LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV061324\
Data File : VV036072.D
Acq On : 13 Jun 2024 20:17
Operator : SY/MD
Sample : P2856-02
Misc : 3.33g/10.0mL/MSVOA_V/SOIL/A
ALS Vial : 31 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0SE4

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
Title : VOC Analysis

Signal : TIC: VV036072.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.272	65	72	88	rVB	316978	348288	0.61%	0.049%
2	1.526	143	151	166	rVB	251539	297407	0.52%	0.042%
3	2.050	304	314	337	rVB	522472	763339	1.33%	0.108%
4	2.439	424	435	456	rBV	101027	179572	0.31%	0.025%
5	3.838	849	870	913	rBV4	50993	258118	0.45%	0.036%
6	4.243	978	996	1030	rBV	320304	847785	1.48%	0.120%
7	4.950	1201	1216	1249	rBV2	779265	1998294	3.49%	0.282%
8	5.407	1344	1358	1380	rBV2	54227	122367	0.21%	0.017%
9	5.529	1385	1396	1441	rVV	637468	1345695	2.35%	0.190%
10	5.985	1525	1538	1548	rBV	452903	959647	1.68%	0.135%
11	6.381	1646	1661	1682	rVB2	82550	179423	0.31%	0.025%
12	6.551	1701	1714	1737	rVB4	98400	227512	0.40%	0.032%
13	6.841	1793	1804	1813	rBV	357798	636521	1.11%	0.090%
14	6.908	1819	1825	1846	rVB	275433	503440	0.88%	0.071%
15	7.005	1846	1855	1872	rVB	229997	428651	0.75%	0.060%
16	7.091	1874	1882	1897	rVB6	52043	124541	0.22%	0.018%
17	7.188	1897	1912	1919	rBV2	906627	1792112	3.13%	0.253%
18	7.236	1920	1927	1955	rVB2	1104344	2225284	3.89%	0.314%
19	7.368	1955	1968	1976	rBV3	159322	314456	0.55%	0.044%
20	7.439	1985	1990	1999	rVB2	114074	178068	0.31%	0.025%
21	7.497	1999	2008	2018	rBV	423022	667633	1.17%	0.094%
22	7.580	2018	2034	2056	rVB2	894576	1871273	3.27%	0.264%
23	7.712	2059	2075	2086	rBV	349877	651851	1.14%	0.092%
24	7.776	2086	2095	2102	rBV2	66577	115418	0.20%	0.016%
25	7.837	2108	2114	2122	rVB	91817	134992	0.24%	0.019%
26	7.908	2123	2136	2148	rVB3	294192	586262	1.02%	0.083%
27	8.011	2149	2168	2190	rBV2	1113083	2473326	4.32%	0.349%
28	8.156	2198	2213	2223	rBV6	1001547	2716951	4.75%	0.383%
29	8.220	2223	2233	2242	rVB	2217829	3509317	6.13%	0.495%
30	8.281	2242	2252	2261	rBV	3964860	6846878	11.96%	0.965%
31	8.439	2290	2301	2310	rBV	653069	1115476	1.95%	0.157%
32	8.522	2310	2327	2342	rBV3	3833691	10653532	18.61%	1.502%
33	8.603	2342	2352	2363	rVB2	4673287	7838266	13.69%	1.105%
34	8.654	2363	2368	2376	rVB2	140898	197914	0.35%	0.028%
35	8.725	2376	2390	2400	rBV	5398160	8874048	15.50%	1.251%
36	8.780	2400	2407	2417	rVV	1283753	2094725	3.66%	0.295%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV061324\
Data File : VV036072.D
Acq On : 13 Jun 2024 20:17
Operator : SY/MD
Sample : P2856-02
Misc : 3.33g/10.0mL/MSVOA_V/SOIL/A
ALS Vial : 31 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0SE4

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
Title : VOC Analysis

37	8.857	2418	2431	2442	rVV6	848168	2209030	3.86%	0.311%
38	8.924	2442	2452	2467	rVV3	2325280	4839736	8.45%	0.682%
39	9.040	2467	2488	2495	rVV2	4434075	11204107	19.57%	1.580%
40	9.091	2496	2504	2510	rVV	8627050	15127100	26.43%	2.133%
41	9.133	2510	2517	2542	rVB3	6201764	13405745	23.42%	1.890%
42	9.249	2542	2553	2566	rBV2	3065502	5399384	9.43%	0.761%
43	9.410	2575	2603	2621	rBV5	11410834	31141385	54.40%	4.391%
44	9.490	2621	2628	2629	rBV2	1391017	1428036	2.49%	0.201%
45	9.516	2631	2636	2644	rVB2	2800586	3926590	6.86%	0.554%
46	9.651	2658	2678	2688	rBV5	20127777	45476508	79.44%	6.412%
47	9.738	2691	2705	2715	rVV5	24032915	49214156	85.97%	6.939%
48	9.792	2716	2722	2732	rVB	8795984	14041511	24.53%	1.980%
49	9.853	2733	2741	2751	rVB4	2969616	5298806	9.26%	0.747%
50	9.915	2752	2760	2767	rBV2	4761780	7422458	12.97%	1.047%
51	9.960	2767	2774	2782	rVV3	7375966	12621624	22.05%	1.780%
52	10.030	2783	2796	2801	rVV2	12093216	23488344	41.03%	3.312%
53	10.062	2801	2806	2816	rVB2	14757707	20382408	35.61%	2.874%
54	10.178	2820	2842	2854	rBV5	23269223	57243202	100.00%	8.071%
55	10.291	2870	2877	2879	rBV3	1590238	1913612	3.34%	0.270%
56	10.336	2881	2891	2900	rVV7	5152570	12667361	22.13%	1.786%
57	10.394	2901	2909	2918	rVV5	8565703	16422652	28.69%	2.316%
58	10.452	2918	2927	2935	rVV	14783617	23736925	41.47%	3.347%
59	10.513	2938	2946	2954	rVB7	7067397	14619372	25.54%	2.061%
60	10.625	2970	2981	2985	rBV4	2310085	4374028	7.64%	0.617%
61	10.667	2986	2994	3002	rVV5	6243133	10904883	19.05%	1.538%
62	10.776	3019	3028	3034	rBV6	2002212	3477936	6.08%	0.490%
63	10.824	3034	3043	3049	rBV2	20135010	32574871	56.91%	4.593%
64	10.982	3083	3092	3098	rBV4	3228505	7052091	12.32%	0.994%
65	11.095	3119	3127	3135	rBV3	12169893	17975899	31.40%	2.535%
66	11.181	3148	3154	3162	rVV3	5400674	6876326	12.01%	0.970%
67	11.236	3164	3171	3176	rVV3	4103384	5738395	10.02%	0.809%
68	11.275	3176	3183	3190	rVV2	11645746	17016997	29.73%	2.399%
69	11.316	3191	3196	3203	rVB	4565322	5613340	9.81%	0.791%
70	11.403	3216	3223	3233	rVB3	4737421	7503944	13.11%	1.058%
71	11.484	3234	3248	3253	rBV2	4275783	8071035	14.10%	1.138%
72	11.567	3261	3274	3291	rVB7	10436472	37368351	65.28%	5.269%
73	11.683	3303	3310	3314	rBV4	1814645	2634964	4.60%	0.372%
74	11.731	3320	3325	3329	rBV	1844245	2057965	3.60%	0.290%
75	11.850	3353	3362	3366	rBV	4649897	6929564	12.11%	0.977%
76	11.879	3367	3371	3379	rVB	5253435	6540412	11.43%	0.922%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV061324\
Data File : VV036072.D
Acq On : 13 Jun 2024 20:17
Operator : SY/MD
Sample : P2856-02
Misc : 3.33g/10.0mL/MSVOA_V/SOIL/A
ALS Vial : 31 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0SE4

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
Title : VOC Analysis

77	11.953	3380	3394	3416	rVB2	9231587	19080945	33.33%	2.690%
78	12.053	3416	3425	3429	rBV	3010402	4689088	8.19%	0.661%
79	12.194	3456	3469	3476	rBV6	2793956	5318256	9.29%	0.750%
80	12.249	3477	3486	3496	rVB3	2929111	5535983	9.67%	0.781%
81	12.310	3496	3505	3511	rBV4	1948078	3497101	6.11%	0.493%
82	12.349	3511	3517	3526	rVV	3216342	4623371	8.08%	0.652%
83	12.403	3526	3534	3552	rVB	4679569	7075855	12.36%	0.998%
84	12.487	3552	3560	3567	rBV2	1355002	1889884	3.30%	0.266%
85	12.525	3568	3572	3576	rBV2	212471	203681	0.36%	0.029%
86	12.554	3577	3581	3584	rVV	318836	343201	0.60%	0.048%
87	12.580	3585	3589	3595	rVV	496093	572761	1.00%	0.081%
88	12.622	3595	3602	3609	rVV3	695910	1185277	2.07%	0.167%
89	12.660	3609	3614	3629	rVB3	1072845	1724044	3.01%	0.243%
90	12.731	3629	3636	3644	rBV2	553622	732216	1.28%	0.103%
91	12.815	3644	3662	3678	rBV2	4411196	8411159	14.69%	1.186%
92	12.937	3693	3700	3706	rBV	365340	489991	0.86%	0.069%
93	12.979	3706	3713	3726	rVB2	498401	868459	1.52%	0.122%
94	13.101	3743	3751	3759	rBV	223302	350988	0.61%	0.049%
95	13.149	3760	3766	3774	rVB	227993	330098	0.58%	0.047%
96	13.204	3774	3783	3790	rBV3	580160	909564	1.59%	0.128%
97	13.303	3809	3814	3821	rVB	217685	271265	0.47%	0.038%
98	13.435	3841	3855	3864	rBV2	412270	743318	1.30%	0.105%
99	13.480	3865	3869	3882	rVB2	103064	160198	0.28%	0.023%
100	13.683	3916	3932	3949	rVB7	61017	218350	0.38%	0.031%

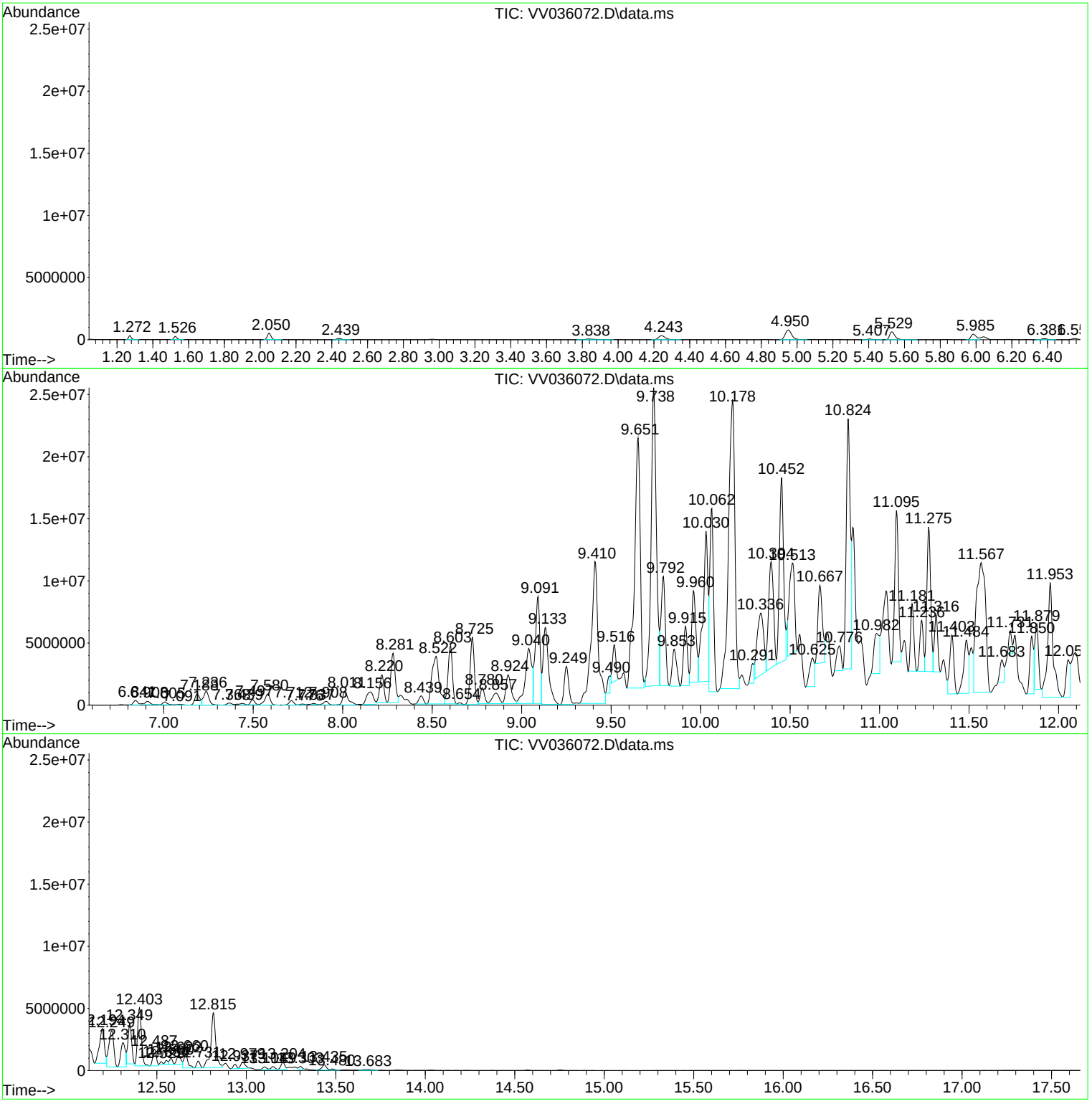
Sum of corrected areas: 709244488

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV061324\
Data File : VV036072.D
Acq On : 13 Jun 2024 20:17
Operator : SY/MD
Sample : P2856-02
Misc : 3.33g/10.0mL/MSVOA_V/SOIL/A
ALS Vial : 31 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0SE4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
Quant Title : VOC Analysis

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV061324\
Data File : VV036072.D
Acq On : 13 Jun 2024 20:17
Operator : SY/MD
Sample : P2856-02
Misc : 3.33g/10.0mL/MSVOA_V/SOIL/A
ALS Vial : 31 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0SE4

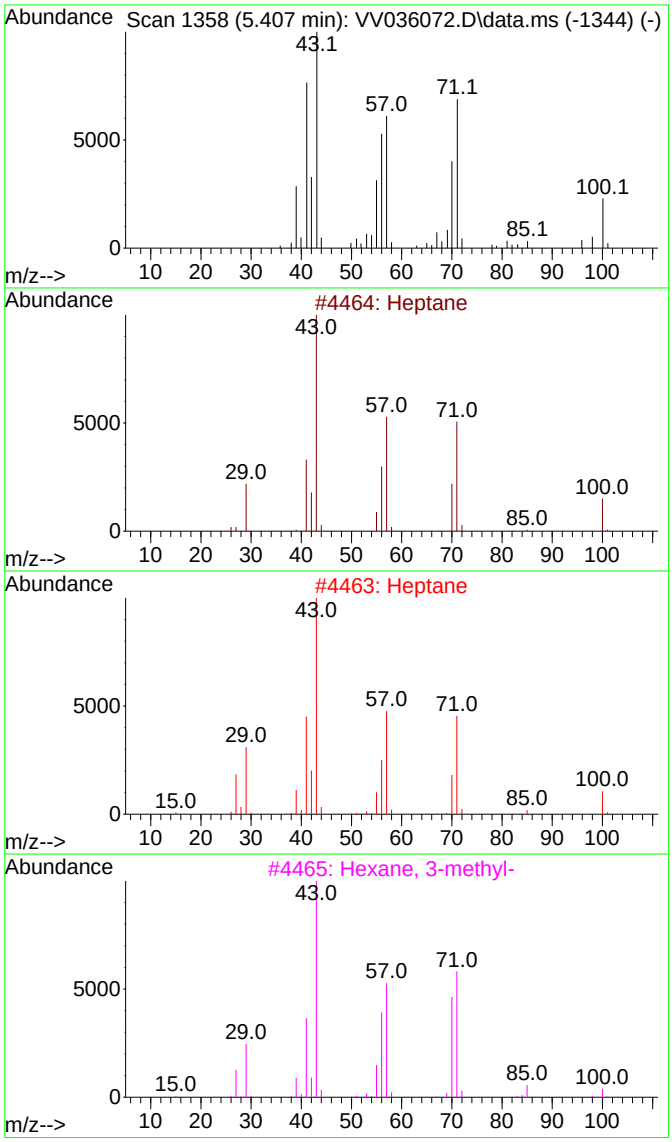
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
Quant Title : VOC Analysis

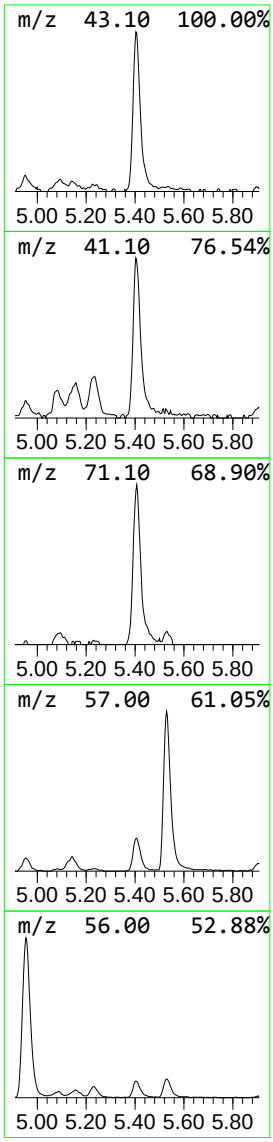
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 67

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.407	2.27 ug/L	122367	1,4-Difluorobenzene	5.529

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane	100	C7H16	000142-82-5	72
2	Heptane	100	C7H16	000142-82-5	72
3	Hexane, 3-methyl-	100	C7H16	000589-34-4	59
4	Hexane, 3-methyl-	100	C7H16	000589-34-4	59
5	Aziridine, 2,2-dimethyl-	71	C4H9N	002658-24-4	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV061324\
Data File : VV036072.D
Acq On : 13 Jun 2024 20:17
Operator : SY/MD
Sample : P2856-02
Misc : 3.33g/10.0mL/MSVOA_V/SOIL/A
ALS Vial : 31 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0SE4

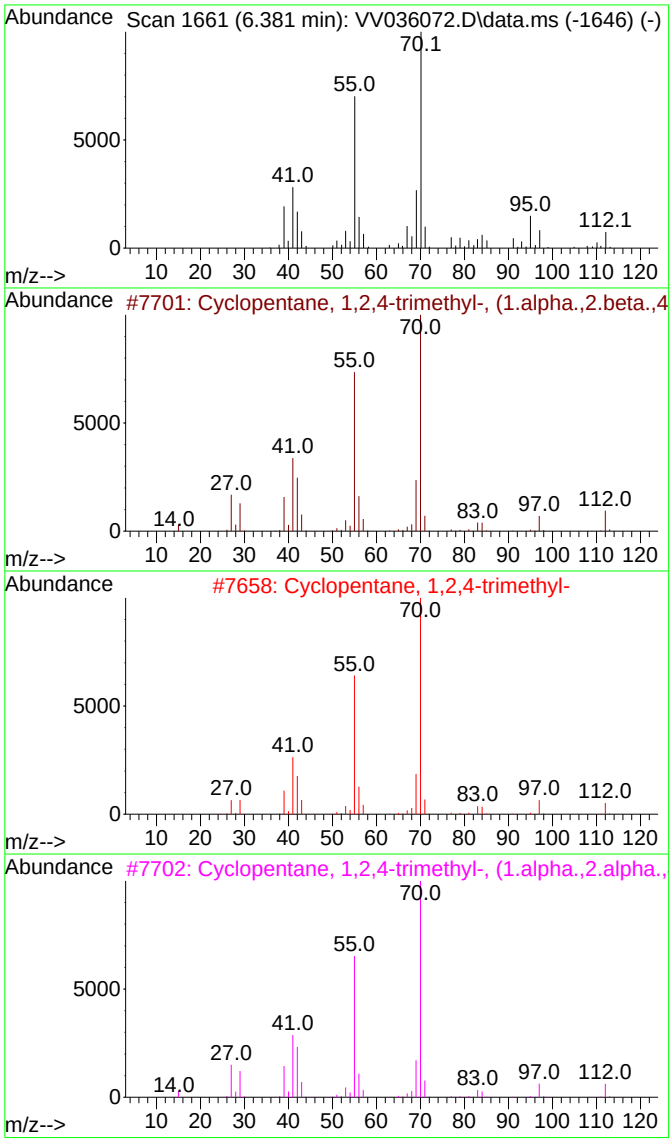
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
Quant Title : VOC Analysis

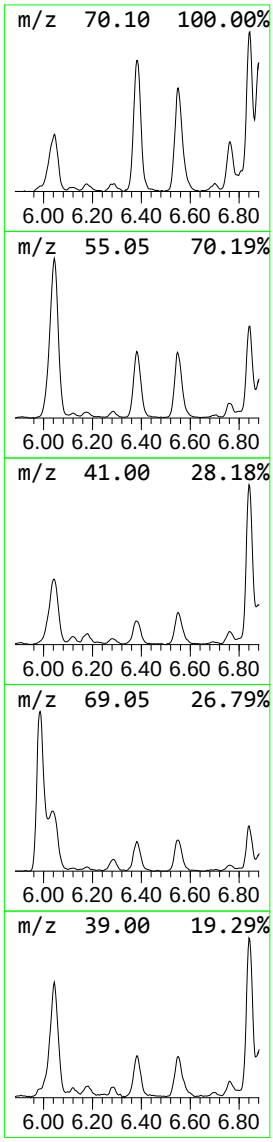
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 (DEL) Alkane: Cyclic6.381 Concentration Rank 60

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.381	3.33 ug/L	179423	1,4-Difluorobenzene	5.529

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	016883-48-0	87
2	Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	87
3	Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	004850-28-6	72
4	2-Heptene, 3-methyl-	112	C8H16	003404-75-9	72
5	Heptane, 3-methylene-	112	C8H16	001632-16-2	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV061324\
Data File : VV036072.D
Acq On : 13 Jun 2024 20:17
Operator : SY/MD
Sample : P2856-02
Misc : 3.33g/10.0mL/MSVOA_V/SOIL/A
ALS Vial : 31 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0SE4

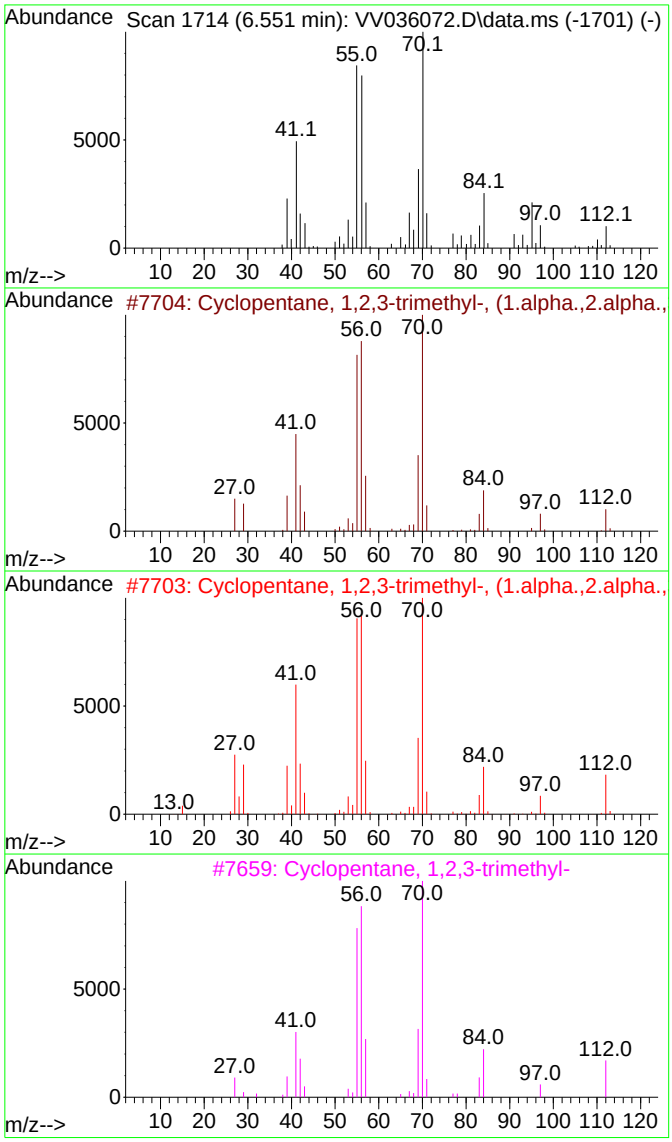
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
Quant Title : VOC Analysis

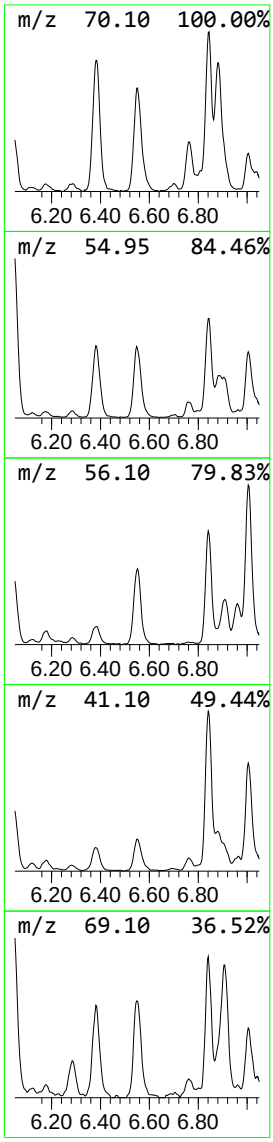
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 (DEL) Alkane: Cyclic6.551 Concentration Rank 58

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.551	4.23 ug/L	227512	1,4-Difluorobenzene	5.529

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	015890-40-1	93
2	Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	015890-40-1	90
3	Cyclopentane, 1,2,3-trimethyl-	112	C8H16	002815-57-8	87
4	1-Heptene, 3-methyl-	112	C8H16	004810-09-7	68
5	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	58





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV061324\
Data File : VV036072.D
Acq On : 13 Jun 2024 20:17
Operator : SY/MD
Sample : P2856-02
Misc : 3.33g/10.0mL/MSVOA_V/SOIL/A
ALS Vial : 31 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0SE4

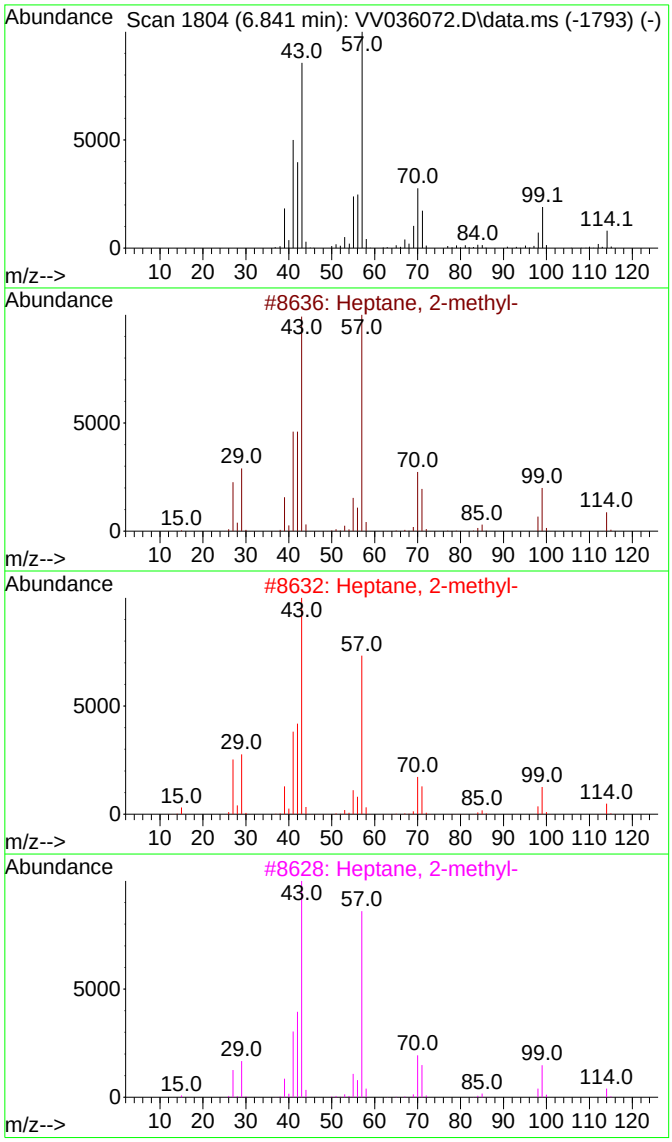
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
Quant Title : VOC Analysis

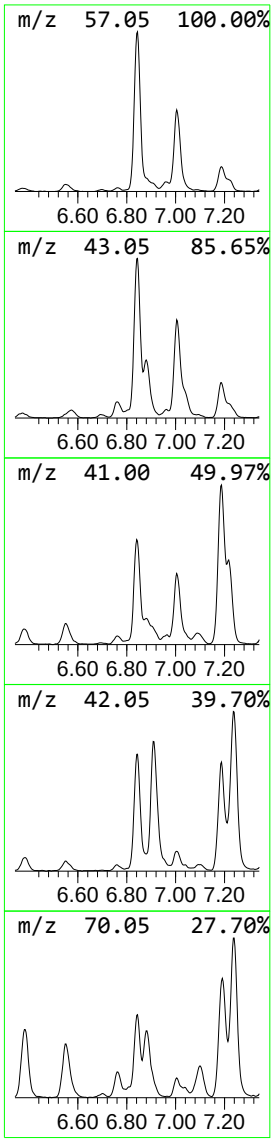
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.841	11.83 ug/L	636521	1,4-Difluorobenzene	5.529

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2-methyl-	114	C8H18	000592-27-8	93
2	Heptane, 2-methyl-	114	C8H18	000592-27-8	80
3	Heptane, 2-methyl-	114	C8H18	000592-27-8	62
4	Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	59
5	Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV061324\
Data File : VV036072.D
Acq On : 13 Jun 2024 20:17
Operator : SY/MD
Sample : P2856-02
Misc : 3.33g/10.0mL/MSVOA_V/SOIL/A
ALS Vial : 31 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0SE4

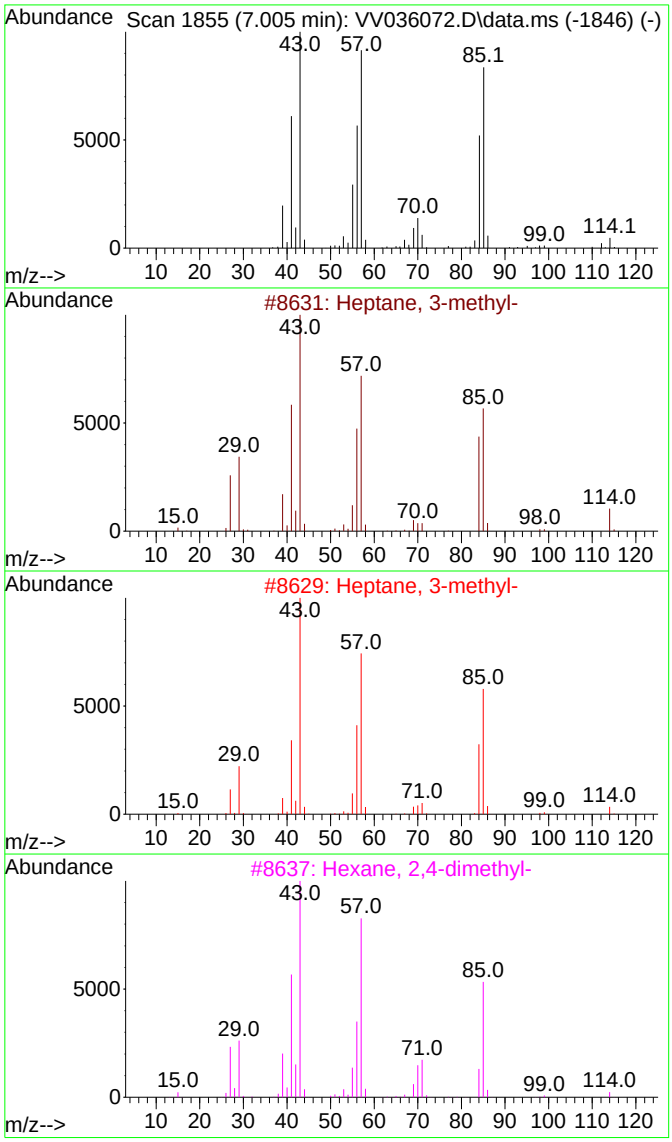
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
Quant Title : VOC Analysis

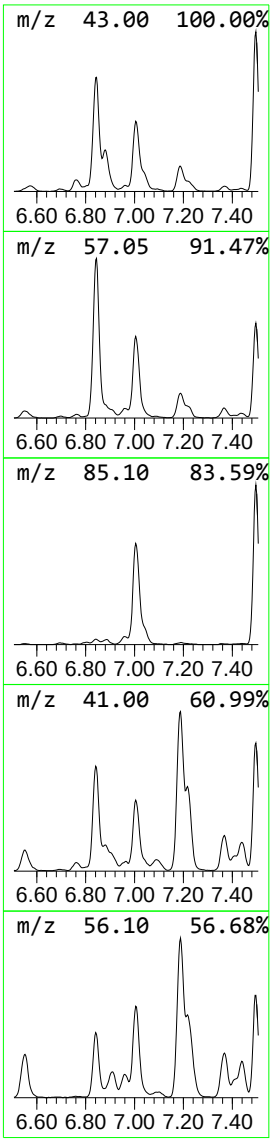
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.005	7.96 ug/L	428651	1,4-Difluorobenzene	5.529

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3-methyl-	114	C8H18	000589-81-1	91
2	Heptane, 3-methyl-	114	C8H18	000589-81-1	91
3	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	64
4	Pentane, 3-ethyl-2,4-dimethyl-	128	C9H20	001068-87-7	59
5	Pentane, 2,3,3,4-tetramethyl-	128	C9H20	016747-38-9	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV061324\
Data File : VV036072.D
Acq On : 13 Jun 2024 20:17
Operator : SY/MD
Sample : P2856-02
Misc : 3.33g/10.0mL/MSVOA_V/SOIL/A
ALS Vial : 31 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0SE4

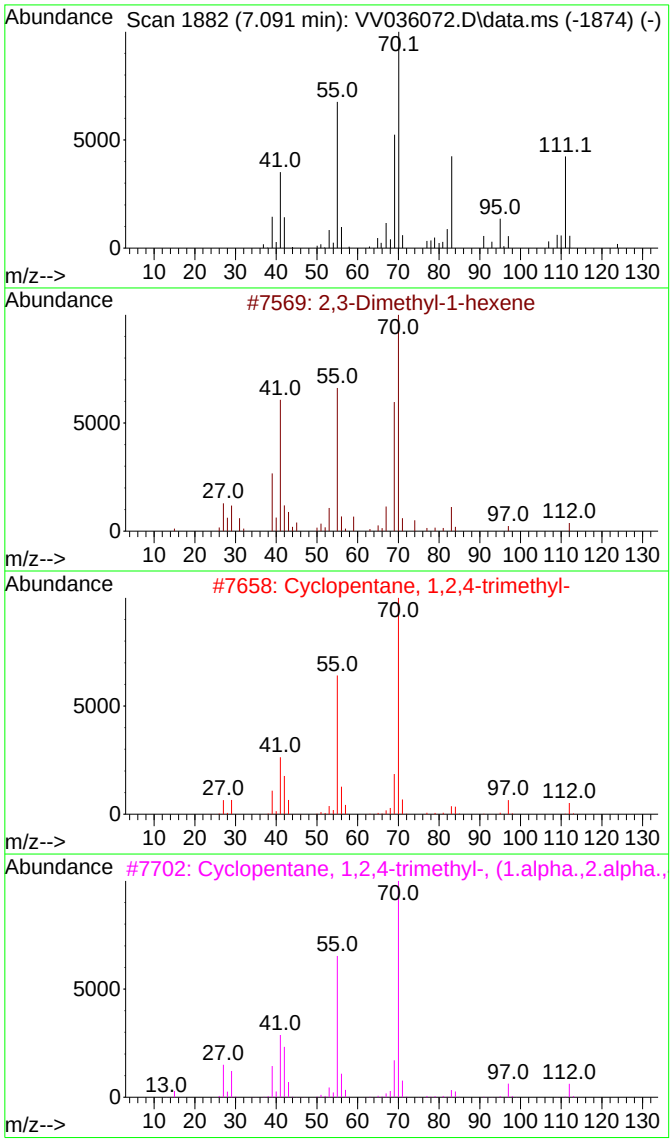
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
Quant Title : VOC Analysis

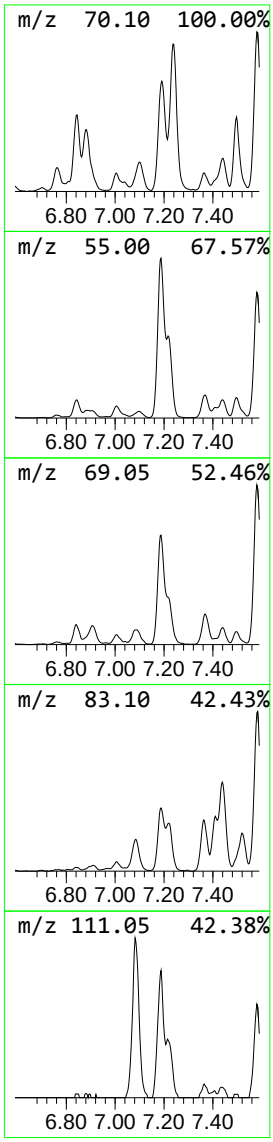
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 66

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.091	2.31 ug/L	124541	1,4-Difluorobenzene	5.529

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,3-Dimethyl-1-hexene	112	C8H16	016746-86-4	49
2	Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	43
3	Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	004850-28-6	38
4	Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	38
5	Heptane, 3-methylene-	112	C8H16	001632-16-2	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV061324\
Data File : VV036072.D
Acq On : 13 Jun 2024 20:17
Operator : SY/MD
Sample : P2856-02
Misc : 3.33g/10.0mL/MSVOA_V/SOIL/A
ALS Vial : 31 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0SE4

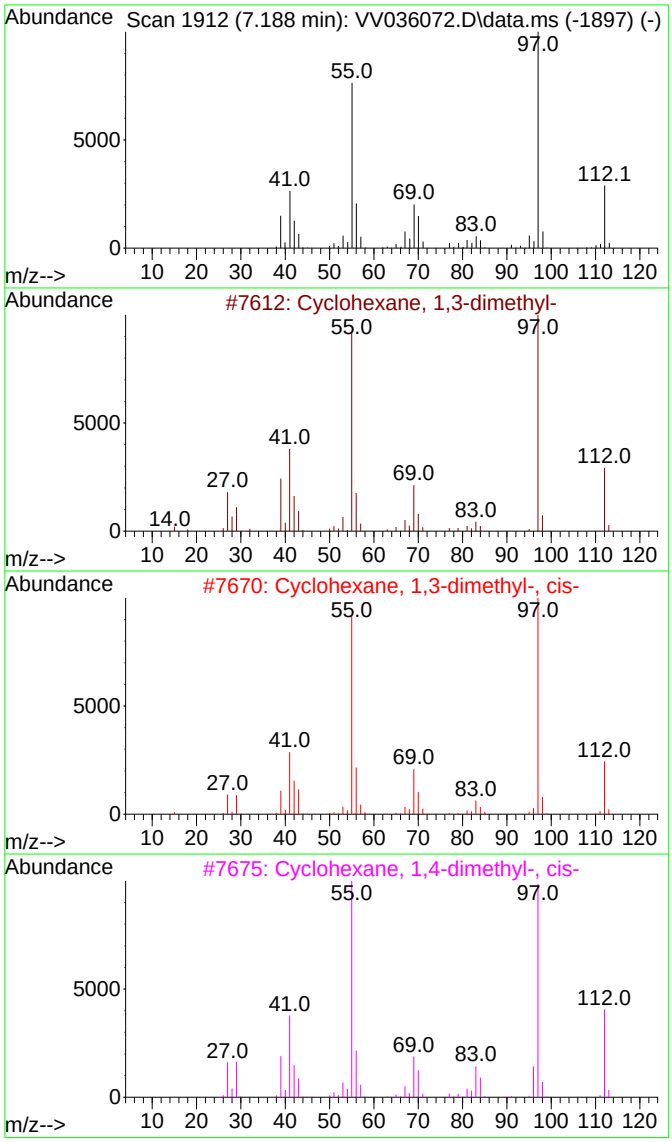
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
Quant Title : VOC Analysis

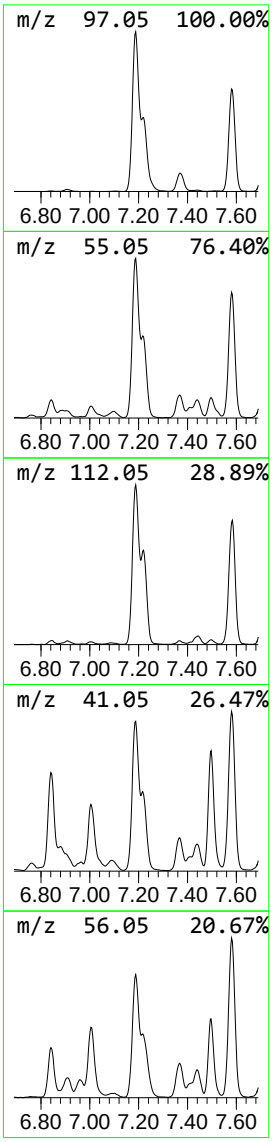
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 (DEL) Alkane: Cyclic7.188 Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.188	21.39 ug/L	1792110	Chlorobenzene-d5	8.783

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,3-dimethyl-	112	C8H16	000591-21-9	94
2	Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	91
3	Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	91
4	Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	91
5	Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV061324\
Data File : VV036072.D
Acq On : 13 Jun 2024 20:17
Operator : SY/MD
Sample : P2856-02
Misc : 3.33g/10.0mL/MSVOA_V/SOIL/A
ALS Vial : 31 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0SE4

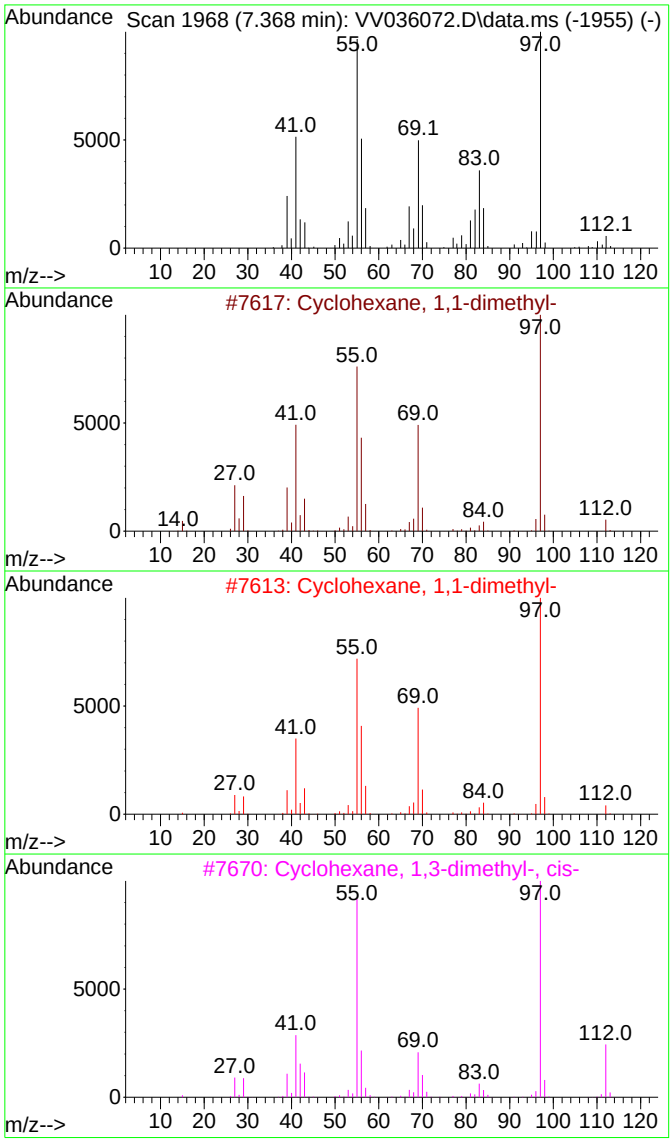
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
Quant Title : VOC Analysis

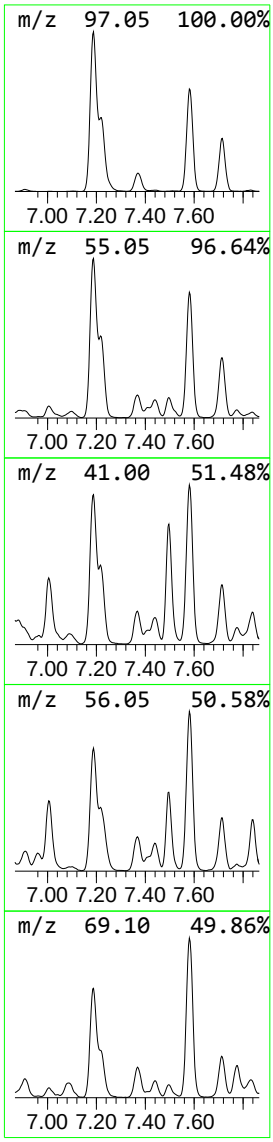
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 (DEL) Alkane: Cyclic7.368 Concentration Rank 59

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.368	3.75 ug/L	314456	Chlorobenzene-d5	8.783

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	76
2	Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	64
3	Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	58
4	Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	58
5	1-Octene, 6-methyl-	126	C9H18	013151-10-5	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV061324\
Data File : VV036072.D
Acq On : 13 Jun 2024 20:17
Operator : SY/MD
Sample : P2856-02
Misc : 3.33g/10.0mL/MSVOA_V/SOIL/A
ALS Vial : 31 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0SE4

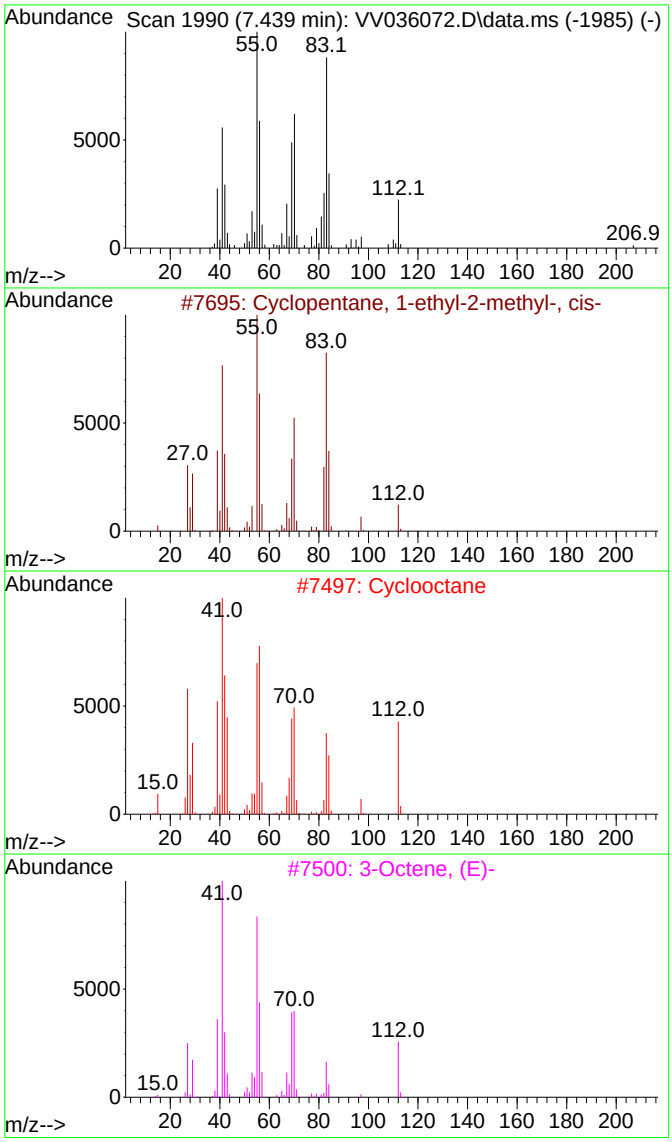
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
Quant Title : VOC Analysis

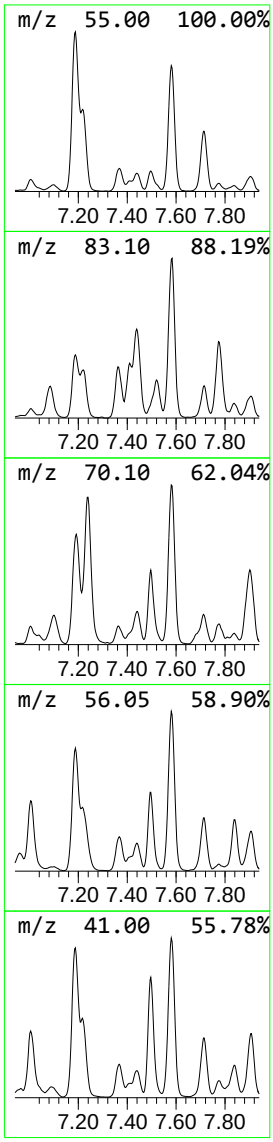
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 (DEL) Alkane: Cyclic7.439 Concentration Rank 68

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.439	2.13 ug/L	178068	Chlorobenzene-d5	8.783

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1-ethyl-2-methyl-,...	112	C8H16	000930-89-2	86
2	Cyclooctane	112	C8H16	000292-64-8	60
3	3-Octene, (E)-	112	C8H16	014919-01-8	52
4	4-Octene, (Z)-	112	C8H16	007642-15-1	49
5	2-Pentene, 3-ethyl-2-methyl-	112	C8H16	019780-67-7	49





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV061324\
Data File : VV036072.D
Acq On : 13 Jun 2024 20:17
Operator : SY/MD
Sample : P2856-02
Misc : 3.33g/10.0mL/MSVOA_V/SOIL/A
ALS Vial : 31 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0SE4

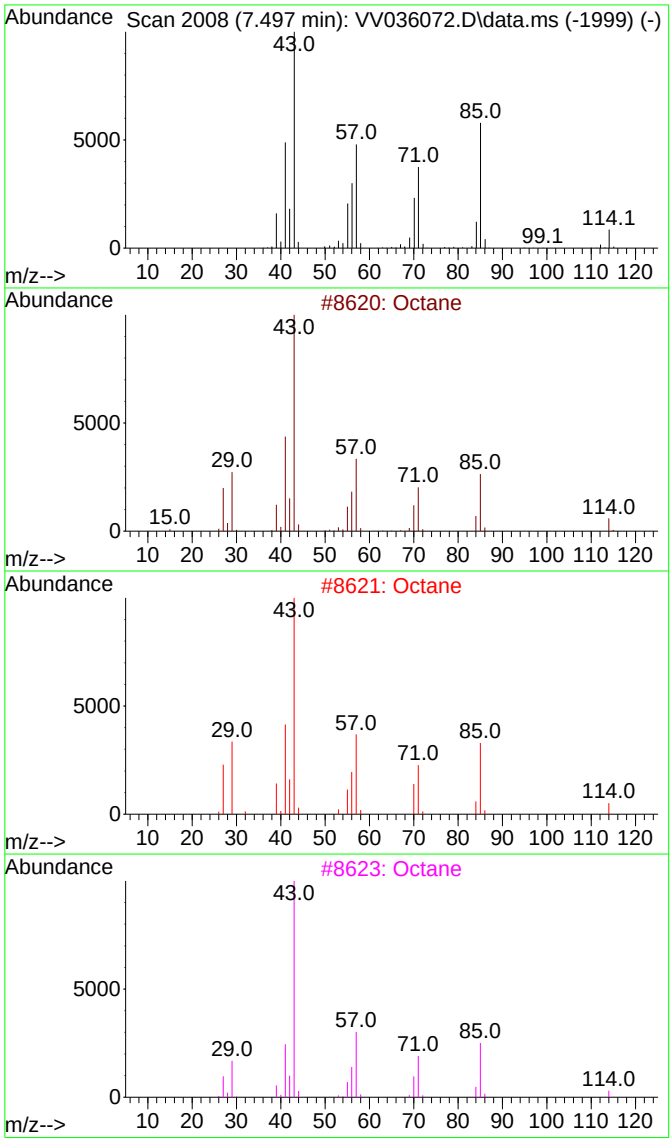
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
Quant Title : VOC Analysis

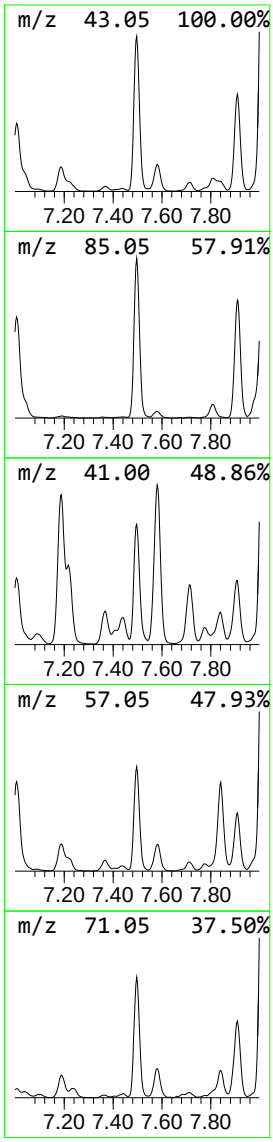
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 (DEL) Alkane: Straight-Chai... Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.497	7.97 ug/L	667633	Chlorobenzene-d5	8.783

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane	114	C8H18	000111-65-9	95
2	Octane	114	C8H18	000111-65-9	91
3	Octane	114	C8H18	000111-65-9	91
4	Octane	114	C8H18	000111-65-9	87
5	Octane	114	C8H18	000111-65-9	78





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV061324\
Data File : VV036072.D
Acq On : 13 Jun 2024 20:17
Operator : SY/MD
Sample : P2856-02
Misc : 3.33g/10.0mL/MSVOA_V/SOIL/A
ALS Vial : 31 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0SE4

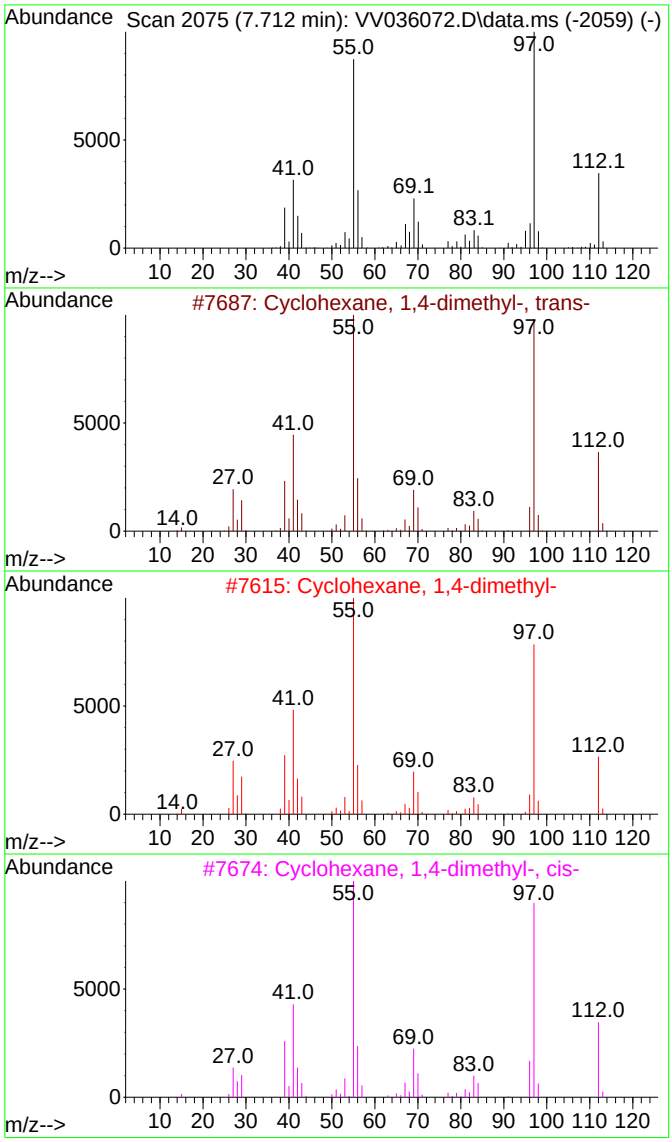
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
Quant Title : VOC Analysis

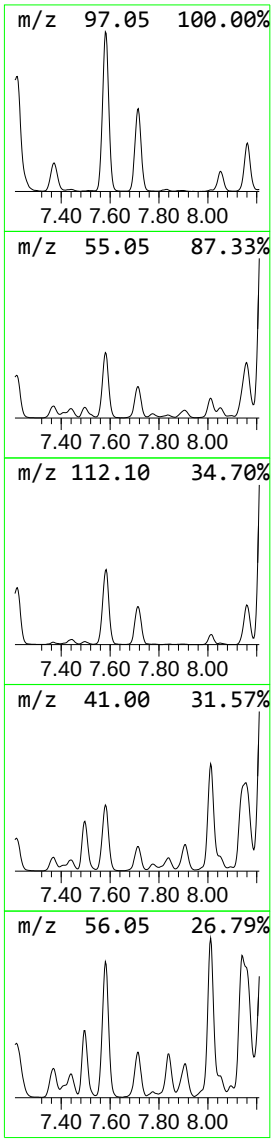
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 (DEL) Alkane: Cyclic7.712 Concentration Rank 51

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.712	7.78 ug/L	651851	Chlorobenzene-d5	8.783

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	97
2	Cyclohexane, 1,4-dimethyl-	112	C8H16	000589-90-2	94
3	Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	93
4	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	91
5	Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	90





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV061324\
Data File : VV036072.D
Acq On : 13 Jun 2024 20:17
Operator : SY/MD
Sample : P2856-02
Misc : 3.33g/10.0mL/MSVOA_V/SOIL/A
ALS Vial : 31 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0SE4

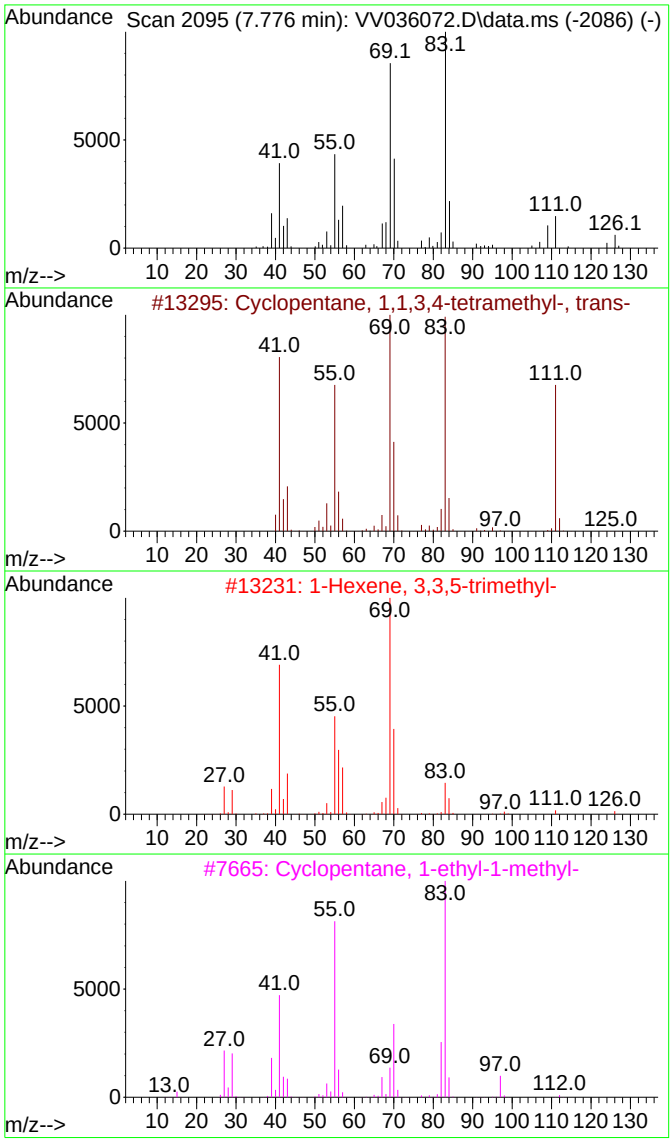
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
Quant Title : VOC Analysis

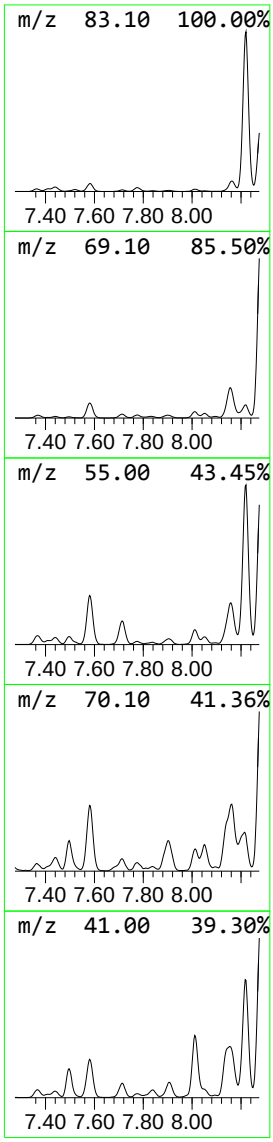
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 (DEL) Alkane: Cyclic7.776 Concentration Rank 72

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.776	1.38 ug/L	115418	Chlorobenzene-d5	8.783

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,1,3,4-tetramethy...	126	C9H18	020309-77-7	64
2	1-Hexene, 3,3,5-trimethyl-	126	C9H18	013427-43-5	53
3	Cyclopentane, 1-ethyl-1-methyl-	112	C8H16	016747-50-5	43
4	Cyclopentane, 1,1,3,4-tetramethy...	126	C9H18	053907-60-1	42
5	Cyclopentane, propyl-	112	C8H16	002040-96-2	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV061324\
Data File : VV036072.D
Acq On : 13 Jun 2024 20:17
Operator : SY/MD
Sample : P2856-02
Misc : 3.33g/10.0mL/MSVOA_V/SOIL/A
ALS Vial : 31 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0SE4

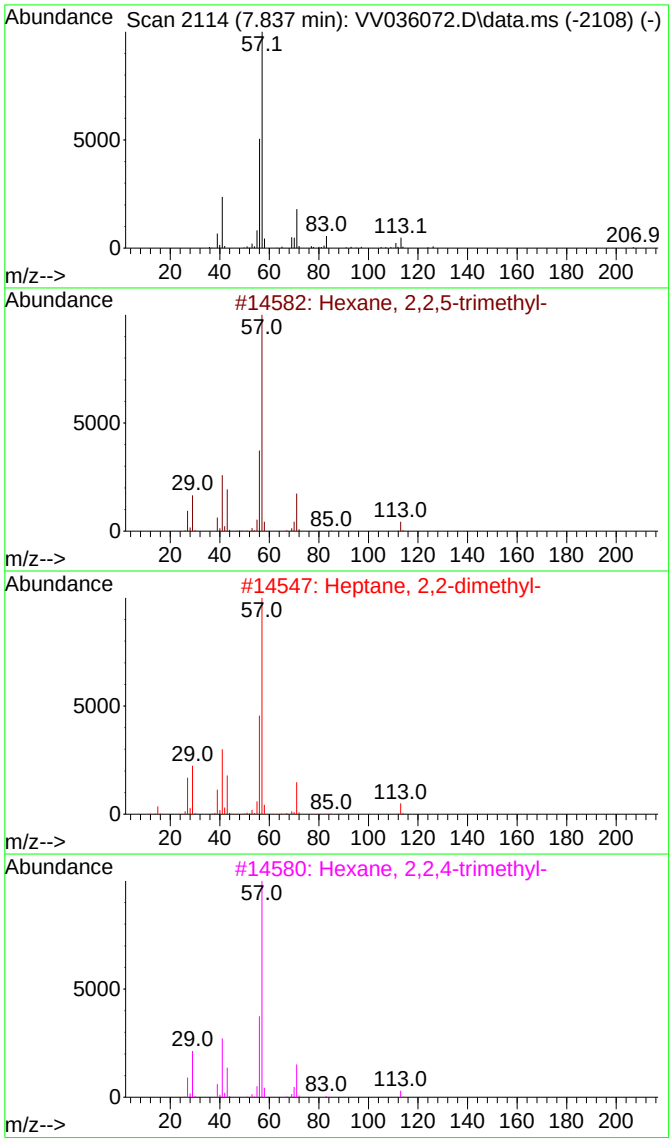
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
Quant Title : VOC Analysis

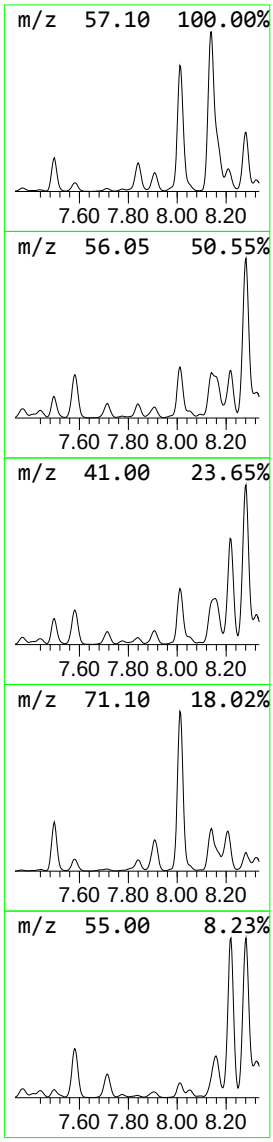
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 (DEL) Alkane: Straight-Chai... Concentration Rank 71

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.837	1.61 ug/L	134992	Chlorobenzene-d5	8.783

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,2,5-trimethyl-	128	C9H20	003522-94-9	78
2	Heptane, 2,2-dimethyl-	128	C9H20	001071-26-7	72
3	Hexane, 2,2,4-trimethyl-	128	C9H20	016747-26-5	72
4	Dodecane, 2,2,11,11-tetramethyl-	226	C16H34	127204-12-0	56
5	Hexane, 2,2,3-trimethyl-	128	C9H20	016747-25-4	56





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV061324\
Data File : VV036072.D
Acq On : 13 Jun 2024 20:17
Operator : SY/MD
Sample : P2856-02
Misc : 3.33g/10.0mL/MSVOA_V/SOIL/A
ALS Vial : 31 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0SE4

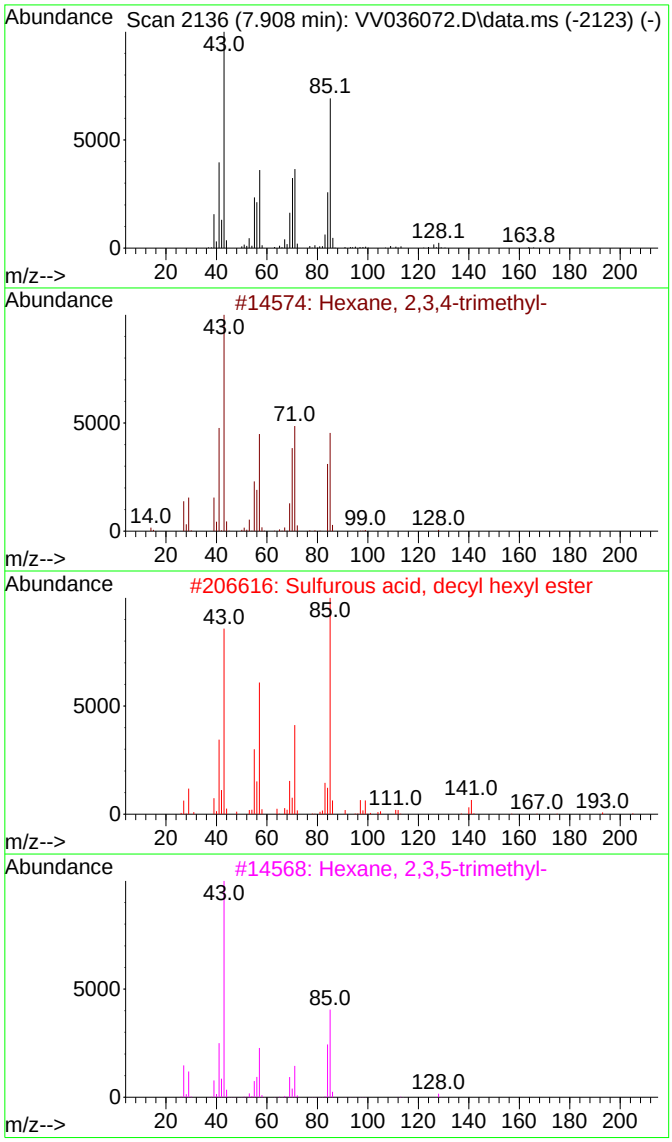
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
Quant Title : VOC Analysis

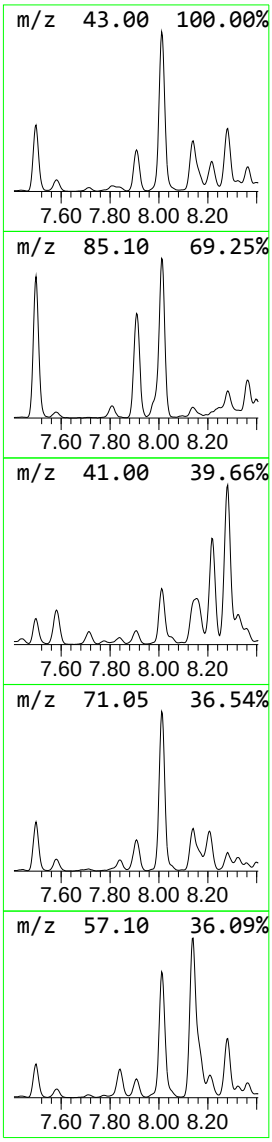
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 (DEL) Alkane: Straight-Chai... Concentration Rank 53

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.908	7.00 ug/L	586262	Chlorobenzene-d5	8.783

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	72
2	Sulfurous acid, decyl hexyl ester	306	C16H34O3S	1000309-13-2	64
3	Hexane, 2,3,5-trimethyl-	128	C9H20	001069-53-0	64
4	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	59
5	Octane, 4-methyl-	128	C9H20	002216-34-4	58





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV061324\
Data File : VV036072.D
Acq On : 13 Jun 2024 20:17
Operator : SY/MD
Sample : P2856-02
Misc : 3.33g/10.0mL/MSVOA_V/SOIL/A
ALS Vial : 31 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0SE4

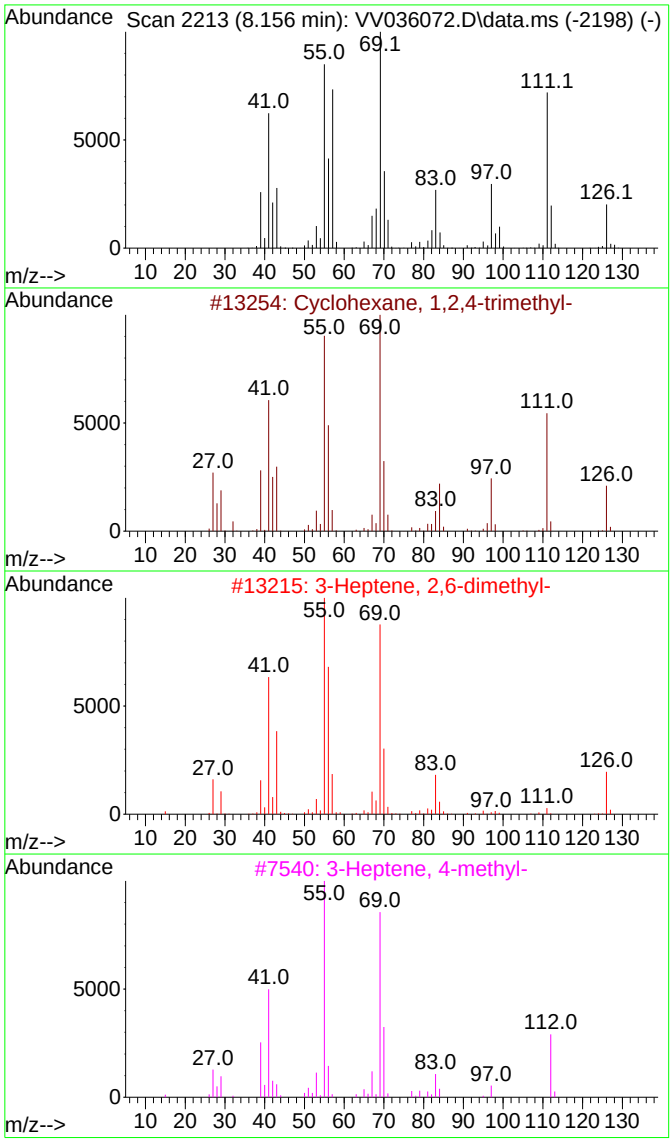
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
Quant Title : VOC Analysis

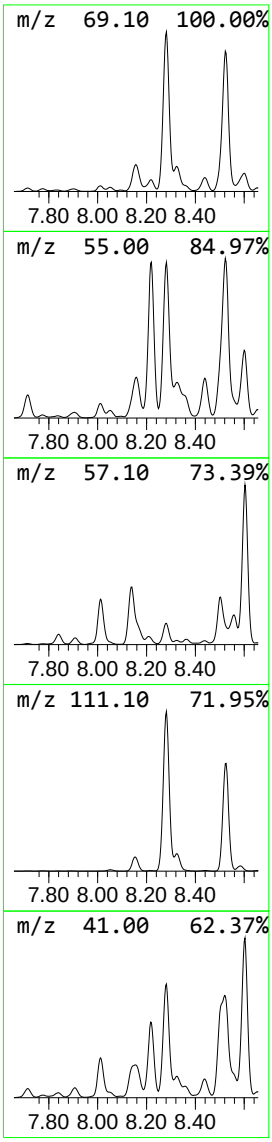
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 (DEL) Alkane: Cyclic8.156 Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.156	32.43 ug/L	2716950	Chlorobenzene-d5	8.783

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	74
2	3-Heptene, 2,6-dimethyl-	126	C9H18	002738-18-3	53
3	3-Heptene, 4-methyl-	112	C8H16	004485-16-9	50
4	Cyclohexane, 1,1,2-trimethyl-	126	C9H18	007094-26-0	49
5	3-Heptene, 2,6-dimethyl-	126	C9H18	002738-18-3	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV061324\
Data File : VV036072.D
Acq On : 13 Jun 2024 20:17
Operator : SY/MD
Sample : P2856-02
Misc : 3.33g/10.0mL/MSVOA_V/SOIL/A
ALS Vial : 31 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0SE4

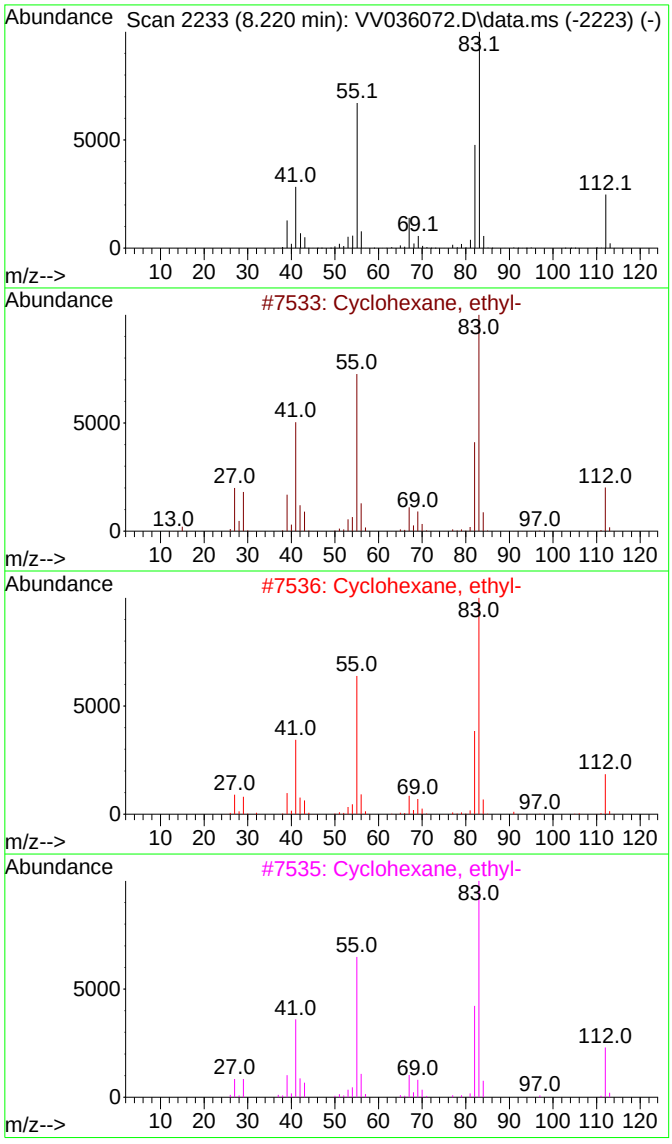
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
Quant Title : VOC Analysis

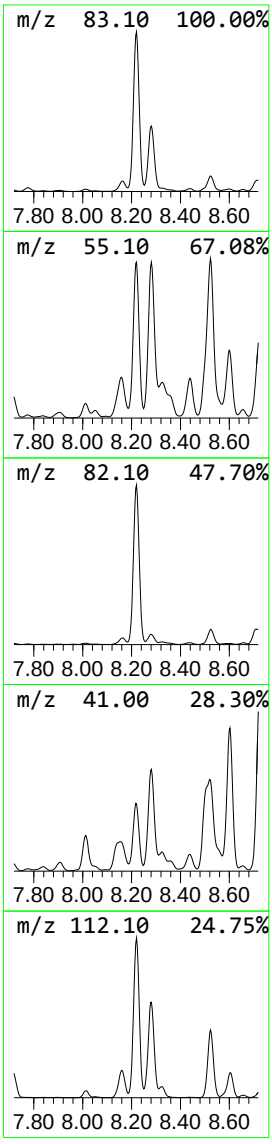
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 (DEL) Alkane: Cyclic8.220 Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.220	41.88 ug/L	3509320	Chlorobenzene-d5	8.783

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, ethyl-	112	C8H16	001678-91-7	86
2	Cyclohexane, ethyl-	112	C8H16	001678-91-7	78
3	Cyclohexane, ethyl-	112	C8H16	001678-91-7	78
4	Cyclohexane, ethyl-	112	C8H16	001678-91-7	78
5	Cyclohexane, ethyl-	112	C8H16	001678-91-7	76





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV061324\
Data File : VV036072.D
Acq On : 13 Jun 2024 20:17
Operator : SY/MD
Sample : P2856-02
Misc : 3.33g/10.0mL/MSVOA_V/SOIL/A
ALS Vial : 31 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0SE4

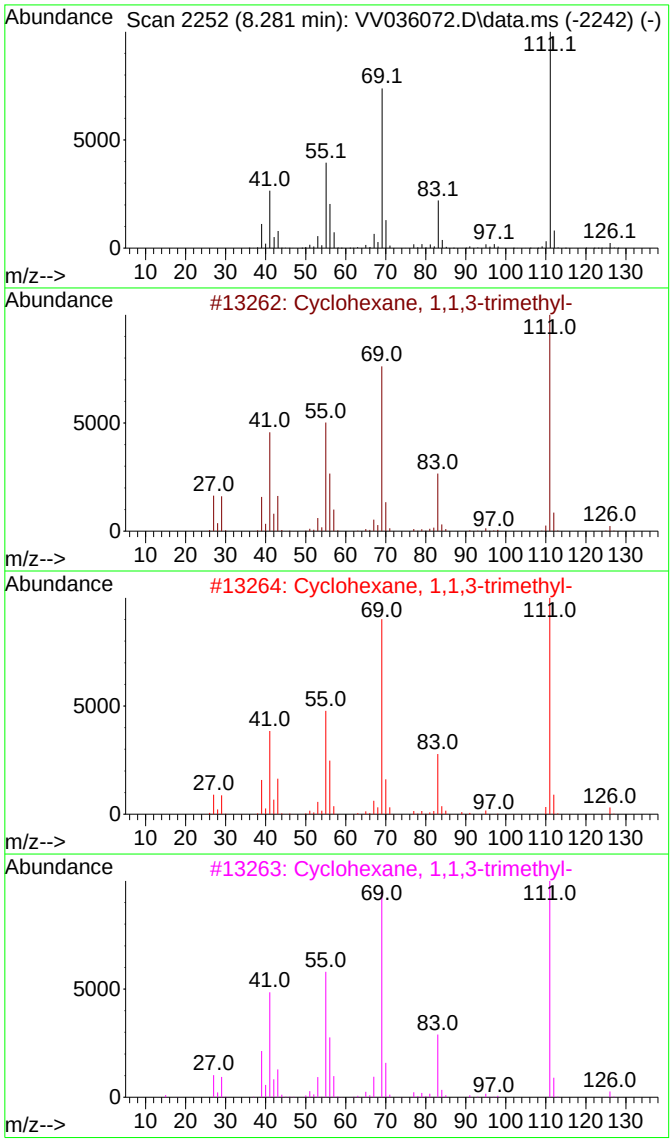
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
Quant Title : VOC Analysis

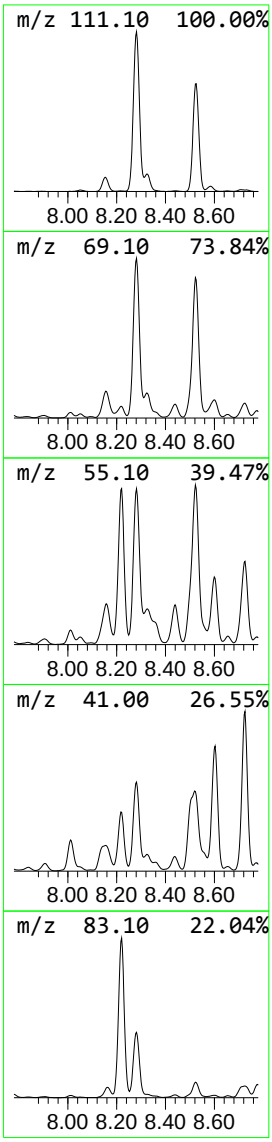
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 18 (DEL) Alkane: Cyclic8.281 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.281	81.72 ug/L	6846880	Chlorobenzene-d5	8.783

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	97
2	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	95
3	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	93
4	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	91
5	Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV061324\
Data File : VV036072.D
Acq On : 13 Jun 2024 20:17
Operator : SY/MD
Sample : P2856-02
Misc : 3.33g/10.0mL/MSVOA_V/SOIL/A
ALS Vial : 31 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0SE4

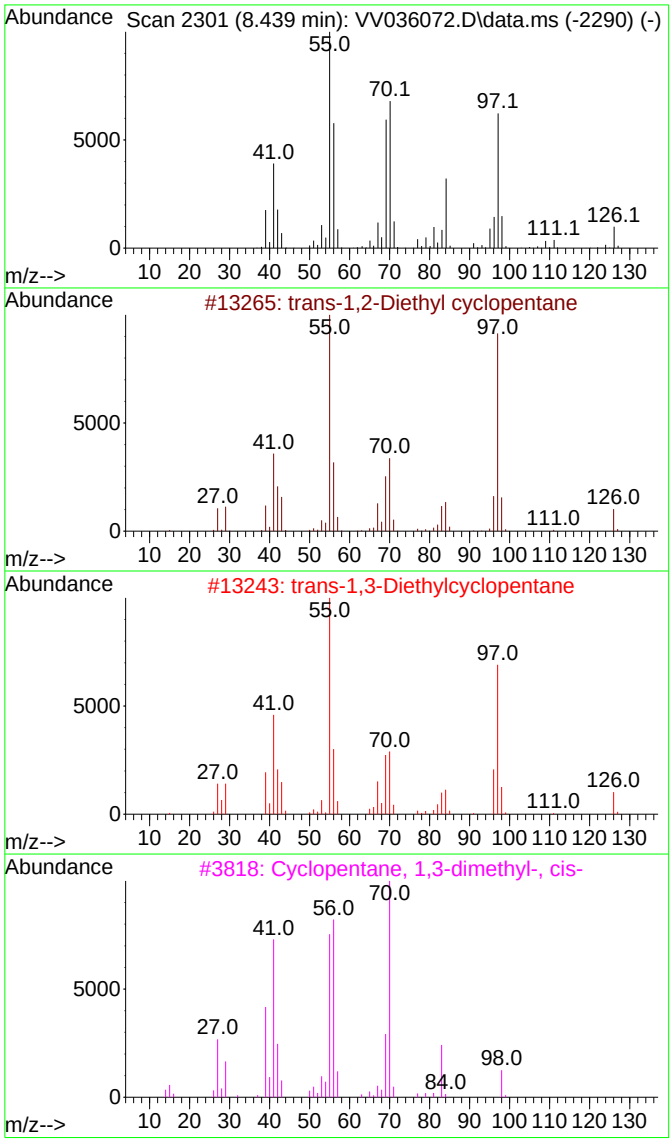
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
Quant Title : VOC Analysis

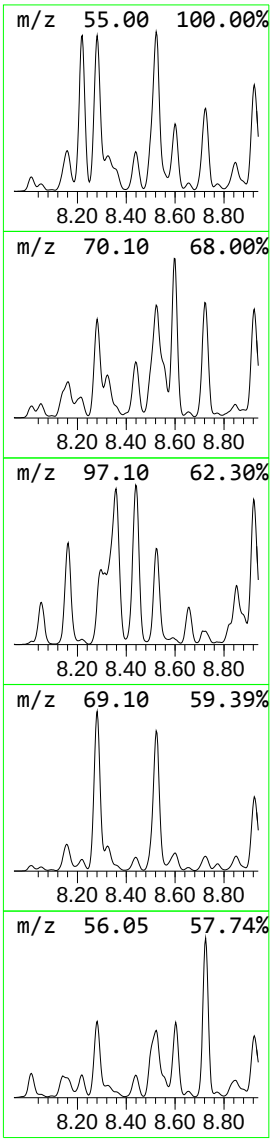
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 19 (DEL) Alkane: Cyclic8.438 Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.439	13.31 ug/L	1115480	Chlorobenzene-d5	8.783

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	trans-1,2-Diethyl cyclopentane	126	C9H18	000932-40-1	43
2	trans-1,3-Diethylcyclopentane	126	C9H18	1000113-87-1	43
3	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	43
4	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	38
5	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV061324\
Data File : VV036072.D
Acq On : 13 Jun 2024 20:17
Operator : SY/MD
Sample : P2856-02
Misc : 3.33g/10.0mL/MSVOA_V/SOIL/A
ALS Vial : 31 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0SE4

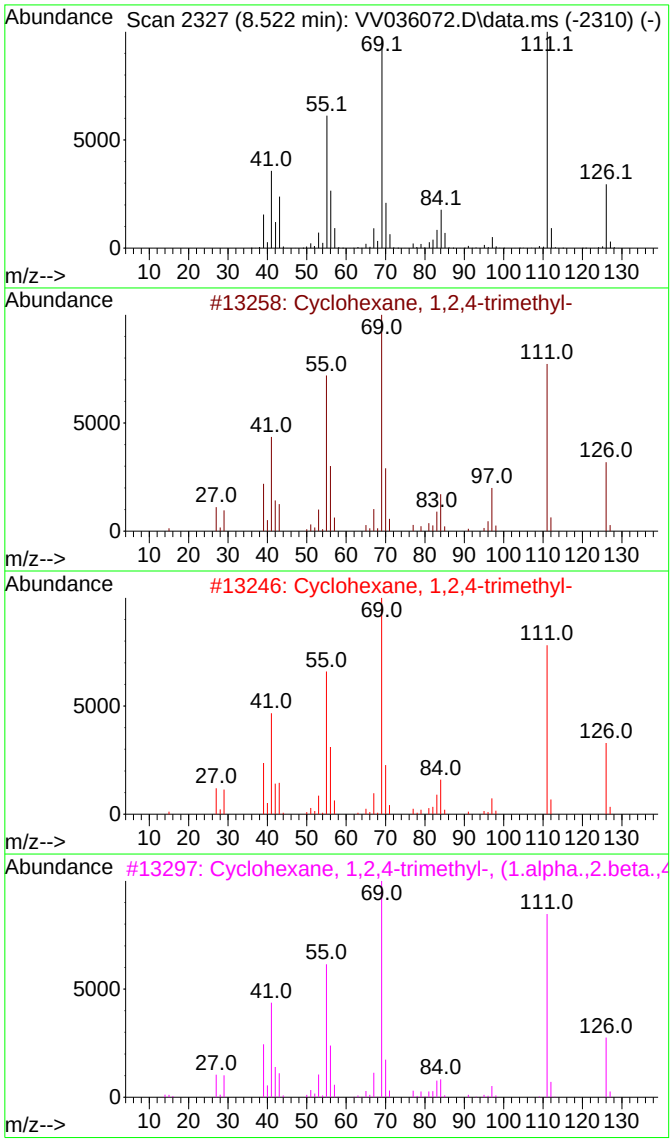
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
Quant Title : VOC Analysis

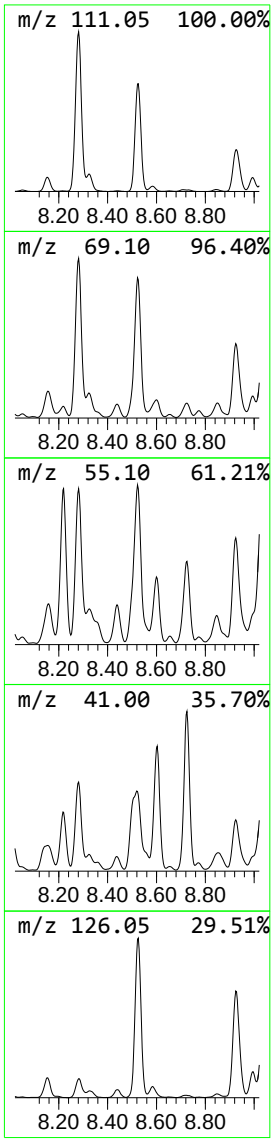
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 20 (DEL) Alkane: Cyclic8.522 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.522	127.15 ug/L	10653500	Chlorobenzene-d5	8.783

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	94
2	Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	94
3	Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	93
4	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	87
5	Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	87





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV061324\
Data File : VV036072.D
Acq On : 13 Jun 2024 20:17
Operator : SY/MD
Sample : P2856-02
Misc : 3.33g/10.0mL/MSVOA_V/SOIL/A
ALS Vial : 31 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0SE4

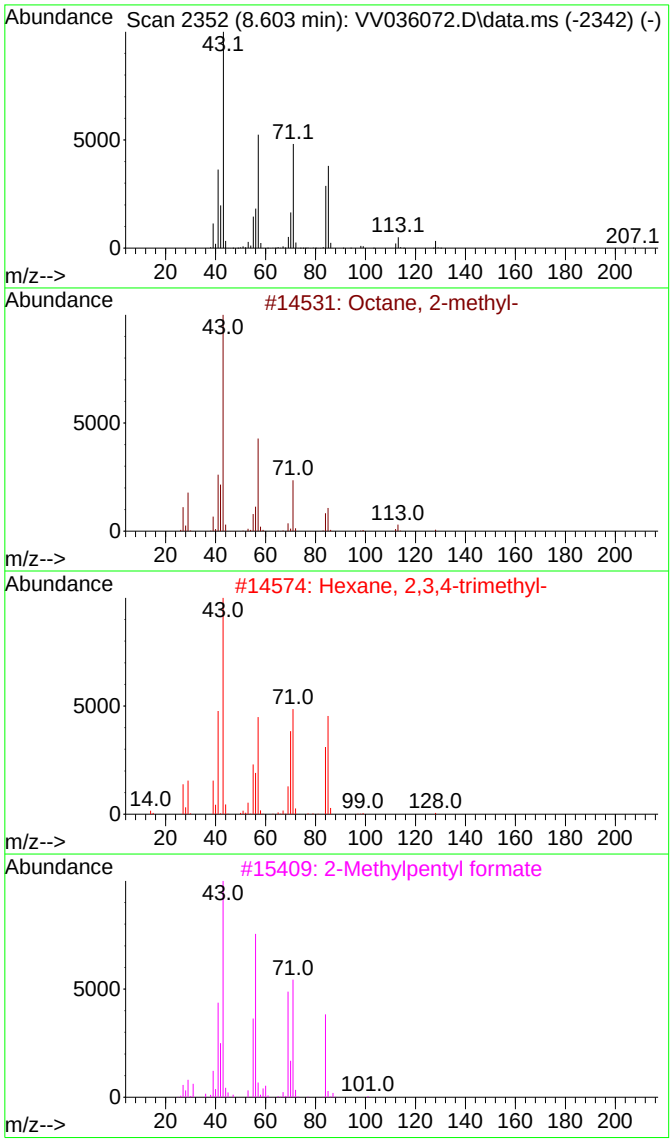
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
Quant Title : VOC Analysis

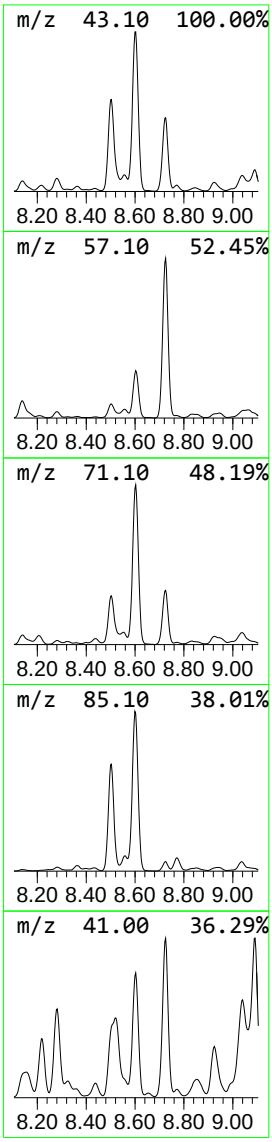
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 21 (DEL) Alkane: Straight-Chai... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.603	93.55 ug/L	7838270	Chlorobenzene-d5	8.783

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2-methyl-	128	C9H20	003221-61-2	72
2	Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	59
3	2-Methylpentyl formate	130	C7H14O2	381670-34-4	59
4	Dodecane, 5-methyl-	184	C13H28	017453-93-9	59
5	Undecane, 4,7-dimethyl-	184	C13H28	017301-32-5	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV061324\
Data File : VV036072.D
Acq On : 13 Jun 2024 20:17
Operator : SY/MD
Sample : P2856-02
Misc : 3.33g/10.0mL/MSVOA_V/SOIL/A
ALS Vial : 31 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0SE4

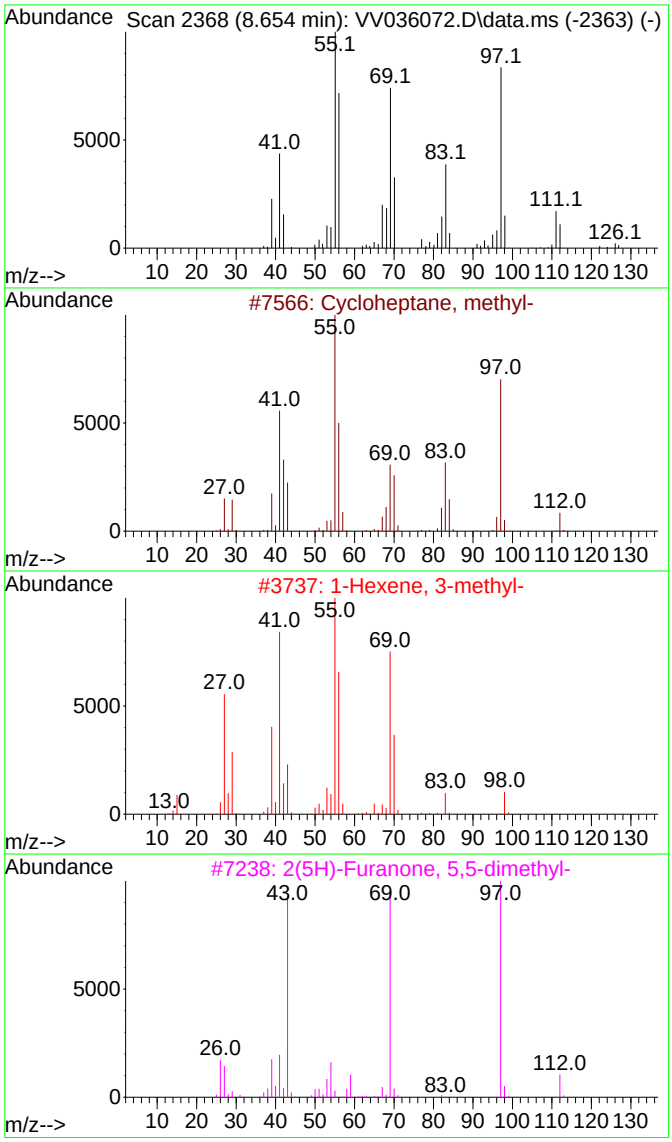
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
Quant Title : VOC Analysis

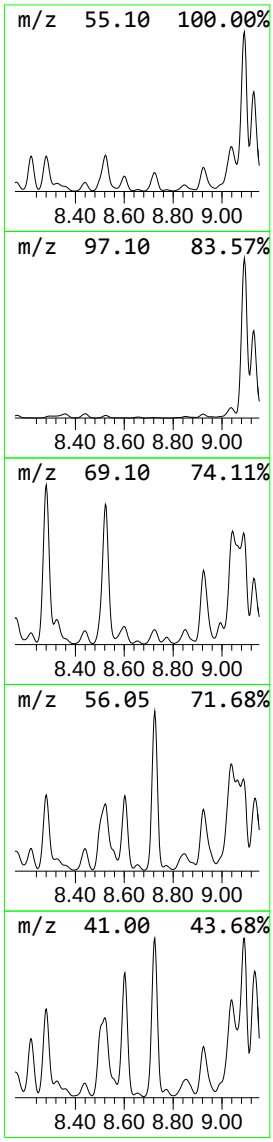
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 22 (DEL) Alkane: Cyclic8.654 Concentration Rank 65

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.654	2.36 ug/L	197914	Chlorobenzene-d5	8.783

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cycloheptane, methyl-	112	C8H16	004126-78-7	53
2	1-Hexene, 3-methyl-	98	C7H14	003404-61-3	46
3	2(5H)-Furanone, 5,5-dimethyl-	112	C6H8O2	020019-64-1	46
4	2(5H)-Furanone, 5,5-dimethyl-	112	C6H8O2	020019-64-1	46
5	Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV061324\
Data File : VV036072.D
Acq On : 13 Jun 2024 20:17
Operator : SY/MD
Sample : P2856-02
Misc : 3.33g/10.0mL/MSVOA_V/SOIL/A
ALS Vial : 31 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0SE4

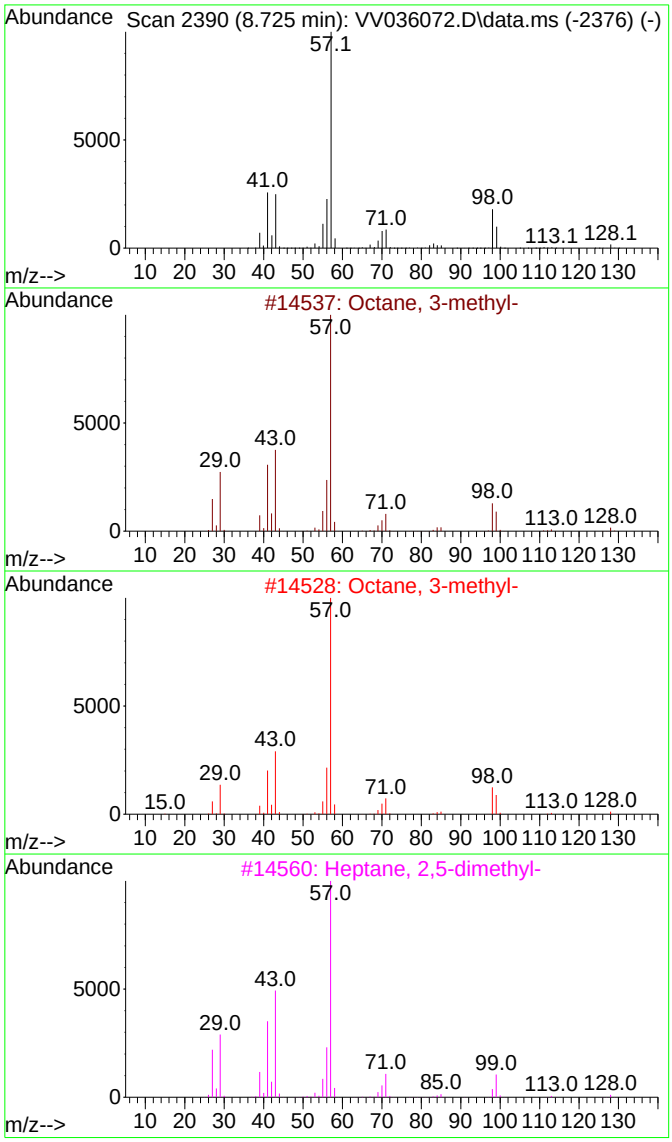
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
Quant Title : VOC Analysis

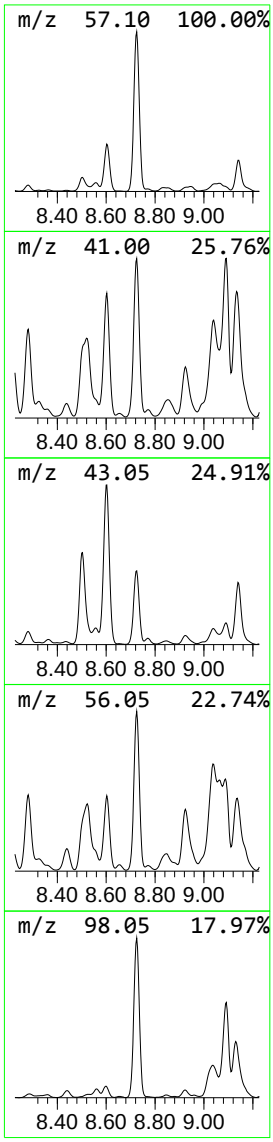
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 23 (DEL) Alkane: Straight-Chai... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.725	105.91 ug/L	8874050	Chlorobenzene-d5	8.783

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 3-methyl-	128	C9H20	002216-33-3	91
2	Octane, 3-methyl-	128	C9H20	002216-33-3	91
3	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	87
4	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	81
5	Octane, 3-methyl-	128	C9H20	002216-33-3	74





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV061324\
Data File : VV036072.D
Acq On : 13 Jun 2024 20:17
Operator : SY/MD
Sample : P2856-02
Misc : 3.33g/10.0mL/MSVOA_V/SOIL/A
ALS Vial : 31 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0SE4

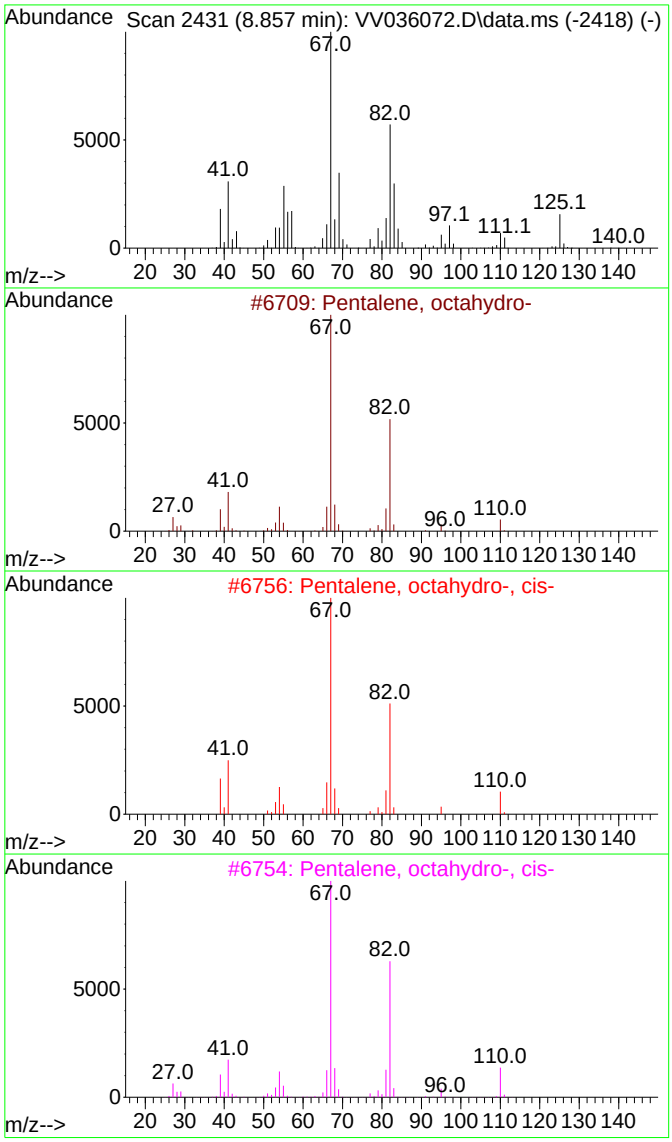
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
Quant Title : VOC Analysis

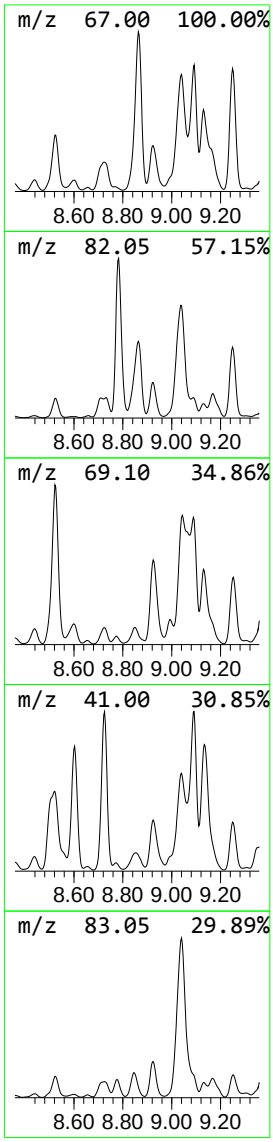
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 24 Pentalene, octahydro- Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.857	26.36 ug/L	2209030	Chlorobenzene-d5	8.783

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentalene, octahydro-	110	C8H14	000694-72-4	58
2	Pentalene, octahydro-, cis-	110	C8H14	001755-05-1	53
3	Pentalene, octahydro-, cis-	110	C8H14	001755-05-1	53
4	Pentalene, octahydro-, cis-	110	C8H14	001755-05-1	53
5	3,4-Nonadiene	124	C9H16	037050-03-6	52





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV061324\
Data File : VV036072.D
Acq On : 13 Jun 2024 20:17
Operator : SY/MD
Sample : P2856-02
Misc : 3.33g/10.0mL/MSVOA_V/SOIL/A
ALS Vial : 31 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0SE4

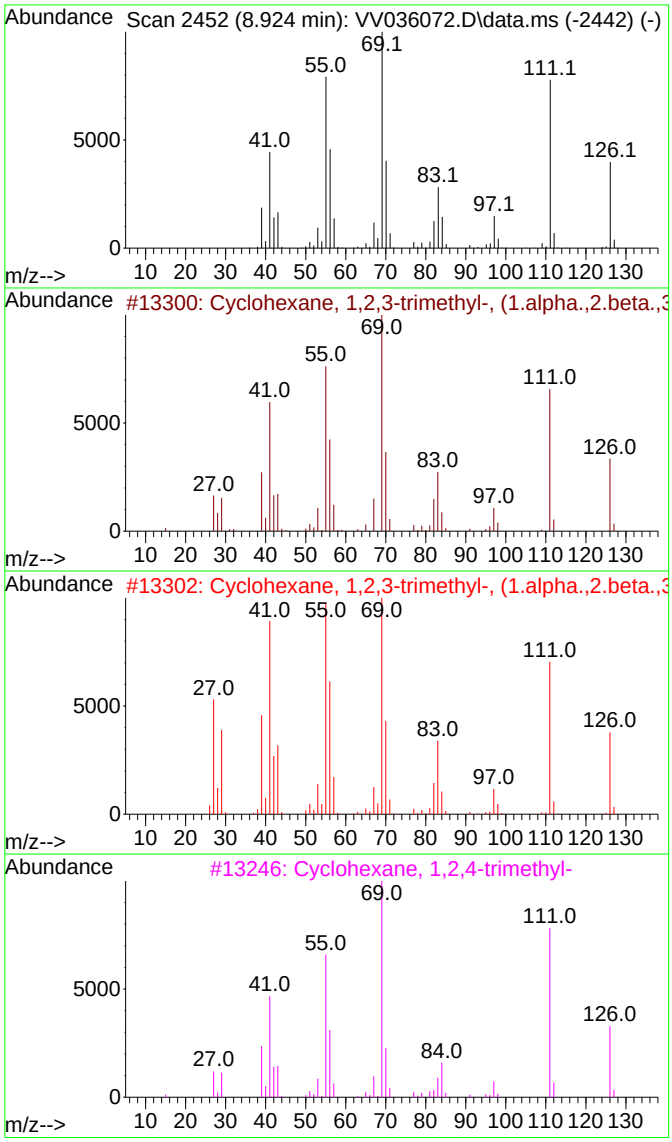
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
Quant Title : VOC Analysis

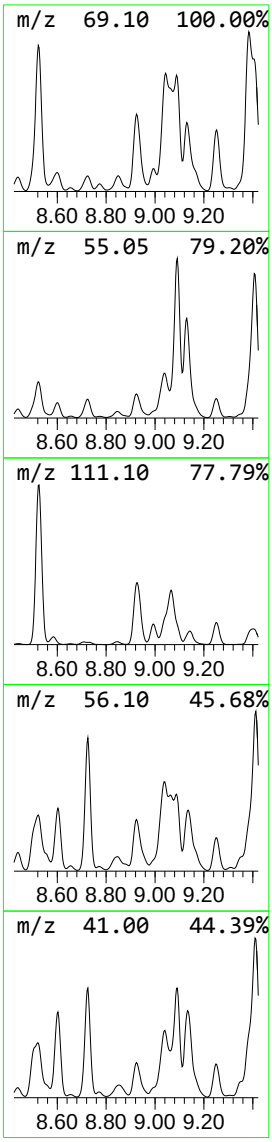
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 25 (DEL) Alkane: Cyclic8.924 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.924	57.76 ug/L	4839740	Chlorobenzene-d5	8.783

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2,3-trimethyl-, (...	126	C9H18	001678-81-5	97
2	Cyclohexane, 1,2,3-trimethyl-, (...	126	C9H18	001678-81-5	96
3	Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	81
4	3-Heptene, 2,6-dimethyl-	126	C9H18	002738-18-3	76
5	Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	74





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV061324\
Data File : VV036072.D
Acq On : 13 Jun 2024 20:17
Operator : SY/MD
Sample : P2856-02
Misc : 3.33g/10.0mL/MSVOA_V/SOIL/A
ALS Vial : 31 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0SE4

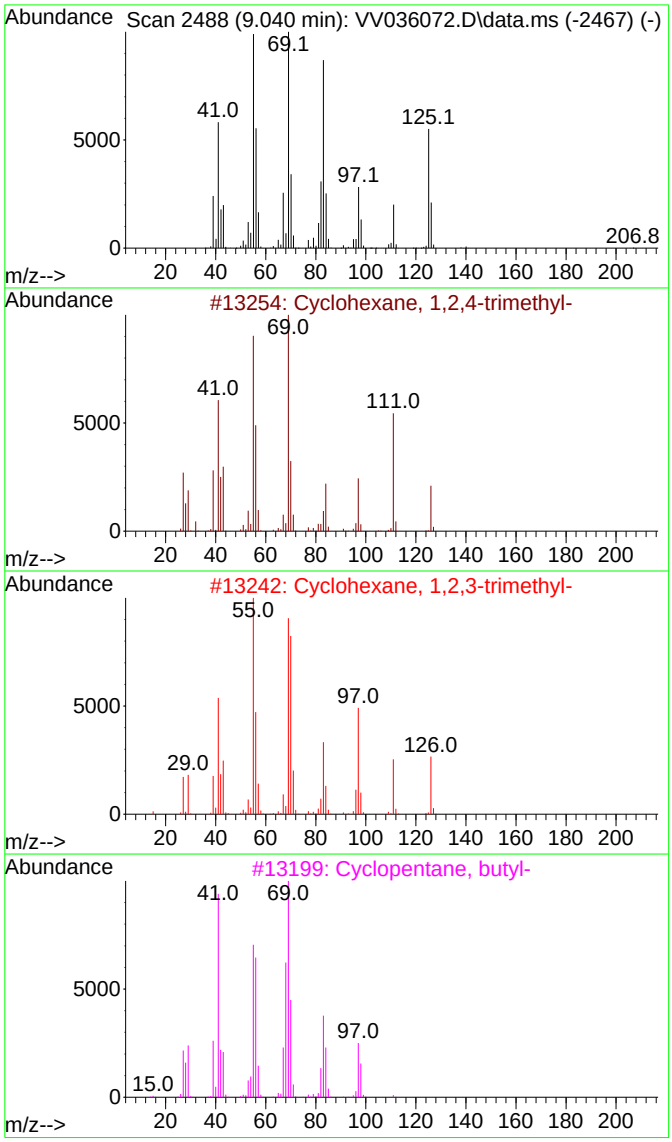
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
Quant Title : VOC Analysis

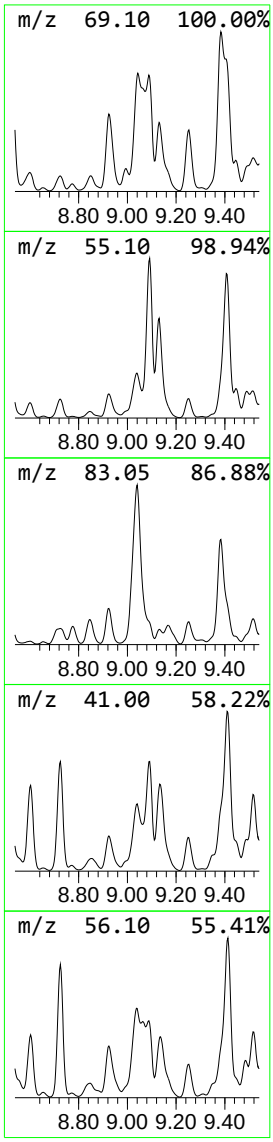
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 26 (DEL) Alkane: Cyclic9.040 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.040	133.72 ug/L	11204100	Chlorobenzene-d5	8.783

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	55
2	Cyclohexane, 1,2,3-trimethyl-	126	C9H18	001678-97-3	46
3	Cyclopentane, butyl-	126	C9H18	002040-95-1	46
4	Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-31-8	46
5	Cyclopentane, 1,1-dimethyl-	98	C7H14	001638-26-2	45





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV061324\
Data File : VV036072.D
Acq On : 13 Jun 2024 20:17
Operator : SY/MD
Sample : P2856-02
Misc : 3.33g/10.0mL/MSVOA_V/SOIL/A
ALS Vial : 31 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0SE4

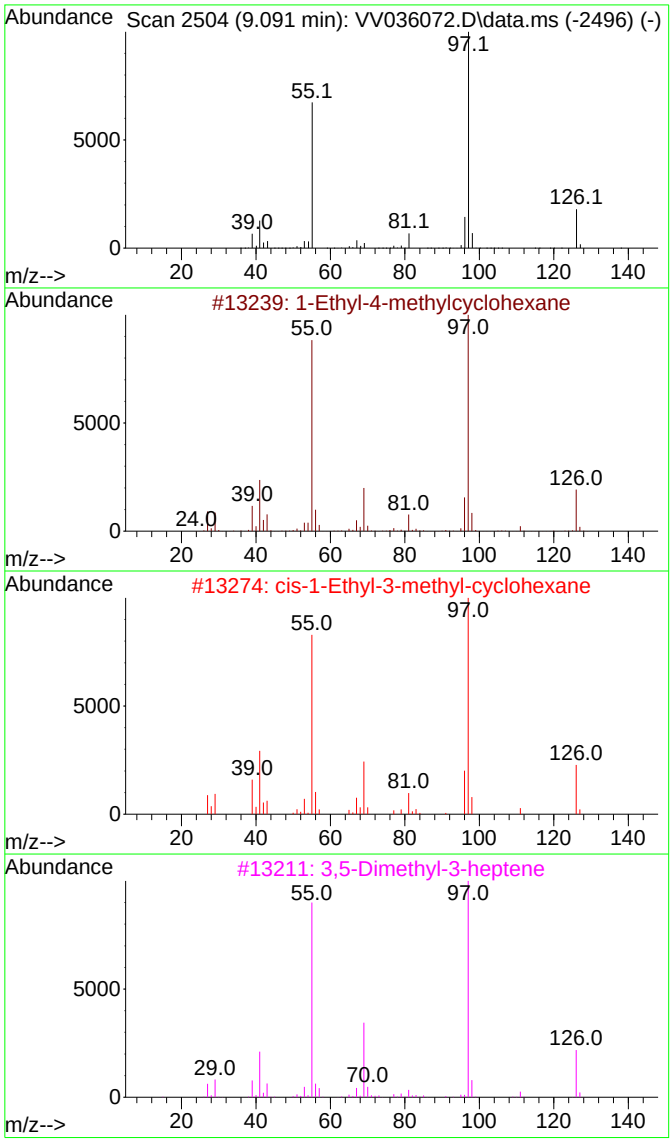
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
Quant Title : VOC Analysis

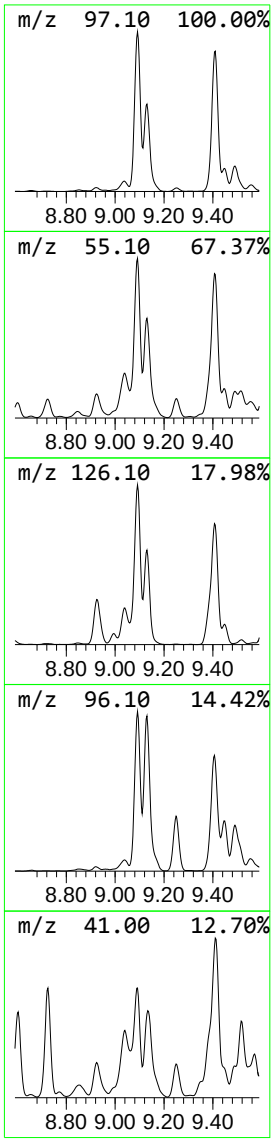
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 27 (DEL) Alkane: Cyclic9.091 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.091	180.54 ug/L	15127100	Chlorobenzene-d5	8.783

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	91
2	cis-1-Ethyl-3-methyl-cyclohexane	126	C9H18	019489-10-2	86
3	3,5-Dimethyl-3-heptene	126	C9H18	059643-68-4	80
4	Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	78
5	1H-Pyrazole, 4,5-dihydro-3-methy...	126	C7H14N2	026964-49-8	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV061324\
Data File : VV036072.D
Acq On : 13 Jun 2024 20:17
Operator : SY/MD
Sample : P2856-02
Misc : 3.33g/10.0mL/MSVOA_V/SOIL/A
ALS Vial : 31 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0SE4

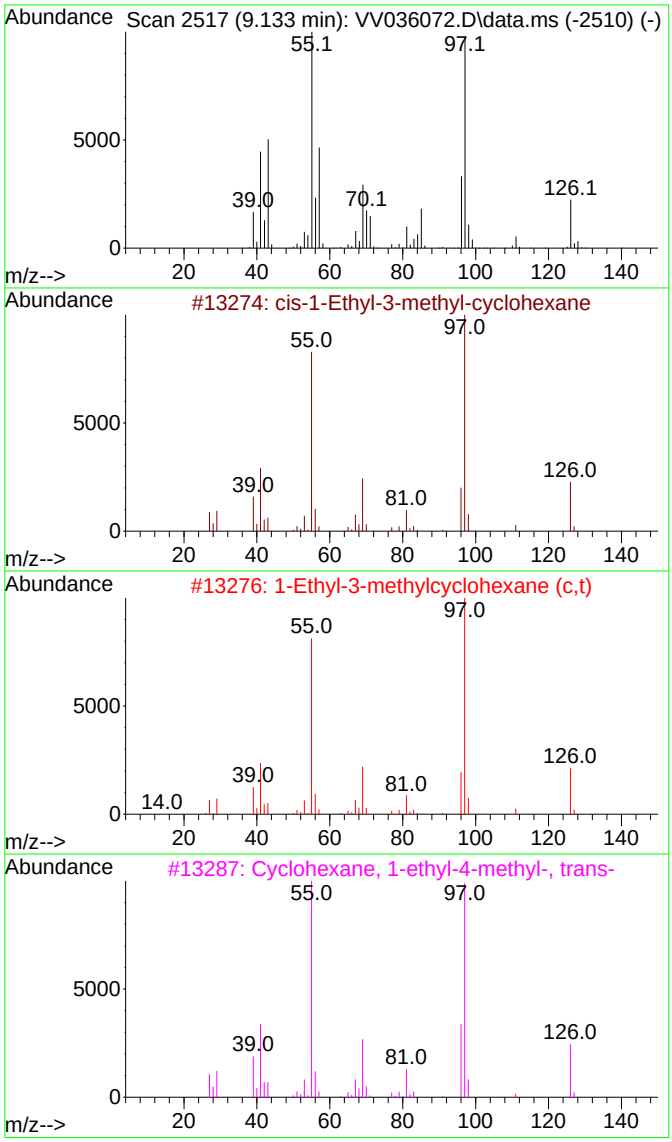
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
Quant Title : VOC Analysis

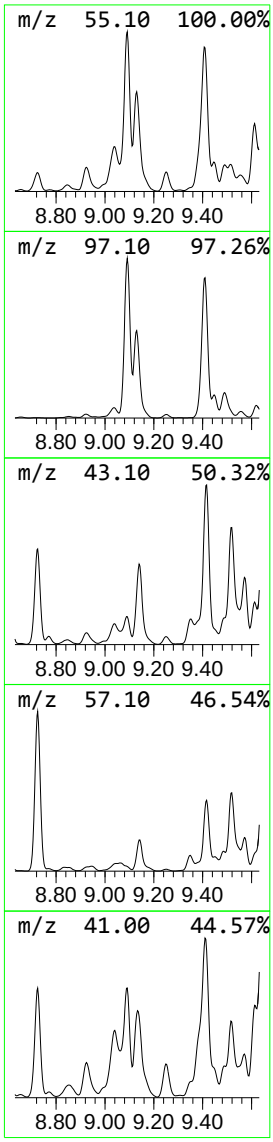
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 28 (DEL) Alkane: Cyclic9.133 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.133	159.99 ug/L	13405700	Chlorobenzene-d5	8.783

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	cis-1-Ethyl-3-methyl-cyclohexane	126	C9H18	019489-10-2	87
2	1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	81
3	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	81
4	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	74
5	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV061324\
Data File : VV036072.D
Acq On : 13 Jun 2024 20:17
Operator : SY/MD
Sample : P2856-02
Misc : 3.33g/10.0mL/MSVOA_V/SOIL/A
ALS Vial : 31 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0SE4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
Quant Title : VOC Analysis

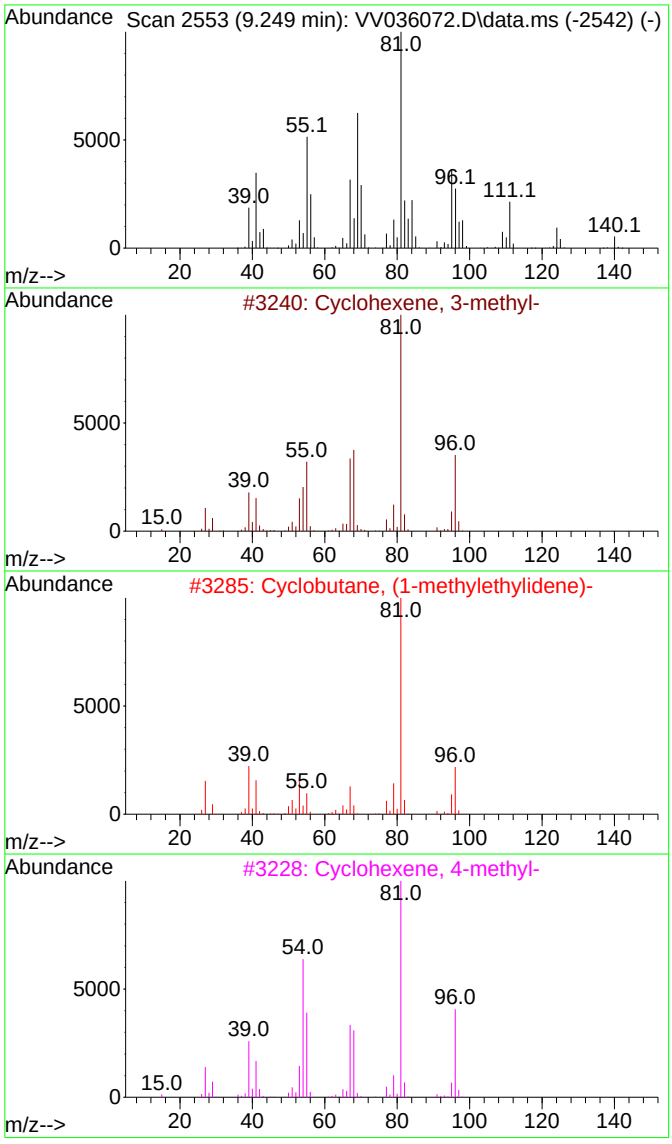
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

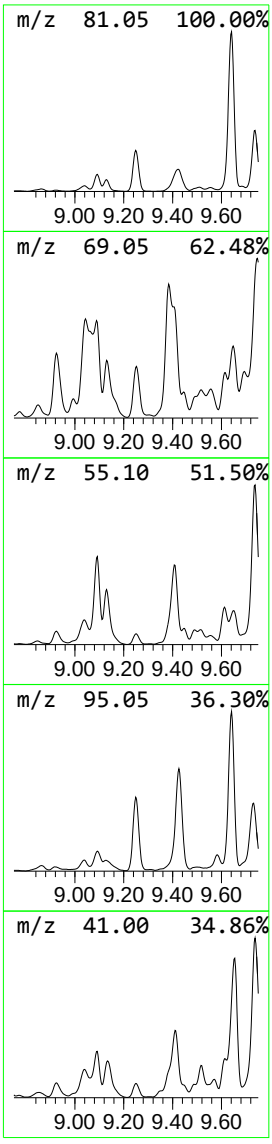
****

Peak Number 29 unknown-01 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.249	64.44 ug/L	5399380	Chlorobenzene-d5	8.783

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexene, 3-methyl-	96	C7H12	000591-48-0	38
2	Cyclobutane, (1-methylethylidene)-	96	C7H12	001528-22-9	38
3	Cyclohexene, 4-methyl-	96	C7H12	000591-47-9	38
4	Cyclohexene, 1-ethyl-	110	C8H14	001453-24-3	27
5	2-Cyclopentene-1-carboxylic acid...	140	C8H12O2	068317-73-7	25





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV061324\
Data File : VV036072.D
Acq On : 13 Jun 2024 20:17
Operator : SY/MD
Sample : P2856-02
Misc : 3.33g/10.0mL/MSVOA_V/SOIL/A
ALS Vial : 31 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0SE4

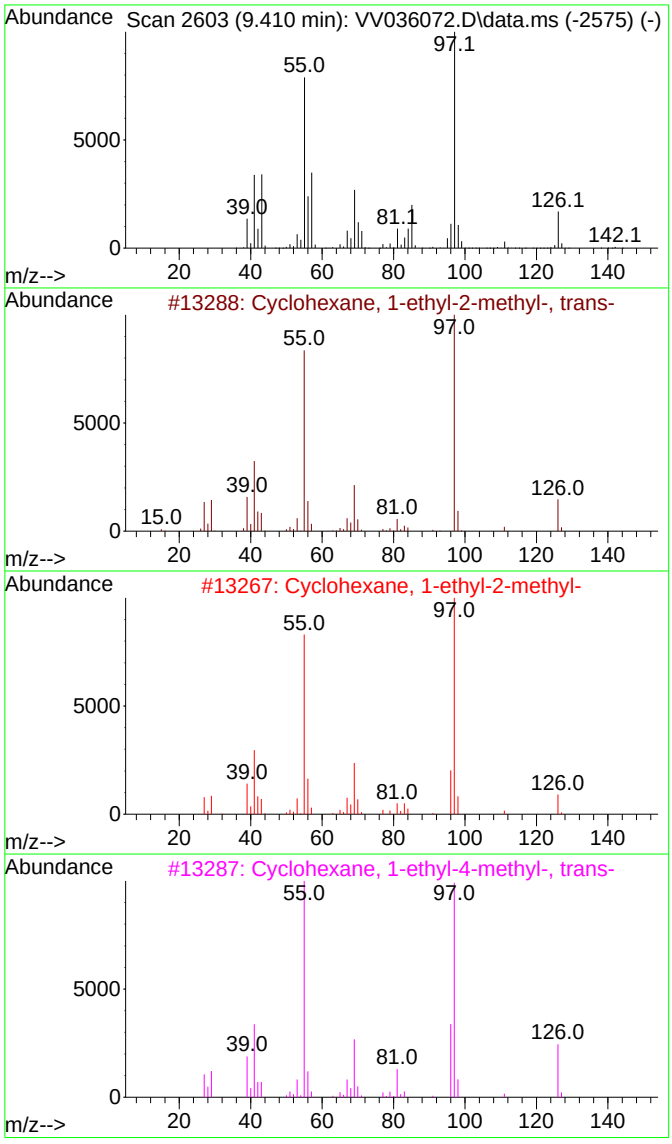
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
Quant Title : VOC Analysis

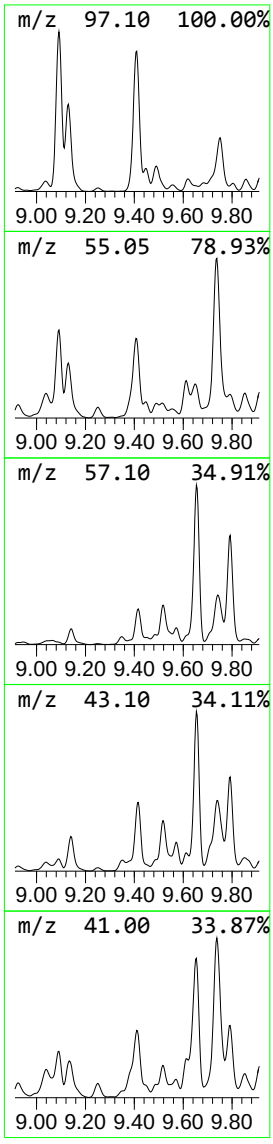
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 30 (DEL) Alkane: Cyclic9.410 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.410	371.66 ug/L	31141400	Chlorobenzene-d5	8.783

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-78-8	70
2	Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	70
3	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	70
4	1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	62
5	Sulfurous acid, cyclohexylmethyl...	402	C23H46O3S	1000309-22-4	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV061324\
Data File : VV036072.D
Acq On : 13 Jun 2024 20:17
Operator : SY/MD
Sample : P2856-02
Misc : 3.33g/10.0mL/MSVOA_V/SOIL/A
ALS Vial : 31 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0SE4

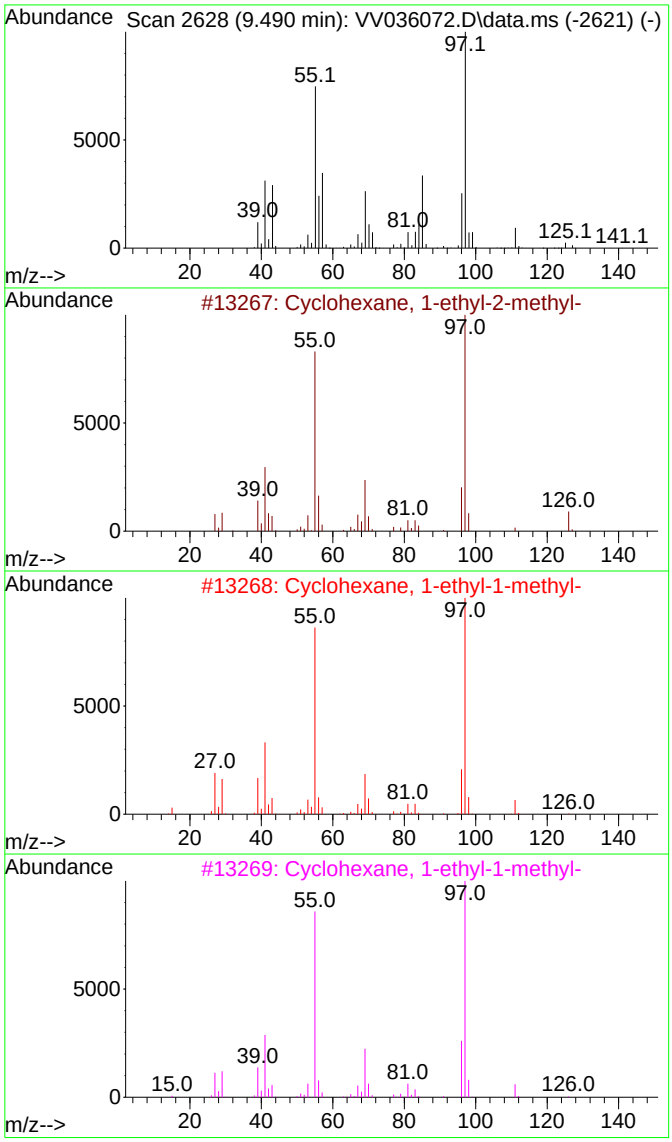
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
Quant Title : VOC Analysis

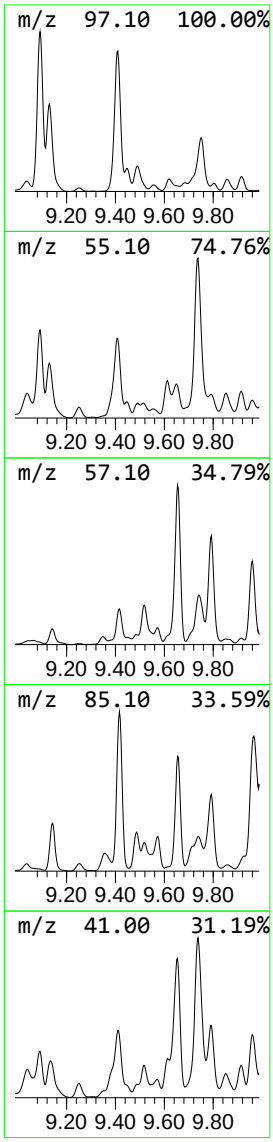
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 31 (DEL) Alkane: Cyclic9.490 Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.490	17.04 ug/L	1428040	Chlorobenzene-d5	8.783

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	59
2	Cyclohexane, 1-ethyl-1-methyl-	126	C9H18	004926-90-3	59
3	Cyclohexane, 1-ethyl-1-methyl-	126	C9H18	004926-90-3	59
4	Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	50
5	Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV061324\
Data File : VV036072.D
Acq On : 13 Jun 2024 20:17
Operator : SY/MD
Sample : P2856-02
Misc : 3.33g/10.0mL/MSVOA_V/SOIL/A
ALS Vial : 31 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0SE4

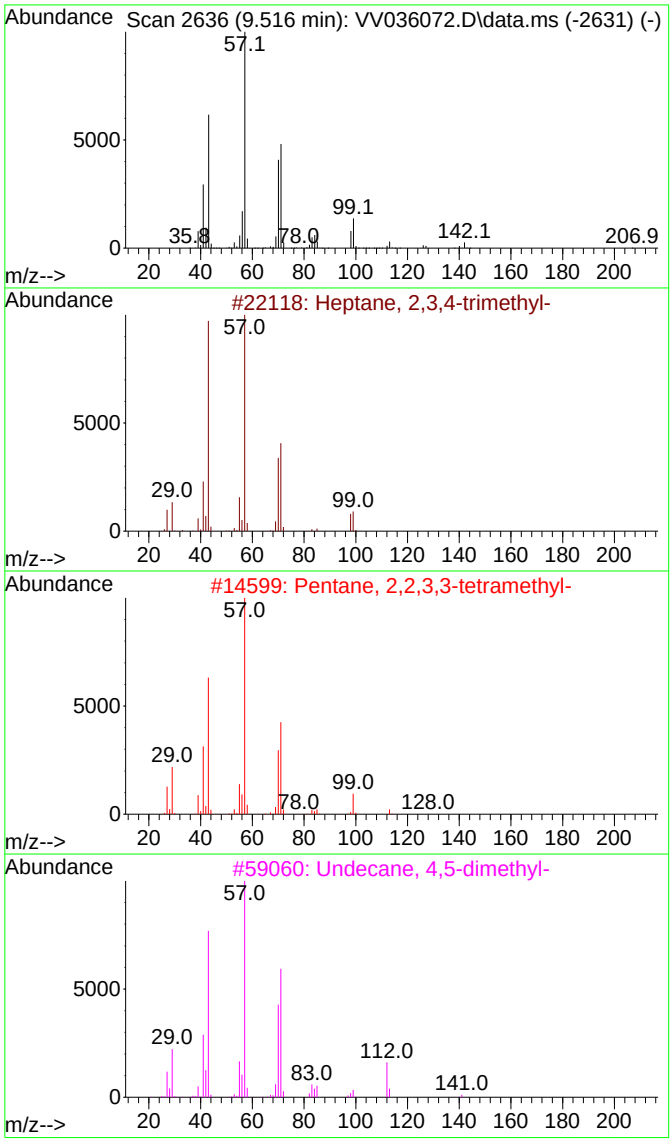
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
Quant Title : VOC Analysis

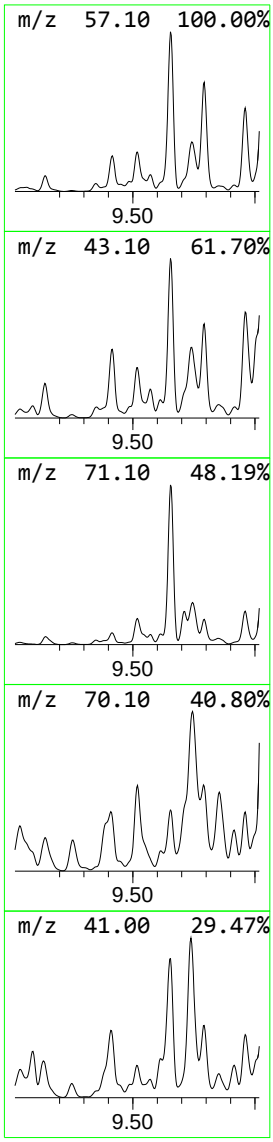
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 32 (DEL) Alkane: Straight-Chai... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.516	46.86 ug/L	3926590	Chlorobenzene-d5	8.783

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,3,4-trimethyl-	142	C10H22	052896-95-4	78
2	Pentane, 2,2,3,3-tetramethyl-	128	C9H20	007154-79-2	72
3	Undecane, 4,5-dimethyl-	184	C13H28	017312-79-7	64
4	Heptane, 4-methyl-	114	C8H18	000589-53-7	53
5	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	52





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV061324\
Data File : VV036072.D
Acq On : 13 Jun 2024 20:17
Operator : SY/MD
Sample : P2856-02
Misc : 3.33g/10.0mL/MSVOA_V/SOIL/A
ALS Vial : 31 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0SE4

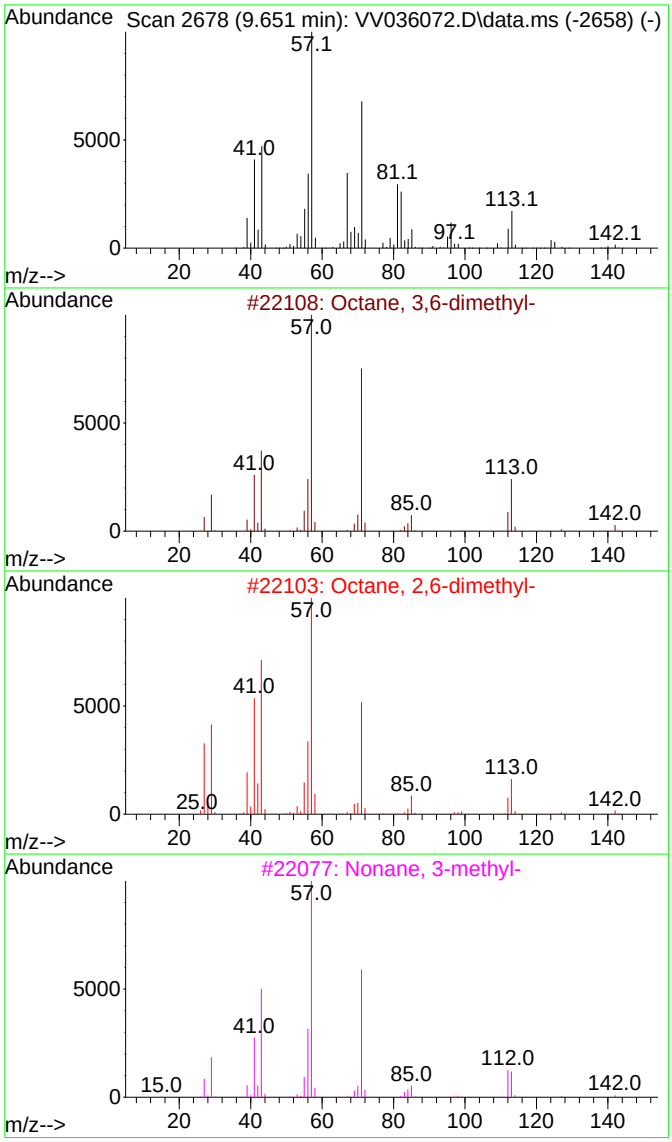
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
Quant Title : VOC Analysis

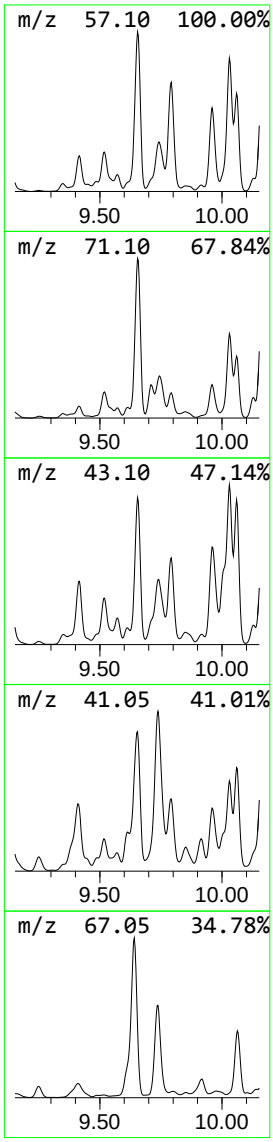
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 33 (DEL) Alkane: Straight-Chai... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.651	542.75 ug/L	45476500	Chlorobenzene-d5	8.783

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	60
2	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	60
3	Nonane, 3-methyl-	142	C10H22	005911-04-6	60
4	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	60
5	Nonane, 3-methyl-	142	C10H22	005911-04-6	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV061324\
Data File : VV036072.D
Acq On : 13 Jun 2024 20:17
Operator : SY/MD
Sample : P2856-02
Misc : 3.33g/10.0mL/MSVOA_V/SOIL/A
ALS Vial : 31 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0SE4

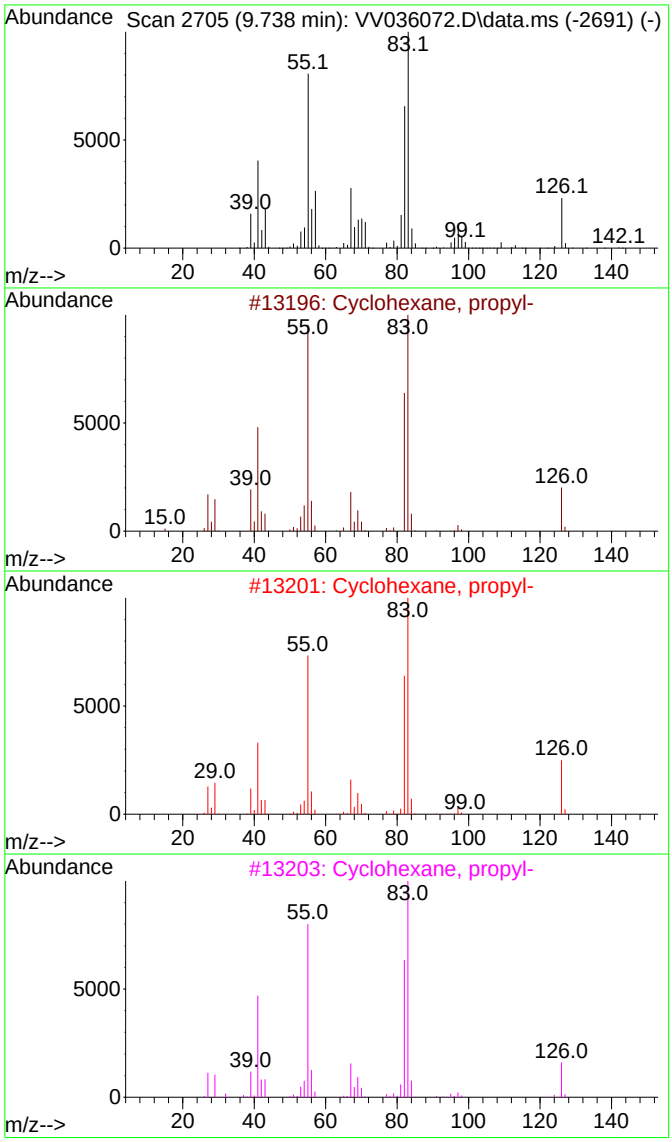
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
Quant Title : VOC Analysis

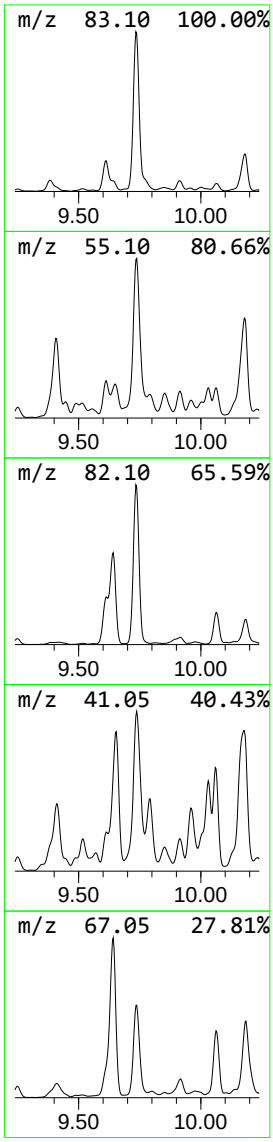
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 34 (DEL) Alkane: Cyclic9.738 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.738	587.36 ug/L	49214200	Chlorobenzene-d5	8.783

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, propyl-	126	C9H18	001678-92-8	81
2	Cyclohexane, propyl-	126	C9H18	001678-92-8	81
3	Cyclohexane, propyl-	126	C9H18	001678-92-8	80
4	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	64
5	Cyclohexane, octyl-	196	C14H28	001795-15-9	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV061324\
Data File : VV036072.D
Acq On : 13 Jun 2024 20:17
Operator : SY/MD
Sample : P2856-02
Misc : 3.33g/10.0mL/MSVOA_V/SOIL/A
ALS Vial : 31 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0SE4

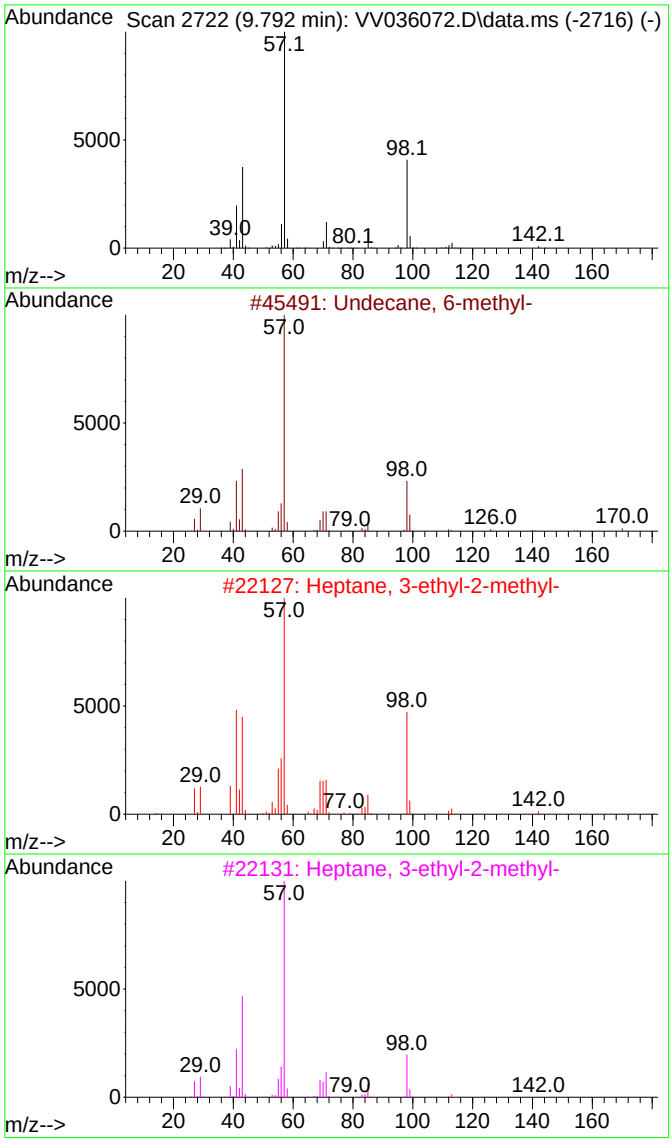
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
Quant Title : VOC Analysis

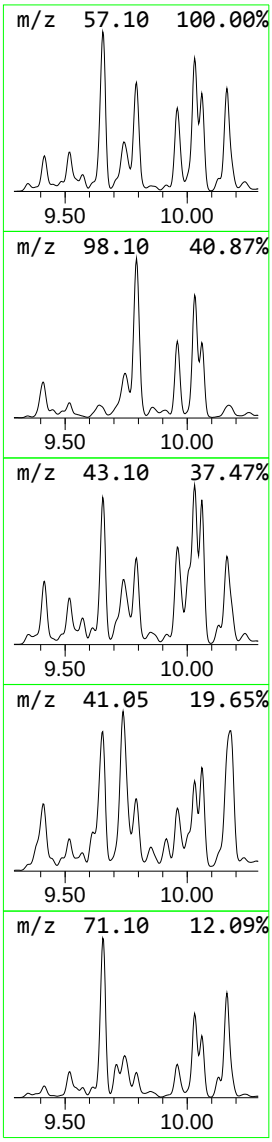
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 35 (DEL) Alkane: Straight-Chai... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.792	167.58 ug/L	14041500	Chlorobenzene-d5	8.783

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 6-methyl-	170	C12H26	017302-33-9	72
2	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	59
3	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	50
4	Octane, 2,3-dimethyl-	142	C10H22	007146-60-3	45
5	Heptane, 2,3,5-trimethyl-	142	C10H22	020278-85-7	37





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV061324\
Data File : VV036072.D
Acq On : 13 Jun 2024 20:17
Operator : SY/MD
Sample : P2856-02
Misc : 3.33g/10.0mL/MSVOA_V/SOIL/A
ALS Vial : 31 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0SE4

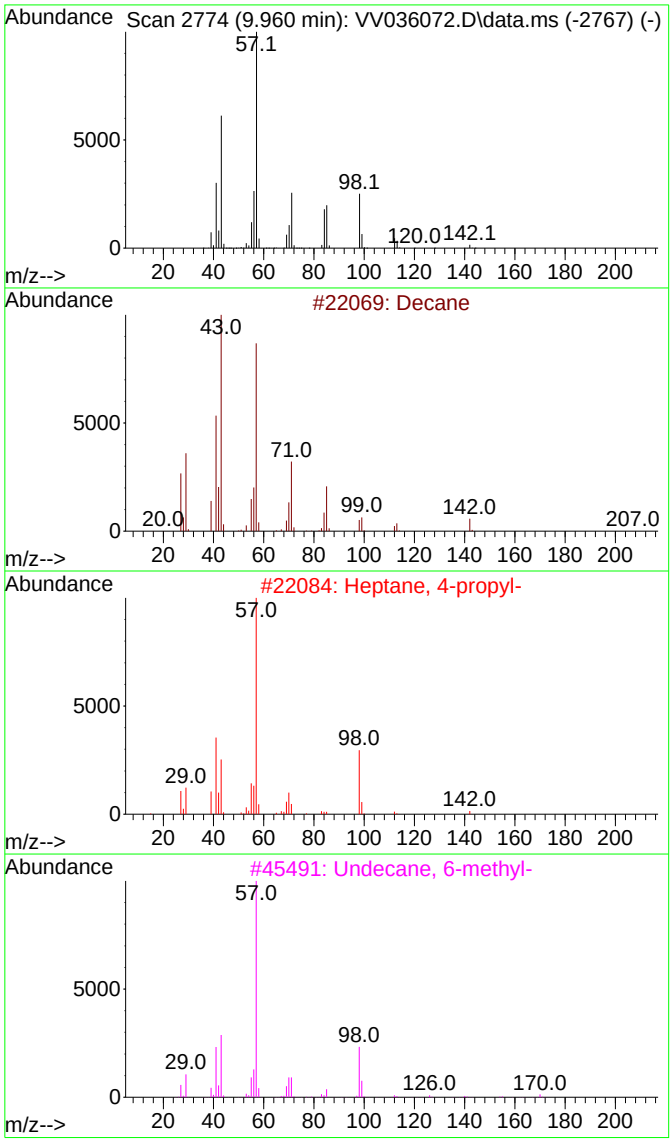
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
Quant Title : VOC Analysis

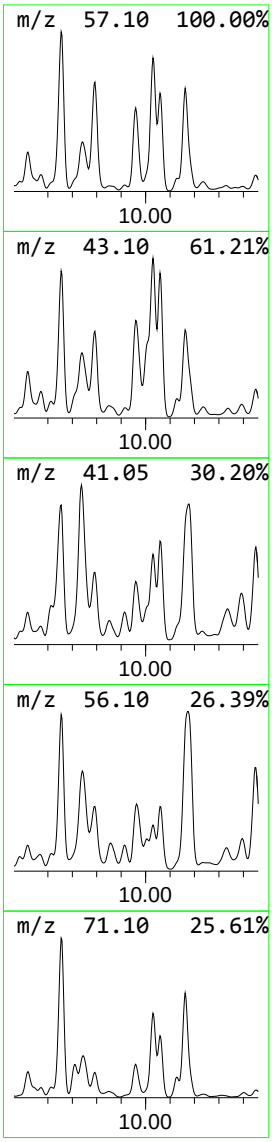
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 36 (DEL) Alkane: Straight-Chai... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.960	150.64 ug/L	12621600	Chlorobenzene-d5	8.783

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane	142	C10H22	000124-18-5	50
2	Heptane, 4-propyl-	142	C10H22	003178-29-8	46
3	Undecane, 6-methyl-	170	C12H26	017302-33-9	43
4	Octane, 2,3-dimethyl-	142	C10H22	007146-60-3	43
5	Nonane, 4-methyl-	142	C10H22	017301-94-9	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV061324\
Data File : VV036072.D
Acq On : 13 Jun 2024 20:17
Operator : SY/MD
Sample : P2856-02
Misc : 3.33g/10.0mL/MSVOA_V/SOIL/A
ALS Vial : 31 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0SE4

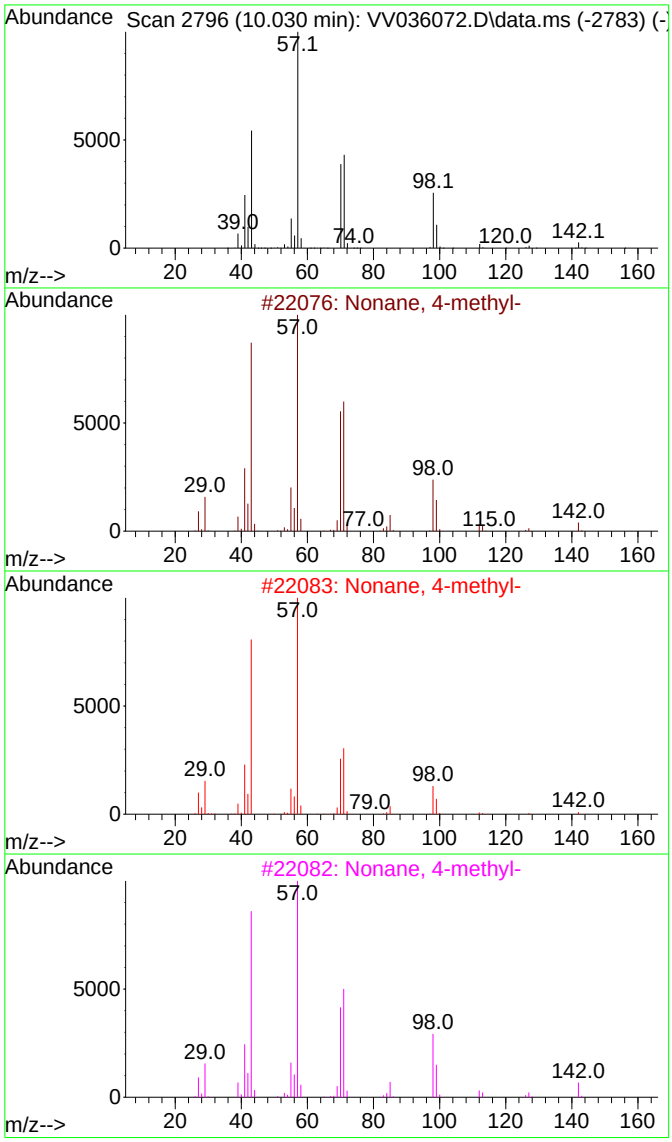
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
Quant Title : VOC Analysis

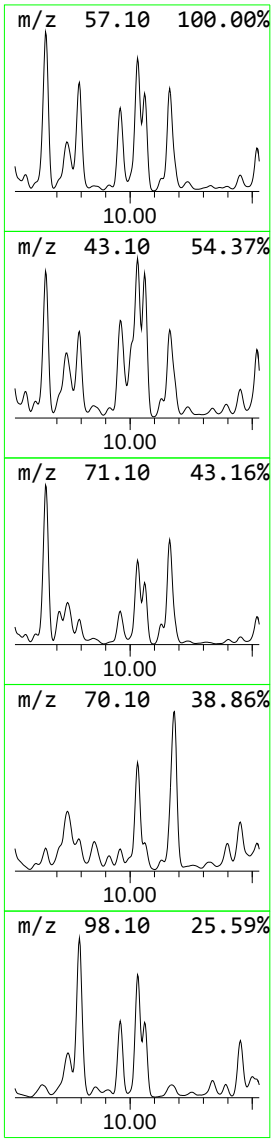
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 37 (DEL) Alkane: Straight-Chai... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.030	85.40 ug/L	23488300	1,4-Dichlorobenzene-d4	11.185

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 4-methyl-	142	C10H22	017301-94-9	80
2	Nonane, 4-methyl-	142	C10H22	017301-94-9	64
3	Nonane, 4-methyl-	142	C10H22	017301-94-9	64
4	Heptane, 2,3,4-trimethyl-	142	C10H22	052896-95-4	64
5	Hexane, 3,3,4-trimethyl-	128	C9H20	016747-31-2	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV061324\
Data File : VV036072.D
Acq On : 13 Jun 2024 20:17
Operator : SY/MD
Sample : P2856-02
Misc : 3.33g/10.0mL/MSVOA_V/SOIL/A
ALS Vial : 31 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0SE4

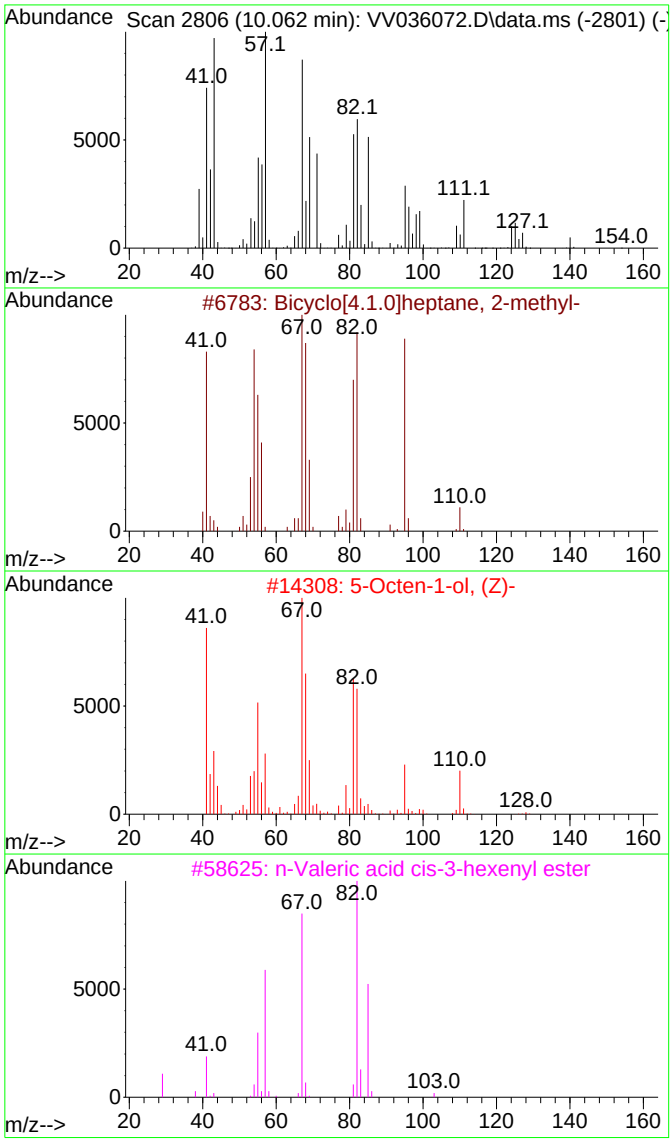
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
Quant Title : VOC Analysis

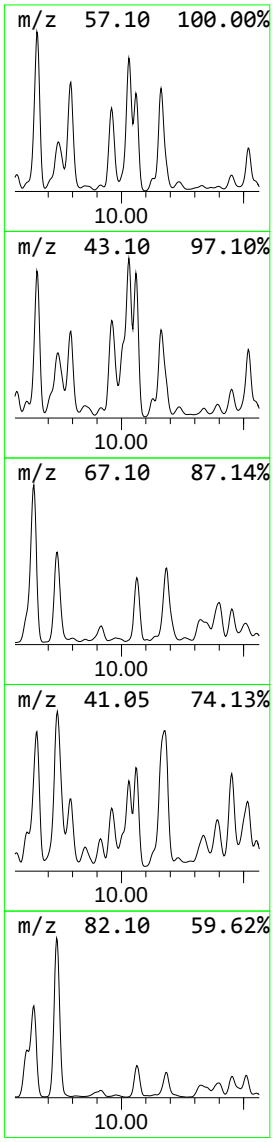
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 38 unknown-02 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.063	74.10 ug/L	20382400	1,4-Dichlorobenzene-d4	11.185

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[4.1.0]heptane, 2-methyl-	110	C8H14	041977-46-2	43
2	5-Octen-1-ol, (Z)-	128	C8H16O	064275-73-6	38
3	n-Valeric acid cis-3-hexenyl ester	184	C11H20O2	035852-46-1	35
4	2-Ethylidenecyclohexanone	124	C8H12O	001122-24-3	30
5	Pentalene, octahydro-1-methyl-	124	C9H16	032273-77-1	30





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV061324\
Data File : VV036072.D
Acq On : 13 Jun 2024 20:17
Operator : SY/MD
Sample : P2856-02
Misc : 3.33g/10.0mL/MSVOA_V/SOIL/A
ALS Vial : 31 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0SE4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
Quant Title : VOC Analysis

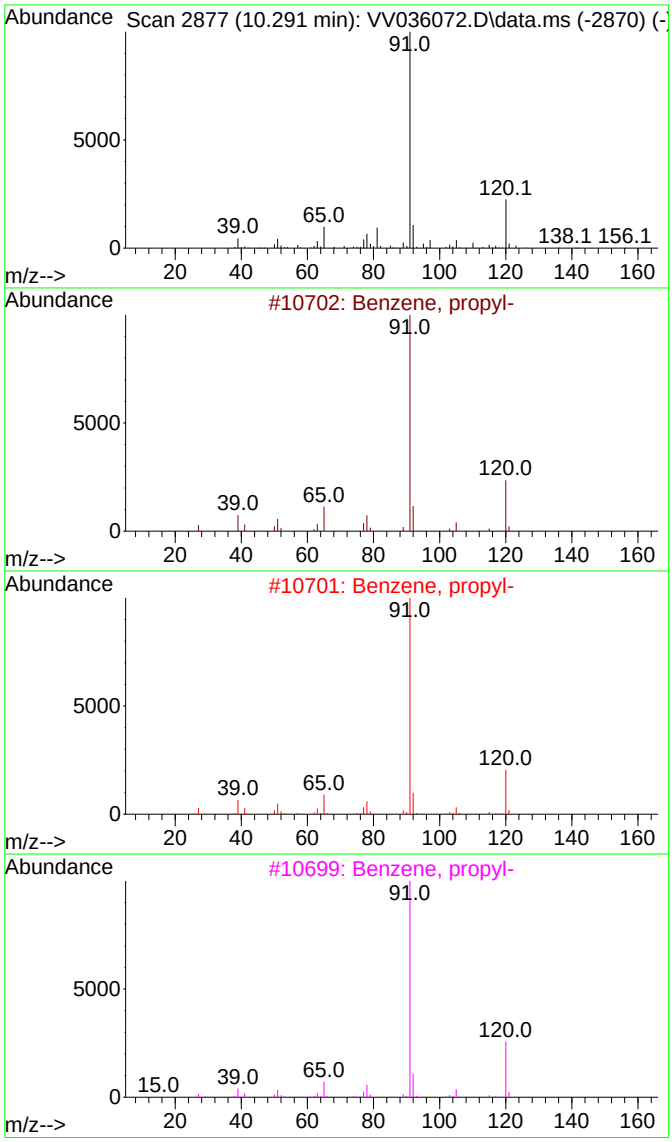
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

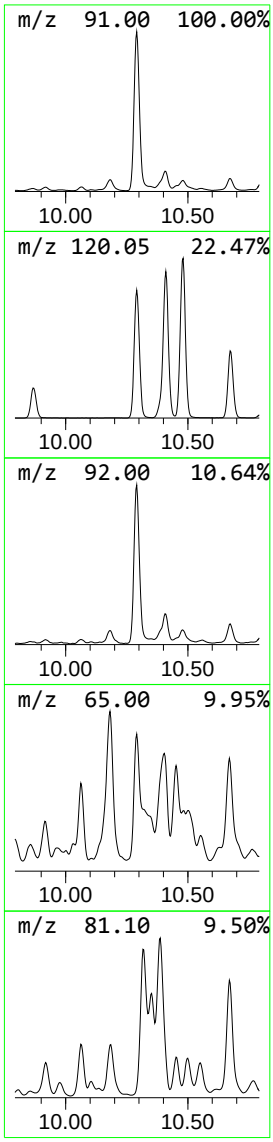
****

Peak Number 39 Benzene, propyl- Concentration Rank 54

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.291	6.96 ug/L	1913610	1,4-Dichlorobenzene-d4	11.185

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, propyl-	120	C9H12	000103-65-1	92
2	Benzene, propyl-	120	C9H12	000103-65-1	70
3	Benzene, propyl-	120	C9H12	000103-65-1	70
4	1,2-Ethanediamine, N,N'-bis(phen...	240	C16H20N2	000140-28-3	53
5	Ethanol, 2-[(phenylmethyl)amino]-	151	C9H13NO	000104-63-2	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV061324\
Data File : VV036072.D
Acq On : 13 Jun 2024 20:17
Operator : SY/MD
Sample : P2856-02
Misc : 3.33g/10.0mL/MSVOA_V/SOIL/A
ALS Vial : 31 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0SE4

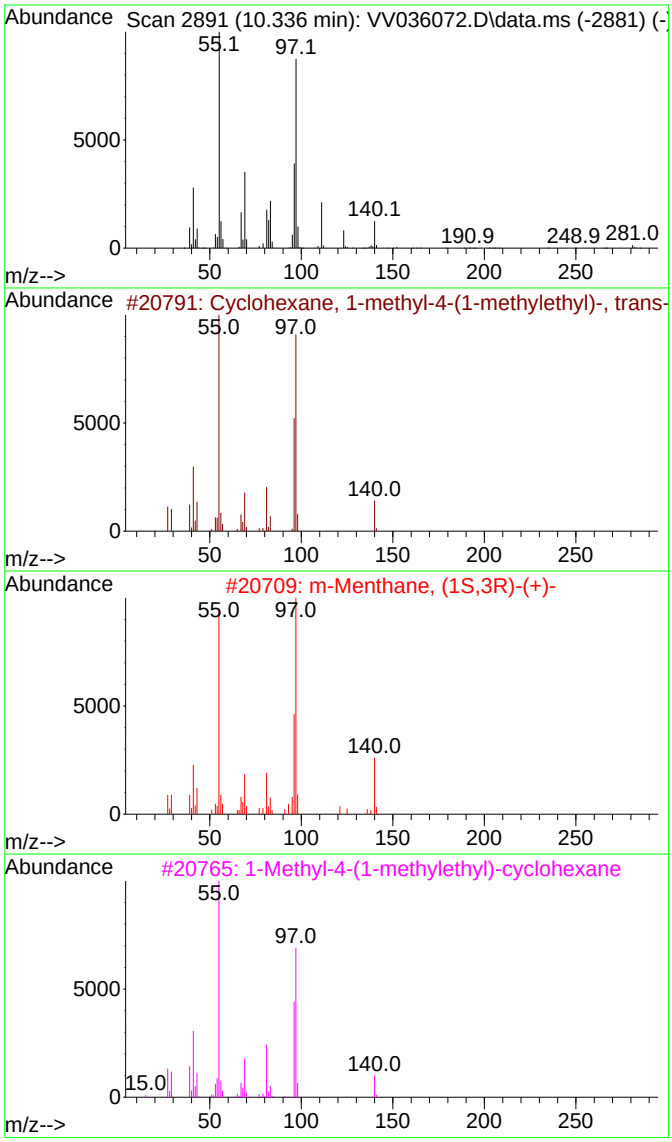
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
Quant Title : VOC Analysis

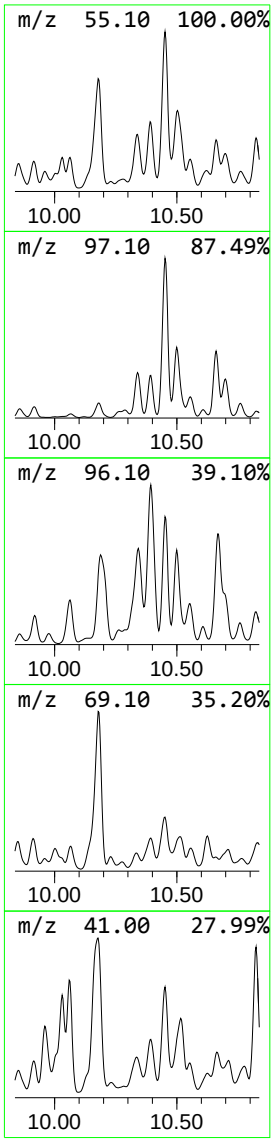
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 40 (DEL) Alkane: Cyclic10.336 Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.336	46.05 ug/L	12667400	1,4-Dichlorobenzene-d4	11.185

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	001678-82-6	76
2	m-Menthane, (1S,3R)-(+)-	140	C10H20	013837-66-6	74
3	1-Methyl-4-(1-methylethyl)-cyclo...	140	C10H20	000099-82-1	68
4	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	001678-82-6	68
5	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	001678-82-6	68





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV061324\
Data File : VV036072.D
Acq On : 13 Jun 2024 20:17
Operator : SY/MD
Sample : P2856-02
Misc : 3.33g/10.0mL/MSVOA_V/SOIL/A
ALS Vial : 31 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0SE4

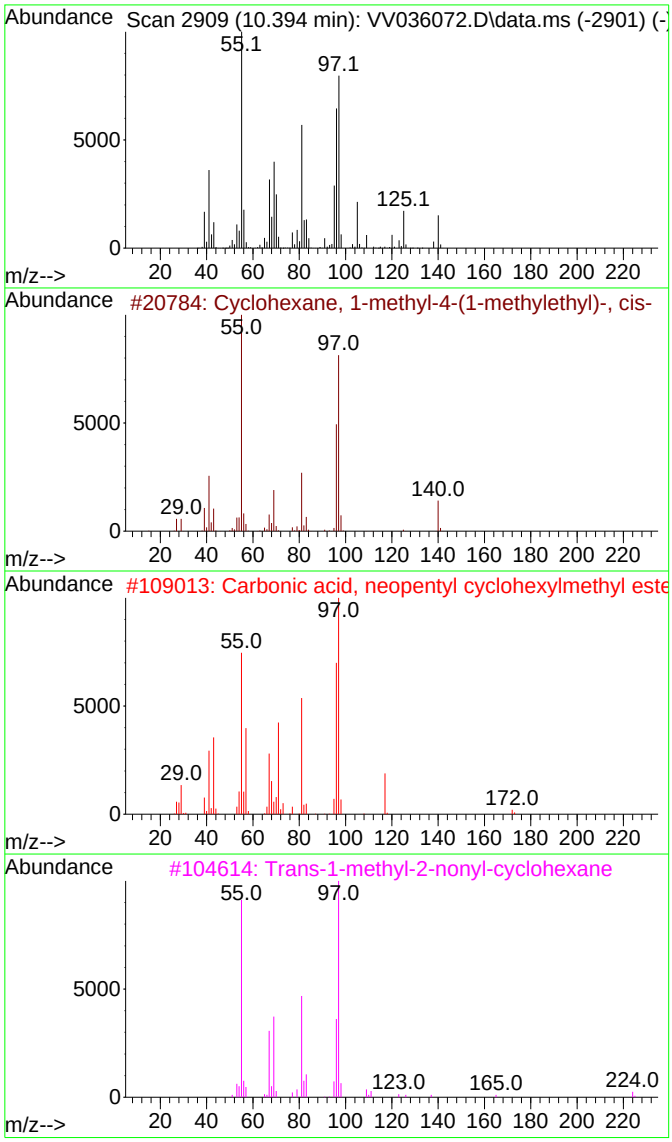
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
Quant Title : VOC Analysis

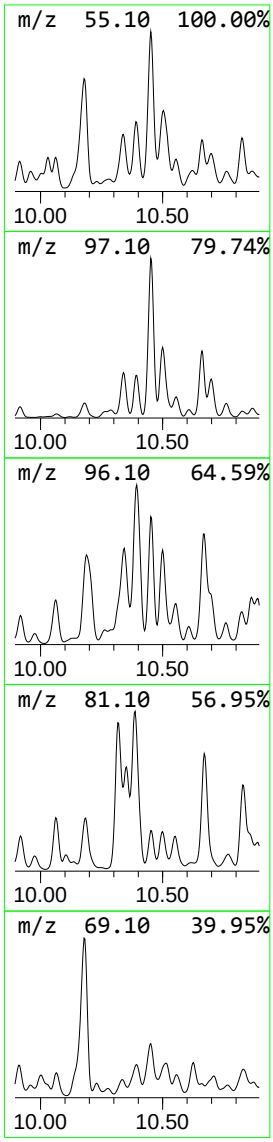
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 41 (DEL) Alkane: Cyclic10.394 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.394	59.71 ug/L	16422700	1,4-Dichlorobenzene-d4	11.185

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	006069-98-3	52
2	Carbonic acid, neopentyl cyclohe...	228	C13H24O3	1000357-85-8	47
3	Trans-1-methyl-2-nonyl-cyclohexane	224	C16H32	1000371-47-8	47
4	Cyclopropanemethanol, 2,2,3,3-te...	128	C8H16O	002415-96-5	47
5	1-Azabicyclo[2.2.2]octan-3-one	125	C7H11NO	003731-38-2	46





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV061324\
Data File : VV036072.D
Acq On : 13 Jun 2024 20:17
Operator : SY/MD
Sample : P2856-02
Misc : 3.33g/10.0mL/MSVOA_V/SOIL/A
ALS Vial : 31 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0SE4

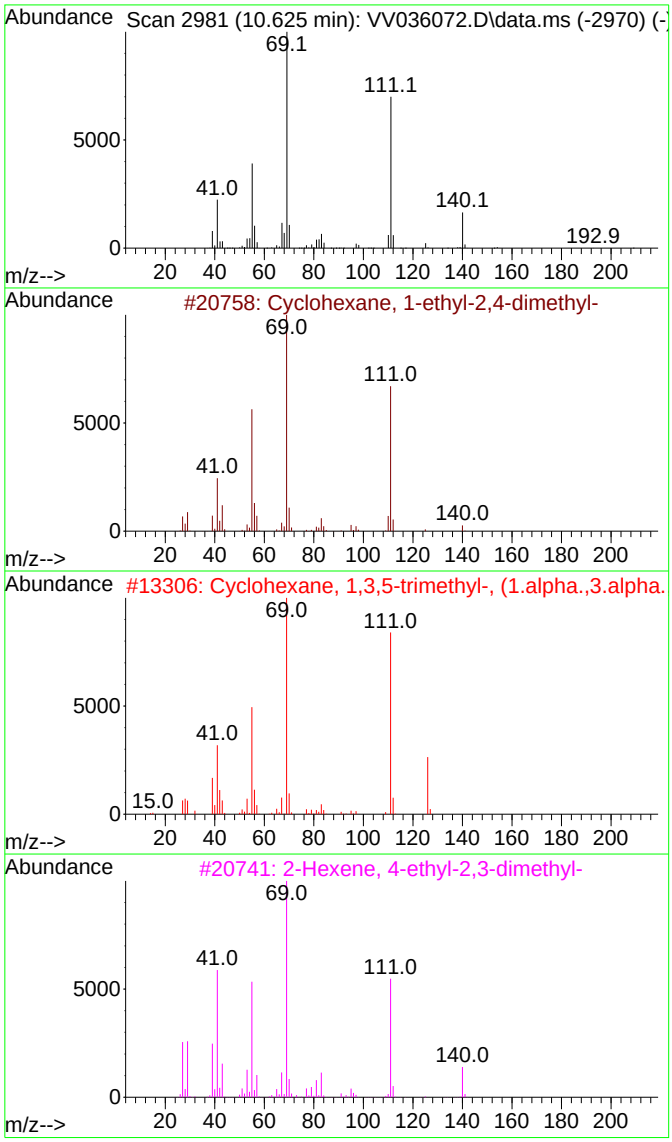
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
Quant Title : VOC Analysis

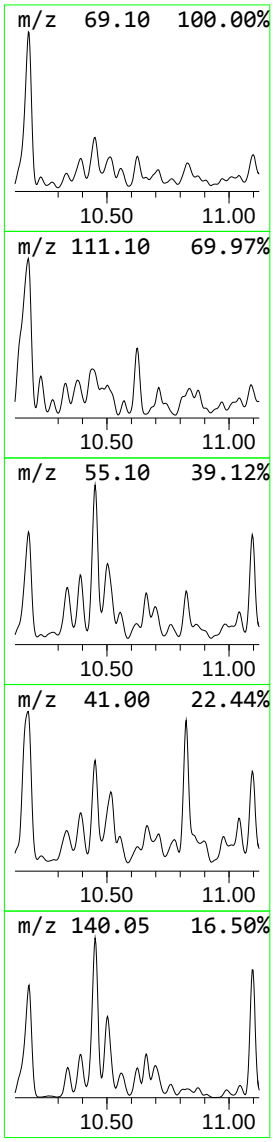
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 42 (DEL) Alkane: Cyclic10.625 Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.625	15.90 ug/L	4374030	1,4-Dichlorobenzene-d4	11.185

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-ethyl-2,4-dimethyl-	140	C10H20	061142-69-6	78
2	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	78
3	2-Hexene, 4-ethyl-2,3-dimethyl-	140	C10H20	1000149-19-7	72
4	Cyclohexane, 1-ethyl-1,3-dimethy...	140	C10H20	062238-29-3	72
5	Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV061324\
Data File : VV036072.D
Acq On : 13 Jun 2024 20:17
Operator : SY/MD
Sample : P2856-02
Misc : 3.33g/10.0mL/MSVOA_V/SOIL/A
ALS Vial : 31 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0SE4

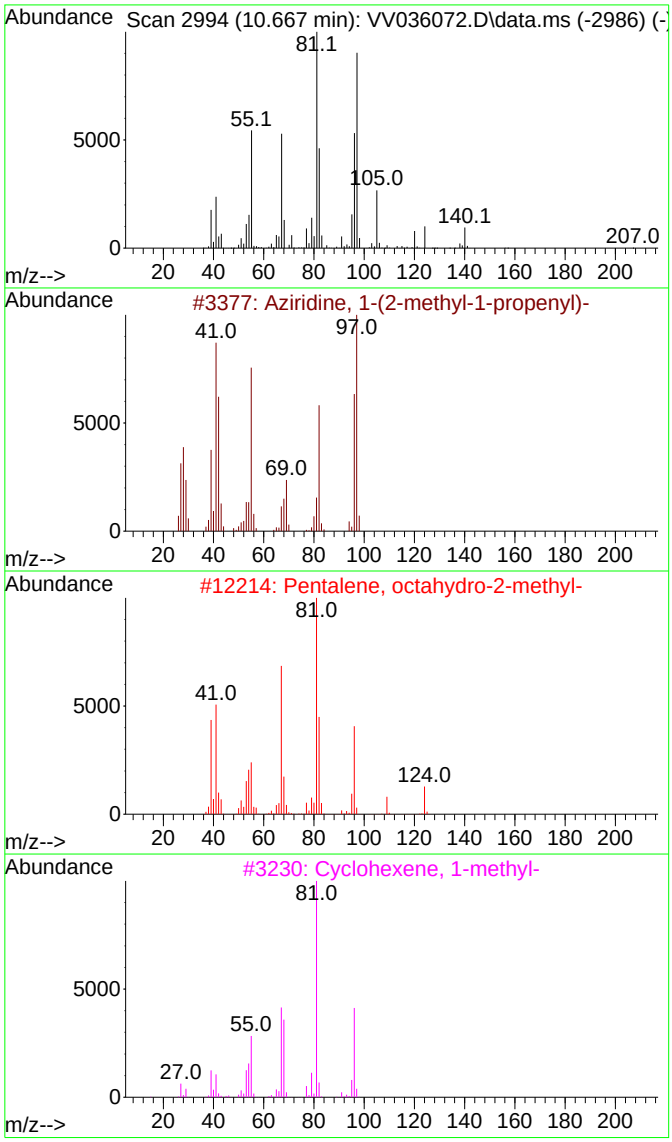
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
Quant Title : VOC Analysis

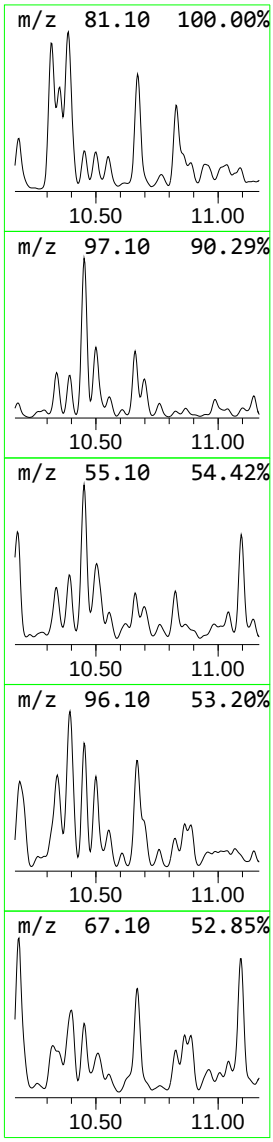
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 43 Aziridine, 1-(2-methyl-1-pr... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.667	39.65 ug/L	10904900	1,4-Dichlorobenzene-d4	11.185

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Aziridine, 1-(2-methyl-1-propenyl)-	97	C6H11N	080839-93-6	50
2	Pentalene, octahydro-2-methyl-	124	C9H16	003868-64-2	49
3	Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	45
4	Cyclohexane, methylene-	96	C7H12	001192-37-6	45
5	6-Methyl-bicyclo[4.2.0]octan-7-one	138	C9H14O	1010193-87-2	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV061324\
Data File : VV036072.D
Acq On : 13 Jun 2024 20:17
Operator : SY/MD
Sample : P2856-02
Misc : 3.33g/10.0mL/MSVOA_V/SOIL/A
ALS Vial : 31 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0SE4

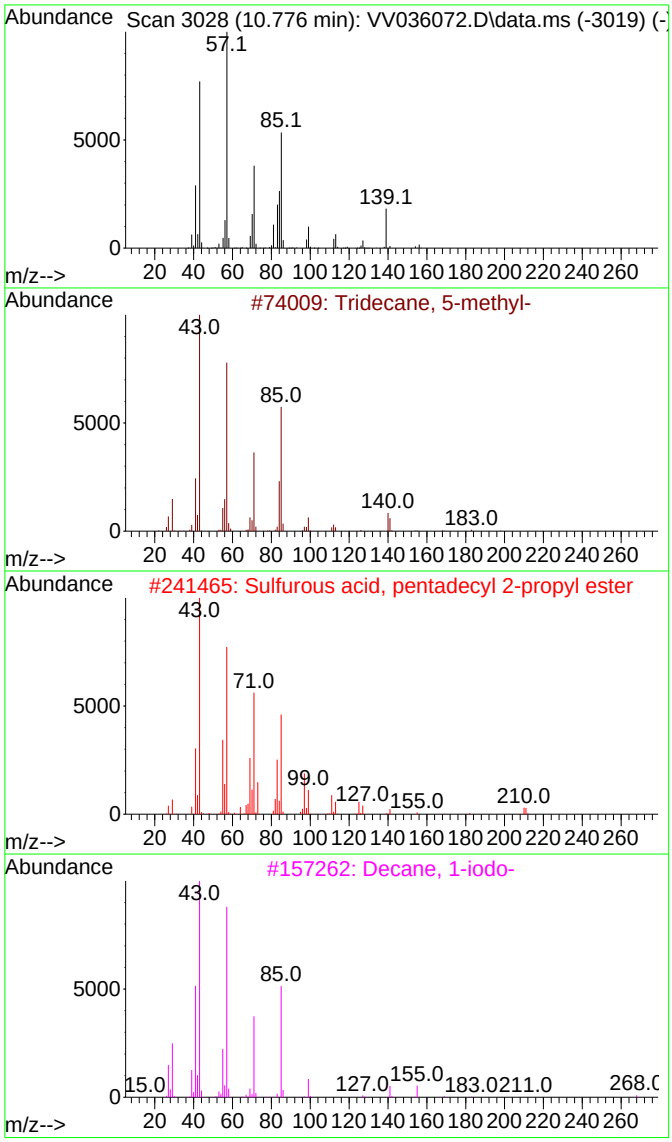
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
Quant Title : VOC Analysis

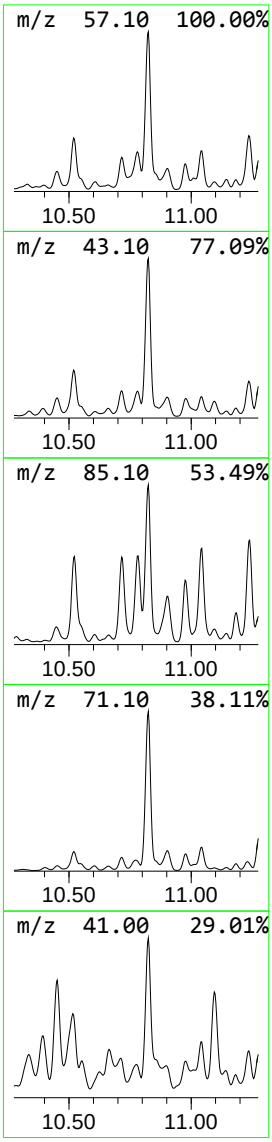
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 44 (DEL) Alkane: Straight-Chai... Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.776	12.64 ug/L	3477940	1,4-Dichlorobenzene-d4	11.185

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 5-methyl-	198	C14H30	025117-31-1	53
2	Sulfurous acid, pentadecyl 2-pro...	334	C18H38O3S	1000309-12-6	50
3	Decane, 1-iodo-	268	C10H21I	002050-77-3	50
4	Decane, 3-ethyl-3-methyl-	184	C13H28	017312-66-2	50
5	Undecane, 2,4-dimethyl-	184	C13H28	017312-80-0	47





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV061324\
Data File : VV036072.D
Acq On : 13 Jun 2024 20:17
Operator : SY/MD
Sample : P2856-02
Misc : 3.33g/10.0mL/MSVOA_V/SOIL/A
ALS Vial : 31 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0SE4

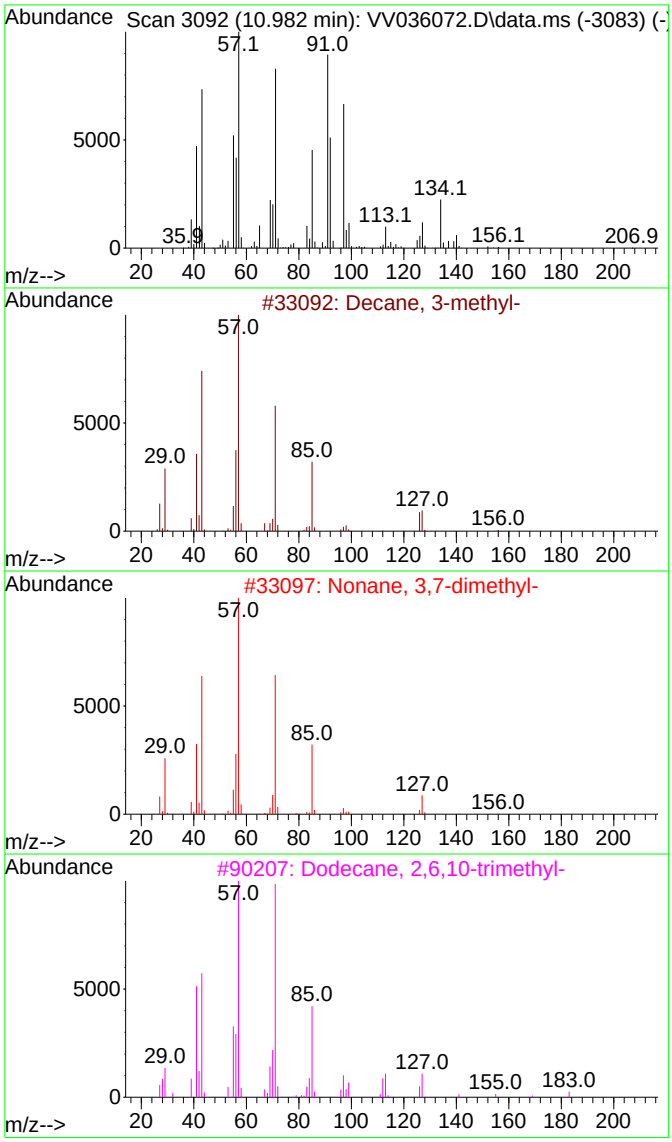
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
Quant Title : VOC Analysis

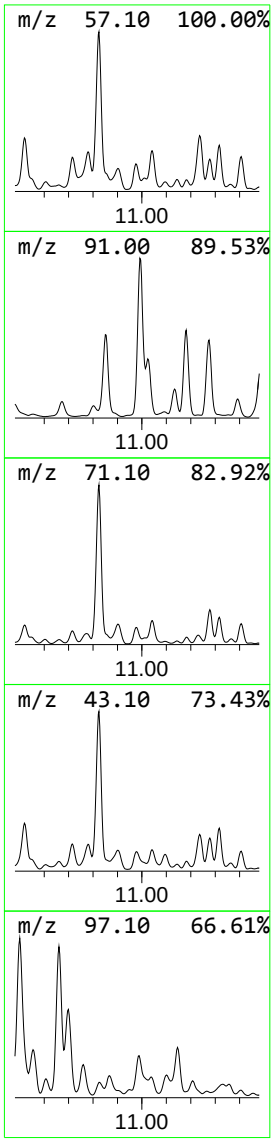
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 45 (DEL) Alkane: Straight-Chai... Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.982	25.64 ug/L	7052090	1,4-Dichlorobenzene-d4	11.185

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 3-methyl-	156	C11H24	013151-34-3	55
2	Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	43
3	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	43
4	Dodecane, 3-methyl-	184	C13H28	017312-57-1	35
5	1,3-Dimethylcyclopentanol	114	C7H14O	019550-46-0	30





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV061324\
Data File : VV036072.D
Acq On : 13 Jun 2024 20:17
Operator : SY/MD
Sample : P2856-02
Misc : 3.33g/10.0mL/MSVOA_V/SOIL/A
ALS Vial : 31 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0SE4

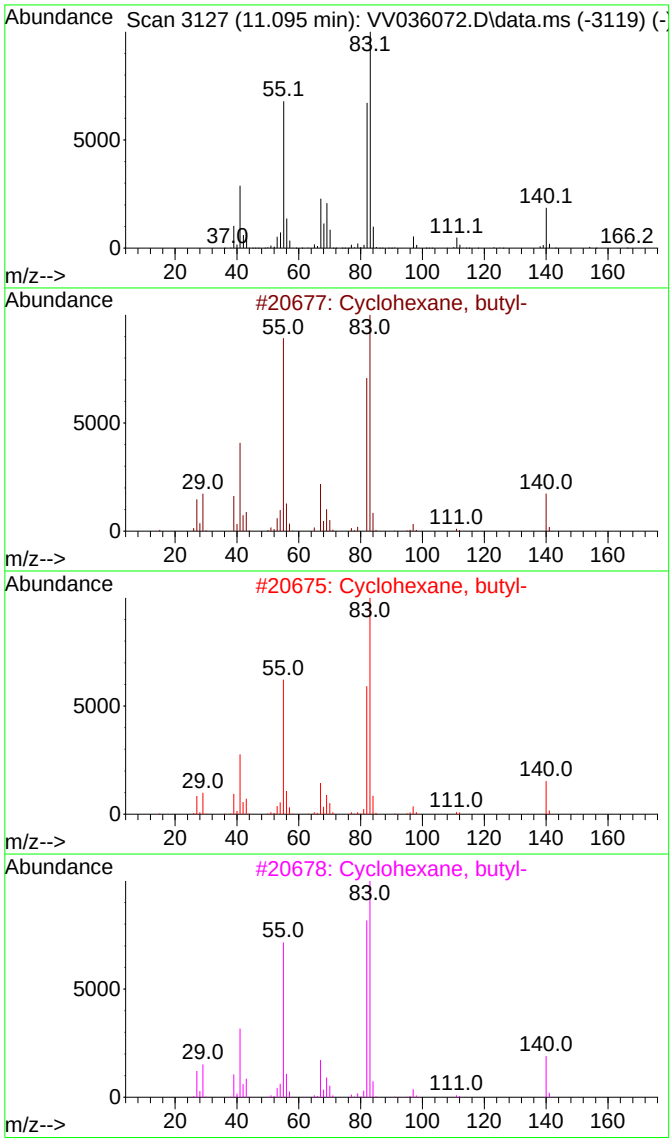
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
Quant Title : VOC Analysis

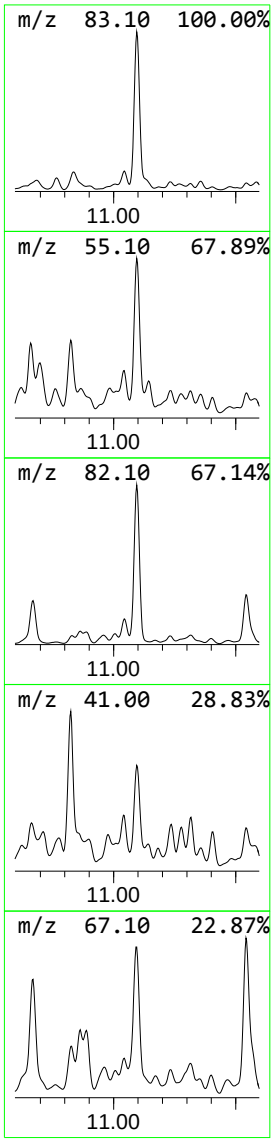
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 46 (DEL) Alkane: Cyclic11.095 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.095	65.35 ug/L	17975900	1,4-Dichlorobenzene-d4	11.185

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, butyl-	140	C10H20	001678-93-9	91
2	Cyclohexane, butyl-	140	C10H20	001678-93-9	87
3	Cyclohexane, butyl-	140	C10H20	001678-93-9	87
4	Cyclohexane, octyl-	196	C14H28	001795-15-9	78
5	Cyclohexane, pentyl-	154	C11H22	004292-92-6	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV061324\
Data File : VV036072.D
Acq On : 13 Jun 2024 20:17
Operator : SY/MD
Sample : P2856-02
Misc : 3.33g/10.0mL/MSVOA_V/SOIL/A
ALS Vial : 31 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0SE4

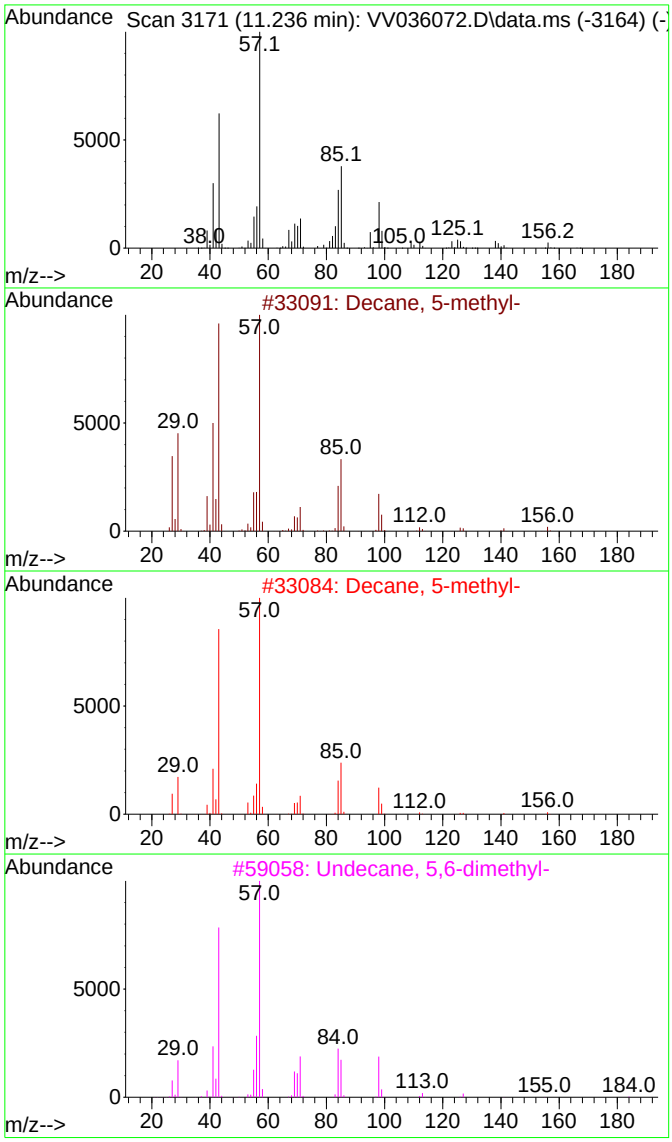
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
Quant Title : VOC Analysis

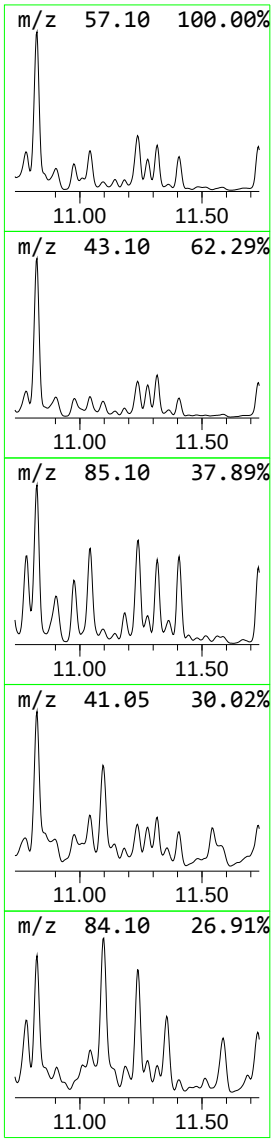
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 47 (DEL) Alkane: Straight-Chai... Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.236	20.86 ug/L	5738400	1,4-Dichlorobenzene-d4	11.185

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 5-methyl-	156	C11H24	013151-35-4	87
2	Decane, 5-methyl-	156	C11H24	013151-35-4	64
3	Undecane, 5,6-dimethyl-	184	C13H28	017615-91-7	50
4	Nonane, 2,5-dimethyl-	156	C11H24	017302-27-1	46
5	Heptadecane	240	C17H36	000629-78-7	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV061324\
Data File : VV036072.D
Acq On : 13 Jun 2024 20:17
Operator : SY/MD
Sample : P2856-02
Misc : 3.33g/10.0mL/MSVOA_V/SOIL/A
ALS Vial : 31 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0SE4

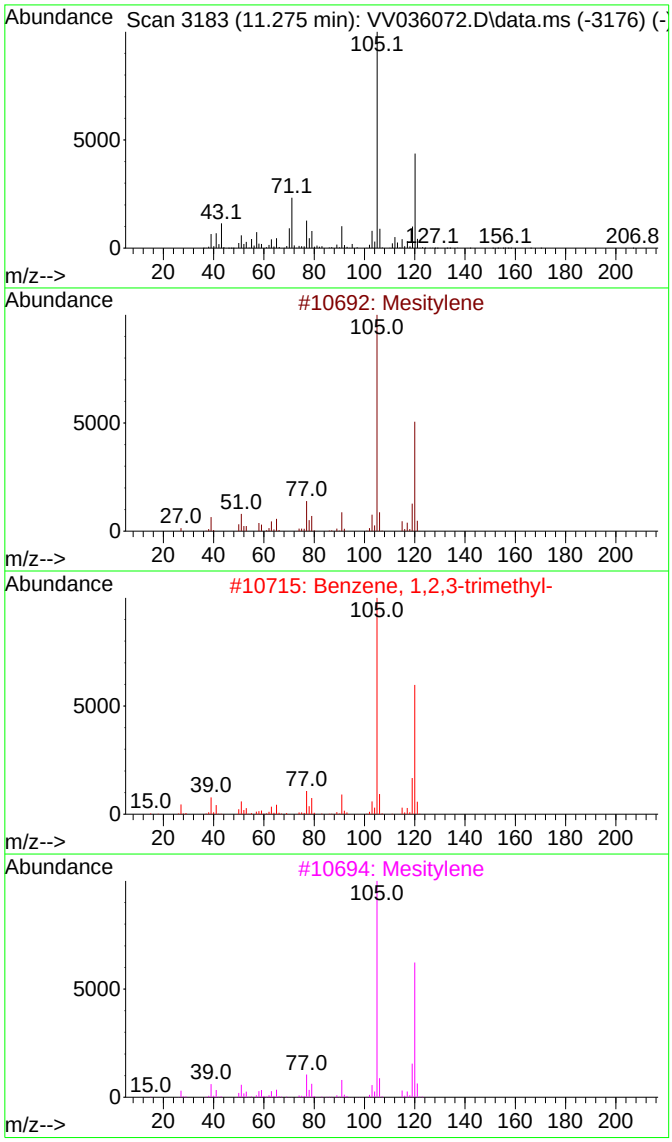
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
Quant Title : VOC Analysis

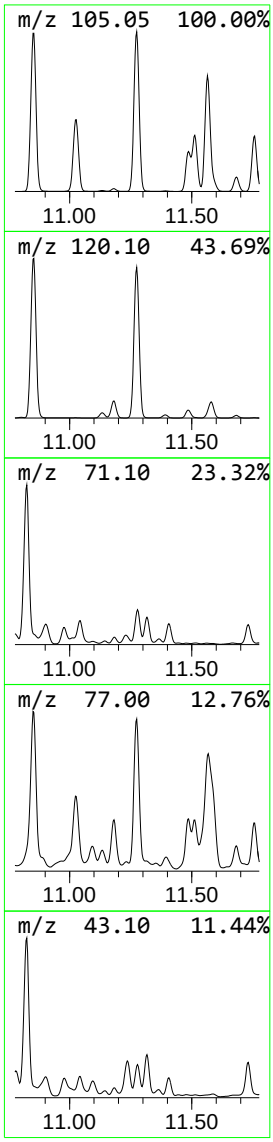
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 48 Benzene, 1,2,3-trimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.275	61.87 ug/L	17017000	1,4-Dichlorobenzene-d4	11.185

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Mesitylene	120	C9H12	000108-67-8	95
2	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	94
3	Mesitylene	120	C9H12	000108-67-8	93
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	90
5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	90





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV061324\
Data File : VV036072.D
Acq On : 13 Jun 2024 20:17
Operator : SY/MD
Sample : P2856-02
Misc : 3.33g/10.0mL/MSVOA_V/SOIL/A
ALS Vial : 31 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0SE4

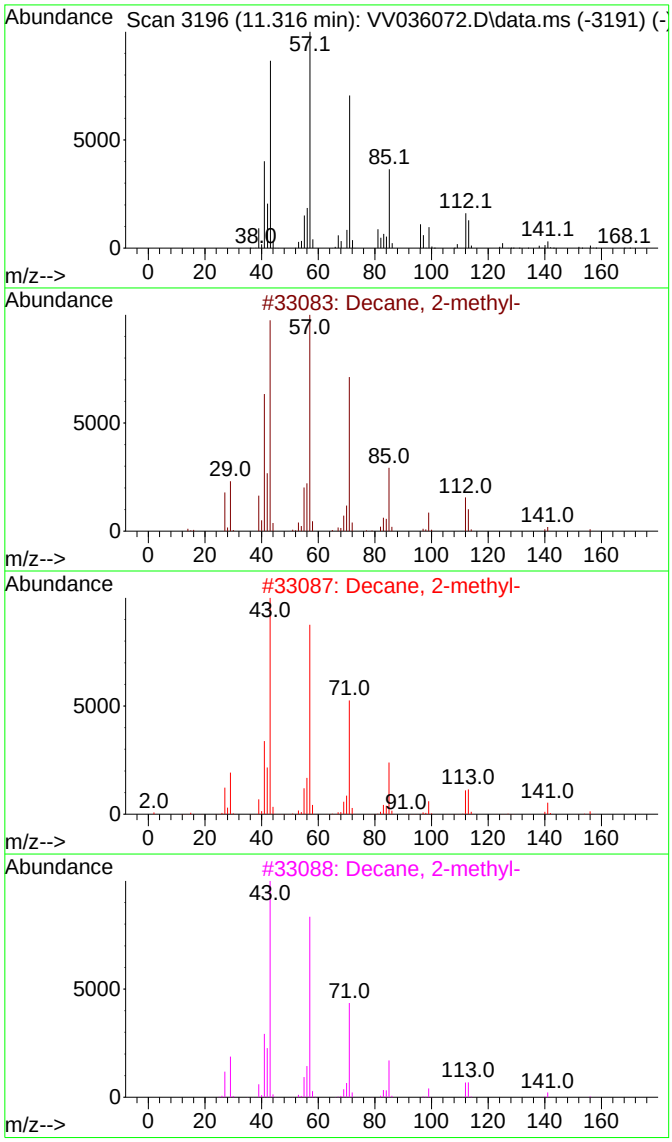
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
Quant Title : VOC Analysis

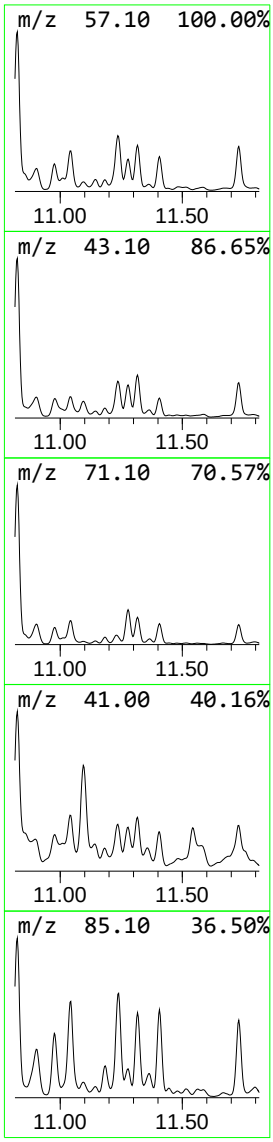
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 49 (DEL) Alkane: Straight-Chai... Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.316	20.41 ug/L	5613340	1,4-Dichlorobenzene-d4	11.185

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 2-methyl-	156	C11H24	006975-98-0	93
2	Decane, 2-methyl-	156	C11H24	006975-98-0	87
3	Decane, 2-methyl-	156	C11H24	006975-98-0	80
4	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	64
5	Undecane, 2-methyl-	170	C12H26	007045-71-8	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV061324\
Data File : VV036072.D
Acq On : 13 Jun 2024 20:17
Operator : SY/MD
Sample : P2856-02
Misc : 3.33g/10.0mL/MSVOA_V/SOIL/A
ALS Vial : 31 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0SE4

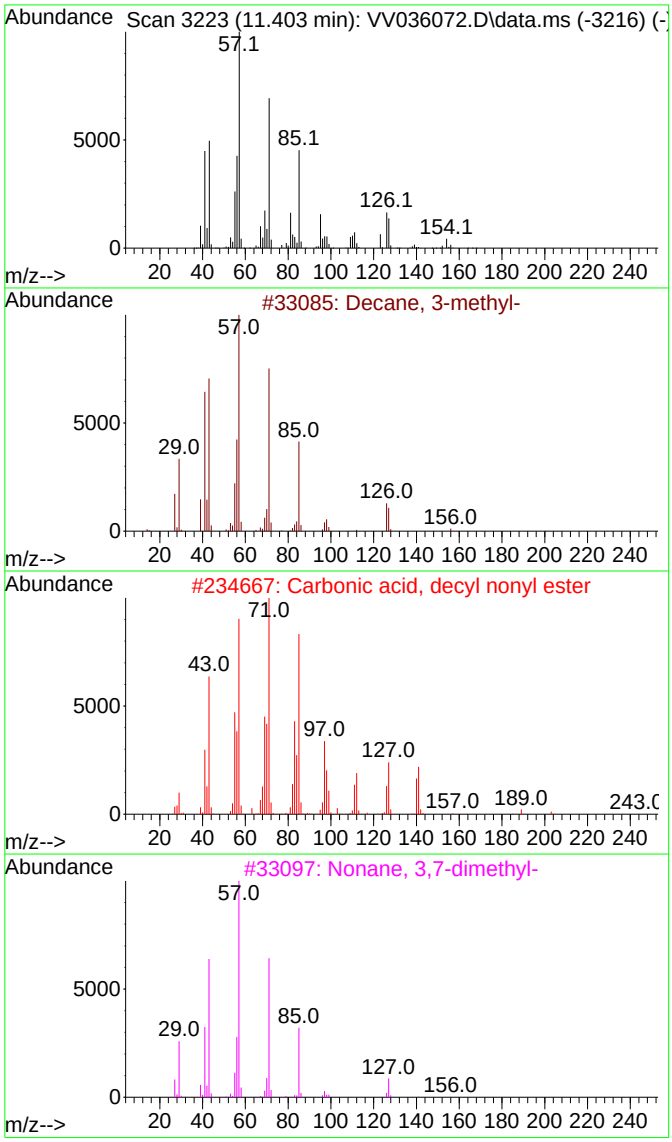
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
Quant Title : VOC Analysis

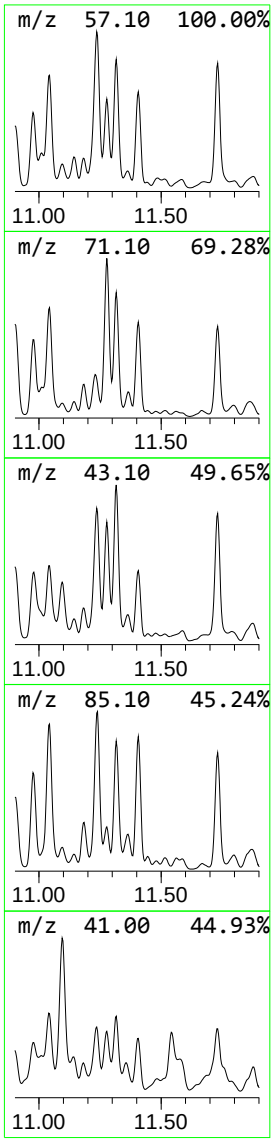
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 50 (DEL) Alkane: Straight-Chai... Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.403	27.28 ug/L	7503940	1,4-Dichlorobenzene-d4	11.185

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 3-methyl-	156	C11H24	013151-34-3	93
2	Carbonic acid, decyl nonyl ester	328	C20H40O3	1000383-15-8	64
3	Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	53
4	Undecane, 3-methyl-	170	C12H26	001002-43-3	50
5	Octane, 3,4,5,6-tetramethyl-	170	C12H26	062185-21-1	47





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV061324\
Data File : VV036072.D
Acq On : 13 Jun 2024 20:17
Operator : SY/MD
Sample : P2856-02
Misc : 3.33g/10.0mL/MSVOA_V/SOIL/A
ALS Vial : 31 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0SE4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
Quant Title : VOC Analysis

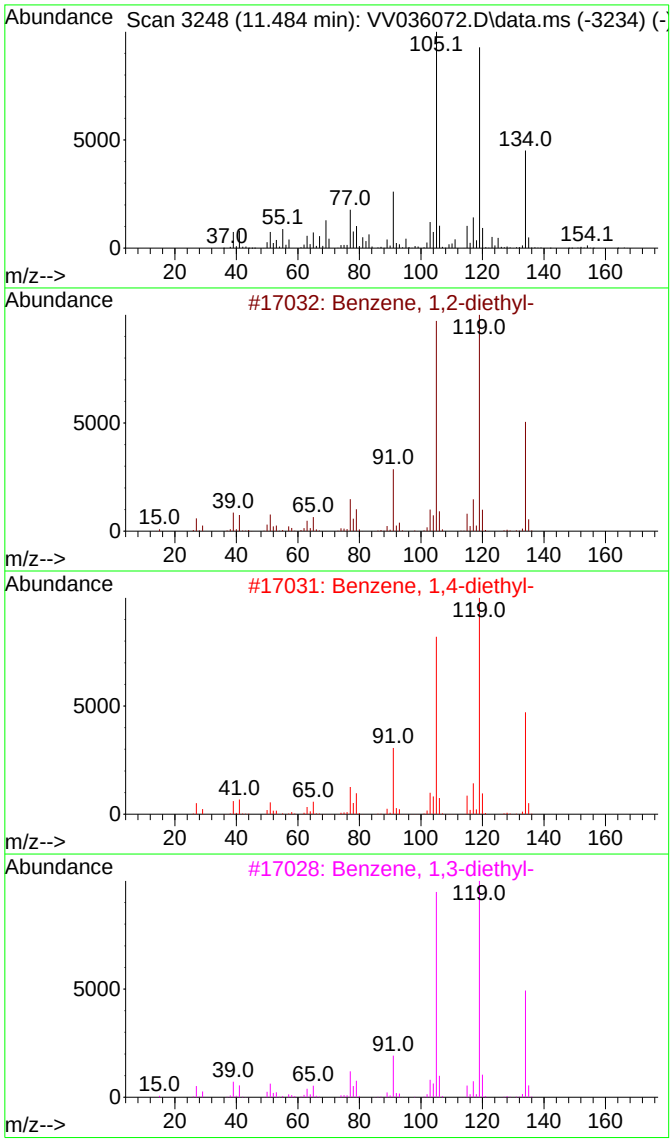
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

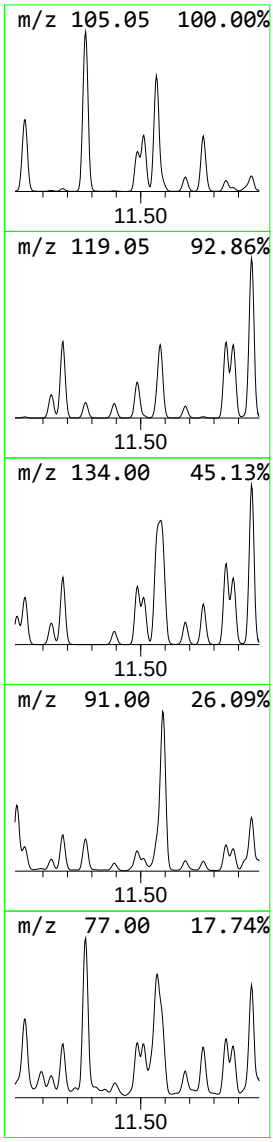
****

Peak Number 51 Benzene, 1,2-diethyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.484	29.34 ug/L	8071040	1,4-Dichlorobenzene-d4	11.185

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	96
2	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	96
3	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	95
4	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	94
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV061324\
Data File : VV036072.D
Acq On : 13 Jun 2024 20:17
Operator : SY/MD
Sample : P2856-02
Misc : 3.33g/10.0mL/MSVOA_V/SOIL/A
ALS Vial : 31 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0SE4

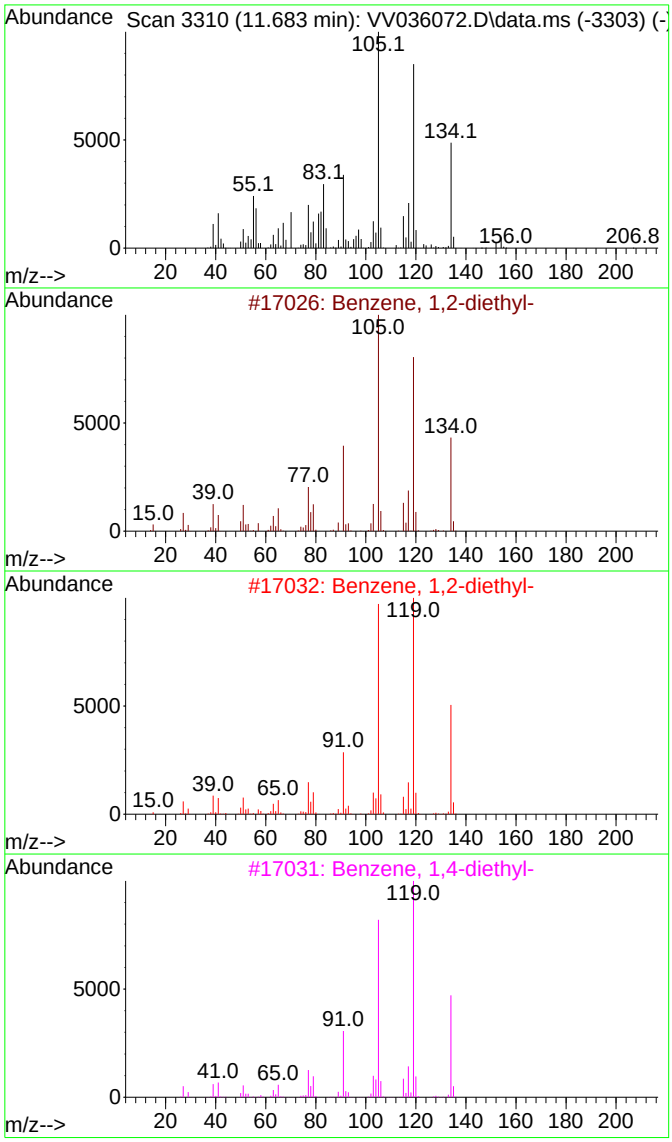
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
Quant Title : VOC Analysis

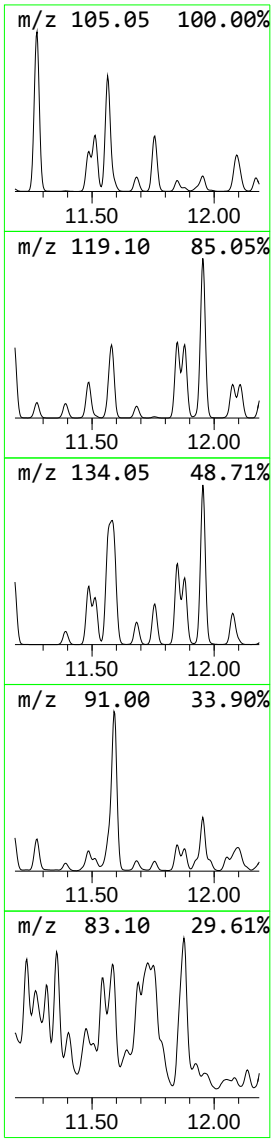
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 52 Benzene, 1,4-diethyl- Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.683	9.58 ug/L	2634960	1,4-Dichlorobenzene-d4	11.185

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	98
2	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	93
3	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	93
4	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	90
5	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	76





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV061324\
Data File : VV036072.D
Acq On : 13 Jun 2024 20:17
Operator : SY/MD
Sample : P2856-02
Misc : 3.33g/10.0mL/MSVOA_V/SOIL/A
ALS Vial : 31 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0SE4

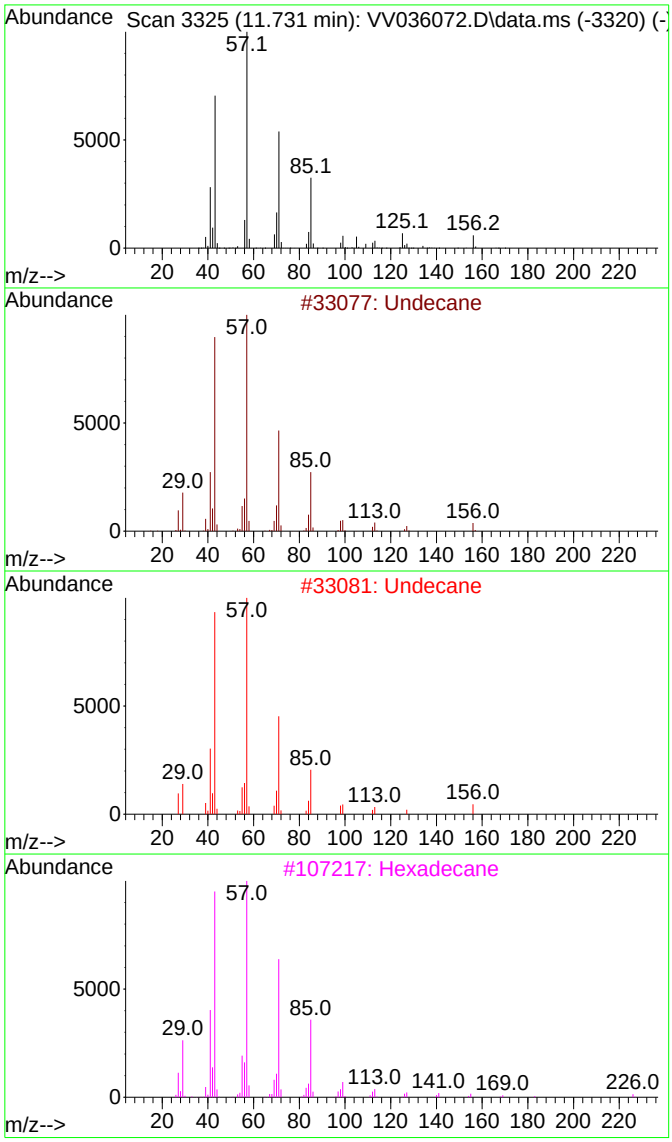
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
Quant Title : VOC Analysis

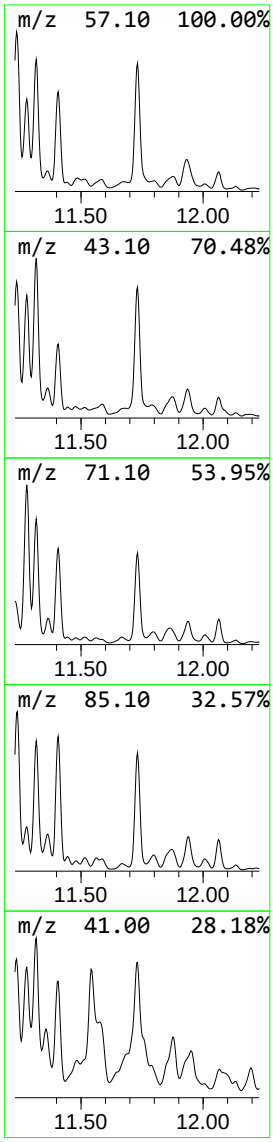
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 53 (DEL) Alkane: Straight-Chai... Concentration Rank 52

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.731	7.48 ug/L	2057970	1,4-Dichlorobenzene-d4	11.185

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane	156	C11H24	001120-21-4	91
2	Undecane	156	C11H24	001120-21-4	87
3	Hexadecane	226	C16H34	000544-76-3	80
4	Hexadecane	226	C16H34	000544-76-3	80
5	Pentadecane	212	C15H32	000629-62-9	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV061324\
Data File : VV036072.D
Acq On : 13 Jun 2024 20:17
Operator : SY/MD
Sample : P2856-02
Misc : 3.33g/10.0mL/MSVOA_V/SOIL/A
ALS Vial : 31 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0SE4

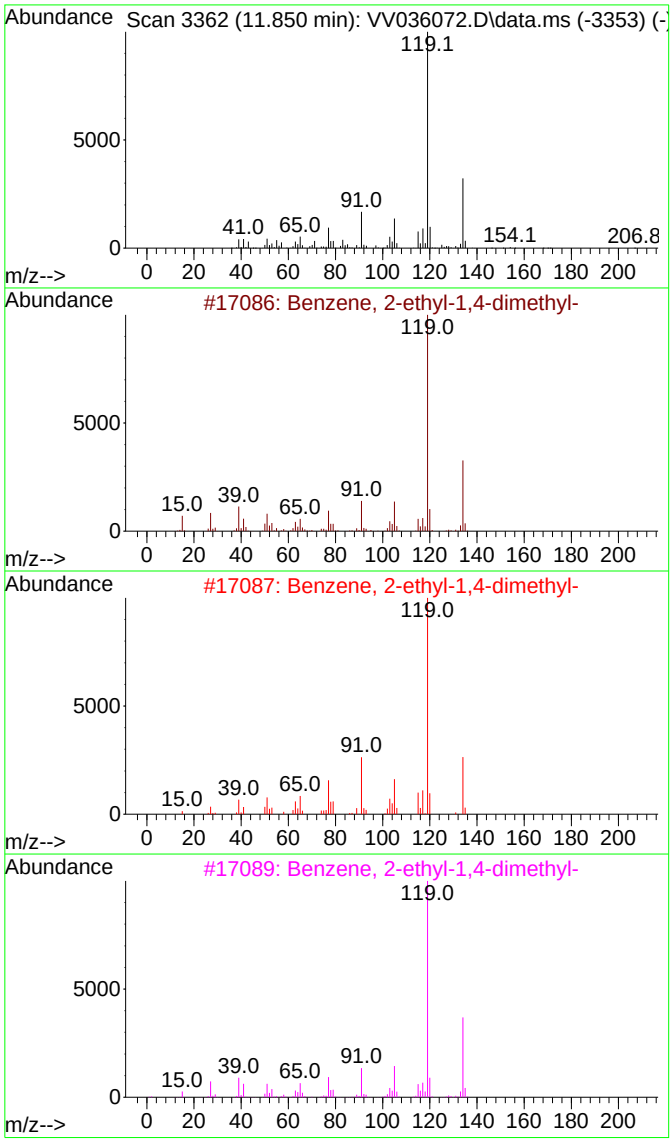
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
Quant Title : VOC Analysis

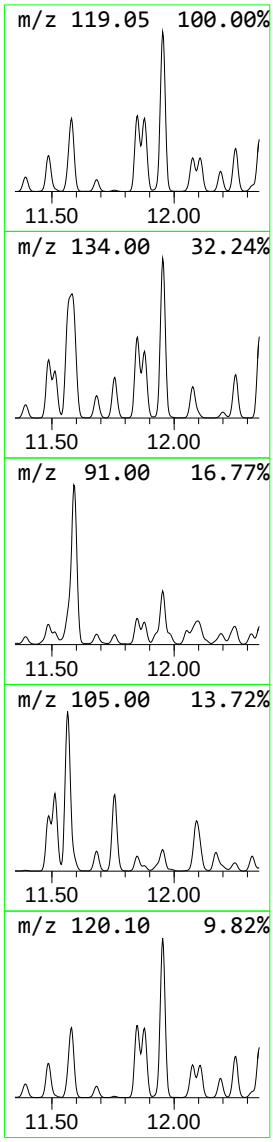
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 54 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.850	25.19 ug/L	6929560	1,4-Dichlorobenzene-d4	11.185

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	97
2	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	96
3	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95
5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV061324\
Data File : VV036072.D
Acq On : 13 Jun 2024 20:17
Operator : SY/MD
Sample : P2856-02
Misc : 3.33g/10.0mL/MSVOA_V/SOIL/A
ALS Vial : 31 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0SE4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
Quant Title : VOC Analysis

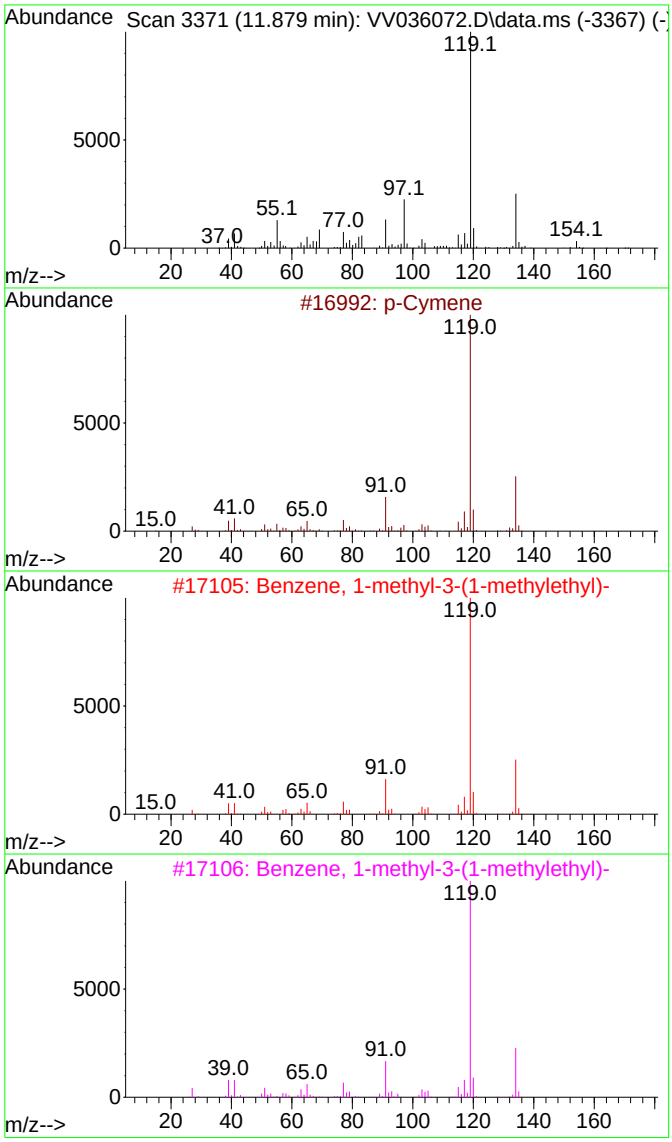
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

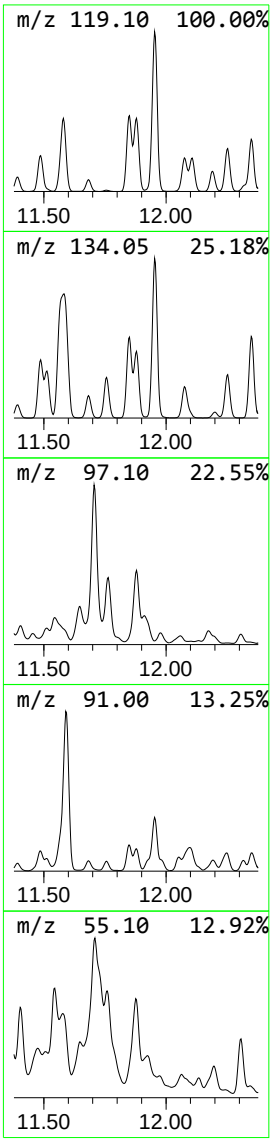
****

Peak Number 55 p-Cymene Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.879	23.78 ug/L	6540410	1,4-Dichlorobenzene-d4	11.185

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	p-Cymene	134	C10H14	000099-87-6	93
2	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	91
3	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	91
4	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	87
5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	87





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV061324\
Data File : VV036072.D
Acq On : 13 Jun 2024 20:17
Operator : SY/MD
Sample : P2856-02
Misc : 3.33g/10.0mL/MSVOA_V/SOIL/A
ALS Vial : 31 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0SE4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
Quant Title : VOC Analysis

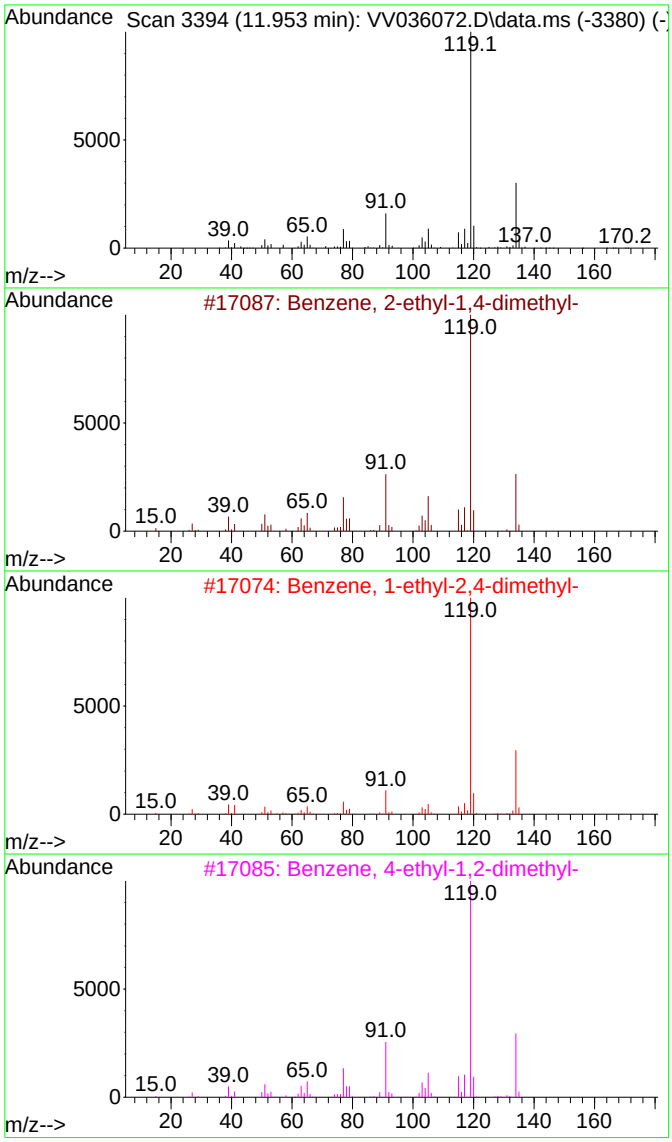
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

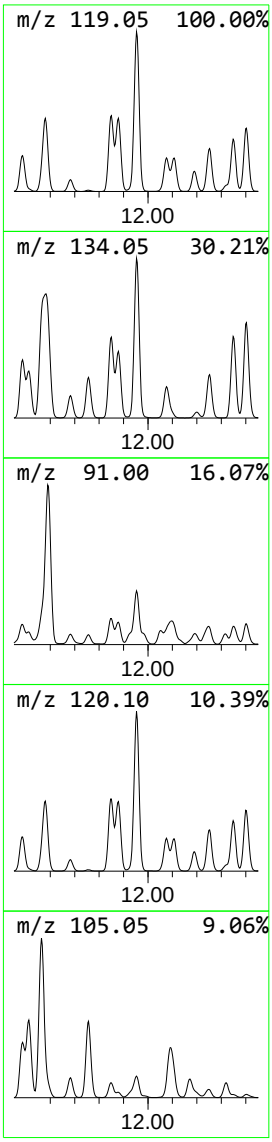
****

Peak Number 56 o-Cymene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.953	69.37 ug/L	19080900	1,4-Dichlorobenzene-d4	11.185

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	96
2	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	95
3	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95
4	o-Cymene	134	C10H14	000527-84-4	95
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV061324\
Data File : VV036072.D
Acq On : 13 Jun 2024 20:17
Operator : SY/MD
Sample : P2856-02
Misc : 3.33g/10.0mL/MSVOA_V/SOIL/A
ALS Vial : 31 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0SE4

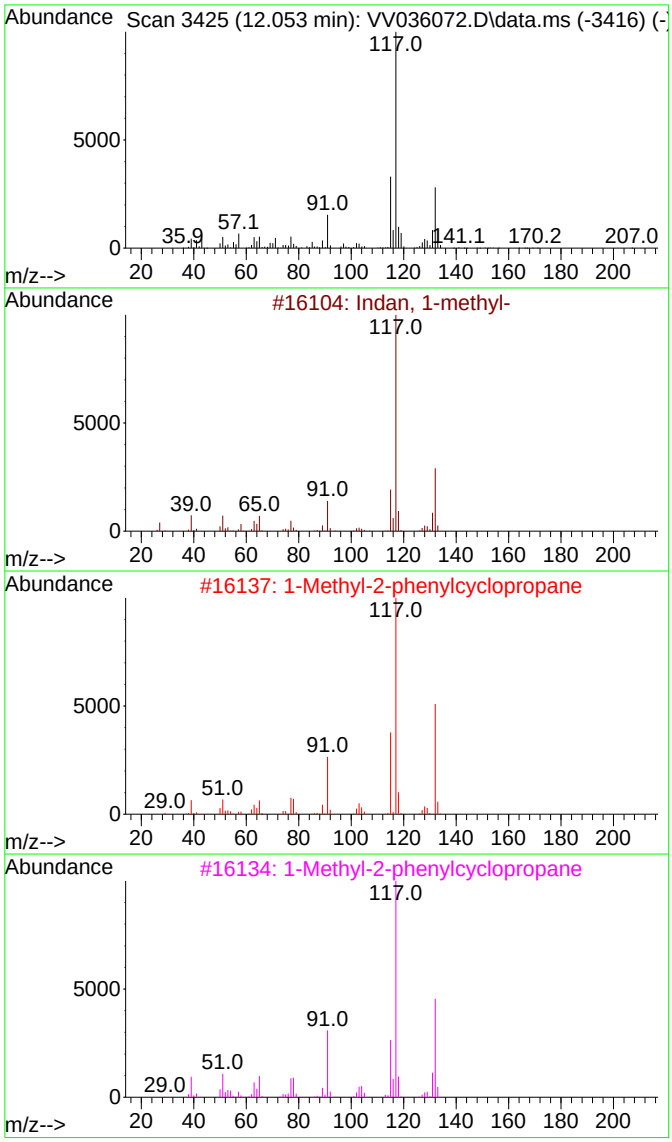
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
Quant Title : VOC Analysis

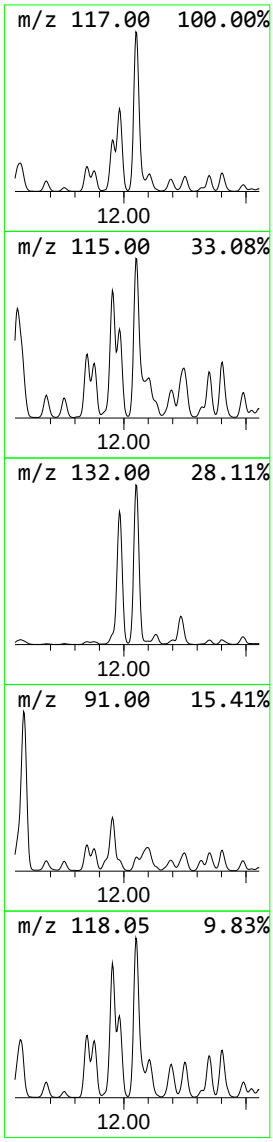
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 57 Indan, 1-methyl- Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.053	17.05 ug/L	4689090	1,4-Dichlorobenzene-d4	11.185

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indan, 1-methyl-	132	C10H12	000767-58-8	90
2	1-Methyl-2-phenylcyclopropane	132	C10H12	003145-76-4	87
3	1-Methyl-2-phenylcyclopropane	132	C10H12	003145-76-4	87
4	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	87
5	Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	86





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV061324\
Data File : VV036072.D
Acq On : 13 Jun 2024 20:17
Operator : SY/MD
Sample : P2856-02
Misc : 3.33g/10.0mL/MSVOA_V/SOIL/A
ALS Vial : 31 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0SE4

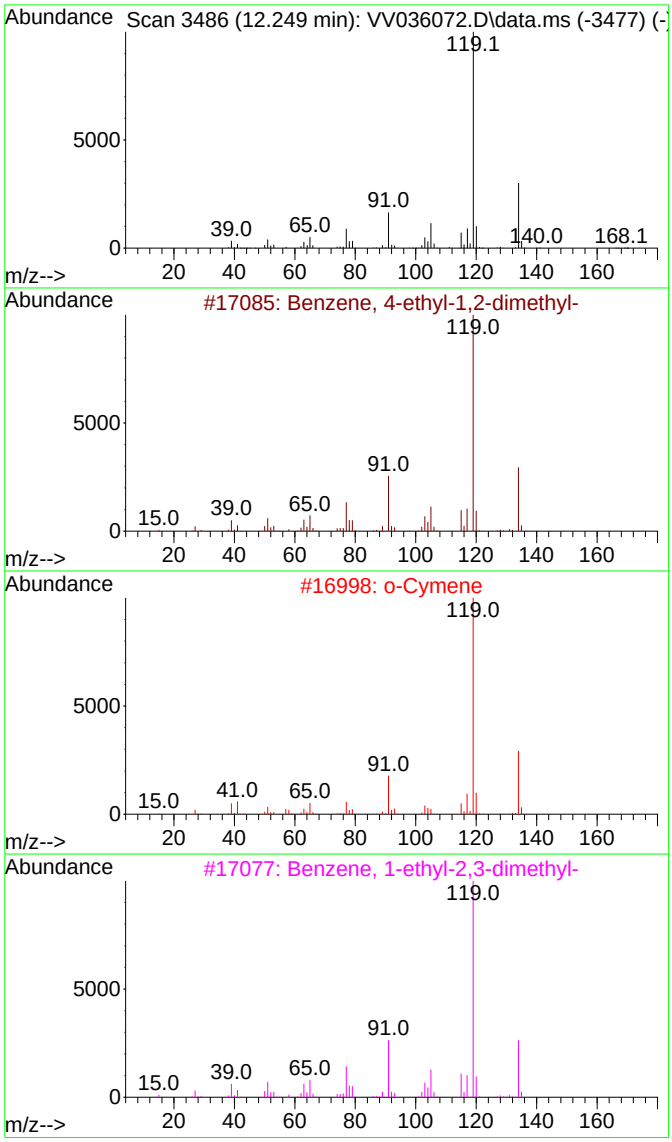
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
Quant Title : VOC Analysis

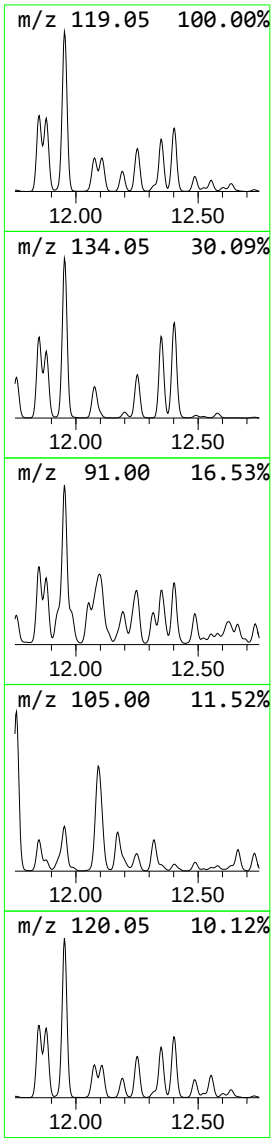
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 59 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.249	20.13 ug/L	5535980	1,4-Dichlorobenzene-d4	11.185

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	96
2	o-Cymene	134	C10H14	000527-84-4	95
3	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95
4	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	94
5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	94





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV061324\
Data File : VV036072.D
Acq On : 13 Jun 2024 20:17
Operator : SY/MD
Sample : P2856-02
Misc : 3.33g/10.0mL/MSVOA_V/SOIL/A
ALS Vial : 31 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0SE4

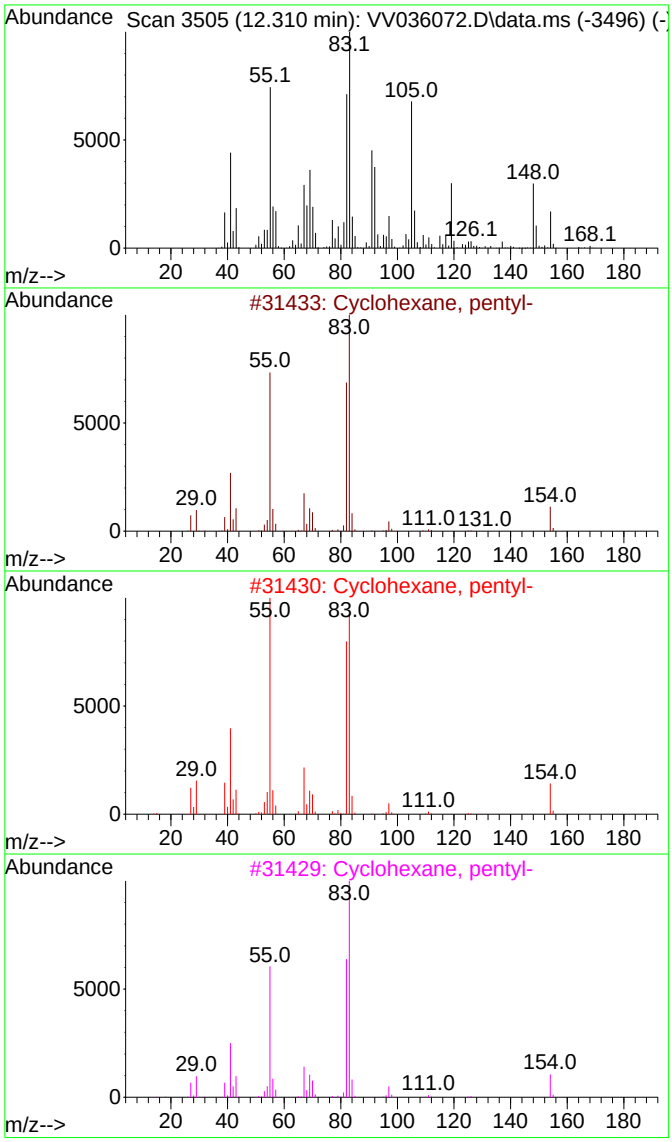
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
Quant Title : VOC Analysis

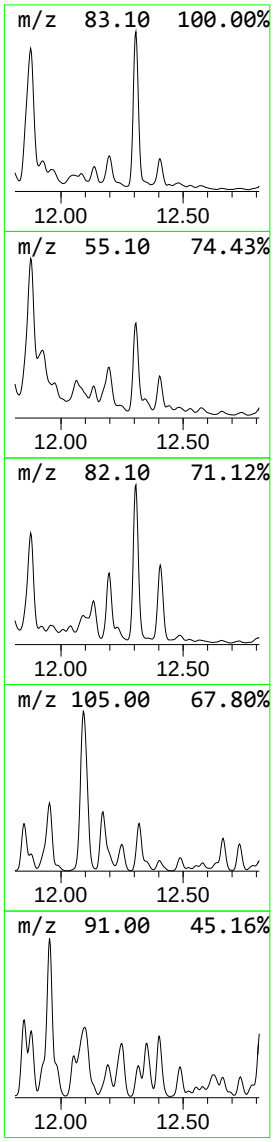
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 60 (DEL) Alkane: Cyclic12.310 Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.310	12.71 ug/L	3497100	1,4-Dichlorobenzene-d4	11.185

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, pentyl-	154	C11H22	004292-92-6	49
2	Cyclohexane, pentyl-	154	C11H22	004292-92-6	47
3	Cyclohexane, pentyl-	154	C11H22	004292-92-6	47
4	Cyclohexane, octyl-	196	C14H28	001795-15-9	43
5	Cyclohexane, (4-methylpentyl)-	168	C12H24	061142-20-9	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV061324\
Data File : VV036072.D
Acq On : 13 Jun 2024 20:17
Operator : SY/MD
Sample : P2856-02
Misc : 3.33g/10.0mL/MSVOA_V/SOIL/A
ALS Vial : 31 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0SE4

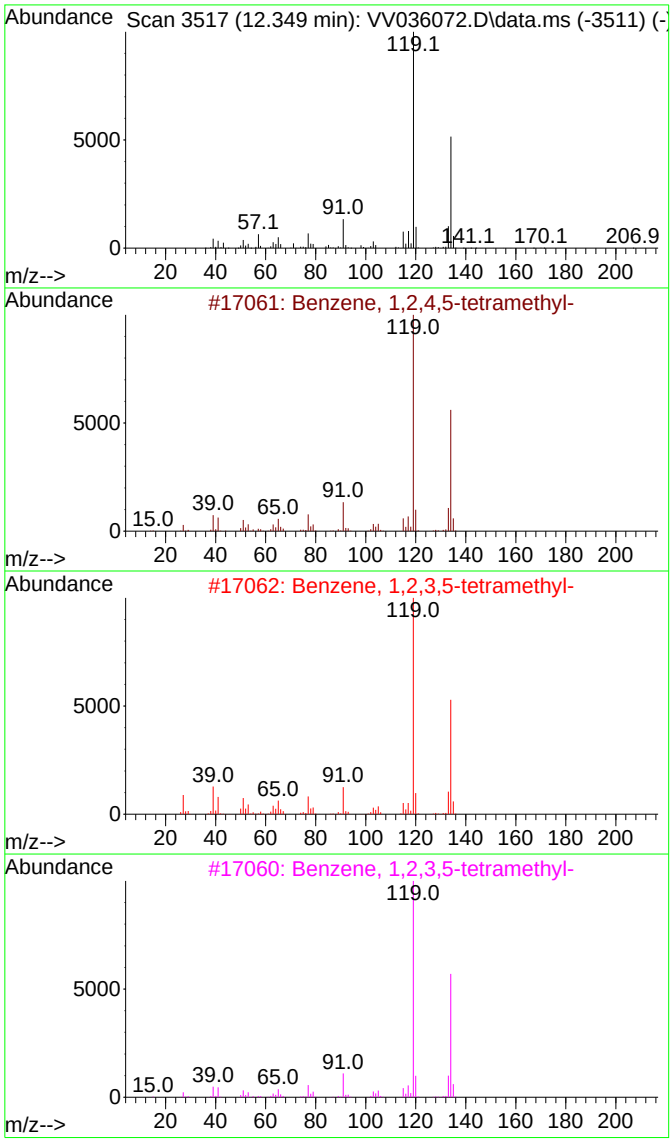
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
Quant Title : VOC Analysis

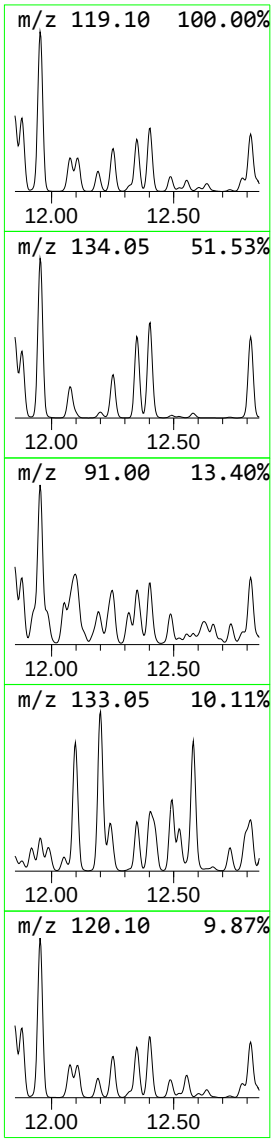
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 61 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.349	16.81 ug/L	4623370	1,4-Dichlorobenzene-d4	11.185

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	97
2	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95
3	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95
4	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95
5	o-Cymene	134	C10H14	000527-84-4	95





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV061324\
Data File : VV036072.D
Acq On : 13 Jun 2024 20:17
Operator : SY/MD
Sample : P2856-02
Misc : 3.33g/10.0mL/MSVOA_V/SOIL/A
ALS Vial : 31 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0SE4

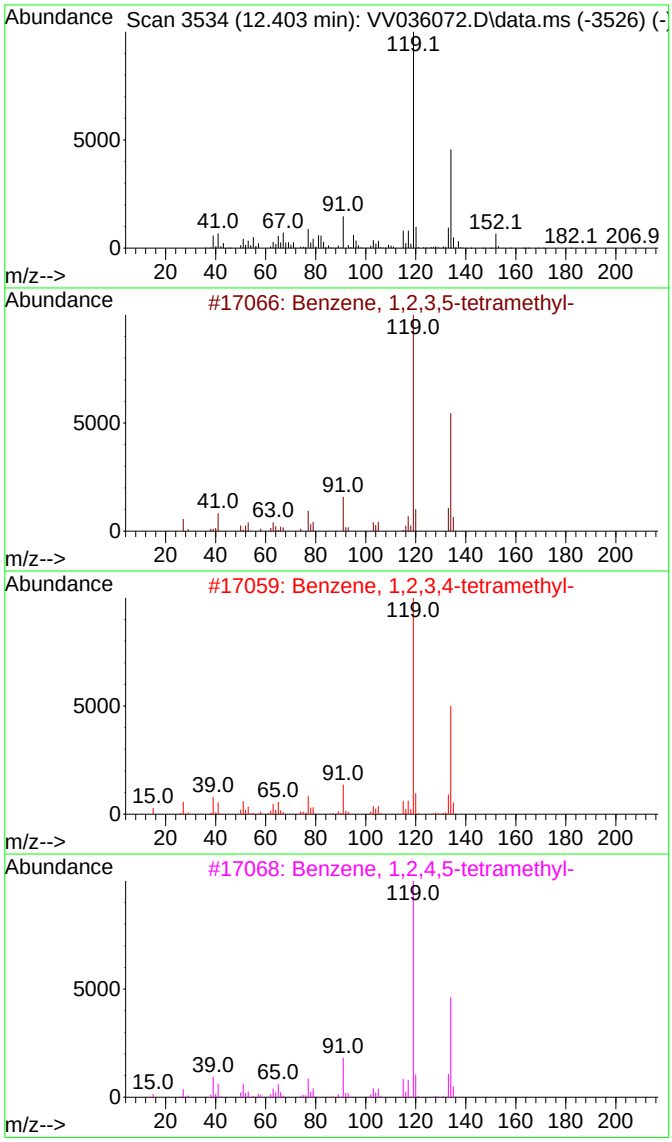
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
Quant Title : VOC Analysis

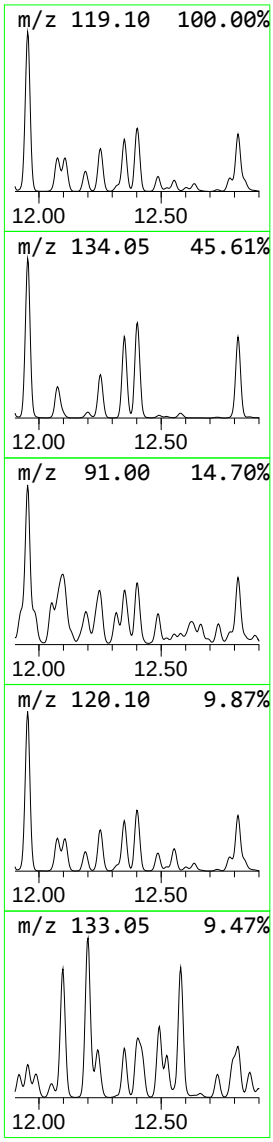
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 62 Benzene, 1,2,3,5-tetramethyl- Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.403	25.73 ug/L	7075860	1,4-Dichlorobenzene-d4	11.185

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95
2	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	94
3	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	94
4	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	94
5	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	94





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV061324\
Data File : VV036072.D
Acq On : 13 Jun 2024 20:17
Operator : SY/MD
Sample : P2856-02
Misc : 3.33g/10.0mL/MSVOA_V/SOIL/A
ALS Vial : 31 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0SE4

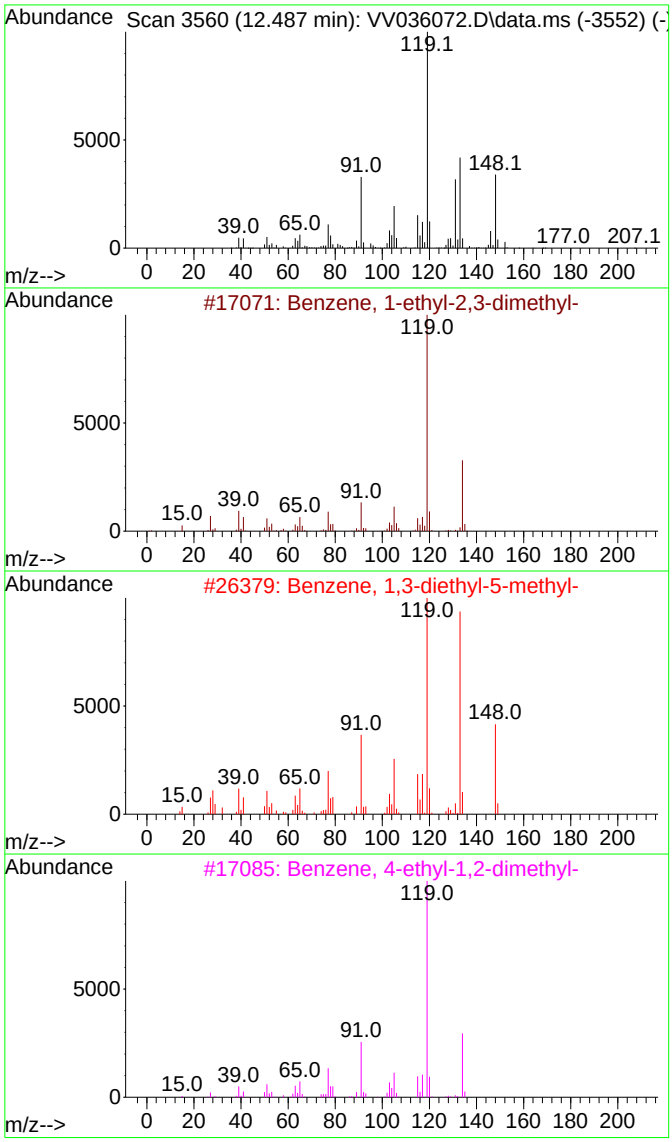
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
Quant Title : VOC Analysis

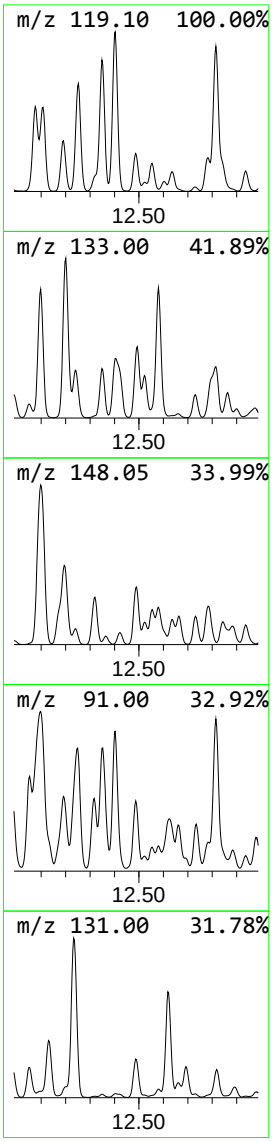
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 63 Benzene, 1,3-diethyl-5-methyl- Concentration Rank 55

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.487	6.87 ug/L	1889880	1,4-Dichlorobenzene-d4	11.185

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	55
2	Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	52
3	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	50
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	50
5	Disiloxane, 1,1,3,3-tetramethyl-	134	C4H14OSi2	003277-26-7	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV061324\
Data File : VV036072.D
Acq On : 13 Jun 2024 20:17
Operator : SY/MD
Sample : P2856-02
Misc : 3.33g/10.0mL/MSVOA_V/SOIL/A
ALS Vial : 31 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0SE4

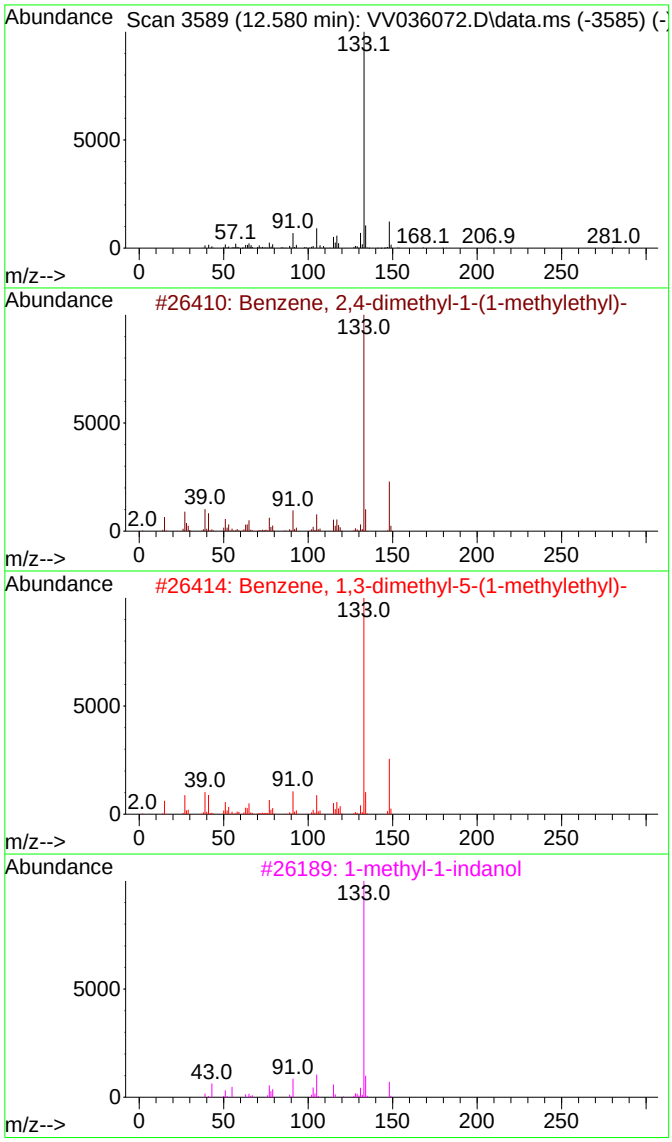
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
Quant Title : VOC Analysis

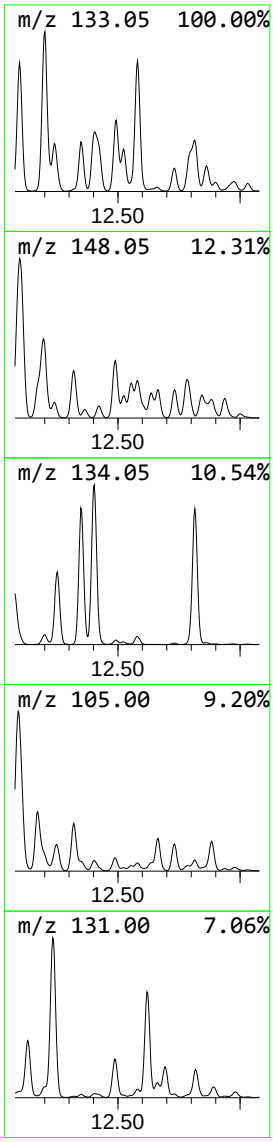
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 64 Benzene, 2,4-dimethyl-1-(1-... Concentration Rank 69

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.580	2.08 ug/L	572761	1,4-Dichlorobenzene-d4	11.185

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2,4-dimethyl-1-(1-methy...	148	C11H16	004706-89-2	87
2	Benzene, 1,3-dimethyl-5-(1-methy...	148	C11H16	004706-90-5	87
3	1-methyl-1-indanol	148	C10H12O	064666-42-8	86
4	Benzene, pentamethyl-	148	C11H16	000700-12-9	80
5	Benzene, 1-ethyl-3-(1-methylethyl)-	148	C11H16	004920-99-4	78





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV061324\
Data File : VV036072.D
Acq On : 13 Jun 2024 20:17
Operator : SY/MD
Sample : P2856-02
Misc : 3.33g/10.0mL/MSVOA_V/SOIL/A
ALS Vial : 31 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0SE4

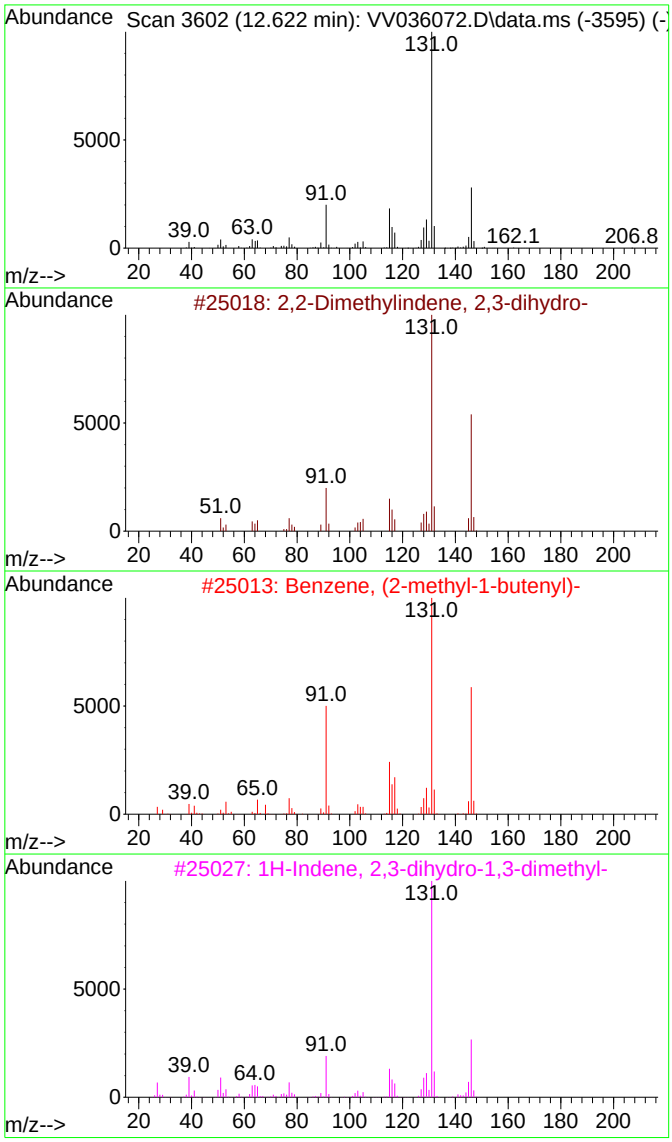
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
Quant Title : VOC Analysis

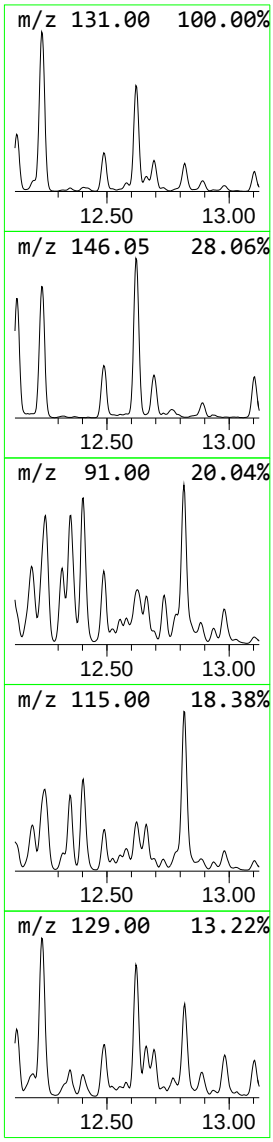
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 65 2,2-Dimethylindene, 2,3-dih... Concentration Rank 57

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.622	4.31 ug/L	1185280	1,4-Dichlorobenzene-d4	11.185

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	95
2	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	94
3	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	91
4	Benzene, 1-methyl-2-(1-methyl-2-...	146	C11H14	097664-19-2	91
5	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV061324\
Data File : VV036072.D
Acq On : 13 Jun 2024 20:17
Operator : SY/MD
Sample : P2856-02
Misc : 3.33g/10.0mL/MSVOA_V/SOIL/A
ALS Vial : 31 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0SE4

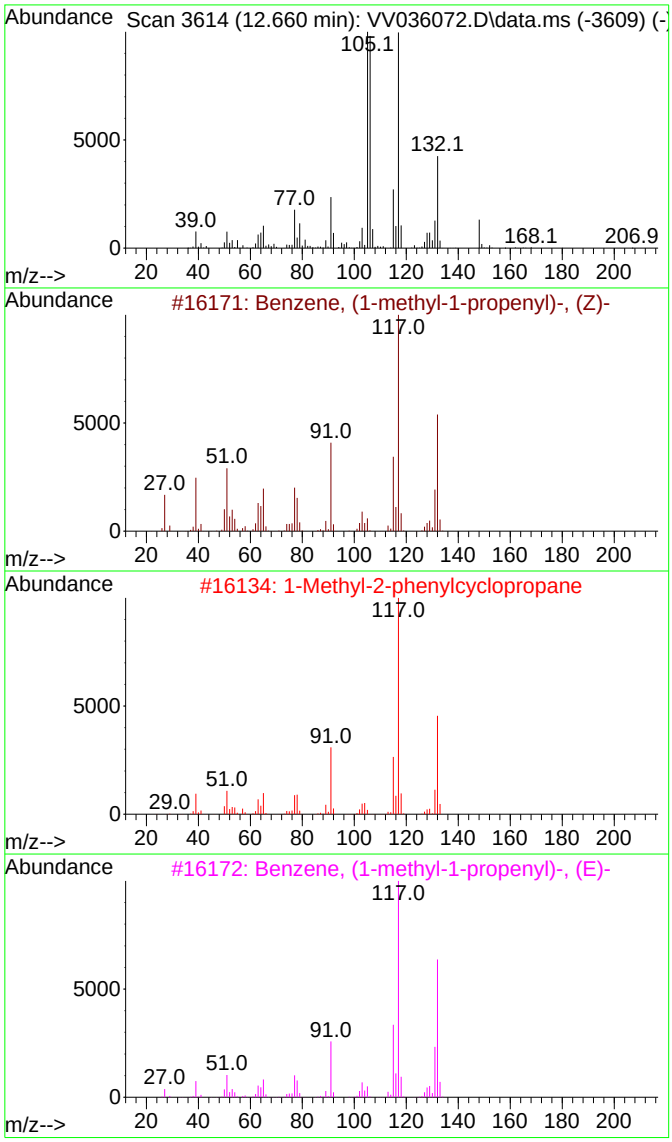
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
Quant Title : VOC Analysis

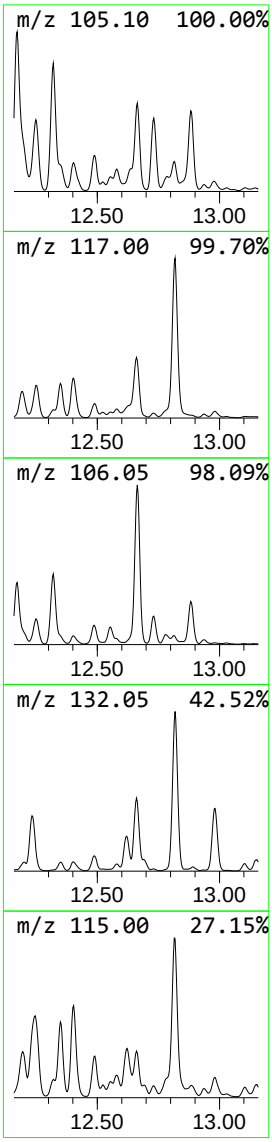
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 66 Benzene, (1-methyl-1-propen... Concentration Rank 56

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.660	6.27 ug/L	1724040	1,4-Dichlorobenzene-d4	11.185

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000767-99-7	60
2	1-Methyl-2-phenylcyclopropane	132	C10H12	003145-76-4	60
3	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	60
4	1-Phenyl-1-butene	132	C10H12	000824-90-8	60
5	Benzene, 2-butenyl-	132	C10H12	001560-06-1	60





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV061324\
Data File : VV036072.D
Acq On : 13 Jun 2024 20:17
Operator : SY/MD
Sample : P2856-02
Misc : 3.33g/10.0mL/MSVOA_V/SOIL/A
ALS Vial : 31 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0SE4

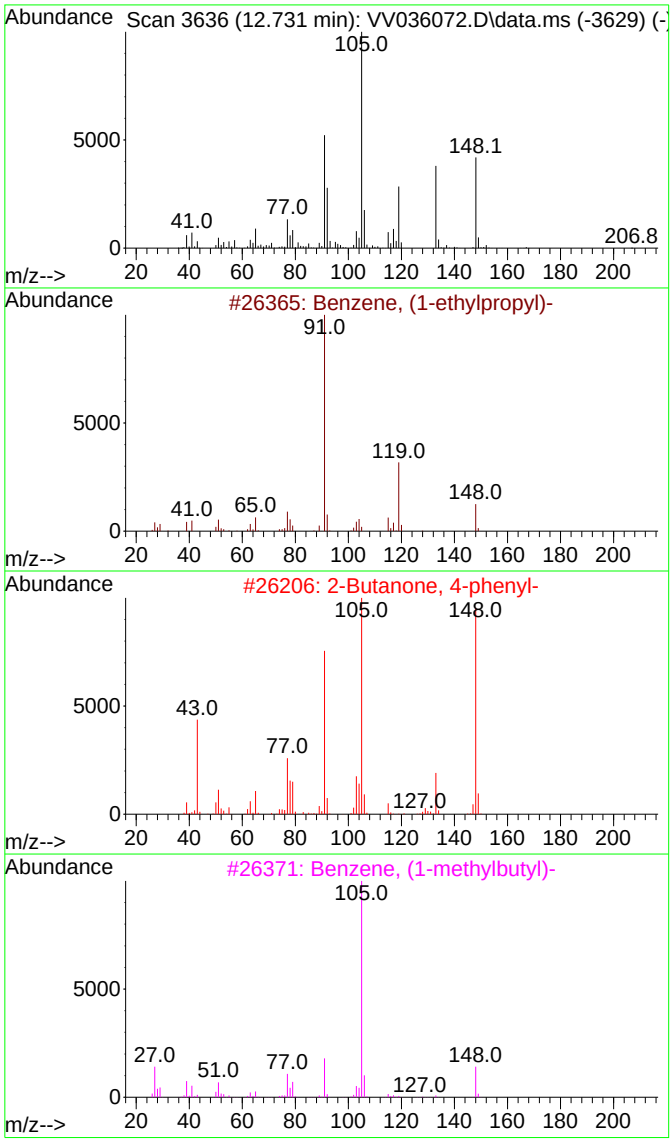
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
Quant Title : VOC Analysis

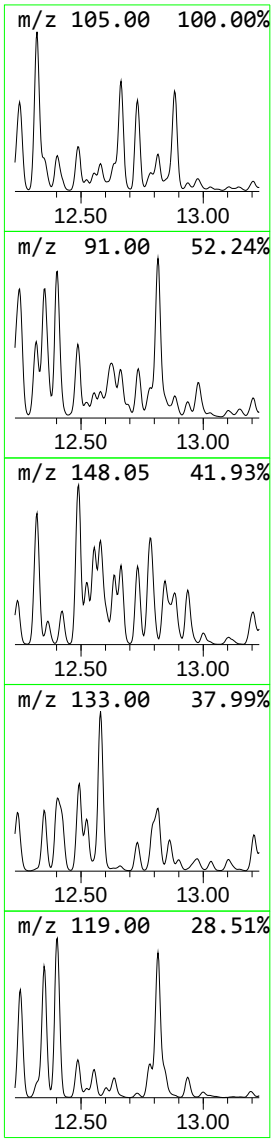
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 67 Benzene, (1-ethylpropyl)- Concentration Rank 64

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.731	2.66 ug/L	732216	1,4-Dichlorobenzene-d4	11.185

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-ethylpropyl)-	148	C11H16	001196-58-3	50
2	2-Butanone, 4-phenyl-	148	C10H12O	002550-26-7	43
3	Benzene, (1-methylbutyl)-	148	C11H16	002719-52-0	43
4	N-Benzyl-2,4,6-trimethylbenzenes...	331	C18H21NO3S	1000493-74-9	38
5	2-Methylindan-2-ol	148	C10H12O	033223-84-6	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV061324\
Data File : VV036072.D
Acq On : 13 Jun 2024 20:17
Operator : SY/MD
Sample : P2856-02
Misc : 3.33g/10.0mL/MSVOA_V/SOIL/A
ALS Vial : 31 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0SE4

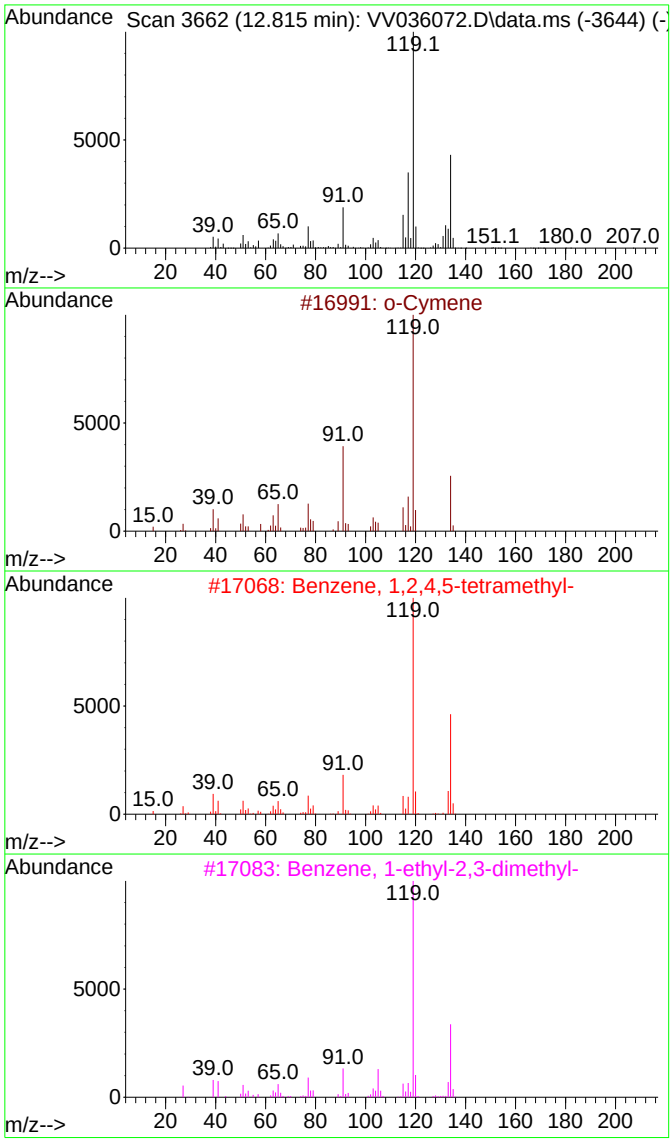
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
Quant Title : VOC Analysis

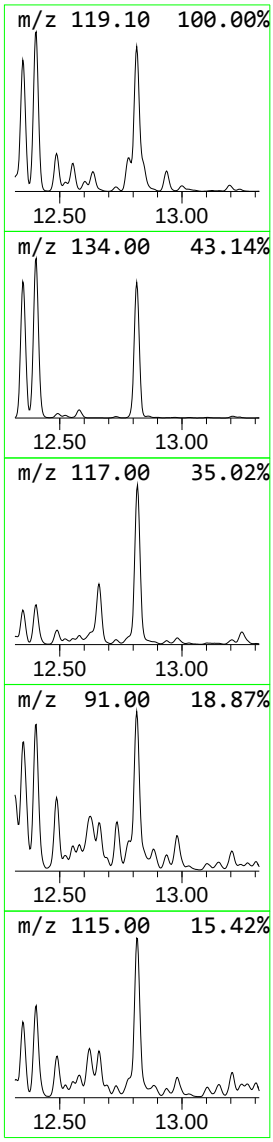
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 68 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.815	30.58 ug/L	8411160	1,4-Dichlorobenzene-d4	11.185

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	81
2	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	81
3	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	81
4	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	81
5	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	81





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV061324\
Data File : VV036072.D
Acq On : 13 Jun 2024 20:17
Operator : SY/MD
Sample : P2856-02
Misc : 3.33g/10.0mL/MSVOA_V/SOIL/A
ALS Vial : 31 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0SE4

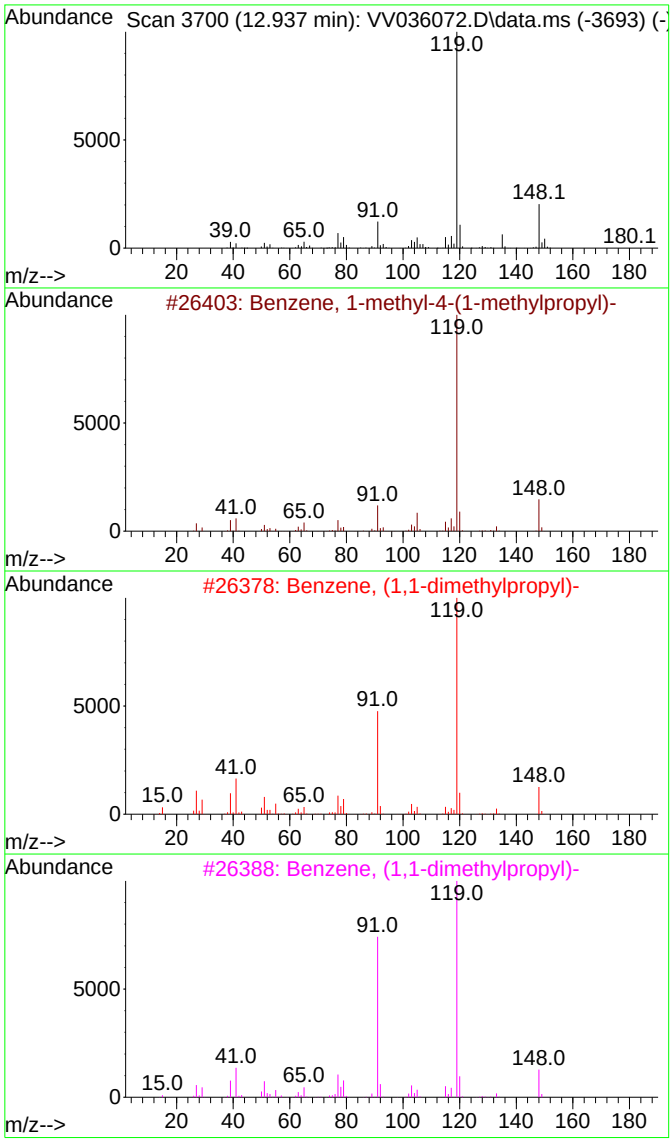
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
Quant Title : VOC Analysis

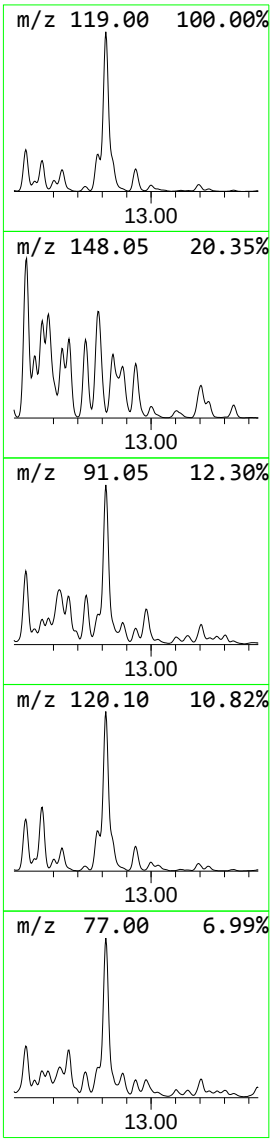
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 69 Benzene, 1-methyl-4-(1-meth... Concentration Rank 70

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.937	1.78 ug/L	489991	1,4-Dichlorobenzene-d4	11.185

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	90
2	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	78
3	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	78
4	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	64
5	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV061324\
Data File : VV036072.D
Acq On : 13 Jun 2024 20:17
Operator : SY/MD
Sample : P2856-02
Misc : 3.33g/10.0mL/MSVOA_V/SOIL/A
ALS Vial : 31 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0SE4

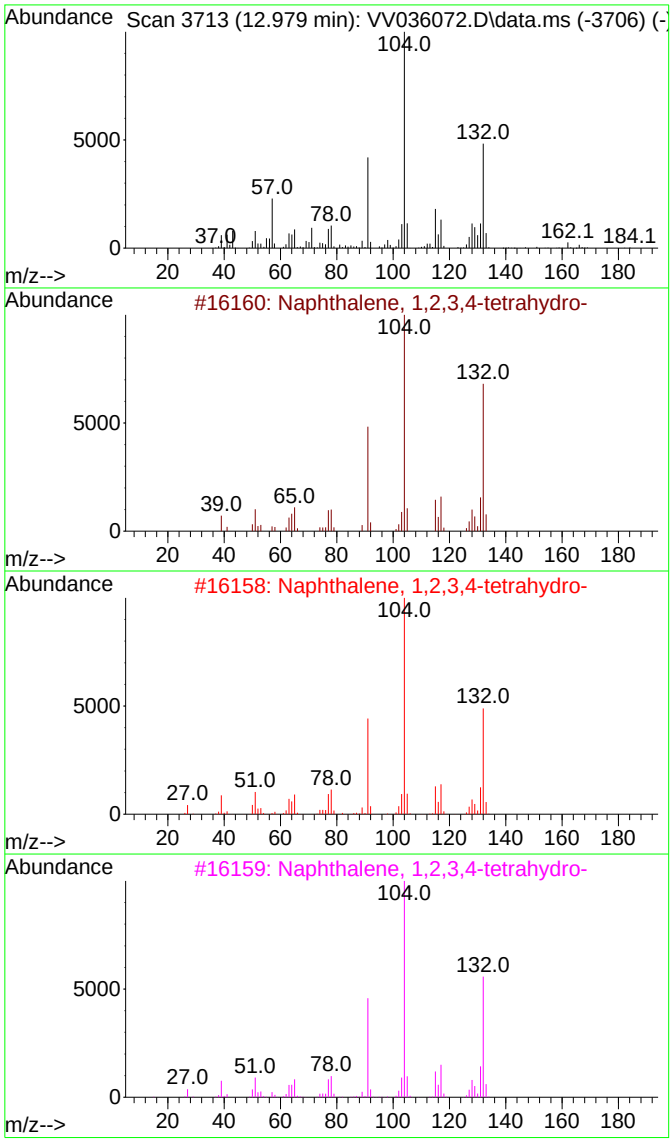
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
Quant Title : VOC Analysis

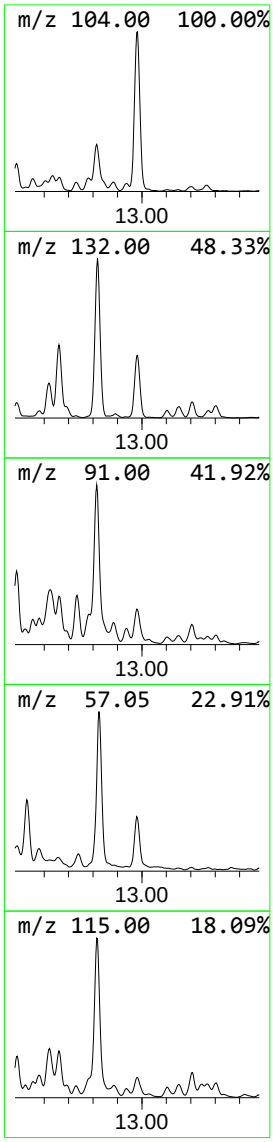
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 70 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 62

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.979	3.16 ug/L	868459	1,4-Dichlorobenzene-d4	11.185

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	96
2	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	95
3	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	95
4	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	93
5	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	90





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV061324\
Data File : VV036072.D
Acq On : 13 Jun 2024 20:17
Operator : SY/MD
Sample : P2856-02
Misc : 3.33g/10.0mL/MSVOA_V/SOIL/A
ALS Vial : 31 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0SE4

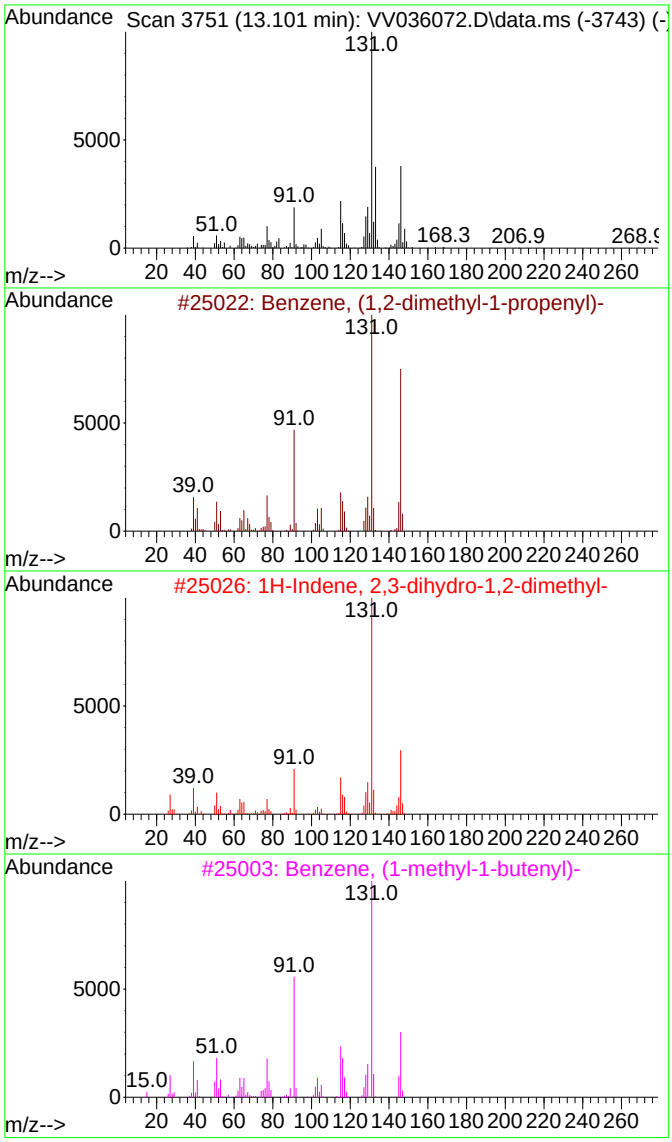
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
Quant Title : VOC Analysis

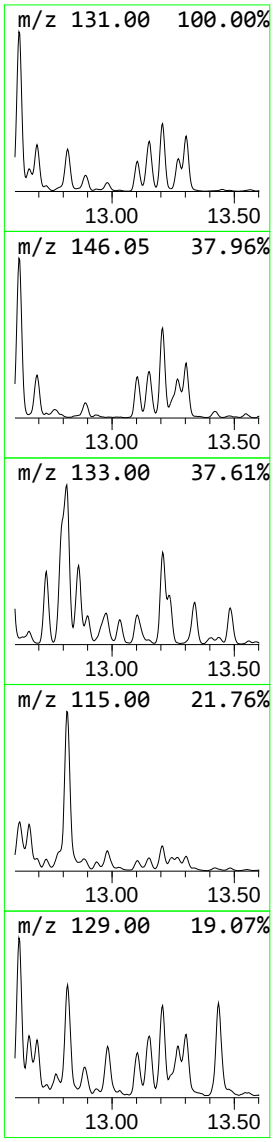
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 71 Benzene, (1,2-dimethyl-1-pr... Concentration Rank 73

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.101	1.28 ug/L	350988	1,4-Dichlorobenzene-d4	11.185

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	94
2	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	91
3	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	90
4	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	81
5	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	76





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV061324\
Data File : VV036072.D
Acq On : 13 Jun 2024 20:17
Operator : SY/MD
Sample : P2856-02
Misc : 3.33g/10.0mL/MSVOA_V/SOIL/A
ALS Vial : 31 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0SE4

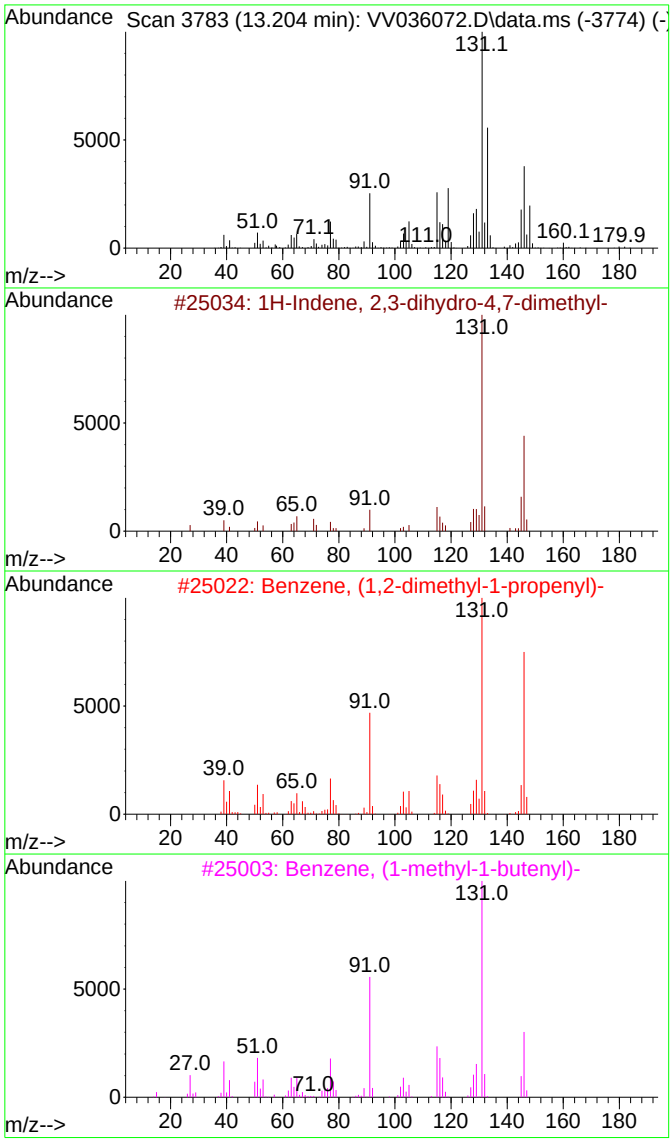
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
Quant Title : VOC Analysis

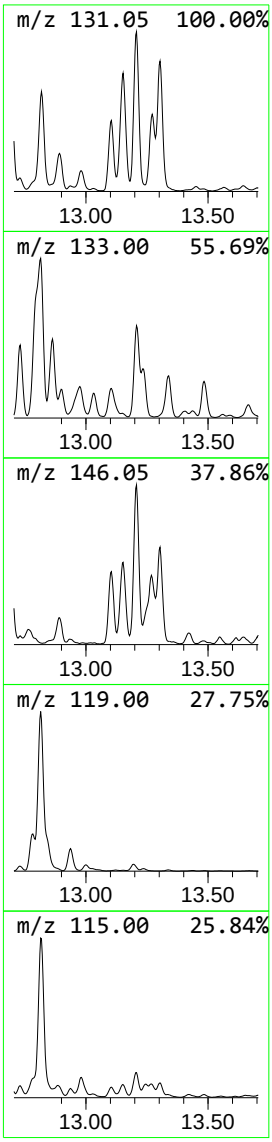
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 72 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 61

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.204	3.31 ug/L	909564	1,4-Dichlorobenzene-d4	11.185

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	90
2	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	90
3	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	83
4	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	78
5	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	78





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV061324\
Data File : VV036072.D
Acq On : 13 Jun 2024 20:17
Operator : SY/MD
Sample : P2856-02
Misc : 3.33g/10.0mL/MSVOA_V/SOIL/A
ALS Vial : 31 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0SE4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
Quant Title : VOC Analysis

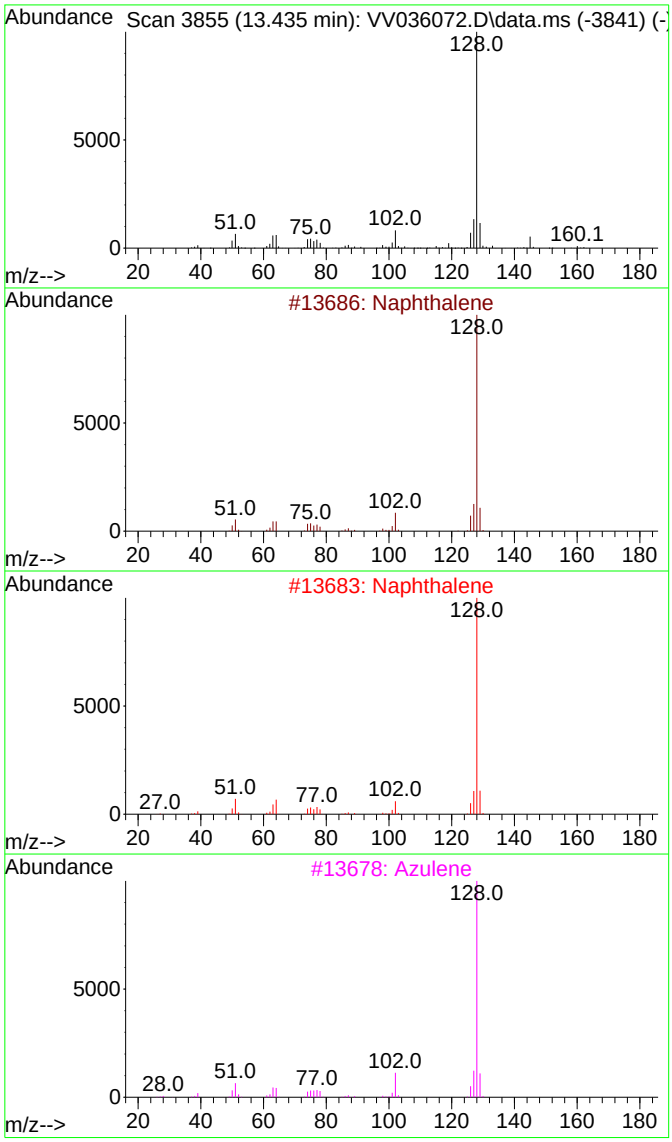
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

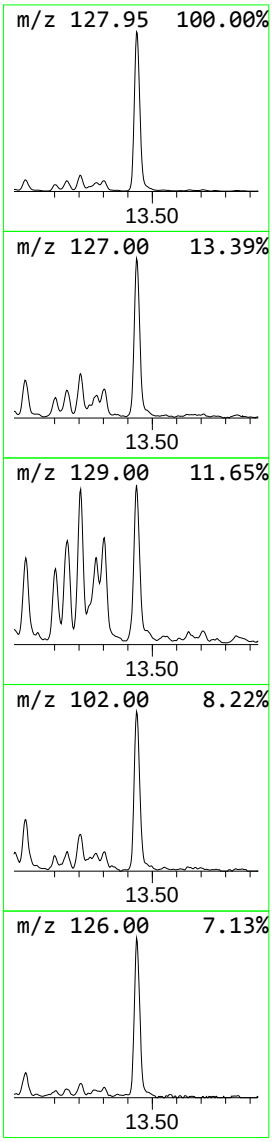
****

Peak Number 73 Azulene Concentration Rank 63

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.435	2.70 ug/L	743318	1,4-Dichlorobenzene-d4	11.185

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene	128	C10H8	000091-20-3	94
2	Naphthalene	128	C10H8	000091-20-3	94
3	Azulene	128	C10H8	000275-51-4	93
4	Naphthalene	128	C10H8	000091-20-3	90
5	Azulene	128	C10H8	000275-51-4	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV061324\
Data File : VV036072.D
Acq On : 13 Jun 2024 20:17
Operator : SY/MD
Sample : P2856-02
Misc : 3.33g/10.0mL/MSVOA_V/SOIL/A
ALS Vial : 31 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0SE4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
Quant Title : VOC Analysis

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
(DEL) Alkane: S...	5.407	2.3	ug/L	122367	1	5.529	1345700	25.0
(DEL) Alkane: C...	6.381	3.3	ug/L	179423	1	5.529	1345700	25.0
(DEL) Alkane: C...	6.551	4.2	ug/L	227512	1	5.529	1345700	25.0
(DEL) Alkane: S...	6.841	11.8	ug/L	636521	1	5.529	1345700	25.0
(DEL) Alkane: S...	7.005	8.0	ug/L	428651	1	5.529	1345700	25.0
(DEL) Alkane: S...	7.091	2.3	ug/L	124541	1	5.529	1345700	25.0
(DEL) Alkane: C...	7.188	21.4	ug/L	1792110	2	8.783	2094730	25.0
(DEL) Alkane: C...	7.368	3.8	ug/L	314456	2	8.783	2094730	25.0
(DEL) Alkane: C...	7.439	2.1	ug/L	178068	2	8.783	2094730	25.0
(DEL) Alkane: S...	7.497	8.0	ug/L	667633	2	8.783	2094730	25.0
(DEL) Alkane: C...	7.712	7.8	ug/L	651851	2	8.783	2094730	25.0
(DEL) Alkane: C...	7.776	1.4	ug/L	115418	2	8.783	2094730	25.0
(DEL) Alkane: S...	7.837	1.6	ug/L	134992	2	8.783	2094730	25.0
(DEL) Alkane: S...	7.908	7.0	ug/L	586262	2	8.783	2094730	25.0
(DEL) Alkane: C...	8.156	32.4	ug/L	2716950	2	8.783	2094730	25.0
(DEL) Alkane: C...	8.220	41.9	ug/L	3509320	2	8.783	2094730	25.0
(DEL) Alkane: C...	8.281	81.7	ug/L	6846880	2	8.783	2094730	25.0
(DEL) Alkane: C...	8.439	13.3	ug/L	1115480	2	8.783	2094730	25.0
(DEL) Alkane: C...	8.522	127.2	ug/L	10653500	2	8.783	2094730	25.0
(DEL) Alkane: S...	8.603	93.5	ug/L	7838270	2	8.783	2094730	25.0
(DEL) Alkane: C...	8.654	2.4	ug/L	197914	2	8.783	2094730	25.0
(DEL) Alkane: S...	8.725	105.9	ug/L	8874050	2	8.783	2094730	25.0
Pentalene, octa...	8.857	26.4	ug/L	2209030	2	8.783	2094730	25.0
(DEL) Alkane: C...	8.924	57.8	ug/L	4839740	2	8.783	2094730	25.0
(DEL) Alkane: C...	9.040	133.7	ug/L	11204100	2	8.783	2094730	25.0
(DEL) Alkane: C...	9.091	180.5	ug/L	15127100	2	8.783	2094730	25.0
(DEL) Alkane: C...	9.133	160.0	ug/L	13405700	2	8.783	2094730	25.0
unknown-01	9.249	64.4	ug/L	5399380	2	8.783	2094730	25.0
(DEL) Alkane: C...	9.410	371.7	ug/L	31141400	2	8.783	2094730	25.0
(DEL) Alkane: C...	9.490	17.0	ug/L	1428040	2	8.783	2094730	25.0
(DEL) Alkane: S...	9.516	46.9	ug/L	3926590	2	8.783	2094730	25.0
(DEL) Alkane: S...	9.651	542.8	ug/L	45476500	2	8.783	2094730	25.0
(DEL) Alkane: C...	9.738	587.4	ug/L	49214200	2	8.783	2094730	25.0
(DEL) Alkane: S...	9.792	167.6	ug/L	14041500	2	8.783	2094730	25.0
(DEL) Alkane: S...	9.960	150.6	ug/L	12621600	2	8.783	2094730	25.0
(DEL) Alkane: S...	10.030	85.4	ug/L	23488300	3	11.185	6876330	25.0
unknown-02	10.063	74.1	ug/L	20382400	3	11.185	6876330	25.0
Benzene, propyl-	10.291	7.0	ug/L	1913610	3	11.185	6876330	25.0
(DEL) Alkane: C...	10.336	46.0	ug/L	12667400	3	11.185	6876330	25.0
(DEL) Alkane: C...	10.394	59.7	ug/L	16422700	3	11.185	6876330	25.0
(DEL) Alkane: C...	10.625	15.9	ug/L	4374030	3	11.185	6876330	25.0
Aziridine, 1-(2...	10.667	39.6	ug/L	10904900	3	11.185	6876330	25.0
(DEL) Alkane: S...	10.776	12.6	ug/L	3477940	3	11.185	6876330	25.0
(DEL) Alkane: S...	10.982	25.6	ug/L	7052090	3	11.185	6876330	25.0
(DEL) Alkane: C...	11.095	65.3	ug/L	17975900	3	11.185	6876330	25.0
(DEL) Alkane: S...	11.236	20.9	ug/L	5738400	3	11.185	6876330	25.0
Benzene, 1,2,3-...	11.275	61.9	ug/L	17017000	3	11.185	6876330	25.0
(DEL) Alkane: S...	11.316	20.4	ug/L	5613340	3	11.185	6876330	25.0
(DEL) Alkane: S...	11.403	27.3	ug/L	7503940	3	11.185	6876330	25.0
Benzene, 1,2-di...	11.484	29.3	ug/L	8071040	3	11.185	6876330	25.0
Benzene, 1,4-di...	11.683	9.6	ug/L	2634960	3	11.185	6876330	25.0
(DEL) Alkane: S...	11.731	7.5	ug/L	2057970	3	11.185	6876330	25.0

Benzene, 2-ethy...	11.850	25.2	ug/L	6929560	3	11.185	6876330	25.0
p-Cymene	11.879	23.8	ug/L	6540410	3	11.185	6876330	25.0
o-Cymene	11.953	69.4	ug/L	19080900	3	11.185	6876330	25.0
Indan, 1-methyl-	12.053	17.1	ug/L	4689090	3	11.185	6876330	25.0
Benzene, 4-ethy...	12.249	20.1	ug/L	5535980	3	11.185	6876330	25.0
(DEL) Alkane: C...	12.310	12.7	ug/L	3497100	3	11.185	6876330	25.0
Benzene, 1,2,4,...	12.349	16.8	ug/L	4623370	3	11.185	6876330	25.0
Benzene, 1,2,3,...	12.403	25.7	ug/L	7075860	3	11.185	6876330	25.0
Benzene, 1,3-di...	12.487	6.9	ug/L	1889880	3	11.185	6876330	25.0
Benzene, 2,4-di...	12.580	2.1	ug/L	572761	3	11.185	6876330	25.0
2,2-Dimethylind...	12.622	4.3	ug/L	1185280	3	11.185	6876330	25.0
Benzene, (1-met...	12.660	6.3	ug/L	1724040	3	11.185	6876330	25.0
Benzene, (1-eth...	12.731	2.7	ug/L	732216	3	11.185	6876330	25.0
Benzene, 1,2,3,...	12.815	30.6	ug/L	8411160	3	11.185	6876330	25.0
Benzene, 1-meth...	12.937	1.8	ug/L	489991	3	11.185	6876330	25.0
Naphthalene, 1,...	12.979	3.2	ug/L	868459	3	11.185	6876330	25.0
Benzene, (1,2-d...	13.101	1.3	ug/L	350988	3	11.185	6876330	25.0
1H-Indene, 2,3-...	13.204	3.3	ug/L	909564	3	11.185	6876330	25.0
Azulene	13.435	2.7	ug/L	743318	3	11.185	6876330	25.0

Instrument :
MSVOA_V
ClientSampleId :
C0SE4