LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102023\
Data File : VU055831.D
Acq On : 20 Oct 2023 14:39
Operator : MD/SY
Sample : 04948-04
Misc : 5.07g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0AH6

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_U\Method\SFAMULM101023WMA.M
Title : VOC Analysis

Signal : TIC: VU055831.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.596	86	95	126	rVB	168261	284132	0.79%	0.055%
2	1.805	134	160	161	rBV	28382	77280	0.21%	0.015%
3	1.879	177	183	200	rBV	56760	121895	0.34%	0.024%
4	2.538	376	388	409	rVV	416551	695188	1.93%	0.135%
5	3.033	529	542	562	rVB4	11342	27934	0.08%	0.005%
6	3.174	571	586	599	rBV2	8202	18500	0.05%	0.004%
7	4.628	1021	1038	1087	rBV	122899	489524	1.36%	0.095%
8	5.055	1153	1171	1196	rBV	366532	901033	2.50%	0.175%
9	5.714	1355	1376	1406	rBV2	848421	2230844	6.18%	0.433%
10	6.242	1526	1540	1569	rBV	670136	1431201	3.96%	0.277%
11	6.534	1615	1631	1644	rBV7	17843	42321	0.12%	0.008%
12	6.685	1664	1678	1692	rBV	465551	1003314	2.78%	0.195%
13	6.859	1723	1732	1745	rVB6	8245	15836	0.04%	0.003%
14	7.065	1781	1796	1814	rVB7	23763	52734	0.15%	0.010%
15	7.226	1824	1846	1865	rBV7	33766	89910	0.25%	0.017%
16	7.418	1898	1906	1915	rBV3	14413	23539	0.07%	0.005%
17	7.492	1915	1929	1937	rBV2	137592	243511	0.67%	0.047%
18	7.563	1942	1951	1970	rVB	227809	476257	1.32%	0.092%
19	7.653	1970	1979	2000	rVB	111846	225147	0.62%	0.044%
20	7.743	2000	2007	2025	rVB7	20049	53611	0.15%	0.010%
21	7.849	2025	2040	2045	rBV2	381983	672726	1.86%	0.130%
22	7.894	2046	2054	2078	rVB	1033790	2053044	5.69%	0.398%
23	8.029	2081	2096	2109	rBV3	94927	287621	0.80%	0.056%
24	8.090	2110	2115	2129	rVB2	83086	139818	0.39%	0.027%
25	8.181	2129	2143	2150	rBV2	162606	319757	0.89%	0.062%
26	8.235	2150	2160	2179	rVB3	469866	939456	2.60%	0.182%
27	8.364	2179	2200	2210	rBV2	211204	397797	1.10%	0.077%
28	8.428	2210	2220	2225	rBV6	46893	86372	0.24%	0.017%
29	8.467	2226	2232	2242	rVB3	91359	151681	0.42%	0.029%
30	8.534	2242	2253	2267	rVB	226269	416419	1.15%	0.081%
31	8.634	2267	2284	2310	rBV2	935070	2586179	7.16%	0.501%
32	8.756	2311	2322	2328	rBV	457300	785959	2.18%	0.152%
33	8.798	2328	2335	2344	rVB5	311359	507308	1.40%	0.098%
34	8.859	2346	2354	2363	rVB	1094518	1744343	4.83%	0.338%
35	8.920	2363	2373	2383	rBV	2488400	4361860	12.08%	0.846%
36	9.068	2408	2419	2426	rBV	443032	773570	2.14%	0.150%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102023\
Data File : VU055831.D
Acq On : 20 Oct 2023 14:39
Operator : MD/SY
Sample : 04948-04
Misc : 5.07g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0AH6

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_U\Method\SFAMULM101023WMA.M
Title : VOC Analysis

37	9.116	2426	2434	2440	rVV	1176444	1730791	4.79%	0.336%
38	9.161	2440	2448	2456	rVV2	1836091	3064090	8.48%	0.594%
39	9.206	2456	2462	2477	rVB	1706873	2709366	7.50%	0.525%
40	9.332	2477	2501	2518	rBV	3408954	6098902	16.89%	1.182%
41	9.422	2519	2529	2539	rBV	791017	1605526	4.45%	0.311%
42	9.473	2540	2545	2550	rBV2	190781	211408	0.59%	0.041%
43	9.505	2551	2555	2562	rVB	293399	363013	1.01%	0.070%
44	9.560	2562	2572	2586	rVB3	1371031	2862655	7.93%	0.555%
45	9.666	2586	2605	2611	rBV3	2296637	5590047	15.48%	1.084%
46	9.714	2612	2620	2627	rVV2	3675141	5415201	15.00%	1.050%
47	9.756	2627	2633	2658	rVB	2785218	5796932	16.05%	1.124%
48	9.875	2658	2670	2684	rBV5	1313379	3084368	8.54%	0.598%
49	9.952	2685	2694	2702	rBV3	429582	793530	2.20%	0.154%
50	10.020	2702	2715	2728	rBV6	5506333	14438439	39.98%	2.799%
51	10.116	2738	2745	2755	rBV2	2906100	4826447	13.36%	0.936%
52	10.168	2756	2761	2769	rVB3	2206963	3209976	8.89%	0.622%
53	10.251	2770	2787	2800	rBV4	14583323	31508122	87.25%	6.109%
54	10.315	2801	2807	2809	rVV2	1460656	1737356	4.81%	0.337%
55	10.354	2810	2819	2826	rVV4	11665172	22607792	62.60%	4.383%
56	10.393	2827	2831	2843	rVB2	8299243	12482976	34.57%	2.420%
57	10.467	2844	2854	2866	rBV3	2554094	5745737	15.91%	1.114%
58	10.557	2867	2882	2891	rBV5	6702554	16424035	45.48%	3.184%
59	10.624	2893	2903	2916	rVB	12417434	21387286	59.22%	4.147%
60	10.695	2917	2925	2931	rBV2	2415626	4176728	11.57%	0.810%
61	10.762	2939	2946	2950	rBV3	1865611	2848766	7.89%	0.552%
62	10.811	2952	2961	2981	rVB4	12602793	24910199	68.98%	4.830%
63	10.907	2984	2991	2997	rBV	2899662	4476857	12.40%	0.868%
64	10.952	2997	3005	3016	rBV3	3823117	6813466	18.87%	1.321%
65	11.013	3017	3024	3032	rBV4	4528534	7789281	21.57%	1.510%
66	11.065	3032	3040	3049	rVV2	11121275	17349490	48.04%	3.364%
67	11.126	3051	3059	3070	rVB7	8503019	17508085	48.48%	3.394%
68	11.187	3071	3078	3088	rBV4	2616408	4865392	13.47%	0.943%
69	11.245	3089	3096	3101	rBV2	1951528	2858619	7.92%	0.554%
70	11.312	3103	3117	3128	rVB8	7130940	14562582	40.32%	2.823%
71	11.377	3129	3137	3142	rBV4	5740895	9006948	24.94%	1.746%
72	11.418	3142	3150	3158	rVB	26001248	36113057	100.00%	7.002%
73	11.460	3159	3163	3168	rBV4	2151347	2755110	7.63%	0.534%
74	11.573	3190	3198	3204	rBV2	4956370	8436256	23.36%	1.636%
75	11.643	3214	3220	3232	rVB6	9984715	16918944	46.85%	3.280%
76	11.714	3233	3242	3249	rBV	12850315	19491275	53.97%	3.779%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102023\
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Acq On : 20 Oct 2023 14:39
Operator : MD/SY
Sample : 04948-04
Misc : 5.07g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0AH6

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_U\Method\SFAMULM101023WMA.M
Title : VOC Analysis

77	11.830	3268	3278	3286	rBV4	7000480	12499488	34.61%	2.423%
78	11.894	3287	3298	3313	rVB2	13545048	27125175	75.11%	5.259%
79	12.097	3351	3361	3373	rBV5	5360523	10268192	28.43%	1.991%
80	12.187	3380	3389	3405	rVB5	8494103	20664706	57.22%	4.006%
81	12.376	3441	3448	3464	rVB4	7623142	15683633	43.43%	3.041%
82	12.569	3502	3508	3516	rVB	4901793	6597728	18.27%	1.279%
83	12.676	3531	3541	3546	rBV2	2540021	5400852	14.96%	1.047%
84	12.836	3583	3591	3596	rBV3	1607576	2670037	7.39%	0.518%
85	12.930	3611	3620	3627	rBV3	2067253	4177047	11.57%	0.810%
86	13.048	3650	3657	3666	rVB4	1151506	1794308	4.97%	0.348%
87	13.103	3667	3674	3692	rVB2	845824	1874140	5.19%	0.363%
88	13.196	3695	3703	3713	rBV2	590563	1055015	2.92%	0.205%
89	13.251	3714	3720	3730	rVB4	547564	810401	2.24%	0.157%
90	13.447	3772	3781	3795	rVB3	2283433	3757238	10.40%	0.728%
91	13.556	3810	3815	3819	rBV	123081	140990	0.39%	0.027%
92	13.621	3831	3835	3861	rVB	400346	962067	2.66%	0.187%
93	13.733	3862	3870	3877	rBV7	125725	213844	0.59%	0.041%
94	13.833	3892	3901	3910	rVB6	243406	411274	1.14%	0.080%
95	14.052	3959	3969	3972	rBV6	67145	115616	0.32%	0.022%
96	14.084	3974	3979	3987	rVB	110824	162740	0.45%	0.032%
97	14.666	4152	4160	4172	rVB10	20094	46866	0.13%	0.009%
98	15.019	4260	4270	4276	rBV10	7706	14532	0.04%	0.003%
99	15.232	4327	4336	4344	rVV2	12968	23696	0.07%	0.005%
100	15.415	4386	4393	4407	rBV4	10040	17082	0.05%	0.003%

Sum of corrected areas: 515789338

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102023\
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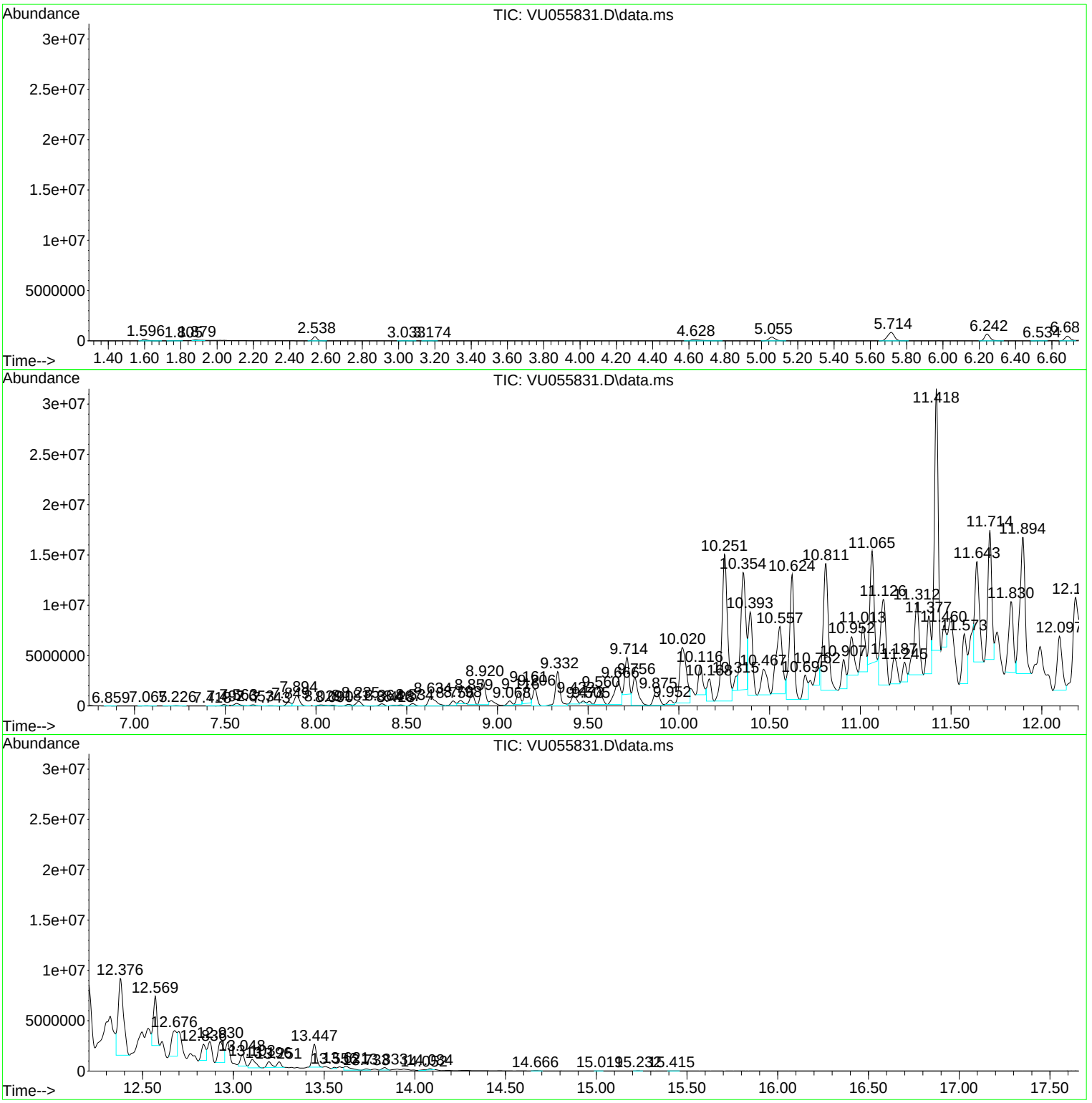
Sample : 04948-04
Misc : 5.07g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0AH6

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM101023WMA.M
Quant Title : VOC Analysis

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102023\
Data File : VU055831.D
Acq On : 20 Oct 2023 14:39
Operator : MD/SY
Sample : 04948-04
Misc : 5.07g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0AH6

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM101023WMA.M
Quant Title : VOC Analysis

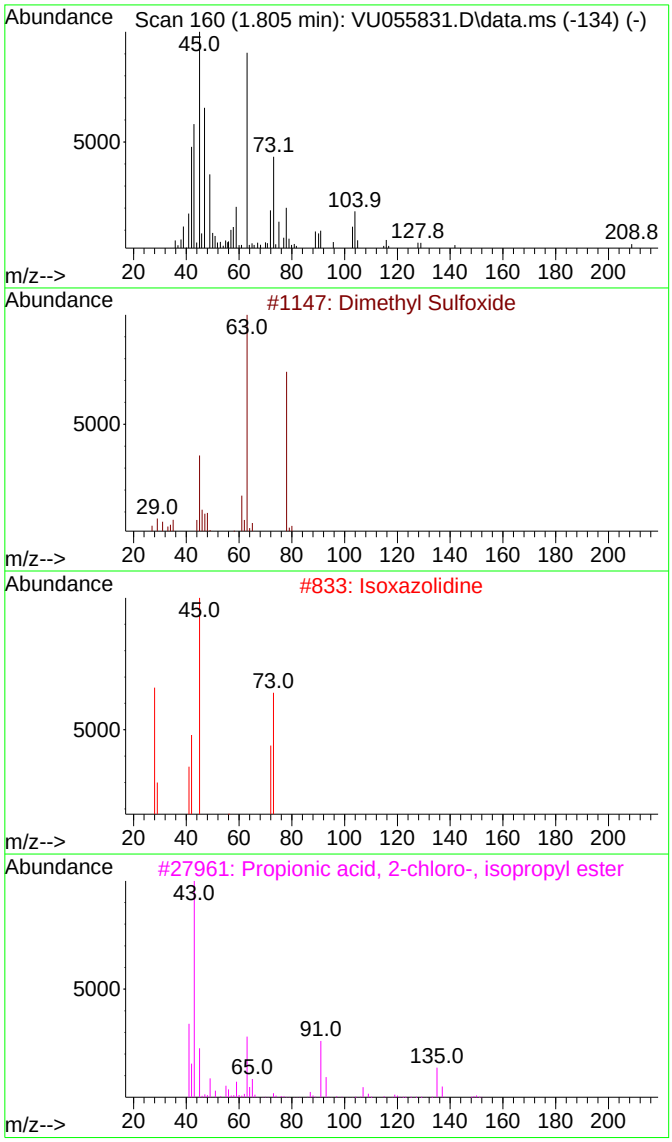
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

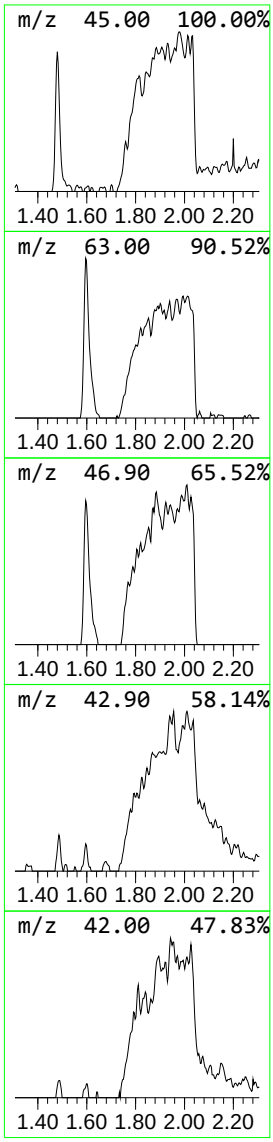
****

Peak Number 1 unknown-01 Concentration Rank 63

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.805	2.70 ug/L	77280	1,4-Difluorobenzene	6.245

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dimethyl Sulfoxide	78	C2H6OS	000067-68-5	36
2	Isoxazolidine	73	C3H7NO	000504-72-3	9
3	Propionic acid, 2-chloro-, isopr...	150	C6H11ClO2	040058-87-5	9
4	Methanesulfinothioic acid, S-1-p...	138	C4H10OS2	1000322-32-0	9
5	.alpha.-D-Galactopyranoside, met...	249	C10H19NO6	017296-07-0	9





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102023\
Data File : VU055831.D
Acq On : 20 Oct 2023 14:39
Operator : MD/SY
Sample : 04948-04
Misc : 5.07g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0AH6

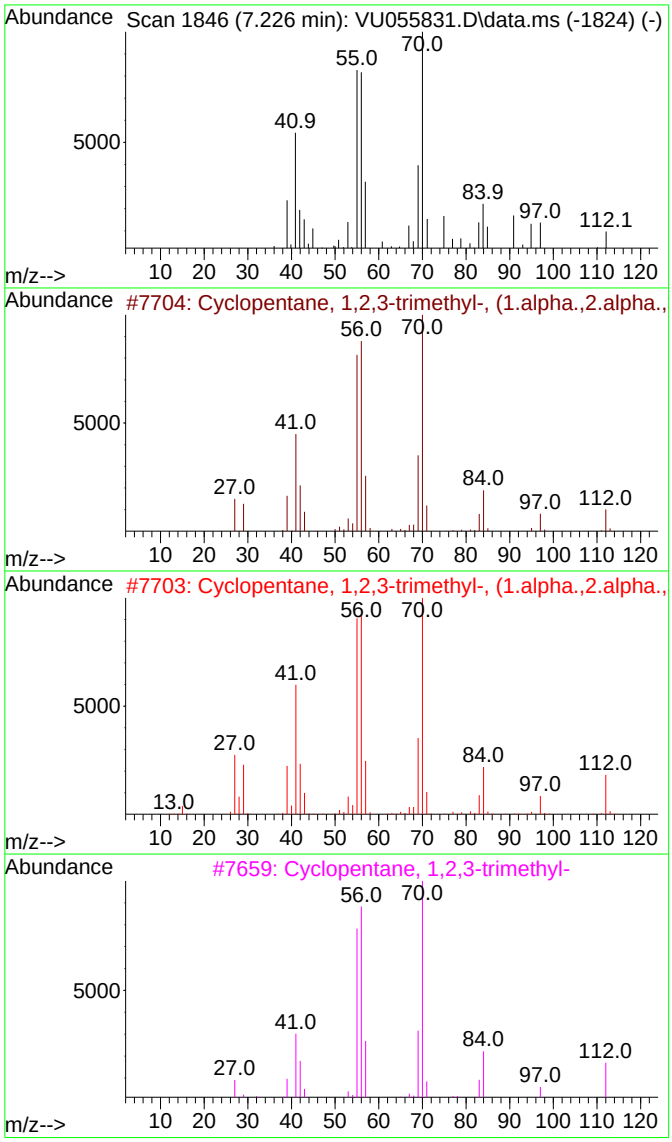
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM101023WMA.M
Quant Title : VOC Analysis

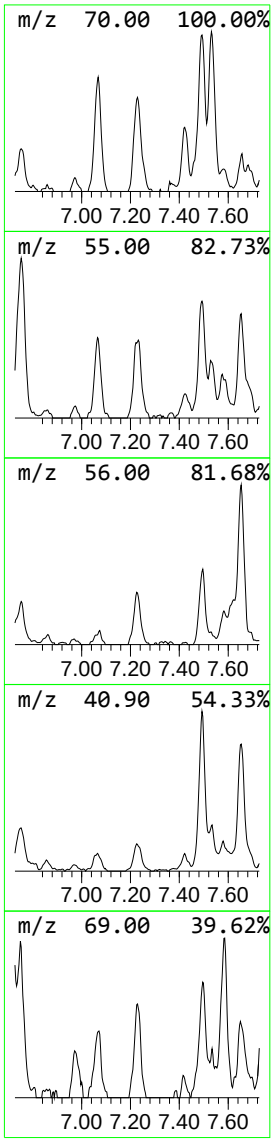
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 (DEL) Alkane: Cyclic7.226 Concentration Rank 62

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.226	3.14 ug/L	89910	1,4-Difluorobenzene	6.245

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	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102023\
Data File : VU055831.D
Acq On : 20 Oct 2023 14:39
Operator : MD/SY
Sample : 04948-04
Misc : 5.07g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0AH6

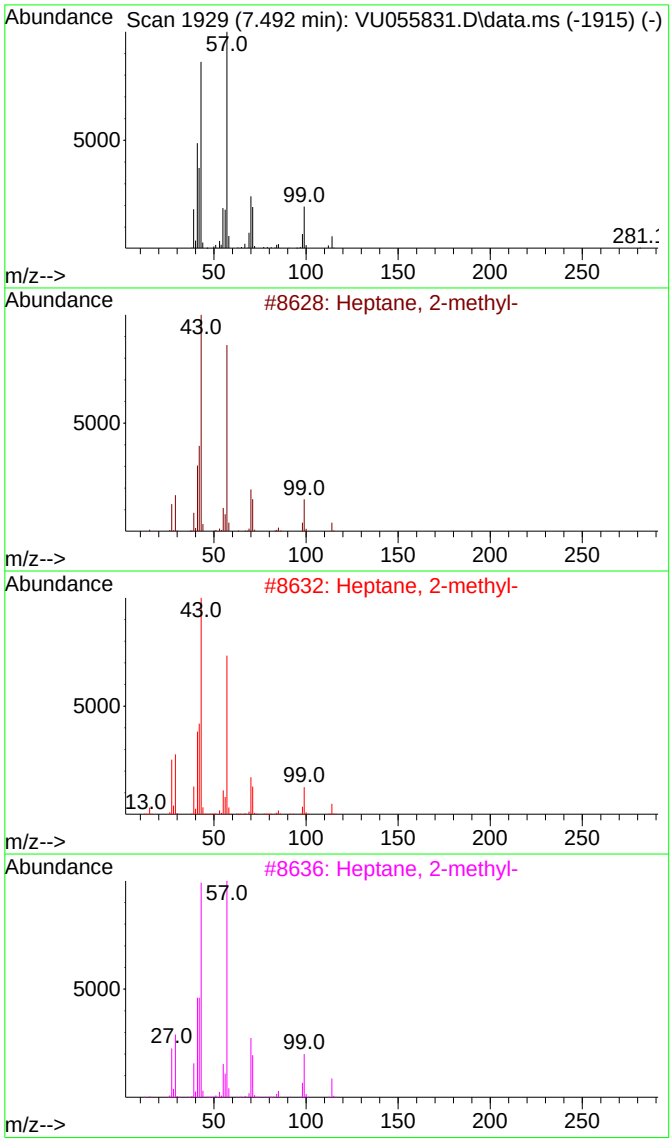
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM101023WMA.M
Quant Title : VOC Analysis

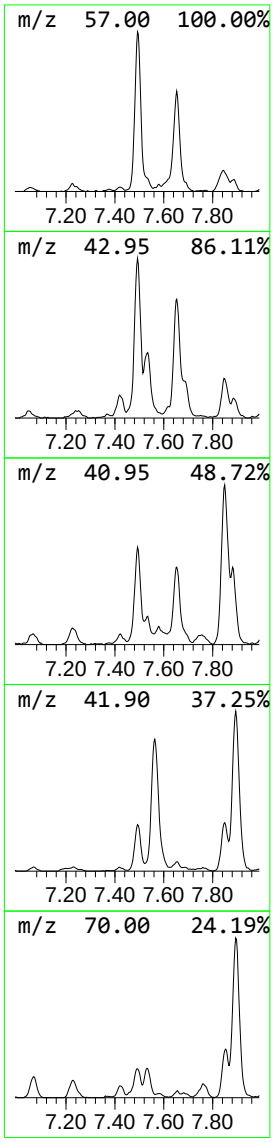
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 52

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.492	8.51 ug/L	243511	1,4-Difluorobenzene	6.245

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2-methyl-	114	C8H18	000592-27-8	91
2	Heptane, 2-methyl-	114	C8H18	000592-27-8	91
3	Heptane, 2-methyl-	114	C8H18	000592-27-8	87
4	Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	72
5	Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102023\
Data File : VU055831.D
Acq On : 20 Oct 2023 14:39
Operator : MD/SY
Sample : 04948-04
Misc : 5.07g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0AH6

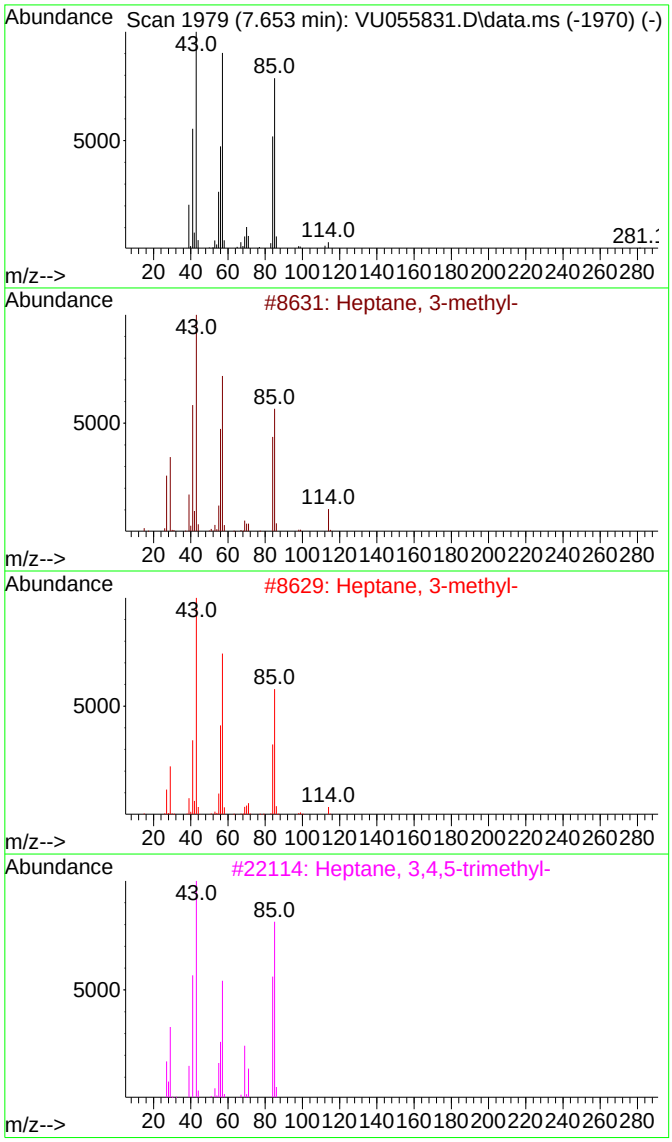
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM101023WMA.M
Quant Title : VOC Analysis

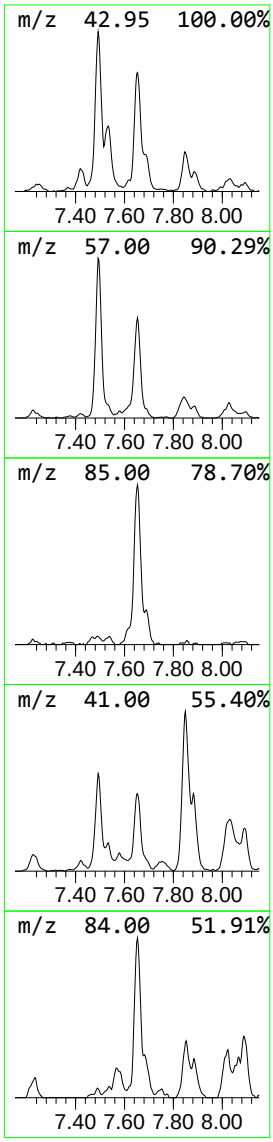
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 53

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.653	7.87 ug/L	225147	1,4-Difluorobenzene	6.245

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	Heptane, 3,4,5-trimethyl-	142	C10H22	020278-89-1	86
4	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	76
5	Pentane, 3-ethyl-2,4-dimethyl-	128	C9H20	001068-87-7	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102023\
Data File : VU055831.D
Acq On : 20 Oct 2023 14:39
Operator : MD/SY
Sample : 04948-04
Misc : 5.07g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0AH6

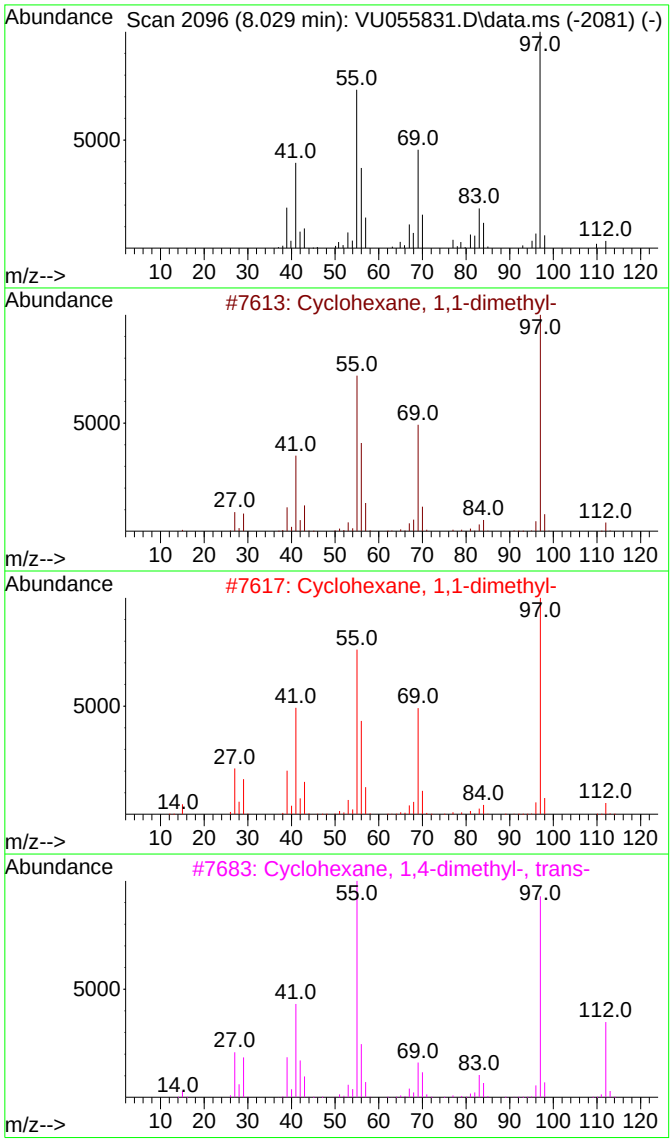
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM101023WMA.M
Quant Title : VOC Analysis

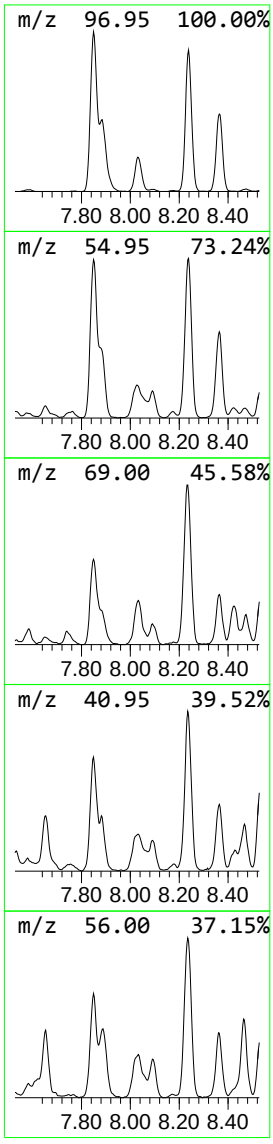
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 (DEL) Alkane: Cyclic8.029 Concentration Rank 51

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.029	8.96 ug/L	287621	Chlorobenzene-d5	9.422

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	87
2	Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	83
3	Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	72
4	Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	72
5	Sulfurous acid, cyclohexylmethyl...	304	C16H32O3S	1000309-21-8	64





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Data File : VU055831.D
Acq On : 20 Oct 2023 14:39
Operator : MD/SY
Sample : 04948-04
Misc : 5.07g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0AH6

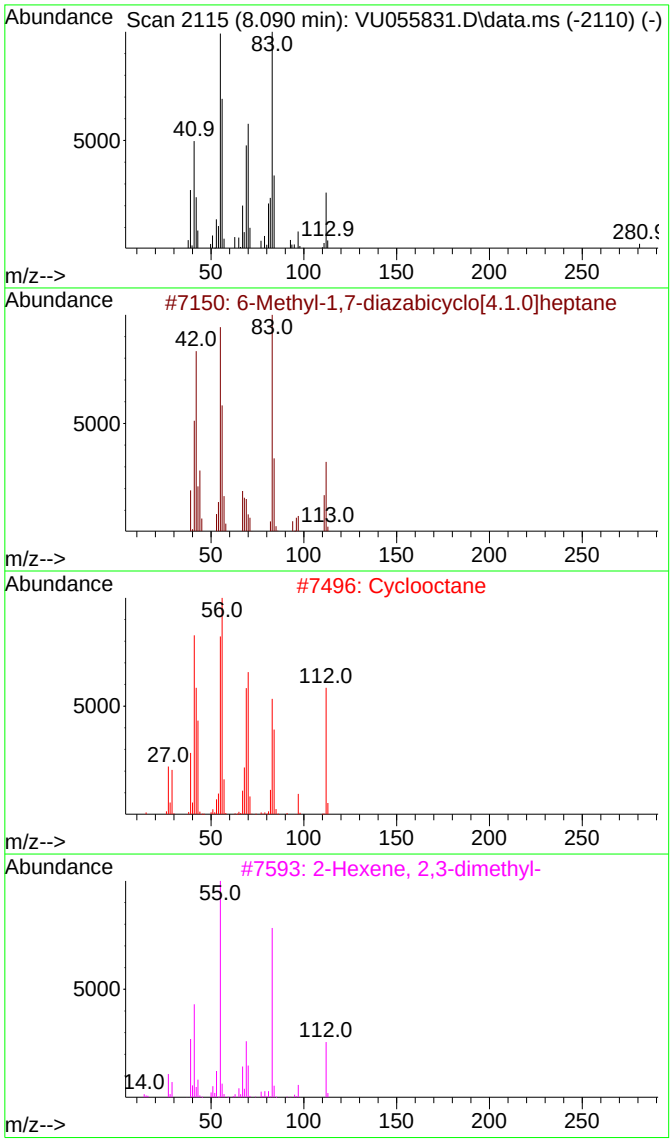
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM101023WMA.M
Quant Title : VOC Analysis

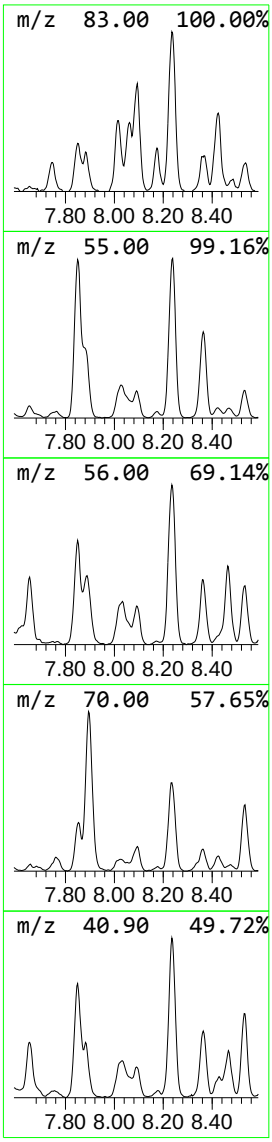
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 6-Methyl-1,7-diazabicyclo[4... Concentration Rank 58

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.090	4.35 ug/L	139818	Chlorobenzene-d5	9.422

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6-Methyl-1,7-diazabicyclo[4.1.0]...	112	C6H12N2	108602-71-7	58
2	Cyclooctane	112	C8H16	000292-64-8	58
3	2-Hexene, 2,3-dimethyl-	112	C8H16	007145-20-2	55
4	2-Octene, (Z)-	112	C8H16	007642-04-8	53
5	Cyclooctane	112	C8H16	000292-64-8	52





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Data File : VU055831.D
Acq On : 20 Oct 2023 14:39
Operator : MD/SY
Sample : 04948-04
Misc : 5.07g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0AH6

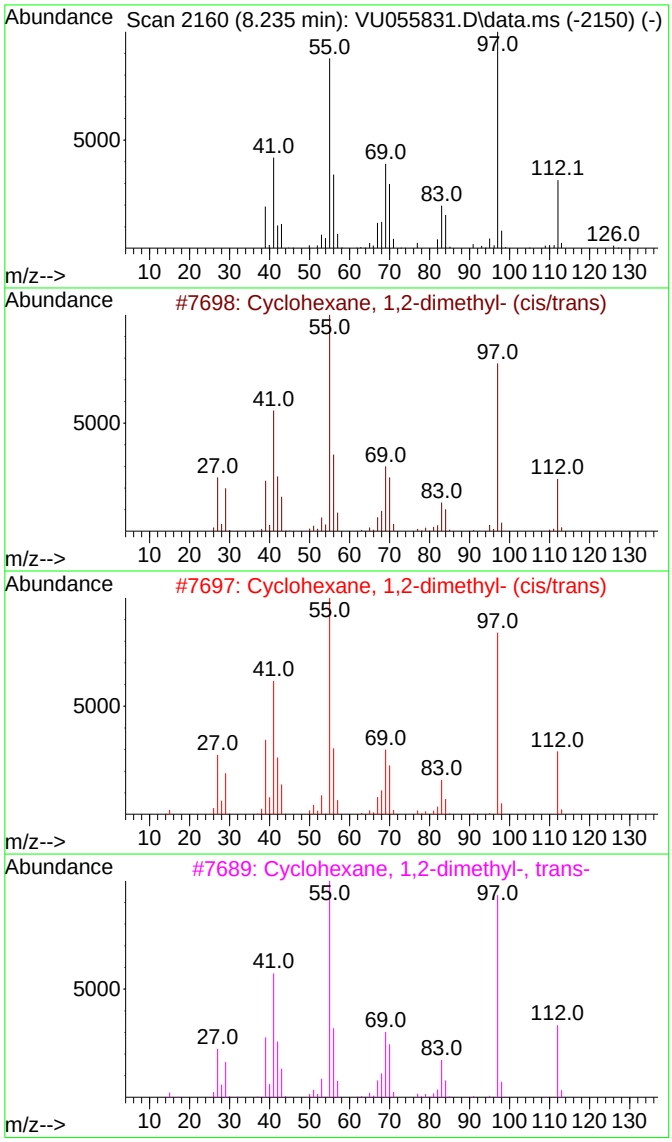
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM101023WMA.M
Quant Title : VOC Analysis

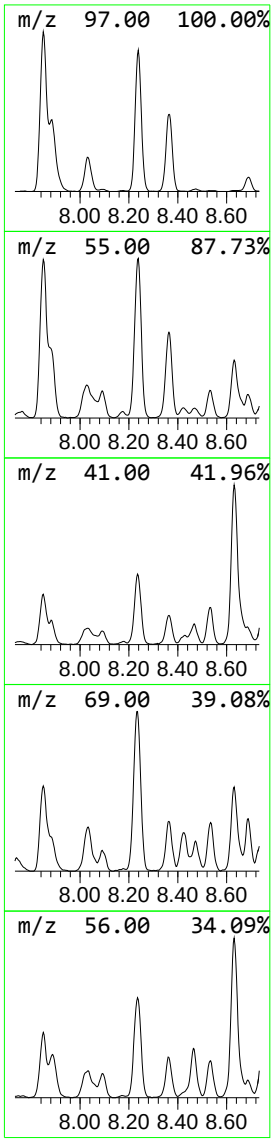
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 (DEL) Alkane: Cyclic8.235 Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.235	29.26 ug/L	939456	Chlorobenzene-d5	9.422

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	95
2	Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	94
3	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	94
4	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	90
5	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	87





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Data File : VU055831.D
Acq On : 20 Oct 2023 14:39
Operator : MD/SY
Sample : 04948-04
Misc : 5.07g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0AH6

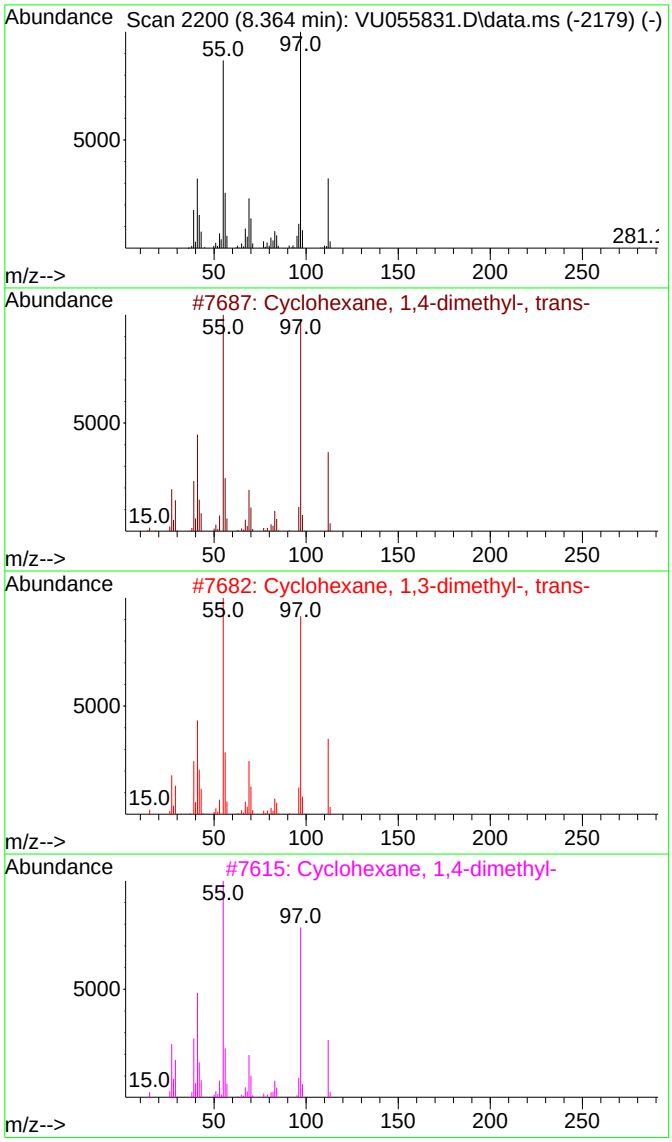
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM101023WMA.M
Quant Title : VOC Analysis

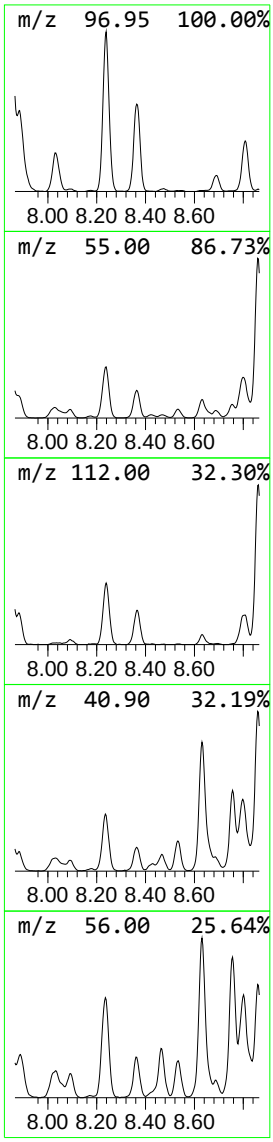
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 (DEL) Alkane: Cyclic8.364 Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.364	12.39 ug/L	397797	Chlorobenzene-d5	9.422

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	96
2	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	96
3	Cyclohexane, 1,4-dimethyl-	112	C8H16	000589-90-2	94
4	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	94
5	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	94





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Data File : VU055831.D
Acq On : 20 Oct 2023 14:39
Operator : MD/SY
Sample : 04948-04
Misc : 5.07g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0AH6

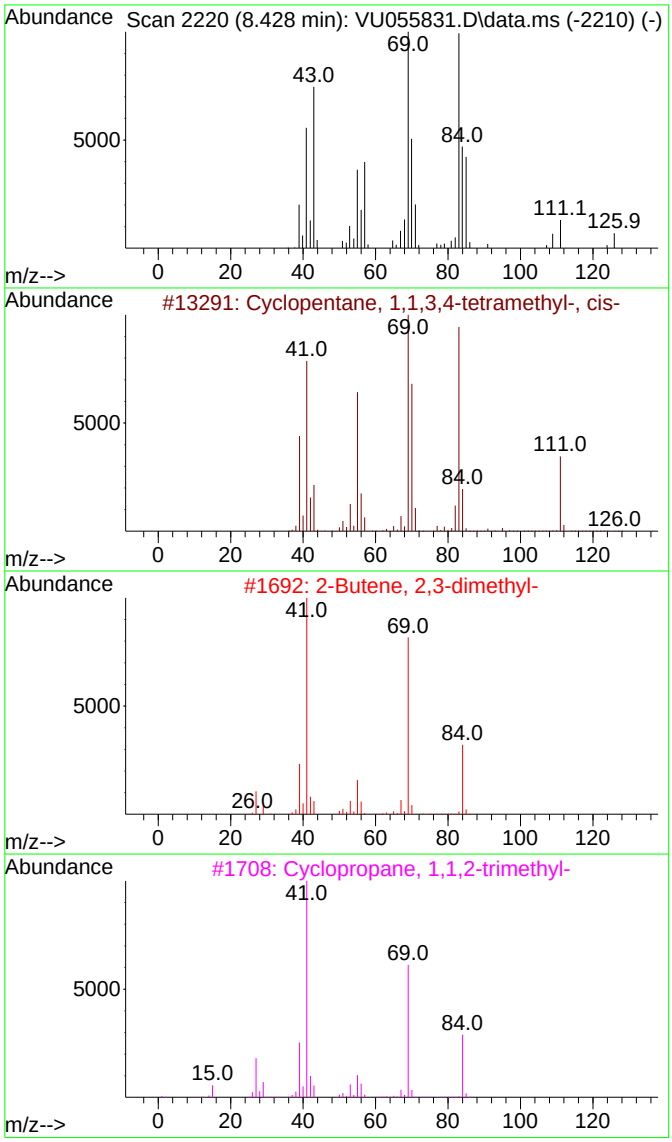
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM101023WMA.M
Quant Title : VOC Analysis

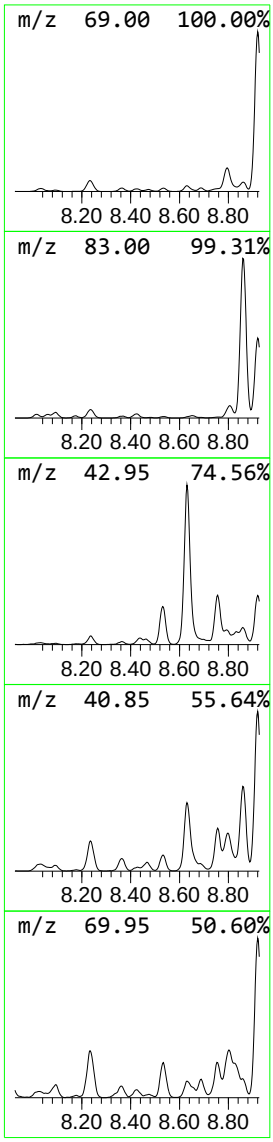
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 (DEL) Alkane: Cyclic8.428 Concentration Rank 64

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.428	2.69 ug/L	86372	Chlorobenzene-d5	9.422

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,1,3,4-tetramethy...	126	C9H18	053907-60-1	43
2	2-Butene, 2,3-dimethyl-	84	C6H12	000563-79-1	30
3	Cyclopropane, 1,1,2-trimethyl-	84	C6H12	004127-45-1	30
4	2-Pentene, 3-methyl-, (E)-	84	C6H12	000616-12-6	30
5	2-Pentene, 3-methyl-, (Z)-	84	C6H12	000922-62-3	30





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Data File : VU055831.D
Acq On : 20 Oct 2023 14:39
Operator : MD/SY
Sample : 04948-04
Misc : 5.07g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0AH6

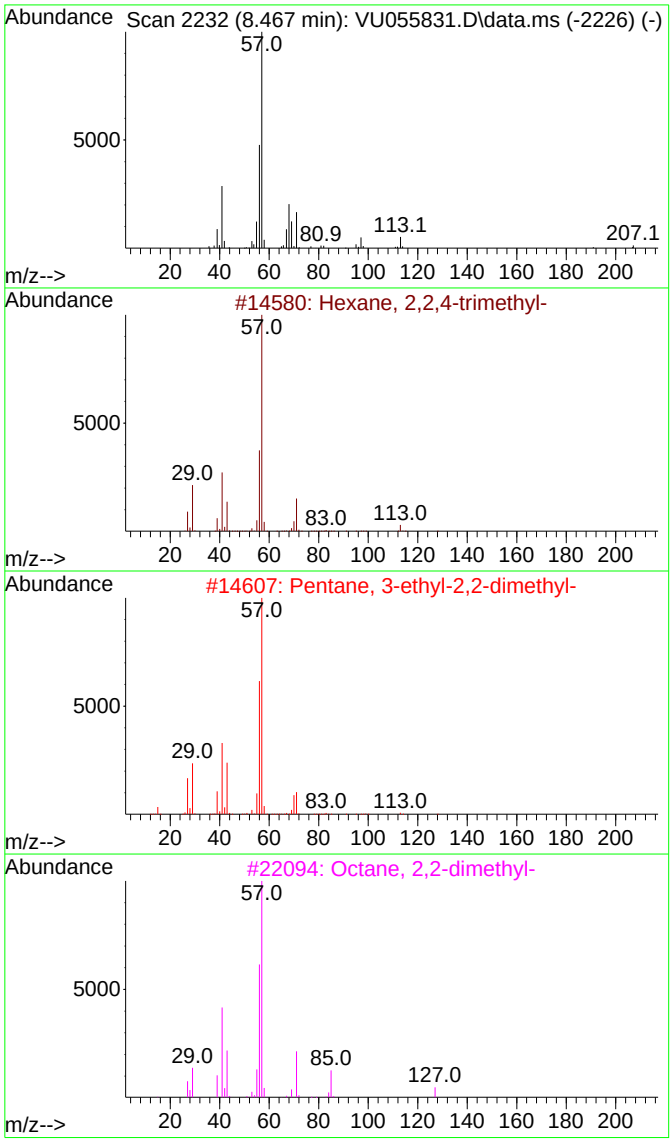
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM101023WMA.M
Quant Title : VOC Analysis

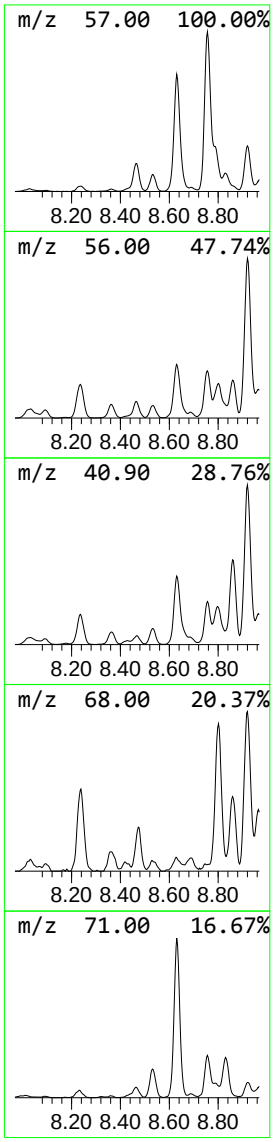
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 (DEL) Alkane: Straight-Chai... Concentration Rank 57

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.467	4.72 ug/L	151681	Chlorobenzene-d5	9.422

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,2,4-trimethyl-	128	C9H20	016747-26-5	50
2	Pentane, 3-ethyl-2,2-dimethyl-	128	C9H20	016747-32-3	47
3	Octane, 2,2-dimethyl-	142	C10H22	015869-87-1	47
4	Hexane, 2,2,5-trimethyl-	128	C9H20	003522-94-9	40
5	Heptane, 2,2-dimethyl-	128	C9H20	001071-26-7	40





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Data File : VU055831.D
Acq On : 20 Oct 2023 14:39
Operator : MD/SY
Sample : 04948-04
Misc : 5.07g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0AH6

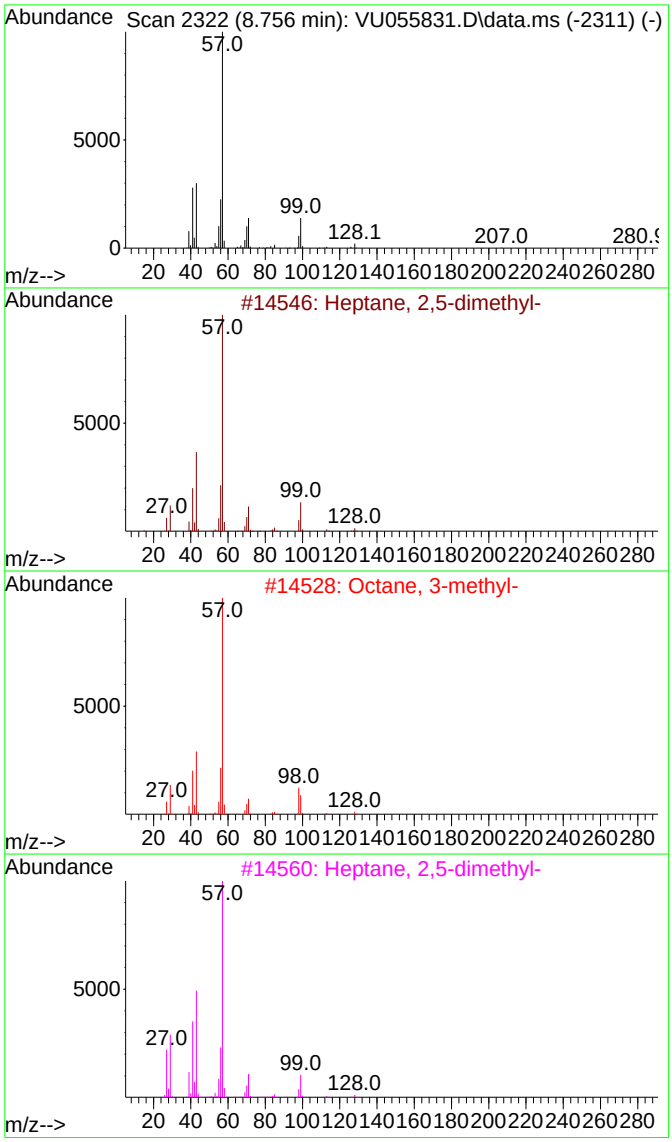
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM101023WMA.M
Quant Title : VOC Analysis

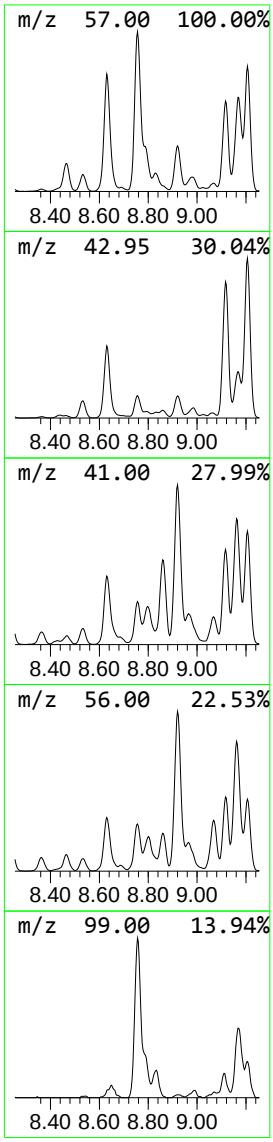
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 (DEL) Alkane: Straight-Chai... Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.756	24.48 ug/L	785959	Chlorobenzene-d5	9.422

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	91
2	Octane, 3-methyl-	128	C9H20	002216-33-3	91
3	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	91
4	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	87
5	Heptane, 3,5-dimethyl-	128	C9H20	000926-82-9	83





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102023\
Data File : VU055831.D
Acq On : 20 Oct 2023 14:39
Operator : MD/SY
Sample : 04948-04
Misc : 5.07g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0AH6

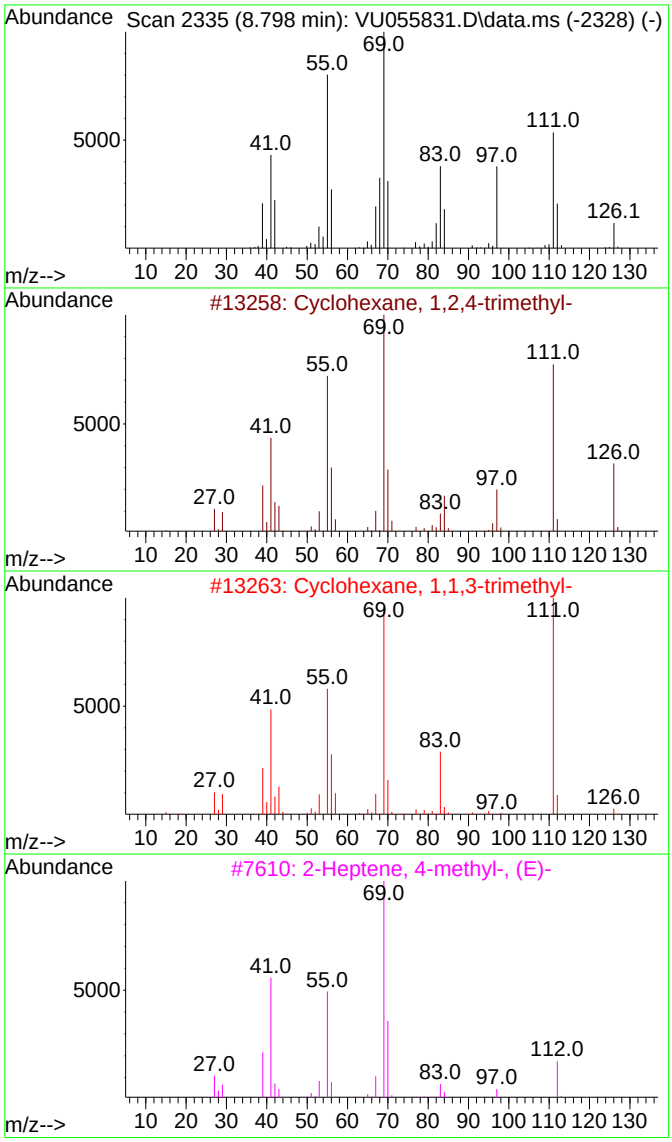
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM101023WMA.M
Quant Title : VOC Analysis

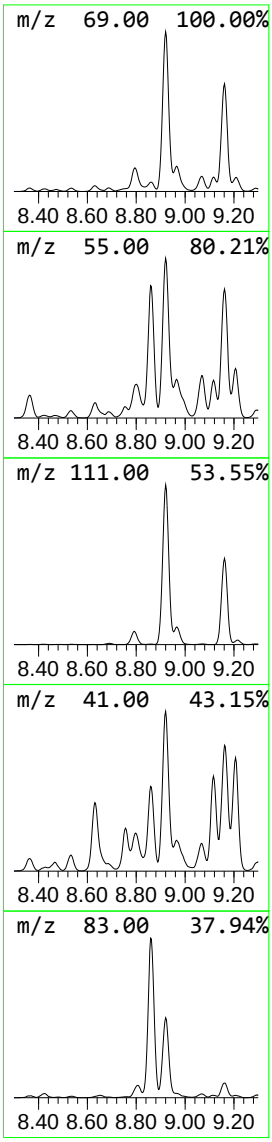
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 (DEL) Alkane: Cyclic8.798 Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.798	15.80 ug/L	507308	Chlorobenzene-d5	9.422

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	53
2	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	47
3	2-Heptene, 4-methyl-, (E)-	112	C8H16	066225-17-0	43
4	4-Methyl-2-heptene	112	C8H16	003404-56-6	43
5	3-Hexene, 2,5-dimethyl-, (E)-	112	C8H16	000692-70-6	43





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Data File : VU055831.D
Acq On : 20 Oct 2023 14:39
Operator : MD/SY
Sample : 04948-04
Misc : 5.07g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0AH6

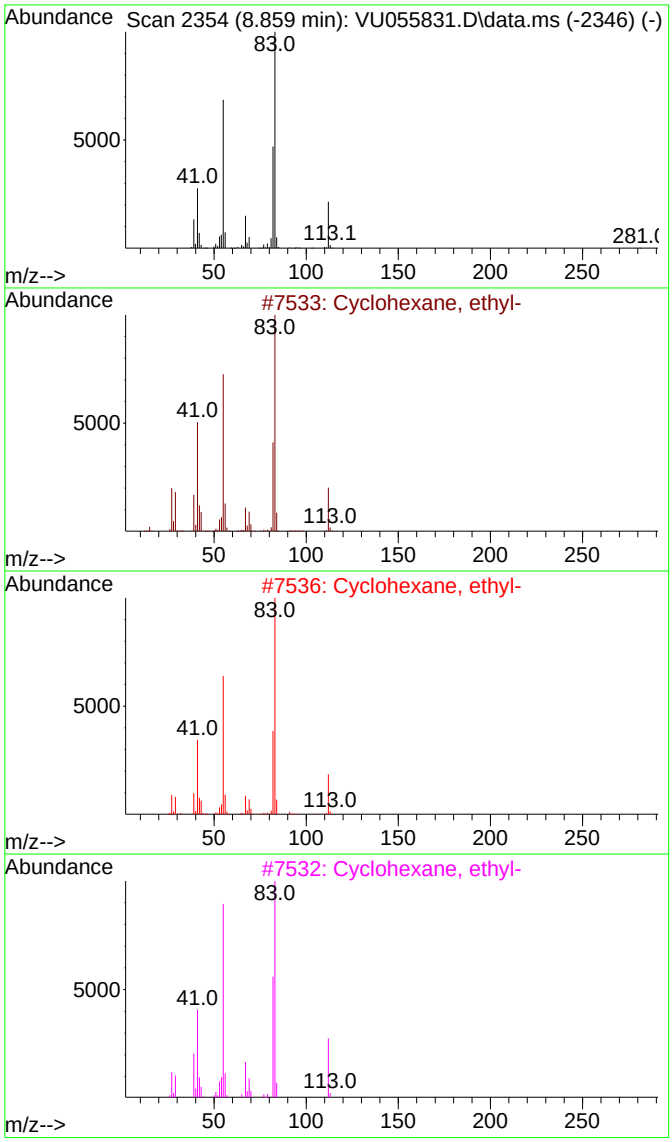
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM101023WMA.M
Quant Title : VOC Analysis

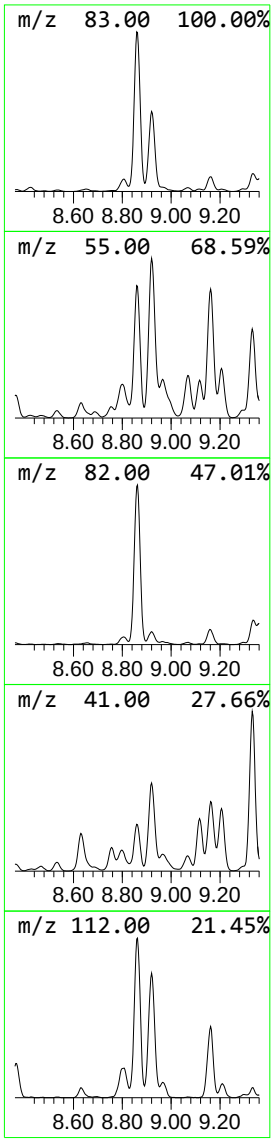
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 (DEL) Alkane: Cyclic8.859 Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.859	54.32 ug/L	1744340	Chlorobenzene-d5	9.422

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, ethyl-	112	C8H16	001678-91-7	87
2	Cyclohexane, ethyl-	112	C8H16	001678-91-7	86
3	Cyclohexane, ethyl-	112	C8H16	001678-91-7	64
4	3,4-Dimethyl-2-hexene	112	C8H16	002213-37-8	53
5	trans-3,4-Dimethyl-2-hexene	112	C8H16	019550-82-4	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102023\
Data File : VU055831.D
Acq On : 20 Oct 2023 14:39
Operator : MD/SY
Sample : 04948-04
Misc : 5.07g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0AH6

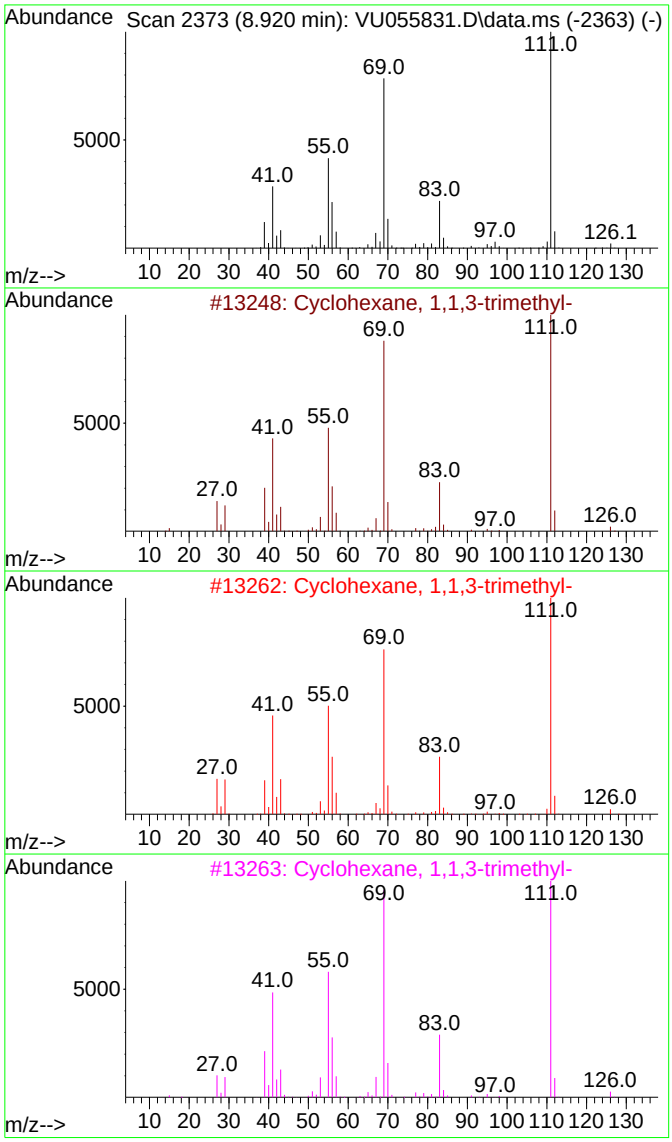
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM101023WMA.M
Quant Title : VOC Analysis

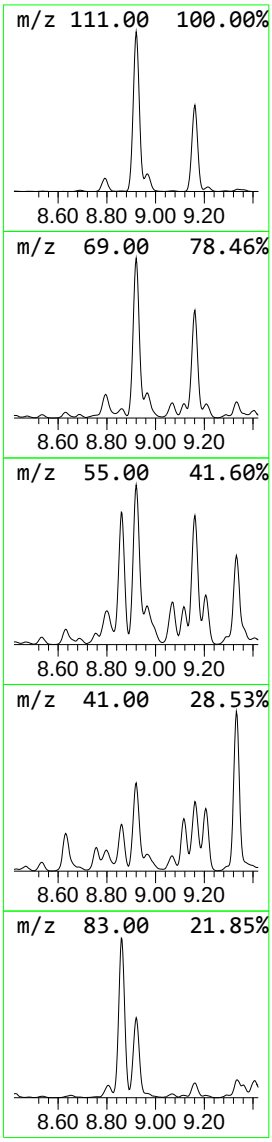
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 (DEL) Alkane: Cyclic8.920 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.920	135.84 ug/L	4361860	Chlorobenzene-d5	9.422

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	97
3	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	94
4	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	90
5	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	72





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Data File : VU055831.D
Acq On : 20 Oct 2023 14:39
Operator : MD/SY
Sample : 04948-04
Misc : 5.07g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0AH6

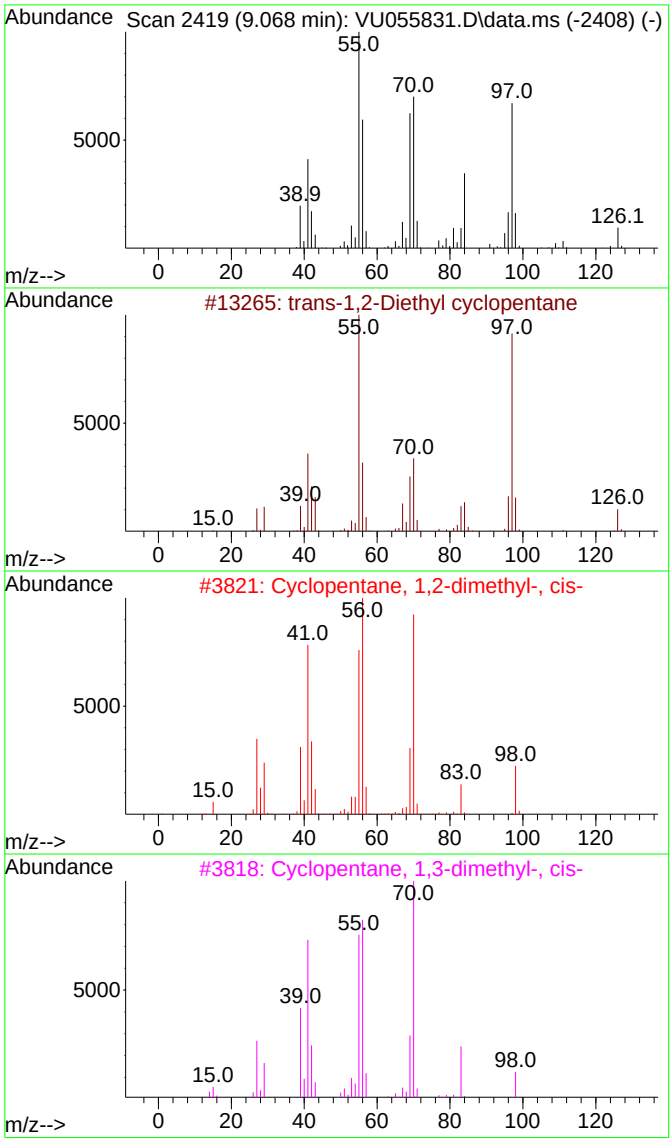
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM101023WMA.M
Quant Title : VOC Analysis

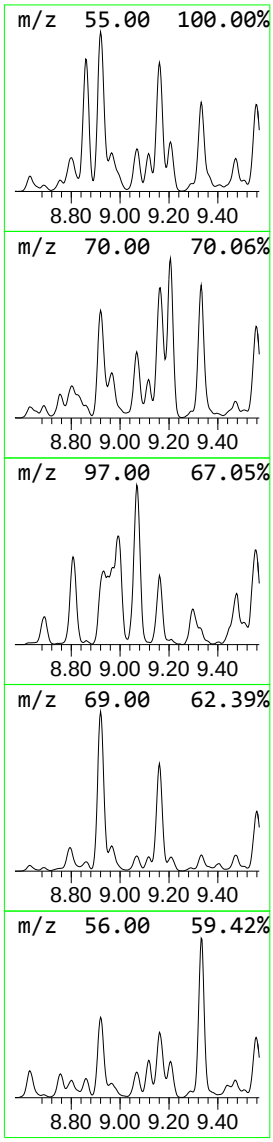
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 (DEL) Alkane: Cyclic9.068 Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.068	24.09 ug/L	773570	Chlorobenzene-d5	9.422

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	trans-1,2-Diethyl cyclopentane	126	C9H18	000932-40-1	62
2	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	50
3	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	43
4	Cyclopentane, ethyl-	98	C7H14	001640-89-7	43
5	trans-1,3-Diethylcyclopentane	126	C9H18	1000113-87-1	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102023\
Data File : VU055831.D
Acq On : 20 Oct 2023 14:39
Operator : MD/SY
Sample : 04948-04
Misc : 5.07g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0AH6

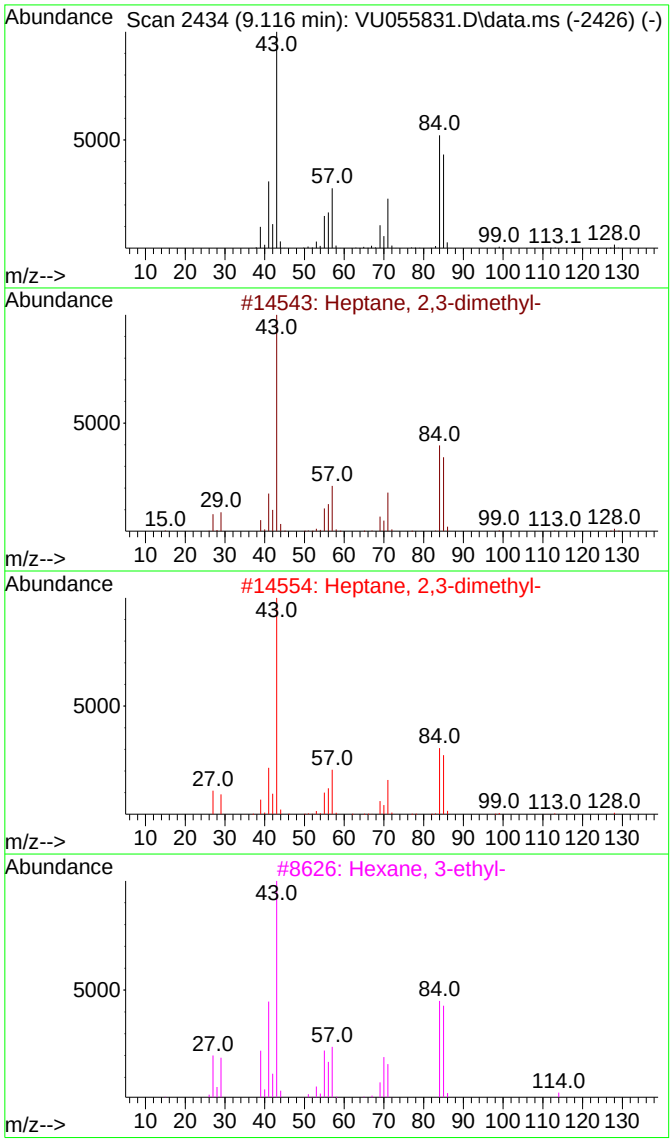
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM101023WMA.M
Quant Title : VOC Analysis

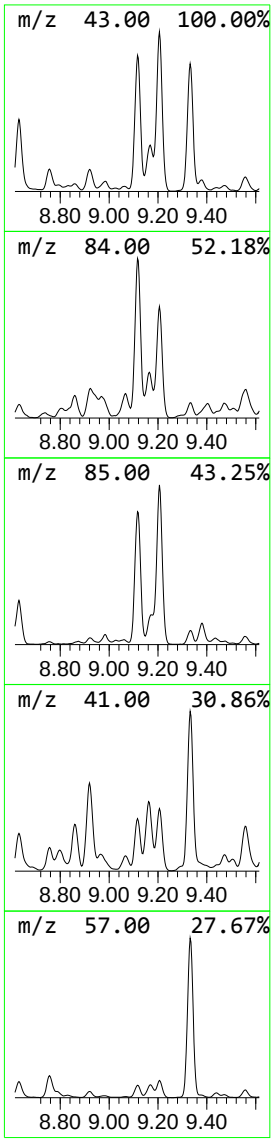
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 (DEL) Alkane: Straight-Chai... Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.116	53.90 ug/L	1730790	Chlorobenzene-d5	9.422

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	91
2	Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	87
3	Hexane, 3-ethyl-	114	C8H18	000619-99-8	78
4	Hexane, 2,3,5-trimethyl-	128	C9H20	001069-53-0	74
5	Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	74





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102023\
Data File : VU055831.D
Acq On : 20 Oct 2023 14:39
Operator : MD/SY
Sample : 04948-04
Misc : 5.07g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0AH6

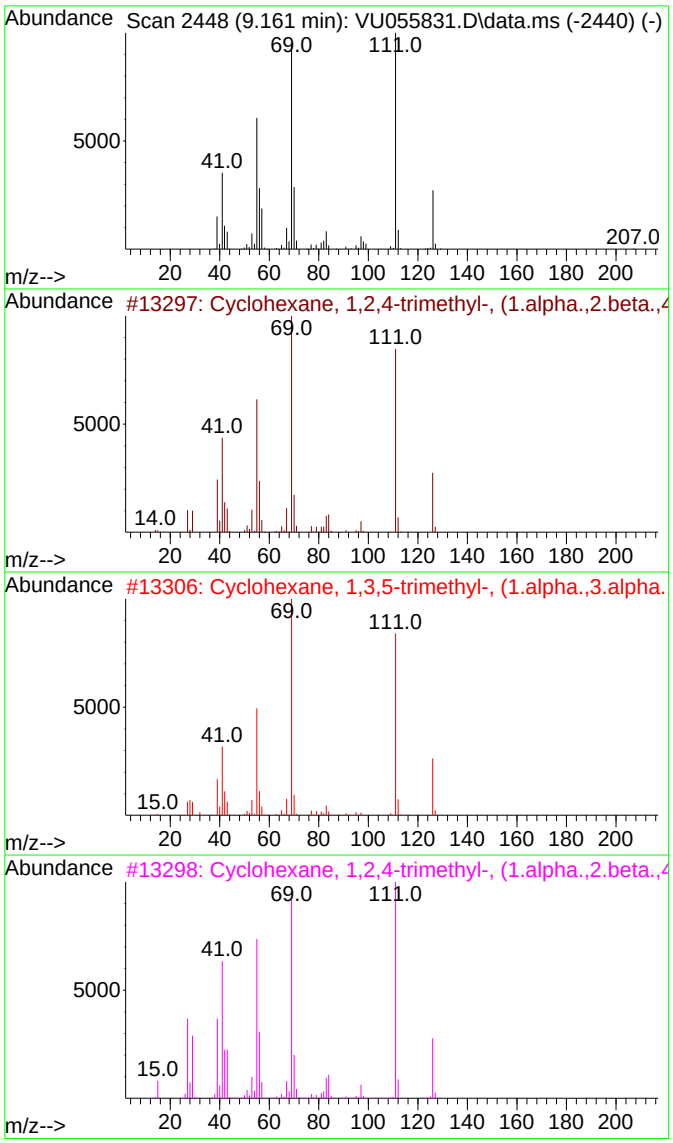
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM101023WMA.M
Quant Title : VOC Analysis

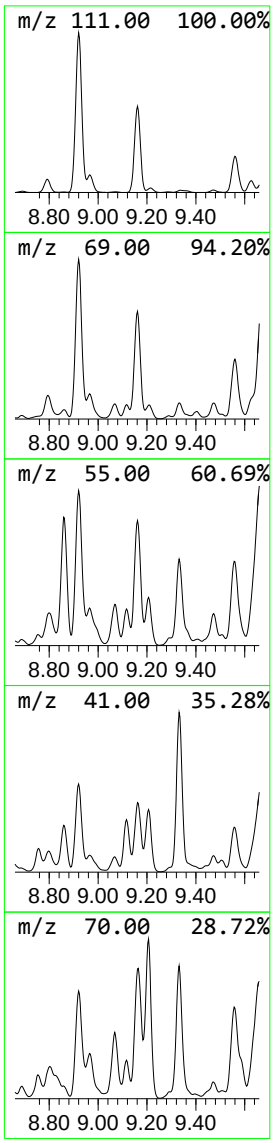
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 18 (DEL) Alkane: Cyclic9.161 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.161	95.42 ug/L	3064090	Chlorobenzene-d5	9.422

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	90
2	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	87
3	Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	87
4	Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	87
5	Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	76





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Data File : VU055831.D
Acq On : 20 Oct 2023 14:39
Operator : MD/SY
Sample : 04948-04
Misc : 5.07g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0AH6

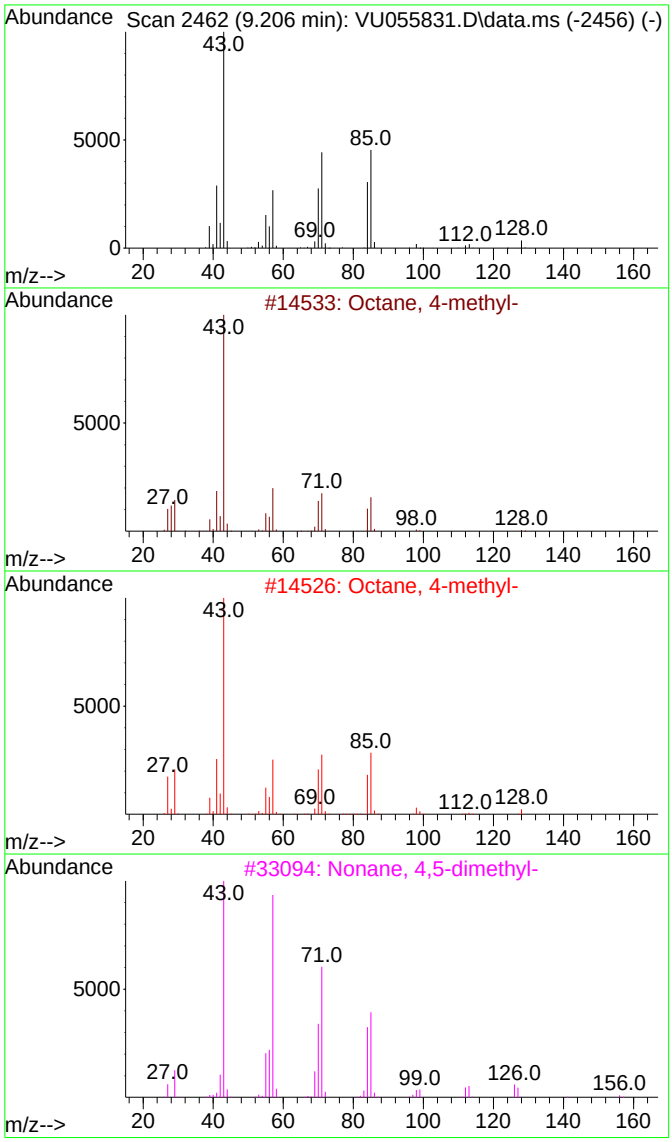
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM101023WMA.M
Quant Title : VOC Analysis

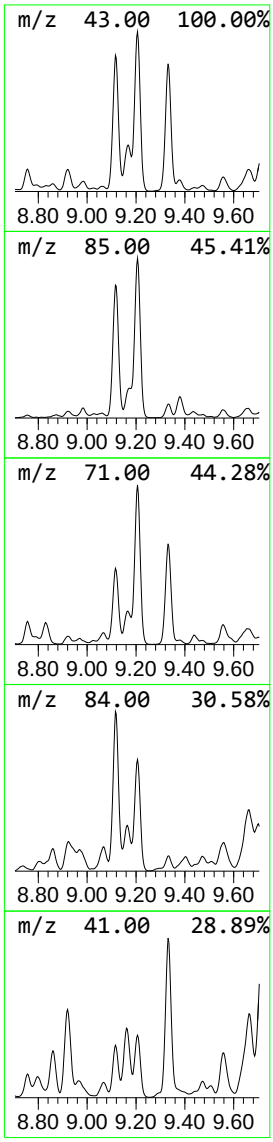
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 19 (DEL) Alkane: Straight-Chai... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.206	84.38 ug/L	2709370	Chlorobenzene-d5	9.422

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 4-methyl-	128	C9H20	002216-34-4	91
2	Octane, 4-methyl-	128	C9H20	002216-34-4	83
3	Nonane, 4,5-dimethyl-	156	C11H24	017302-23-7	72
4	Sulfurous acid, hexyl pentyl ester	236	C11H24O3S	1000309-14-1	59
5	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	59





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Data File : VU055831.D
Acq On : 20 Oct 2023 14:39
Operator : MD/SY
Sample : 04948-04
Misc : 5.07g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0AH6

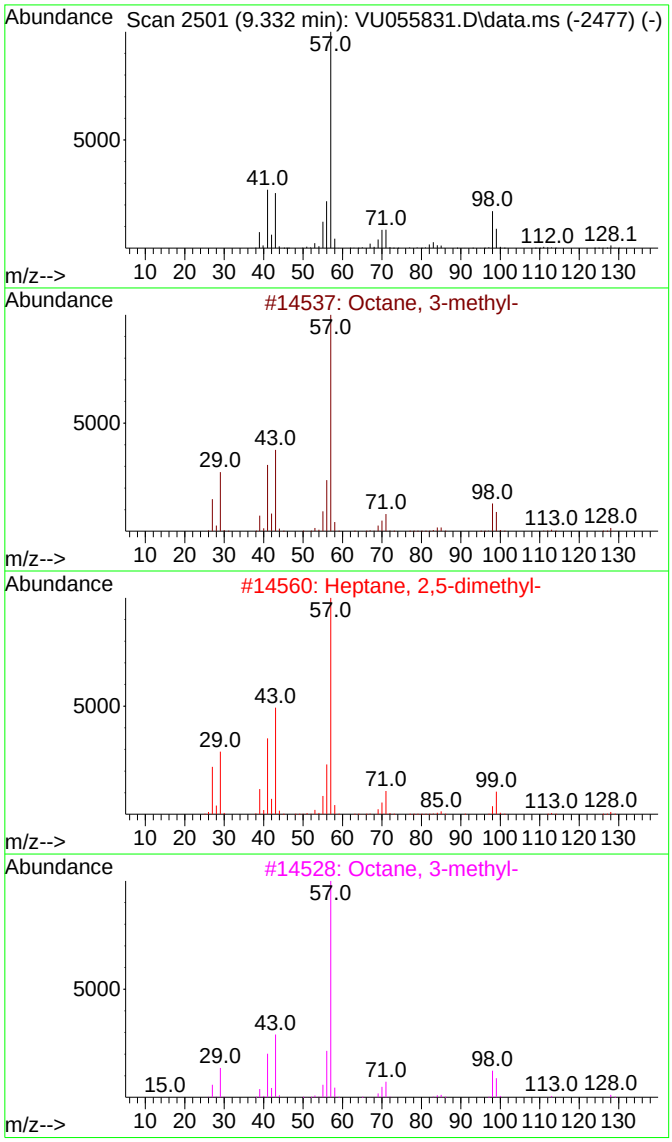
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM101023WMA.M
Quant Title : VOC Analysis

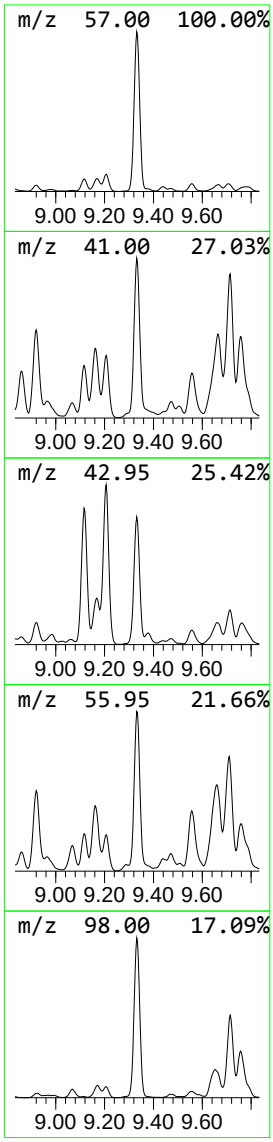
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 20 (DEL) Alkane: Straight-Chai... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.332	189.94 ug/L	6098900	Chlorobenzene-d5	9.422

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 3-methyl-	128	C9H20	002216-33-3	87
2	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	87
3	Octane, 3-methyl-	128	C9H20	002216-33-3	86
4	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	72
5	Octane, 3-methyl-	128	C9H20	002216-33-3	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102023\
Data File : VU055831.D
Acq On : 20 Oct 2023 14:39
Operator : MD/SY
Sample : 04948-04
Misc : 5.07g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0AH6

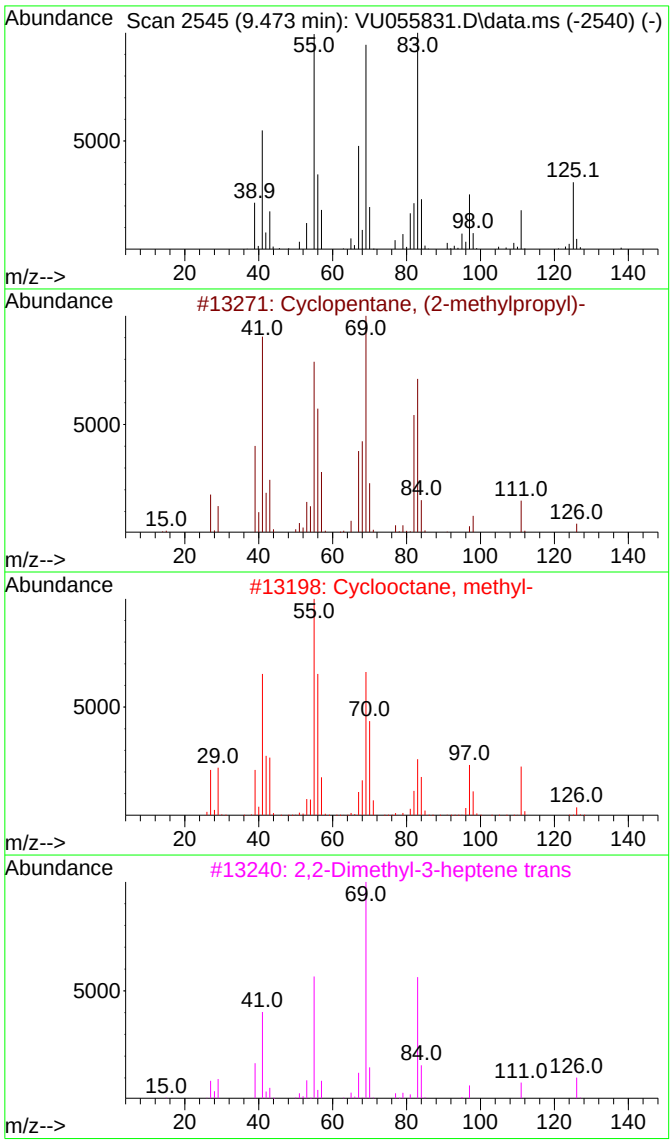
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM101023WMA.M
Quant Title : VOC Analysis

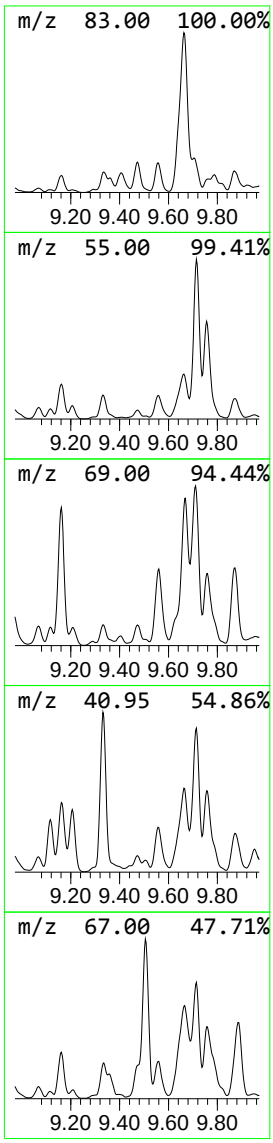
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 21 (DEL) Alkane: Cyclic9.473 Concentration Rank 56

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.473	6.58 ug/L	211408	Chlorobenzene-d5	9.422

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, (2-methylpropyl)-	126	C9H18	003788-32-7	38
2	Cyclooctane, methyl-	126	C9H18	001502-38-1	35
3	2,2-Dimethyl-3-heptene trans	126	C9H18	019550-75-5	35
4	Methoxyacetic acid, cyclohexyl e...	172	C9H16O3	1000282-69-4	35
5	2,3-Dimethyl-2-heptene	126	C9H18	003074-64-4	35





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102023\
Data File : VU055831.D
Acq On : 20 Oct 2023 14:39
Operator : MD/SY
Sample : 04948-04
Misc : 5.07g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0AH6

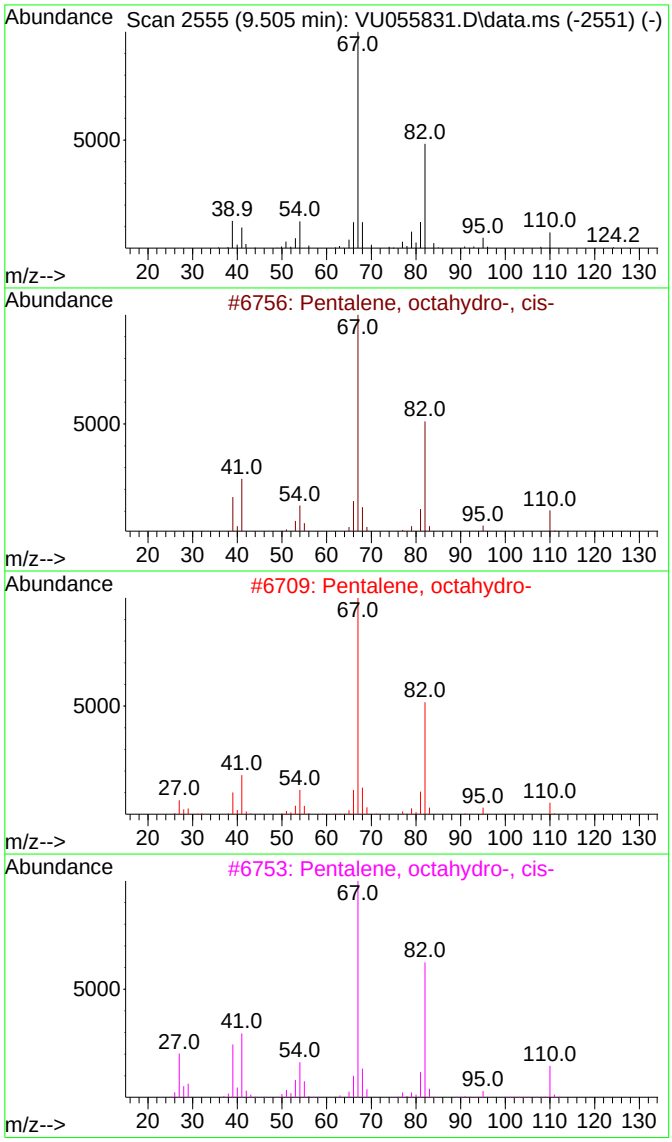
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM101023WMA.M
Quant Title : VOC Analysis

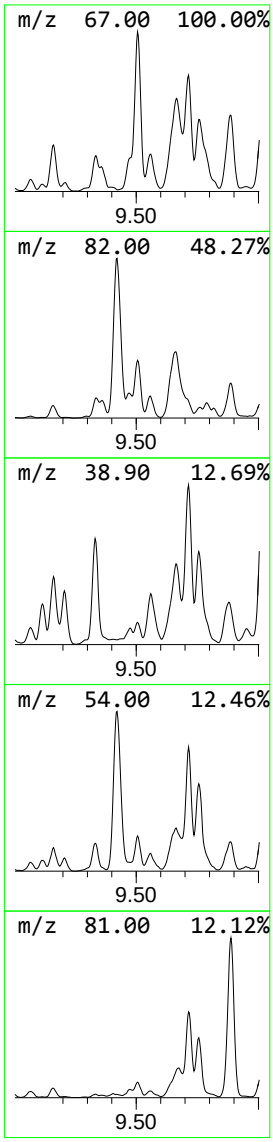
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 22 Pentalene, octahydro-, cis- Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.505	11.31 ug/L	363013	Chlorobenzene-d5	9.422

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentalene, octahydro-, cis-	110	C8H14	001755-05-1	91
2	Pentalene, octahydro-	110	C8H14	000694-72-4	91
3	Pentalene, octahydro-, cis-	110	C8H14	001755-05-1	83
4	(Z),(Z)-2,4-Hexadiene	82	C6H10	006108-61-8	78
5	4-Methyl-2-pentyne	82	C6H10	021020-27-9	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102023\
Data File : VU055831.D
Acq On : 20 Oct 2023 14:39
Operator : MD/SY
Sample : 04948-04
Misc : 5.07g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0AH6

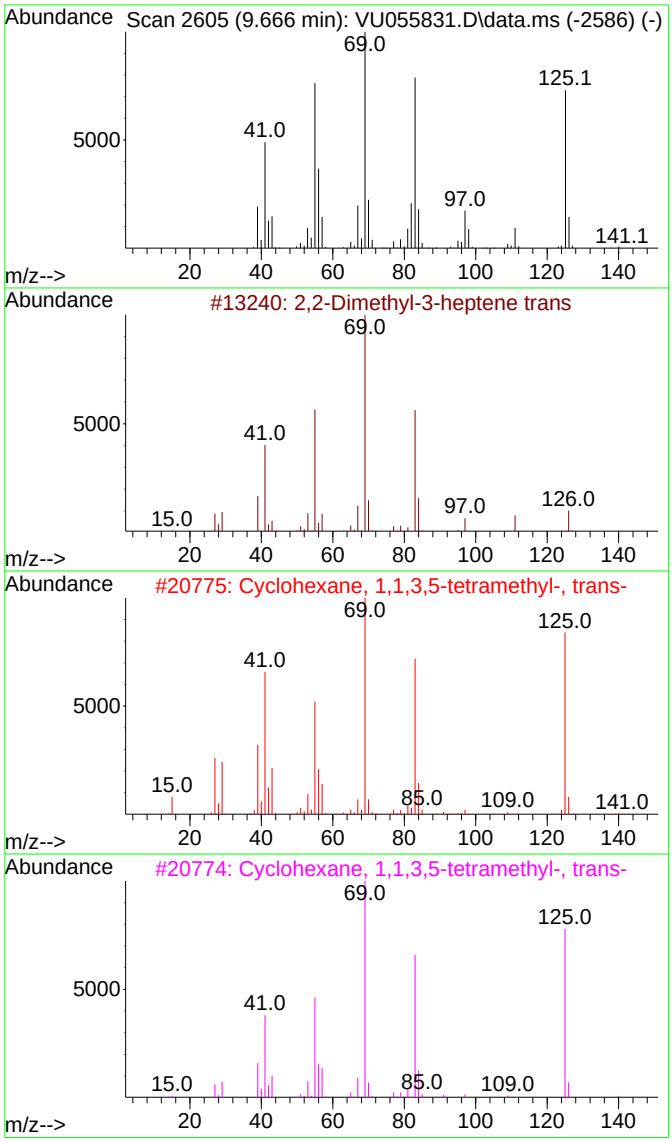
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM101023WMA.M
Quant Title : VOC Analysis

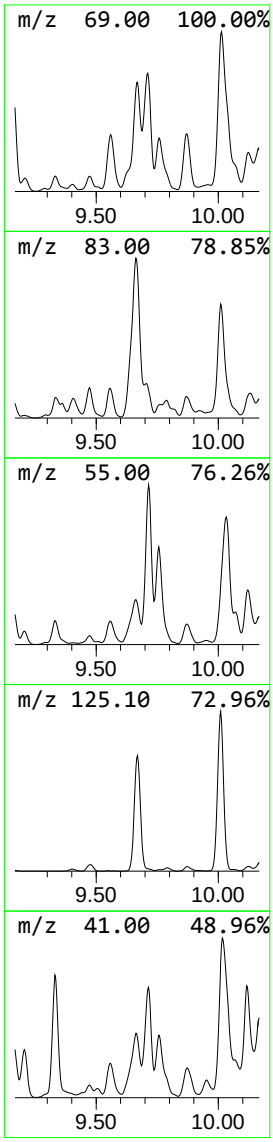
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 23 (DEL) Alkane: Straight-Chai... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.666	174.09 ug/L	5590050	Chlorobenzene-d5	9.422

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,2-Dimethyl-3-heptene trans	126	C9H18	019550-75-5	76
2	Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-31-8	76
3	Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-31-8	64
4	3-Octene, 2,2-dimethyl-	140	C10H20	086869-76-3	50
5	2,3-Dimethyl-3-heptene	126	C9H18	1000113-49-3	49





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102023\
Data File : VU055831.D
Acq On : 20 Oct 2023 14:39
Operator : MD/SY
Sample : 04948-04
Misc : 5.07g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0AH6

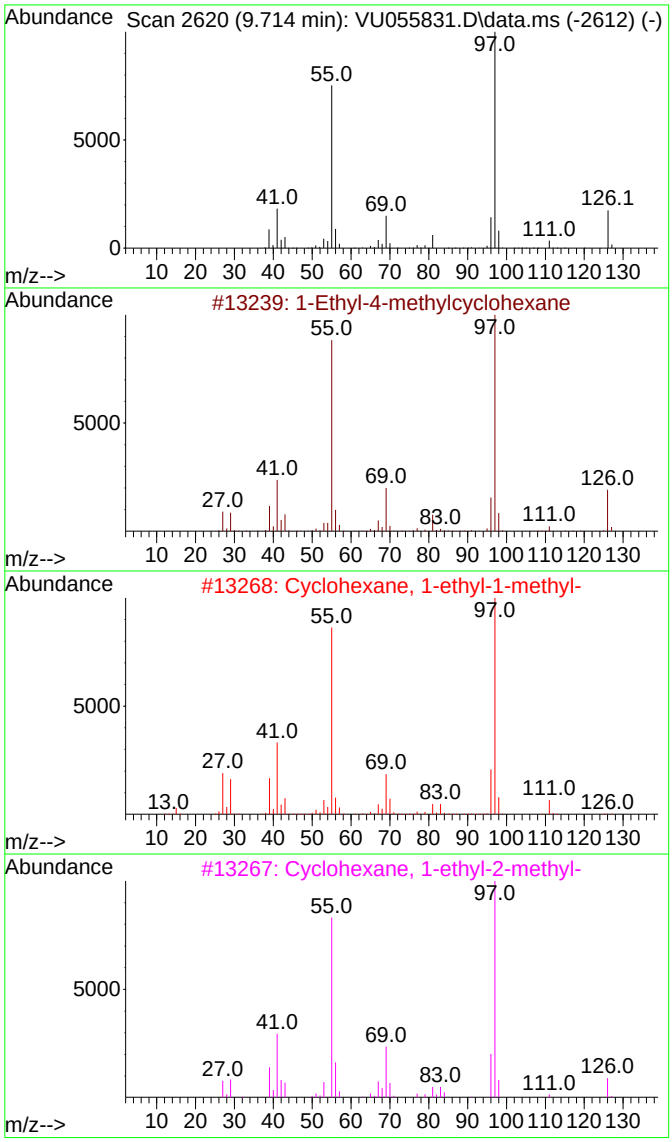
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM101023WMA.M
Quant Title : VOC Analysis

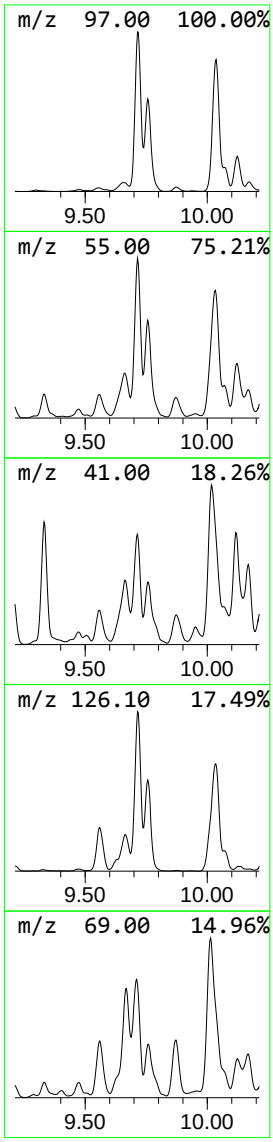
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 24 (DEL) Alkane: Cyclic9.714 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.714	168.64 ug/L	5415200	Chlorobenzene-d5	9.422

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	95
2	Cyclohexane, 1-ethyl-1-methyl-	126	C9H18	004926-90-3	78
3	Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	78
4	3,5-Dimethyl-3-heptene	126	C9H18	059643-68-4	74
5	2-Hexene, 3,4,4-trimethyl-	126	C9H18	053941-19-8	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102023\
Data File : VU055831.D
Acq On : 20 Oct 2023 14:39
Operator : MD/SY
Sample : 04948-04
Misc : 5.07g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0AH6

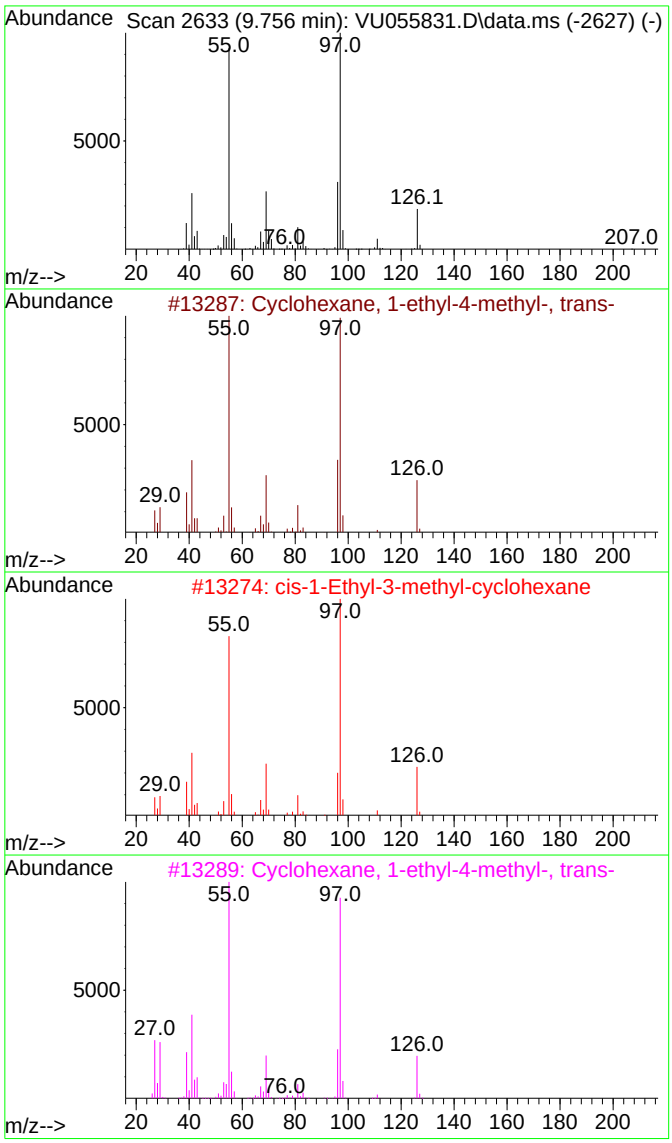
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM101023WMA.M
Quant Title : VOC Analysis

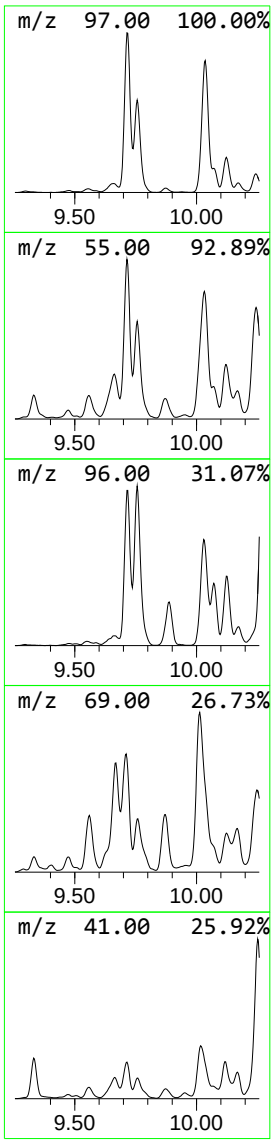
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 25 (DEL) Alkane: Cyclic9.756 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.756	180.53 ug/L	5796930	Chlorobenzene-d5	9.422

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	94
2	cis-1-Ethyl-3-methyl-cyclohexane	126	C9H18	019489-10-2	93
3	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	91
4	1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	90
5	1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	90





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102023\
Data File : VU055831.D
Acq On : 20 Oct 2023 14:39
Operator : MD/SY
Sample : 04948-04
Misc : 5.07g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0AH6

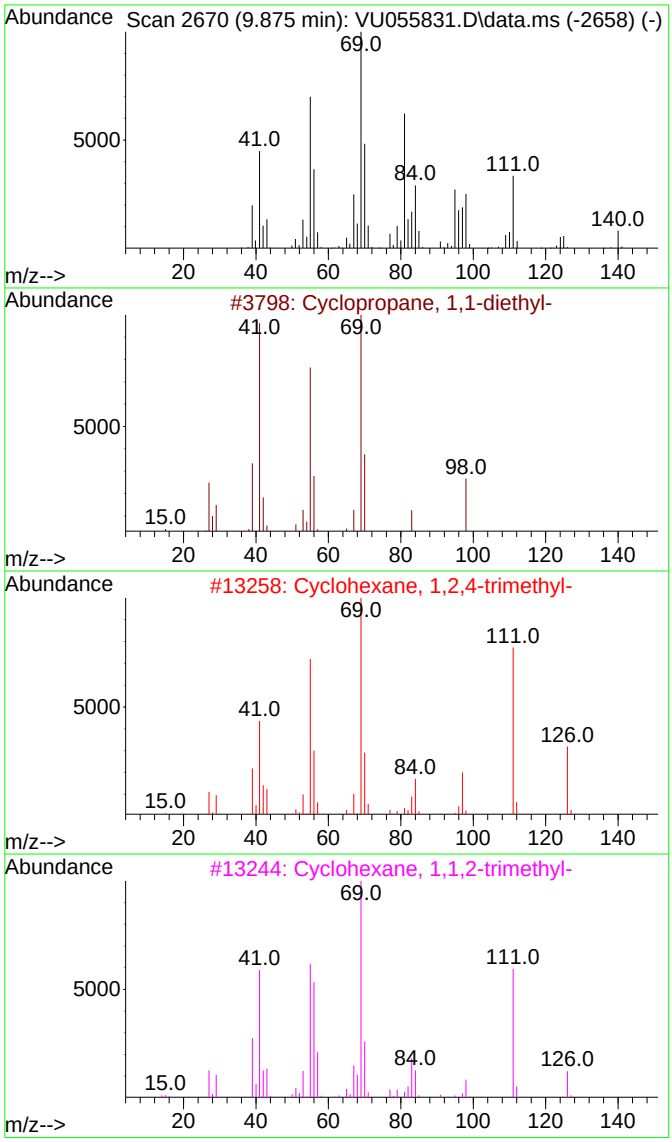
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM101023WMA.M
Quant Title : VOC Analysis

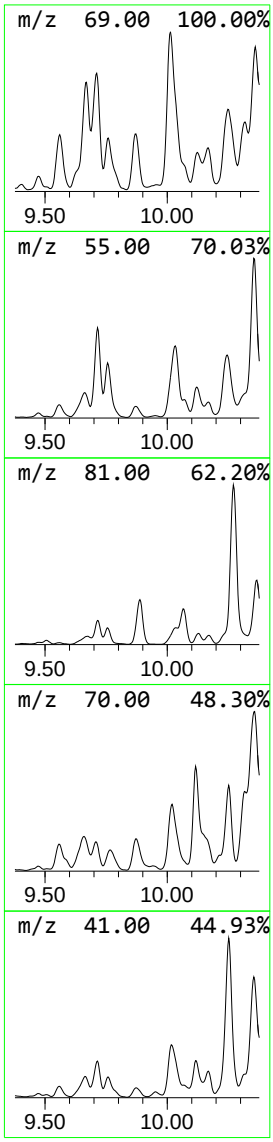
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 26 (DEL) Alkane: Cyclic9.875 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.875	96.05 ug/L	3084370	Chlorobenzene-d5	9.422

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopropane, 1,1-diethyl-	98	C7H14	001003-19-6	64
2	Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	50
3	Cyclohexane, 1,1,2-trimethyl-	126	C9H18	007094-26-0	47
4	3-Hexene, 2-methyl-, (Z)-	98	C7H14	015840-60-5	45
5	3-Hexene, 2-methyl-, (E)-	98	C7H14	000692-24-0	45





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102023\
Data File : VU055831.D
Acq On : 20 Oct 2023 14:39
Operator : MD/SY
Sample : 04948-04
Misc : 5.07g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0AH6

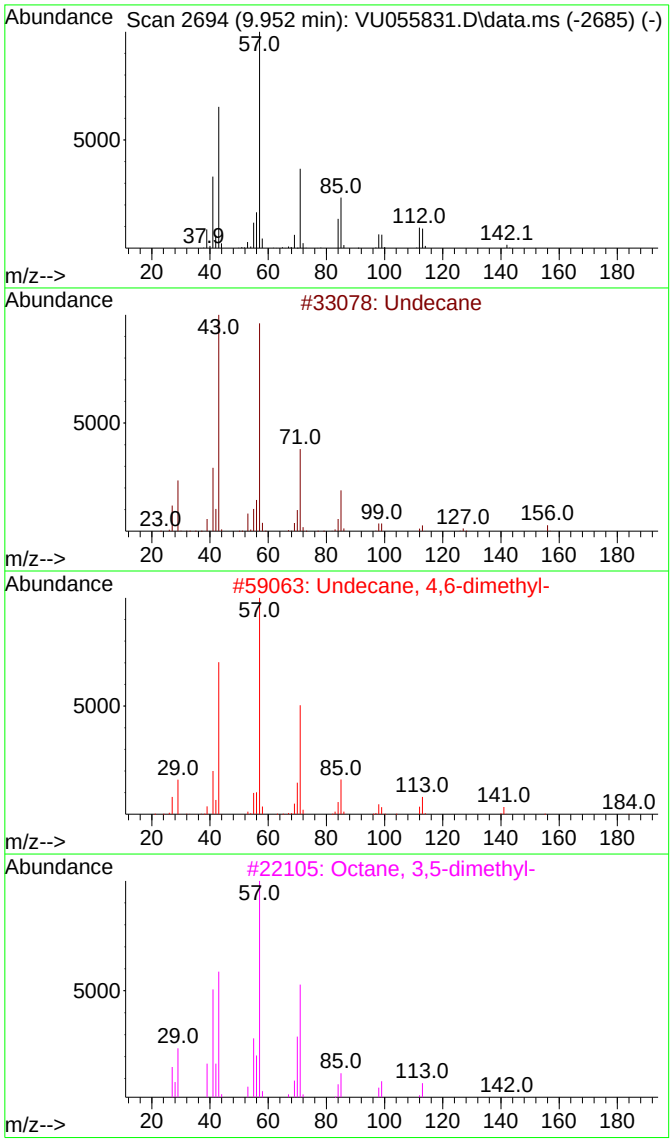
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM101023WMA.M
Quant Title : VOC Analysis

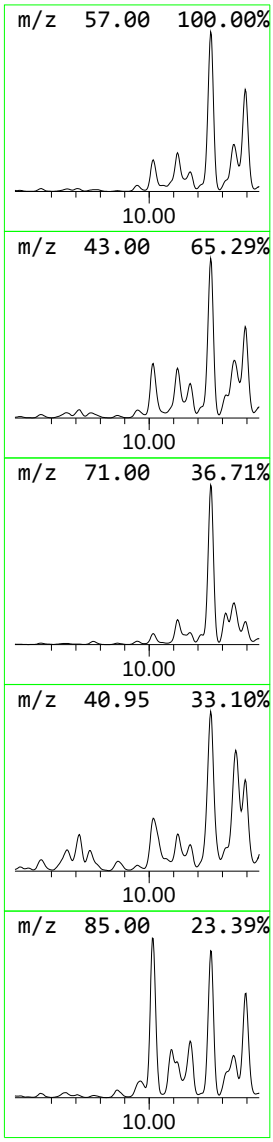
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 27 (DEL) Alkane: Straight-Chai... Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.952	24.71 ug/L	793530	Chlorobenzene-d5	9.422

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane	156	C11H24	001120-21-4	64
2	Undecane, 4,6-dimethyl-	184	C13H28	017312-82-2	59
3	Octane, 3,5-dimethyl-	142	C10H22	015869-93-9	58
4	Heptadecane	240	C17H36	000629-78-7	50
5	Decane, 3,6-dimethyl-	170	C12H26	017312-53-7	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102023\
Data File : VU055831.D
Acq On : 20 Oct 2023 14:39
Operator : MD/SY
Sample : 04948-04
Misc : 5.07g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0AH6

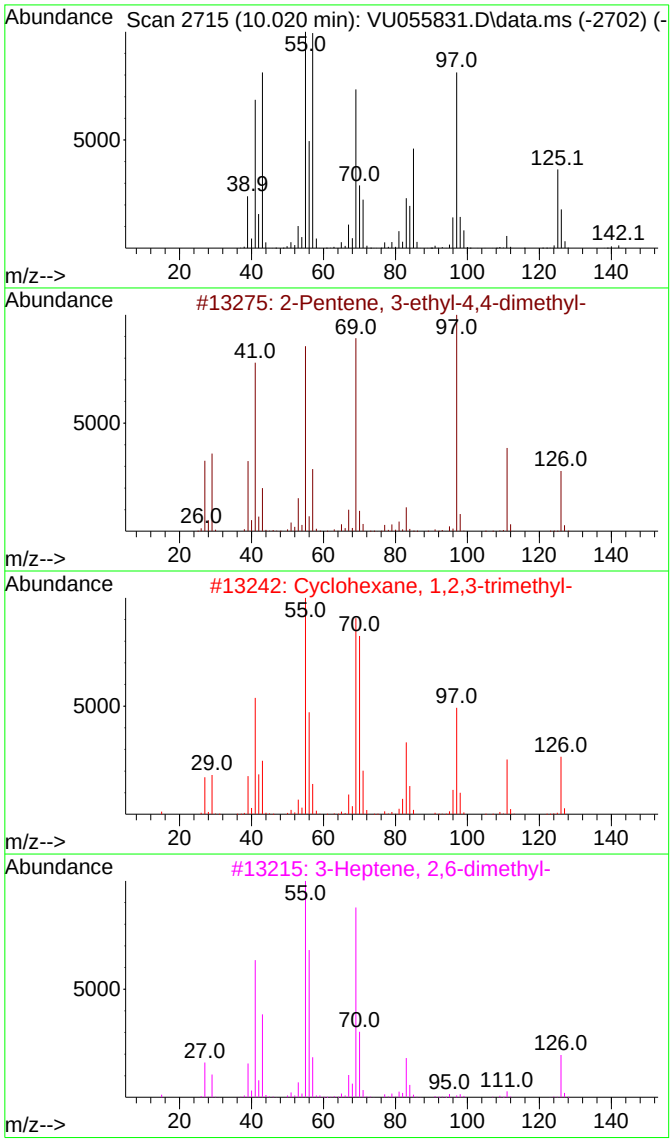
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM101023WMA.M
Quant Title : VOC Analysis

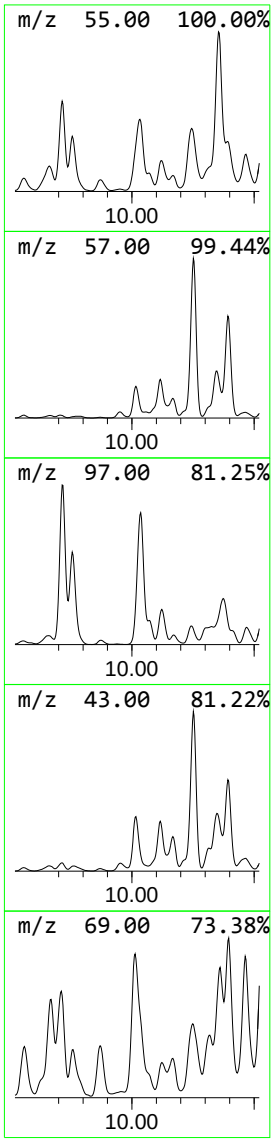
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 28 (DEL) Alkane: Straight-Chai... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.020	449.65 ug/L	14438400	Chlorobenzene-d5	9.422

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentene, 3-ethyl-4,4-dimethyl-	126	C9H18	053907-59-8	46
2	Cyclohexane, 1,2,3-trimethyl-	126	C9H18	001678-97-3	45
3	3-Heptene, 2,6-dimethyl-	126	C9H18	002738-18-3	38
4	1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	30
5	3-Heptene, 2,6-dimethyl-	126	C9H18	002738-18-3	30





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102023\
Data File : VU055831.D
Acq On : 20 Oct 2023 14:39
Operator : MD/SY
Sample : 04948-04
Misc : 5.07g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0AH6

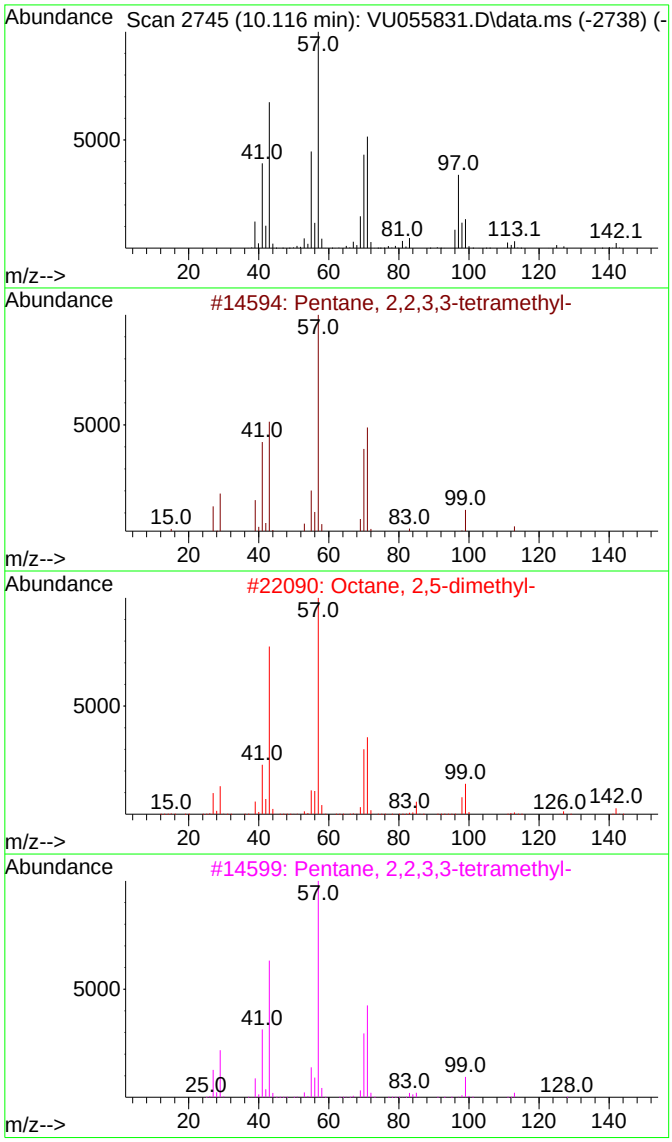
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM101023WMA.M
Quant Title : VOC Analysis

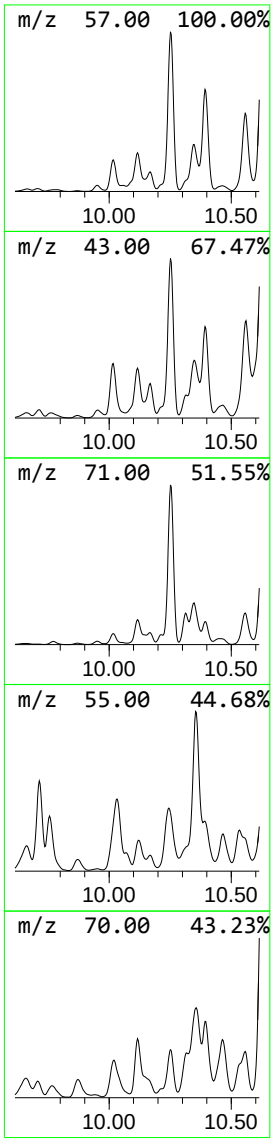
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 29 (DEL) Alkane: Straight-Chai... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.116	150.31 ug/L	4826450	Chlorobenzene-d5	9.422

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,2,3,3-tetramethyl-	128	C9H20	007154-79-2	59
2	Octane, 2,5-dimethyl-	142	C10H22	015869-89-3	58
3	Pentane, 2,2,3,3-tetramethyl-	128	C9H20	007154-79-2	53
4	Undecane, 4,5-dimethyl-	184	C13H28	017312-79-7	50
5	Hexane, 3,3,4-trimethyl-	128	C9H20	016747-31-2	47





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102023\
Data File : VU055831.D
Acq On : 20 Oct 2023 14:39
Operator : MD/SY
Sample : 04948-04
Misc : 5.07g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0AH6

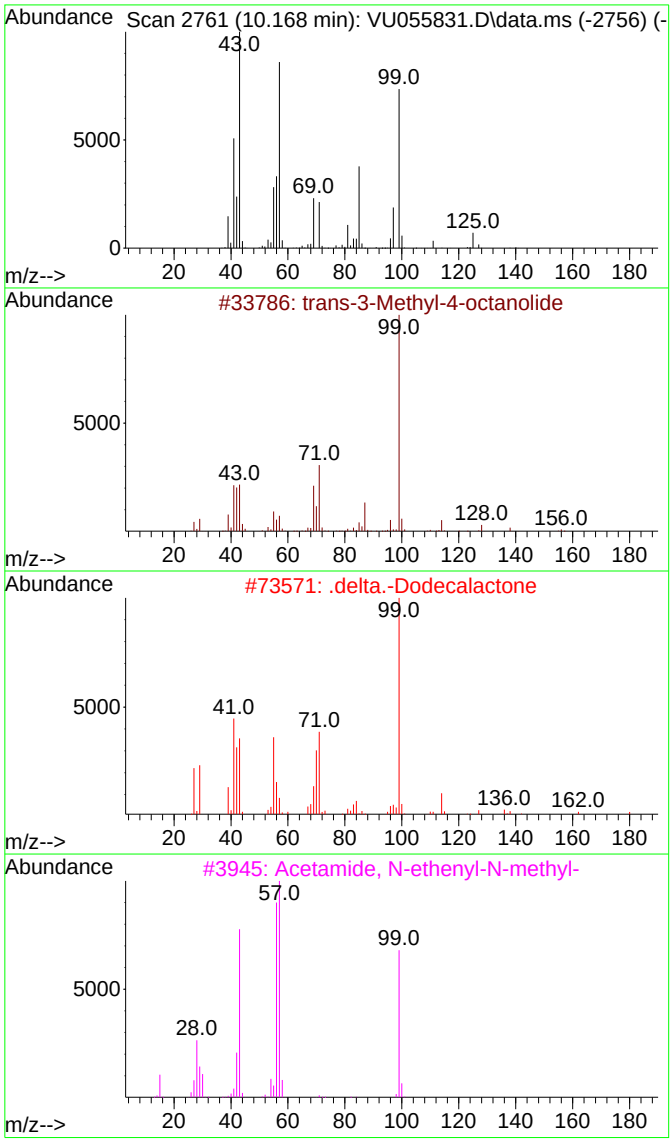
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM101023WMA.M
Quant Title : VOC Analysis

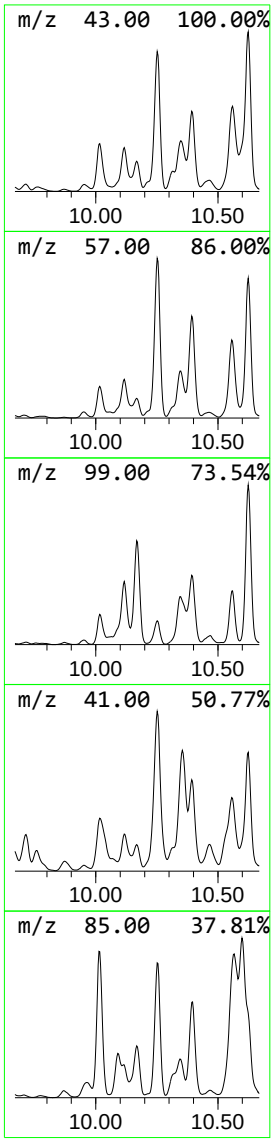
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 30 trans-3-Methyl-4-octanolide Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.168	99.97 ug/L	3209980	Chlorobenzene-d5	9.422

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	trans-3-Methyl-4-octanolide	156	C9H16O2	039638-67-0	50
2	.delta.-Dodecalactone	198	C12H22O2	000713-95-1	50
3	Acetamide, N-ethenyl-N-methyl-	99	C5H9NO	003195-78-6	47
4	Acetamide, N-ethenyl-N-methyl-	99	C5H9NO	003195-78-6	47
5	4H-Imidazol-4-one, 2-amino-1,5-d...	99	C3H5N3O	000503-86-6	47





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102023\
Data File : VU055831.D
Acq On : 20 Oct 2023 14:39
Operator : MD/SY
Sample : 04948-04
Misc : 5.07g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0AH6

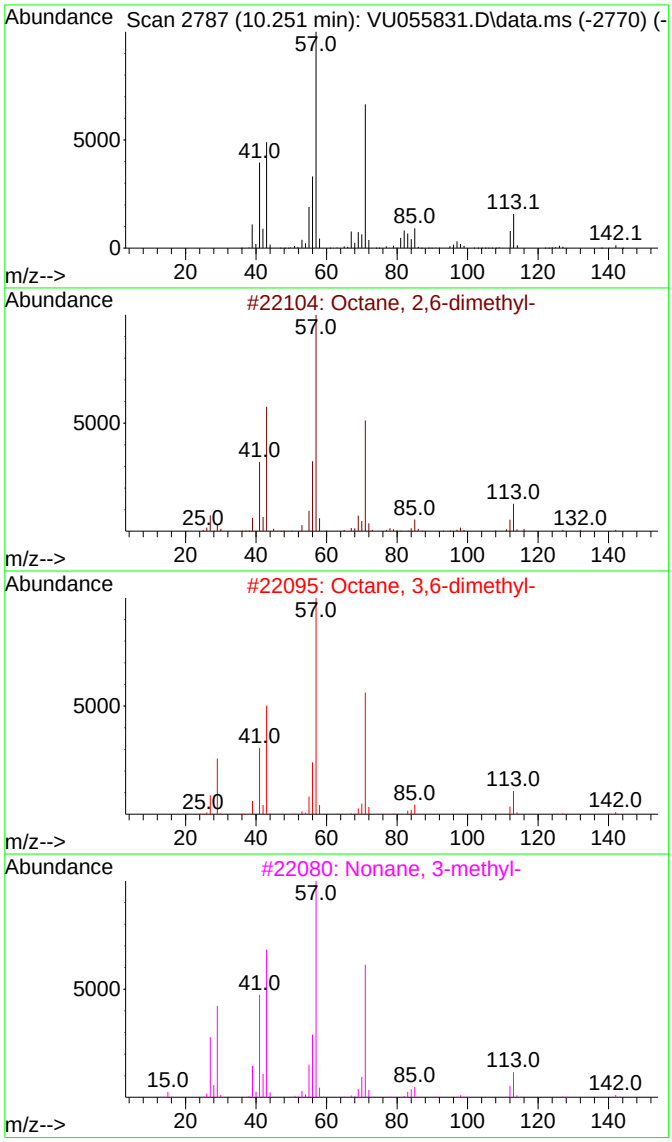
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM101023WMA.M
Quant Title : VOC Analysis

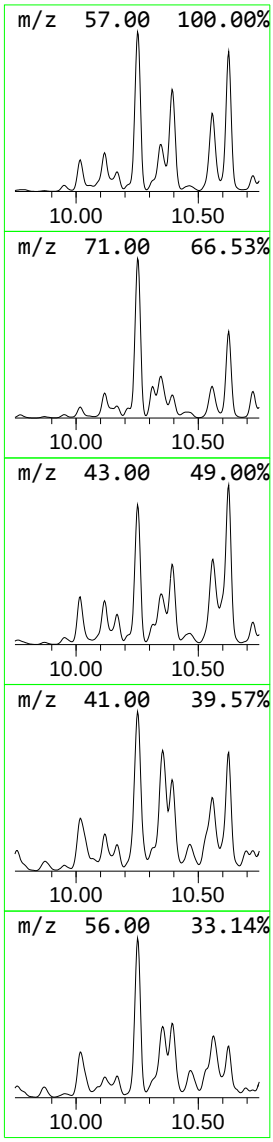
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 31 (DEL) Alkane: Straight-Chai... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.251	981.24 ug/L	31508100	Chlorobenzene-d5	9.422

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	91
2	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	91
3	Nonane, 3-methyl-	142	C10H22	005911-04-6	91
4	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	91
5	Nonane, 3-methyl-	142	C10H22	005911-04-6	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102023\
Data File : VU055831.D
Acq On : 20 Oct 2023 14:39
Operator : MD/SY
Sample : 04948-04
Misc : 5.07g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0AH6

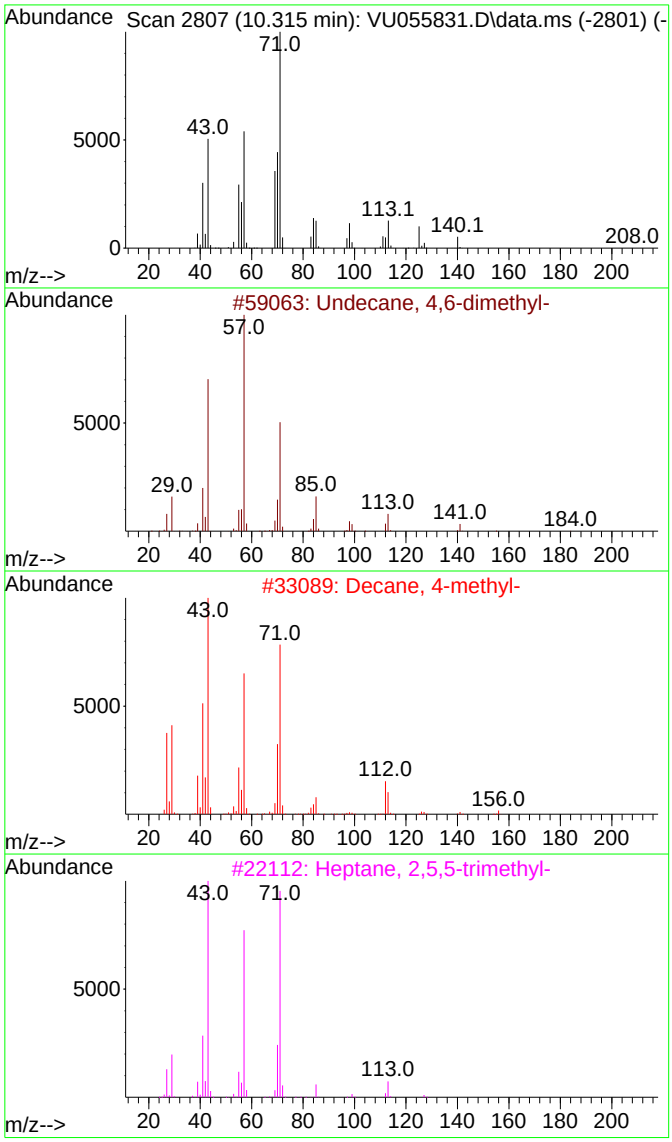
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM101023WMA.M
Quant Title : VOC Analysis

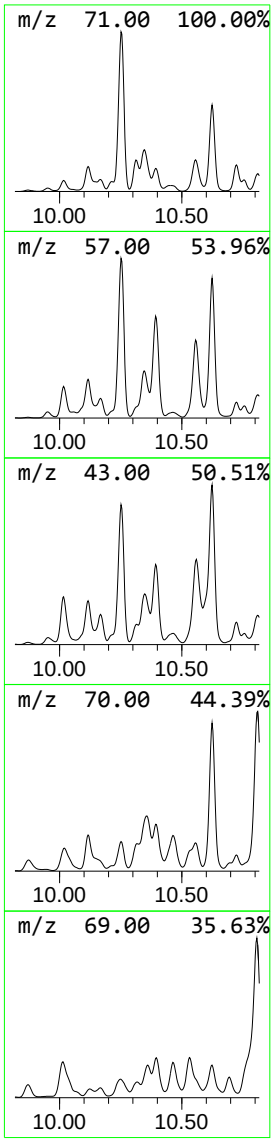
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 32 (DEL) Alkane: Straight-Chai... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.316	54.11 ug/L	1737360	Chlorobenzene-d5	9.422

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 4,6-dimethyl-	184	C13H28	017312-82-2	59
2	Decane, 4-methyl-	156	C11H24	002847-72-5	59
3	Heptane, 2,5,5-trimethyl-	142	C10H22	001189-99-7	50
4	Octane, 3,3-dimethyl-	142	C10H22	004110-44-5	50
5	Octane, 3,3-dimethyl-	142	C10H22	004110-44-5	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102023\
Data File : VU055831.D
Acq On : 20 Oct 2023 14:39
Operator : MD/SY
Sample : 04948-04
Misc : 5.07g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0AH6

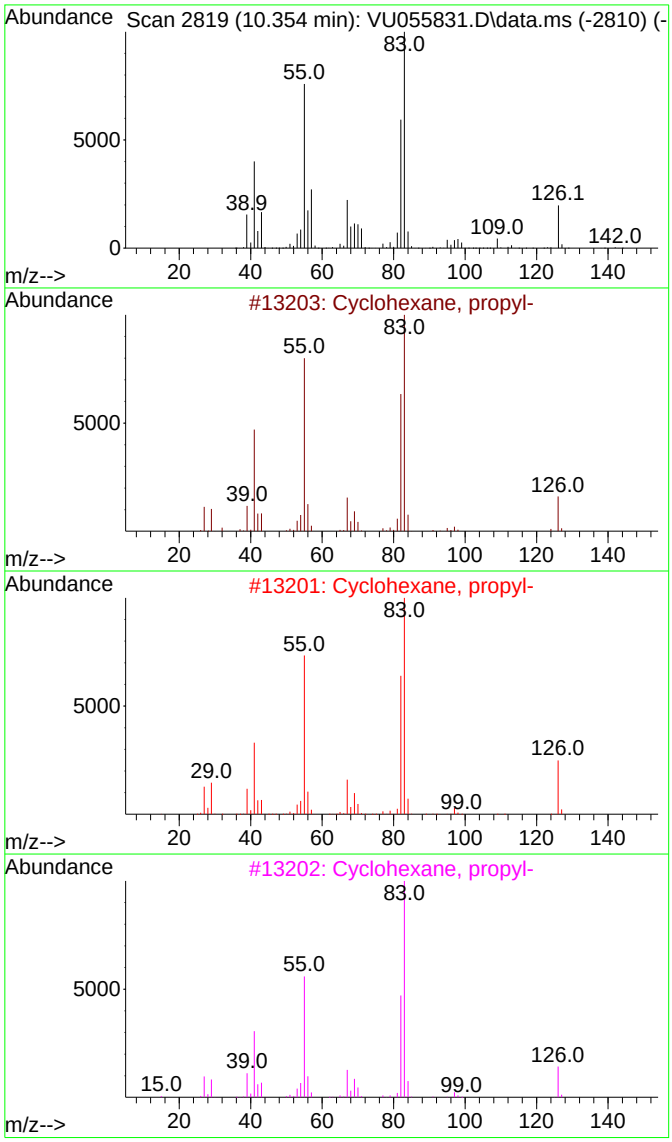
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM101023WMA.M
Quant Title : VOC Analysis

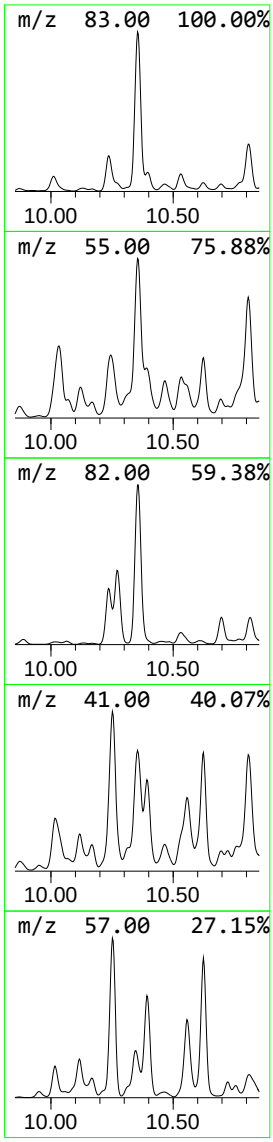
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 33 (DEL) Alkane: Cyclic10.354 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.354	704.06 ug/L	22607800	Chlorobenzene-d5	9.422

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, propyl-	126	C9H18	001678-92-8	90
2	Cyclohexane, propyl-	126	C9H18	001678-92-8	87
3	Cyclohexane, propyl-	126	C9H18	001678-92-8	87
4	Cyclohexane, propyl-	126	C9H18	001678-92-8	87
5	Cyclohexane, propyl-	126	C9H18	001678-92-8	81





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102023\
Data File : VU055831.D
Acq On : 20 Oct 2023 14:39
Operator : MD/SY
Sample : 04948-04
Misc : 5.07g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0AH6

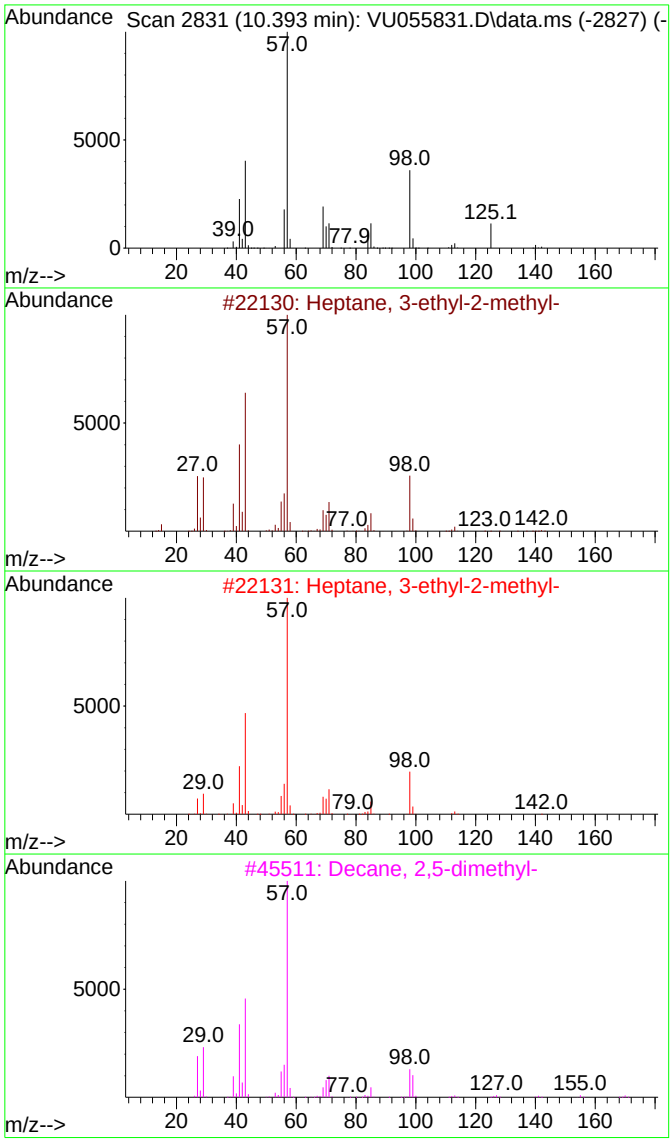
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM101023WMA.M
Quant Title : VOC Analysis

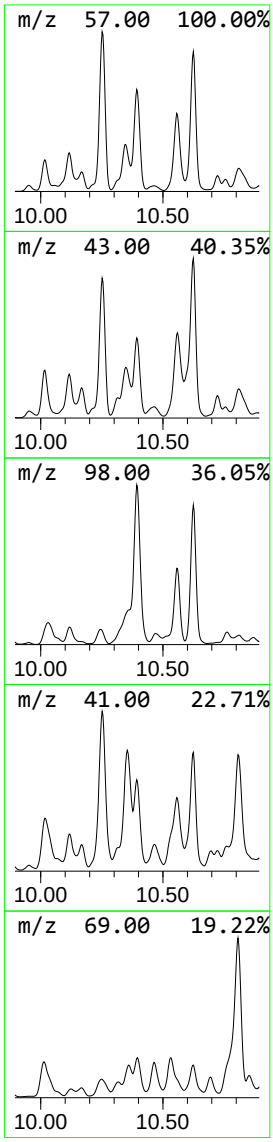
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 34 (DEL) Alkane: Straight-Chai... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.393	388.75 ug/L	12483000	Chlorobenzene-d5	9.422

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	80
2	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	72
3	Decane, 2,5-dimethyl-	170	C12H26	017312-50-4	50
4	Heptane, 4-(1-methylethyl)-	142	C10H22	052896-87-4	50
5	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	45





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102023\
Data File : VU055831.D
Acq On : 20 Oct 2023 14:39
Operator : MD/SY
Sample : 04948-04
Misc : 5.07g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0AH6

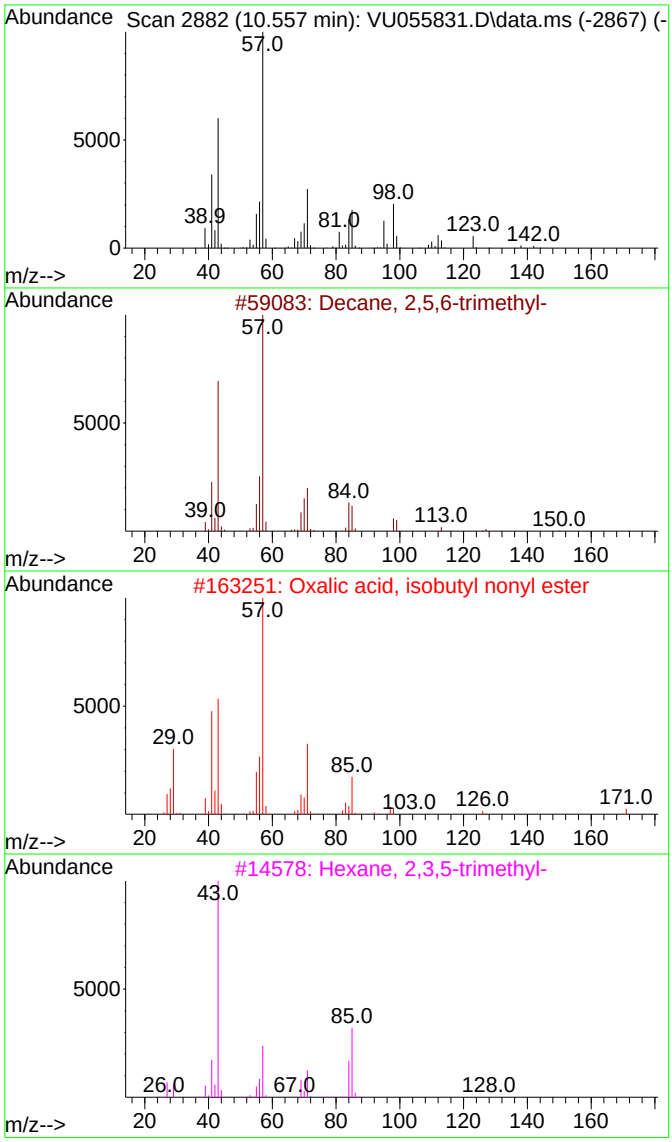
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM101023WMA.M
Quant Title : VOC Analysis

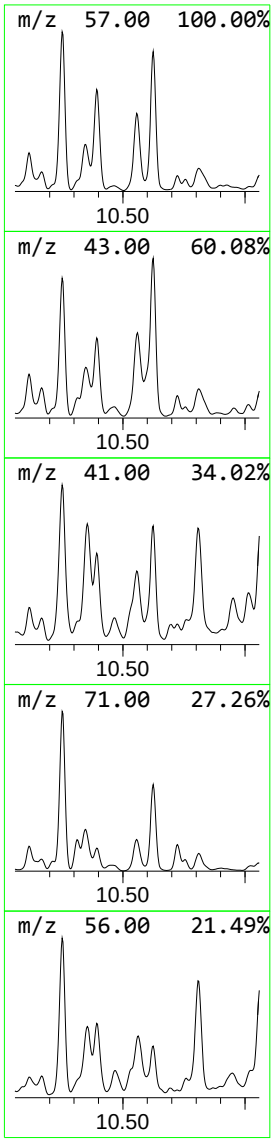
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 35 (DEL) Alkane: Straight-Chai... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.557	511.49 ug/L	16424000	Chlorobenzene-d5	9.422

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 2,5,6-trimethyl-	184	C13H28	062108-23-0	49
2	Oxalic acid, isobutyl nonyl ester	272	C15H28O4	1010309-37-4	47
3	Hexane, 2,3,5-trimethyl-	128	C9H20	001069-53-0	43
4	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	43
5	Octane, 2,3-dimethyl-	142	C10H22	007146-60-3	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102023\
Data File : VU055831.D
Acq On : 20 Oct 2023 14:39
Operator : MD/SY
Sample : 04948-04
Misc : 5.07g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0AH6

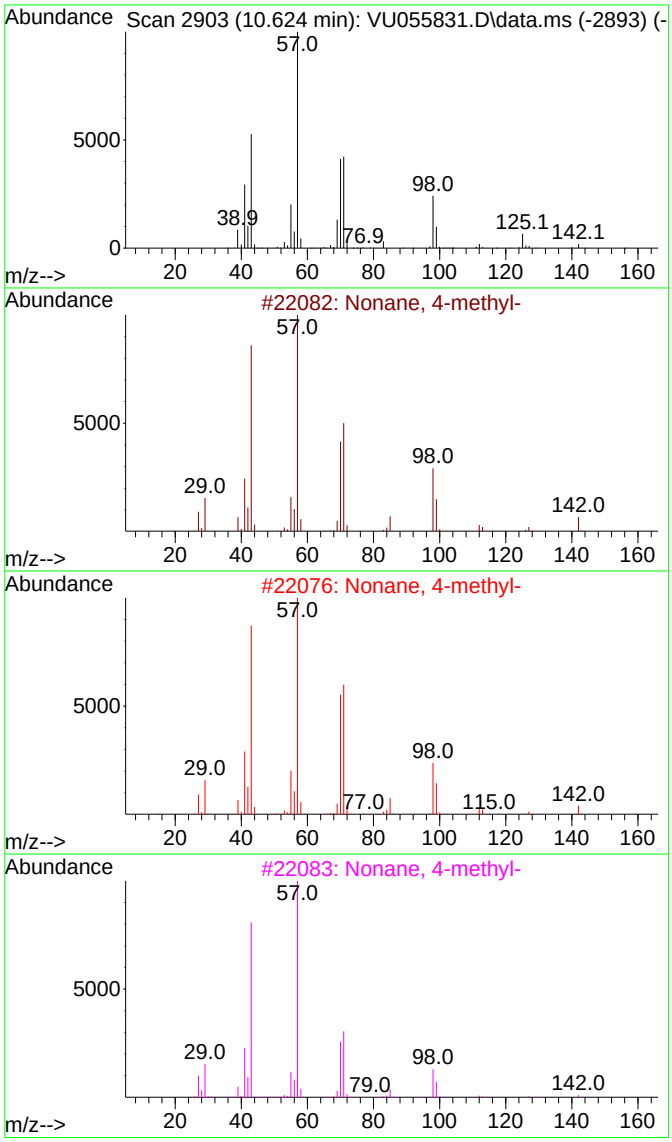
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM101023WMA.M
Quant Title : VOC Analysis

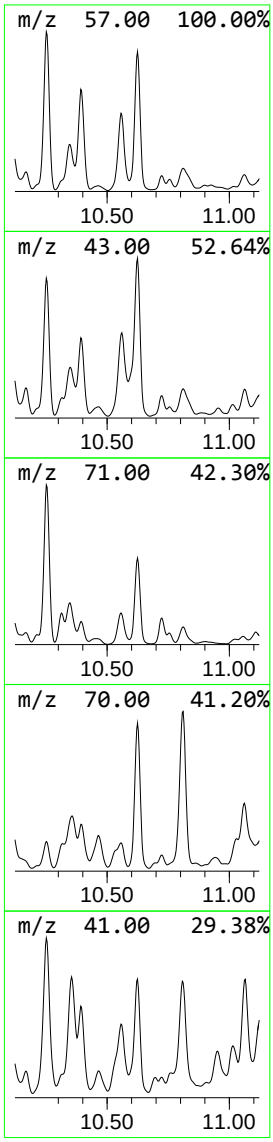
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 36 (DEL) Alkane: Straight-Chai... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.624	85.55 ug/L	21387300	1,4-Dichlorobenzene-d4	11.814

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 4-methyl-	142	C10H22	017301-94-9	64
2	Nonane, 4-methyl-	142	C10H22	017301-94-9	59
3	Nonane, 4-methyl-	142	C10H22	017301-94-9	53
4	Hexane, 3,3,4-trimethyl-	128	C9H20	016747-31-2	47
5	Heptane, 1,1'-oxybis-	214	C14H30O	000629-64-1	47





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102023\
Data File : VU055831.D
Acq On : 20 Oct 2023 14:39
Operator : MD/SY
Sample : 04948-04
Misc : 5.07g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0AH6

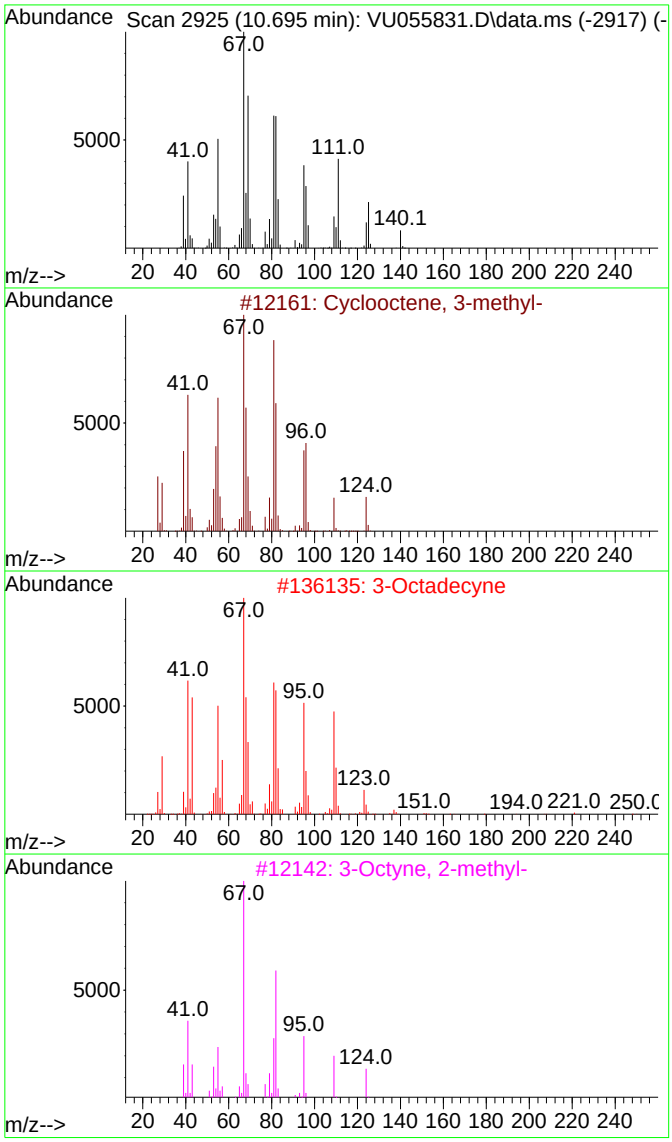
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM101023WMA.M
Quant Title : VOC Analysis

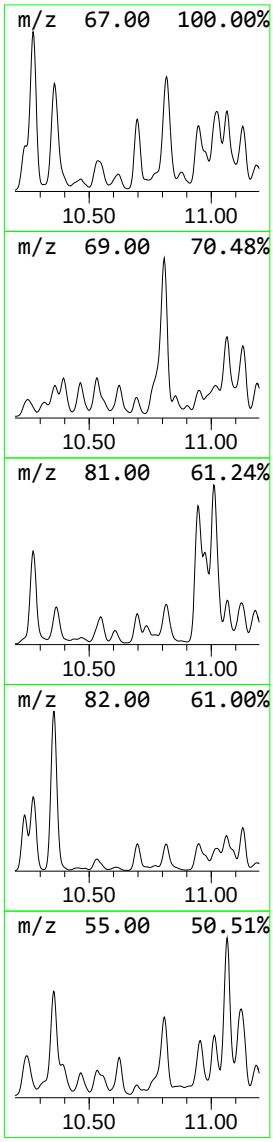
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 37 Cyclooctene, 3-methyl- Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.695	16.71 ug/L	4176730	1,4-Dichlorobenzene-d4	11.814

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclooctene, 3-methyl-	124	C9H16	013152-05-1	86
2	3-Octadecyne	250	C18H34	061886-64-4	52
3	3-Octyne, 2-methyl-	124	C9H16	055402-15-8	46
4	3-Octyne, 2-methyl-	124	C9H16	055402-15-8	46
5	4-Nonyne	124	C9H16	020184-91-2	46





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102023\
Data File : VU055831.D
Acq On : 20 Oct 2023 14:39
Operator : MD/SY
Sample : 04948-04
Misc : 5.07g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0AH6

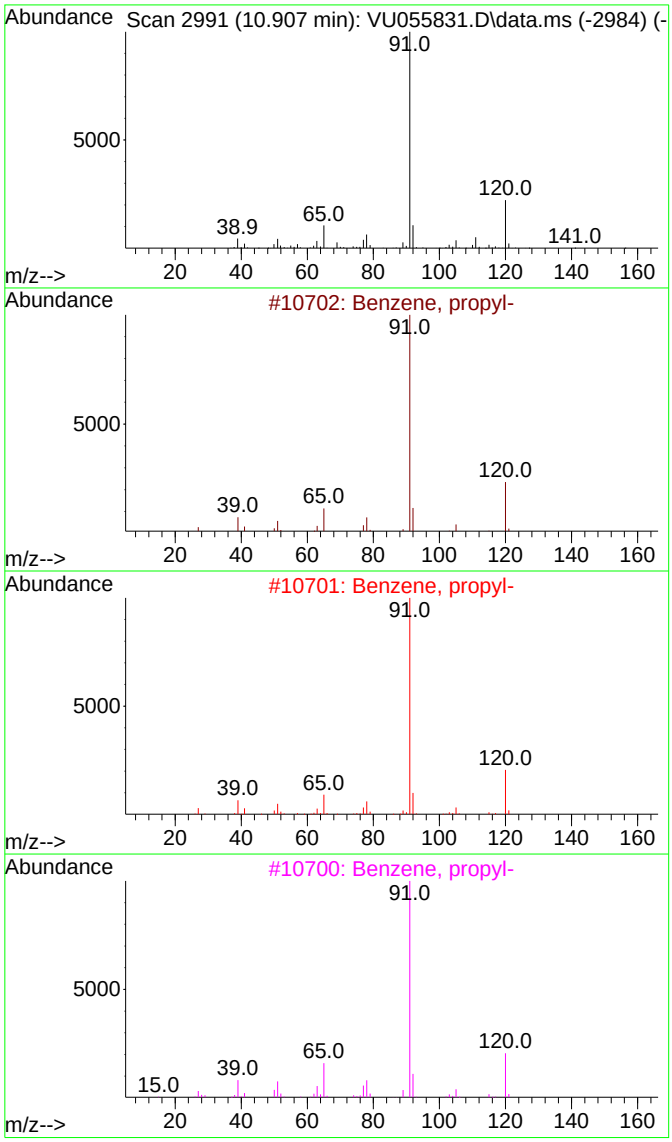
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM101023WMA.M
Quant Title : VOC Analysis

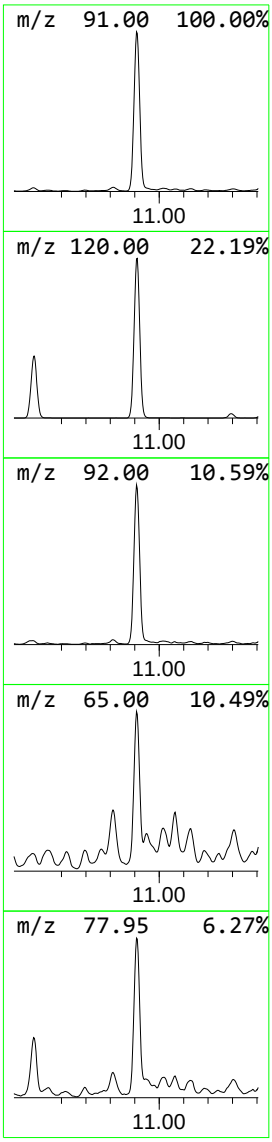
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 38 Benzene, propyl- Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.907	17.91 ug/L	4476860	1,4-Dichlorobenzene-d4	11.814

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, propyl-	120	C9H12	000103-65-1	93
2	Benzene, propyl-	120	C9H12	000103-65-1	87
3	Benzene, propyl-	120	C9H12	000103-65-1	87
4	Benzene, propyl-	120	C9H12	000103-65-1	87
5	Ethanol, 2-[(phenylmethyl)amino]-	151	C9H13NO	000104-63-2	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102023\
Data File : VU055831.D
Acq On : 20 Oct 2023 14:39
Operator : MD/SY
Sample : 04948-04
Misc : 5.07g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0AH6

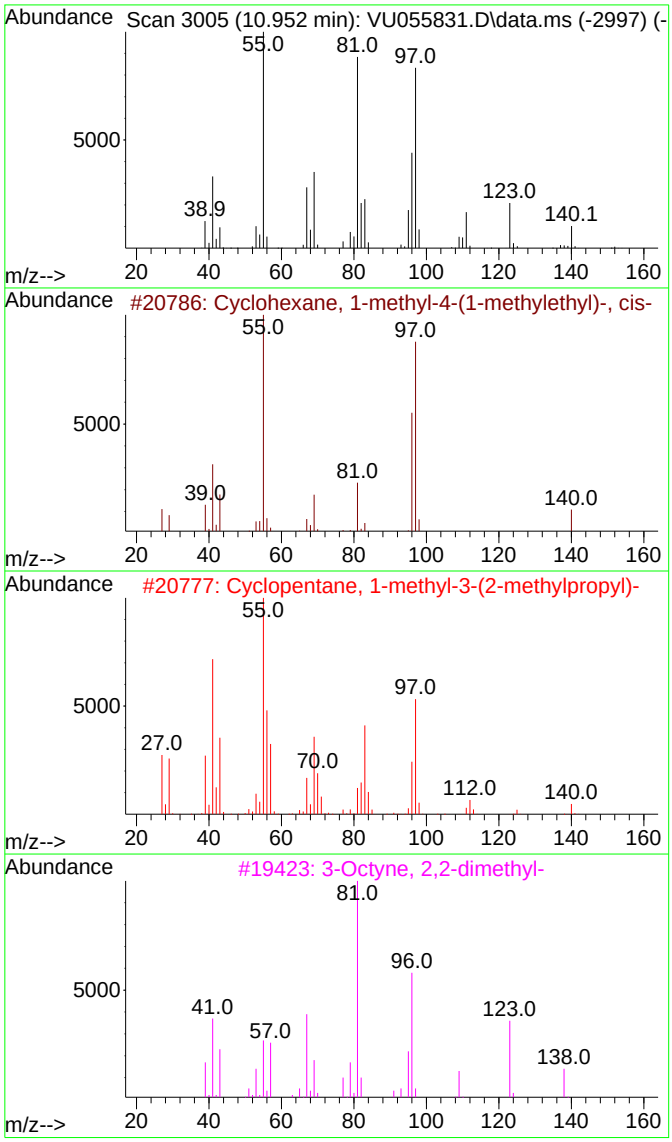
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM101023WMA.M
Quant Title : VOC Analysis

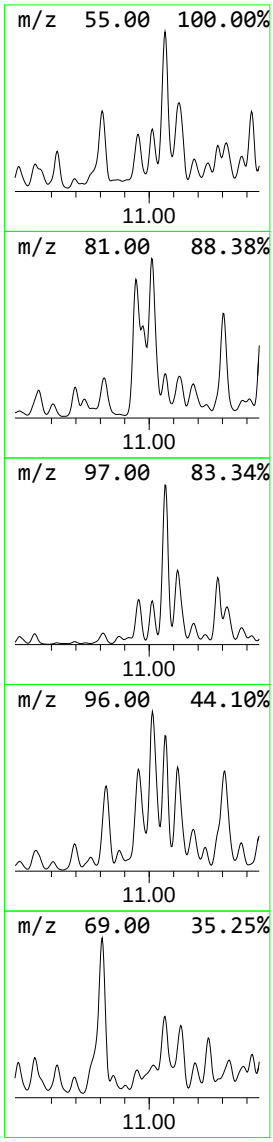
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 39 (DEL) Alkane: Cyclic10.952 Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.952	27.25 ug/L	6813470	1,4-Dichlorobenzene-d4	11.814

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	006069-98-3	43
2	Cyclopentane, 1-methyl-3-(2-meth...	140	C10H20	029053-04-1	43
3	3-Octyne, 2,2-dimethyl-	138	C10H18	019482-57-6	43
4	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	006069-98-3	43
5	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	001678-82-6	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102023\
Data File : VU055831.D
Acq On : 20 Oct 2023 14:39
Operator : MD/SY
Sample : 04948-04
Misc : 5.07g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0AH6

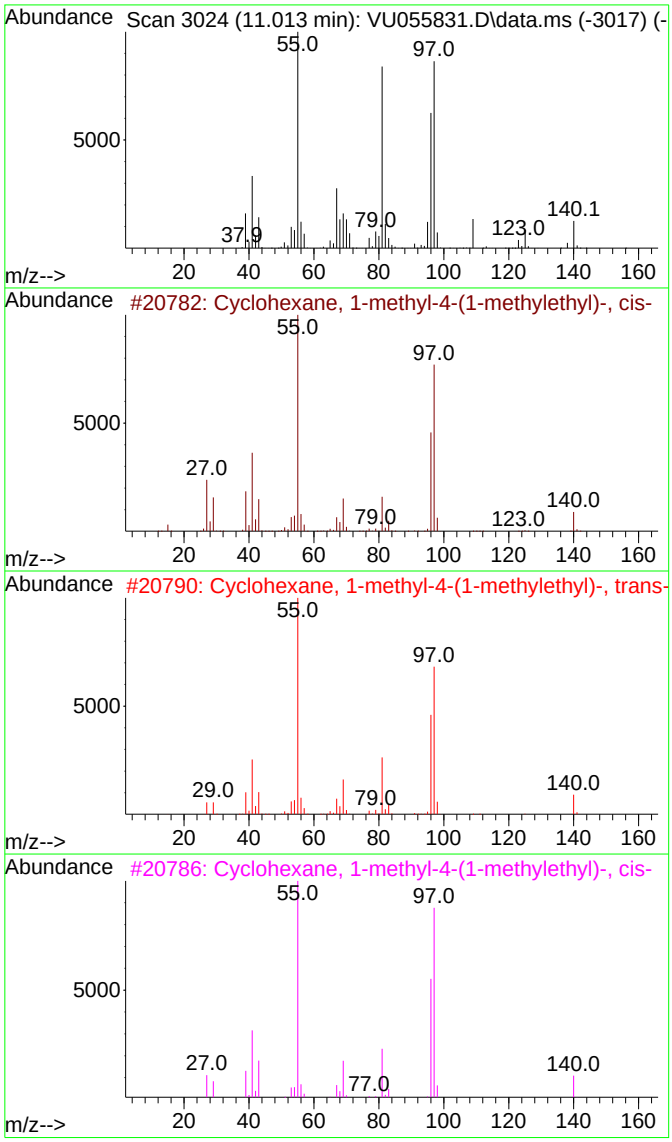
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM101023WMA.M
Quant Title : VOC Analysis

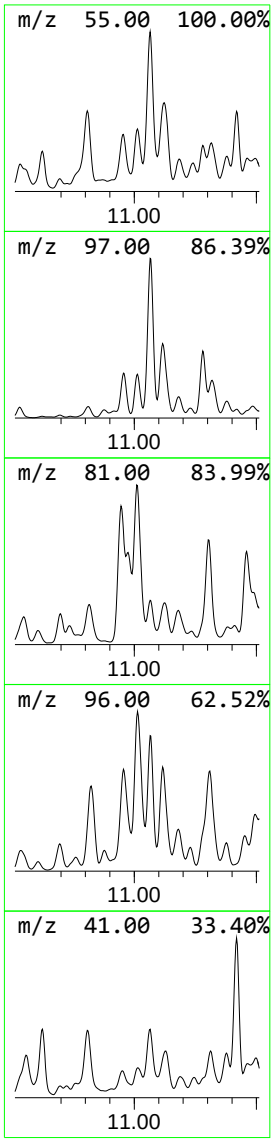
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 40 (DEL) Alkane: Cyclic11.013 Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.013	31.16 ug/L	7789280	1,4-Dichlorobenzene-d4	11.814

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	006069-98-3	60
2	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	001678-82-6	55
3	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	006069-98-3	55
4	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	001678-82-6	53
5	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	001678-82-6	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102023\
Data File : VU055831.D
Acq On : 20 Oct 2023 14:39
Operator : MD/SY
Sample : 04948-04
Misc : 5.07g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0AH6

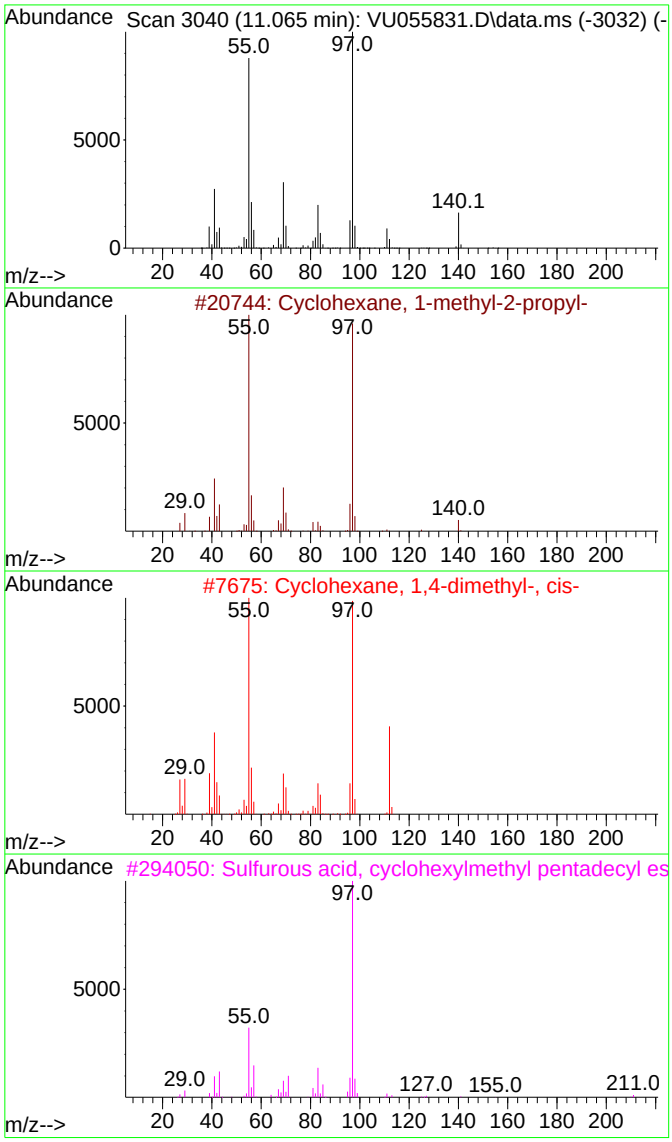
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM101023WMA.M
Quant Title : VOC Analysis

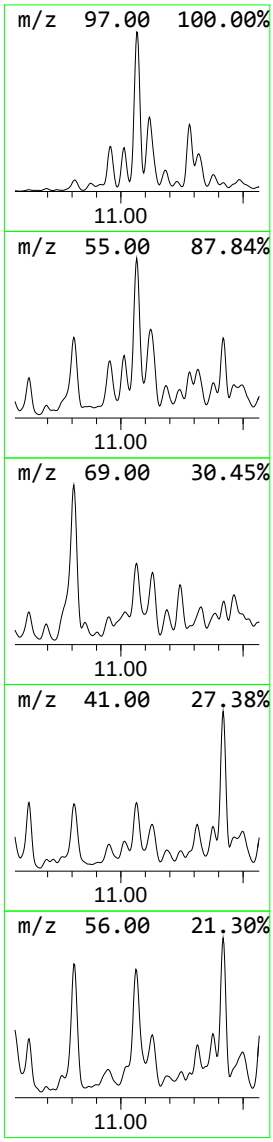
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 41 (DEL) Alkane: Cyclic11.065 Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.065	69.40 ug/L	17349500	1,4-Dichlorobenzene-d4	11.814

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-methyl-2-propyl-	140	C10H20	004291-79-6	64
2	Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	64
3	Sulfurous acid, cyclohexylmethyl...	388	C22H44O3S	1000309-22-3	64
4	Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	59
5	Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102023\
Data File : VU055831.D
Acq On : 20 Oct 2023 14:39
Operator : MD/SY
Sample : 04948-04
Misc : 5.07g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0AH6

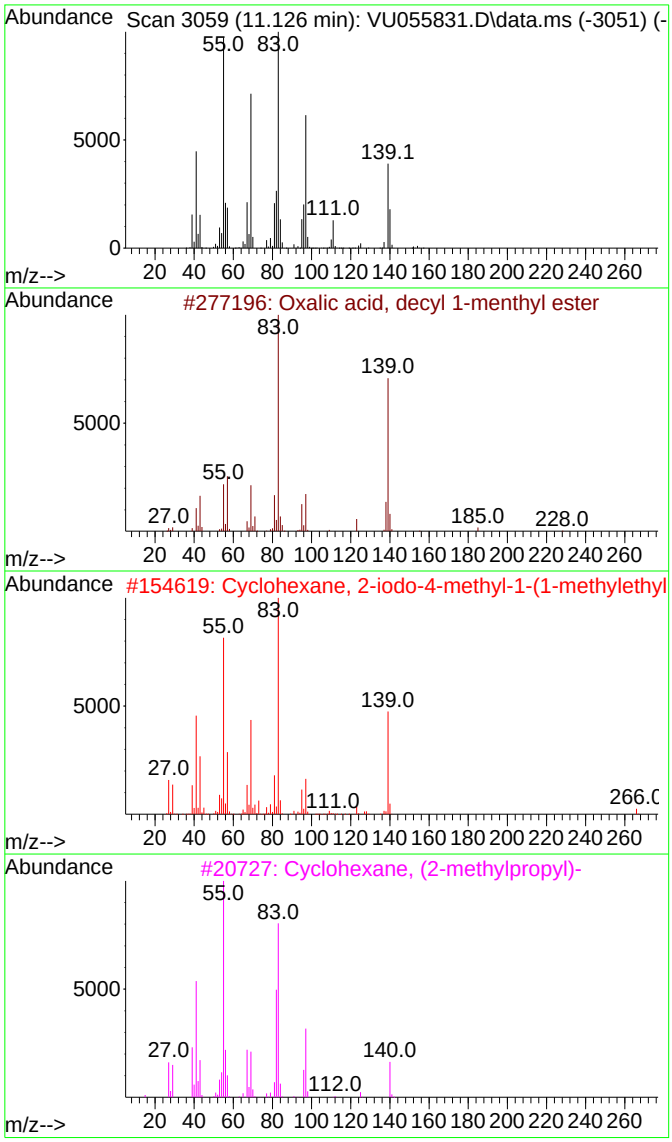
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM101023WMA.M
Quant Title : VOC Analysis

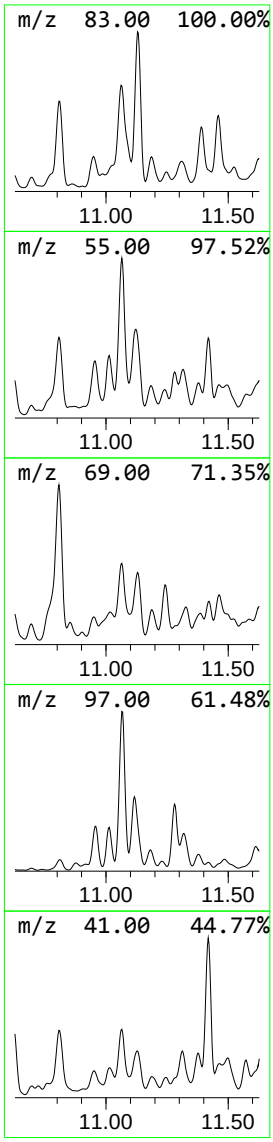
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 42 Oxalic acid, decyl 1-menthy... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.126	70.04 ug/L	17508100	1,4-Dichlorobenzene-d4	11.814

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Oxalic acid, decyl 1-menthyl ester	368	C22H40O4	1000314-97-8	50
2	Cyclohexane, 2-iodo-4-methyl-1-(...	266	C10H19I	064240-81-9	47
3	Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	46
4	Cyclohexane, butyl-	140	C10H20	001678-93-9	38
5	Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102023\
Data File : VU055831.D
Acq On : 20 Oct 2023 14:39
Operator : MD/SY
Sample : 04948-04
Misc : 5.07g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0AH6

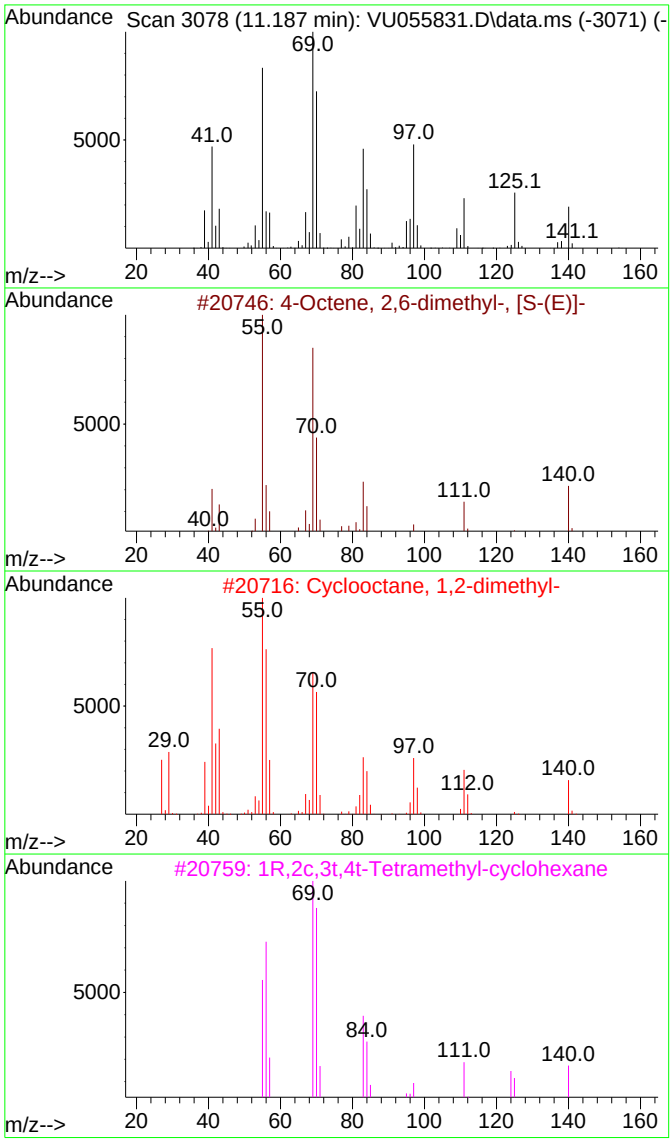
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM101023WMA.M
Quant Title : VOC Analysis

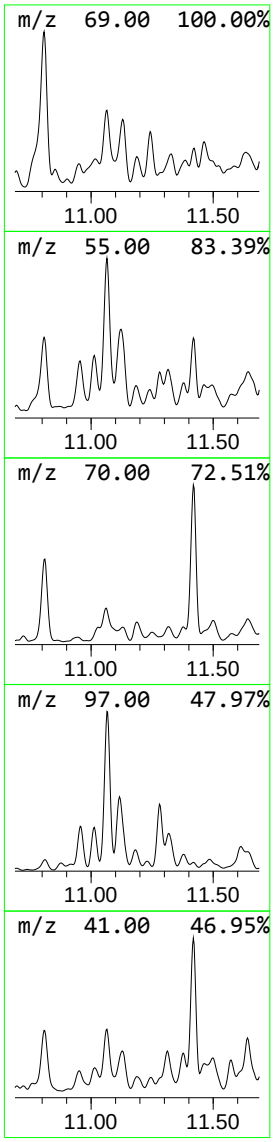
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 43 (DEL) Alkane: Straight-Chai... Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.187	19.46 ug/L	4865390	1,4-Dichlorobenzene-d4	11.814

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Octene, 2,6-dimethyl-, [S-(E)]-	140	C10H20	062960-76-3	76
2	Cyclooctane, 1,2-dimethyl-	140	C10H20	013151-94-5	74
3	1R,2c,3t,4t-Tetramethyl-cyclohexane	140	C10H20	1000144-07-3	64
4	4-Octene, 2,6-dimethyl-, [S-(E)]-	140	C10H20	062960-76-3	53
5	3-Ethyl-3-octene	140	C10H20	019781-31-8	46





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102023\
Data File : VU055831.D
Acq On : 20 Oct 2023 14:39
Operator : MD/SY
Sample : 04948-04
Misc : 5.07g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0AH6

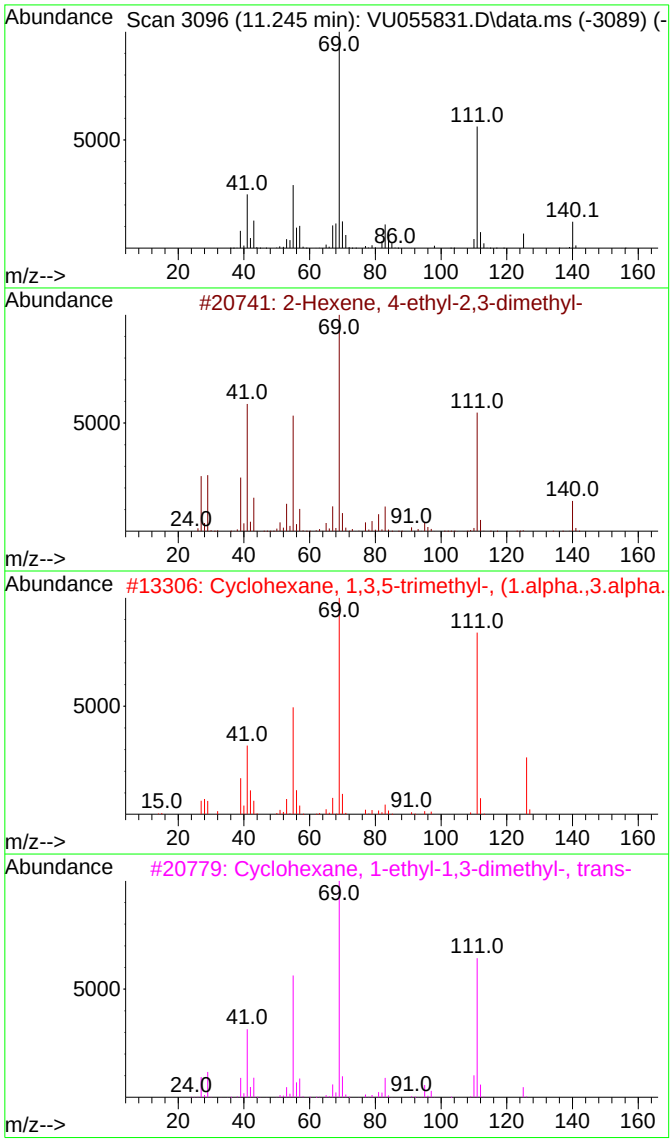
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM101023WMA.M
Quant Title : VOC Analysis

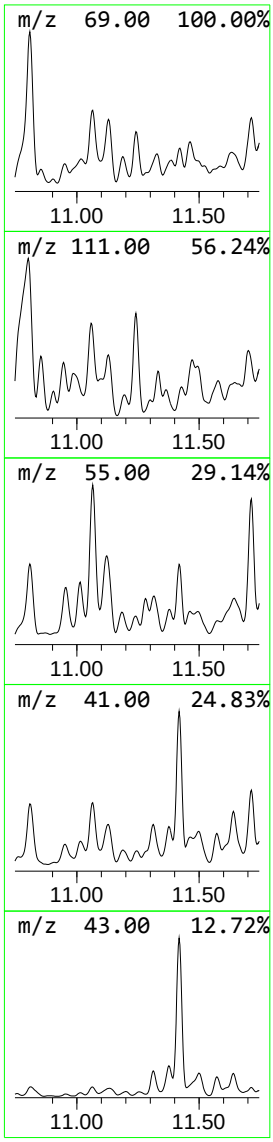
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 44 (DEL) Alkane: Straight-Chai... Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.245	11.43 ug/L	2858620	1,4-Dichlorobenzene-d4	11.814

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hexene, 4-ethyl-2,3-dimethyl-	140	C10H20	1000149-19-7	72
2	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	64
3	Cyclohexane, 1-ethyl-1,3-dimethy...	140	C10H20	062238-29-3	64
4	Cyclohexane, 1,2-diethyl-, cis-	140	C10H20	000824-43-1	59
5	2-Octene, 2,7-dimethyl-	140	C10H20	002050-81-9	52





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102023\
Data File : VU055831.D
Acq On : 20 Oct 2023 14:39
Operator : MD/SY
Sample : 04948-04
Misc : 5.07g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0AH6

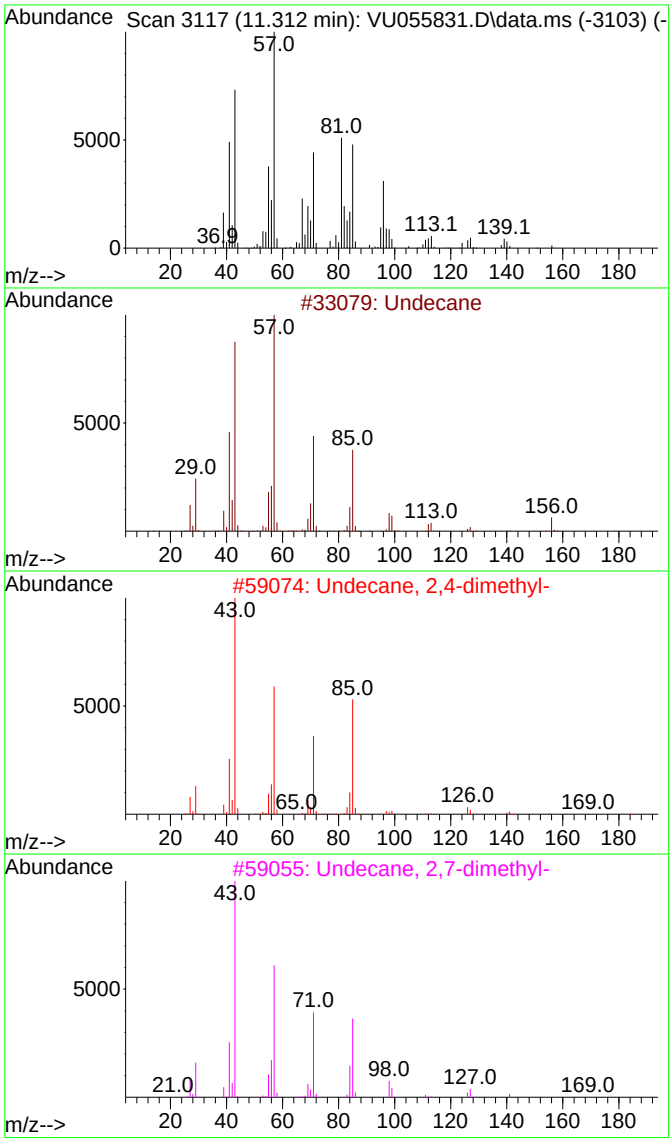
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM101023WMA.M
Quant Title : VOC Analysis

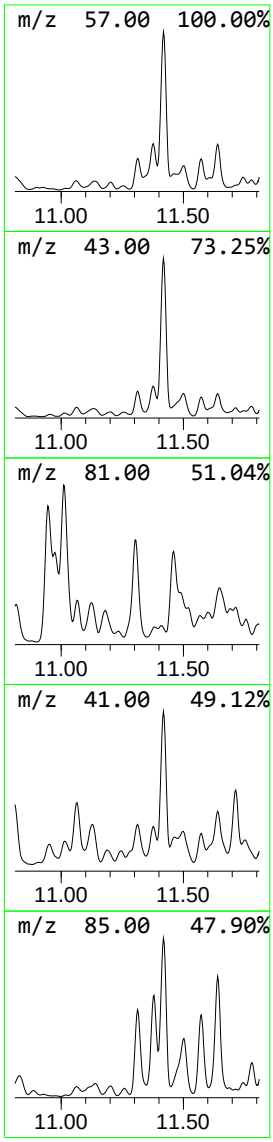
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 45 (DEL) Alkane: Straight-Chai... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.312	58.25 ug/L	14562600	1,4-Dichlorobenzene-d4	11.814

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane	156	C11H24	001120-21-4	53
2	Undecane, 2,4-dimethyl-	184	C13H28	017312-80-0	47
3	Undecane, 2,7-dimethyl-	184	C13H28	017301-24-5	46
4	Sulfurous acid, butyl undecyl ester	292	C15H32O3S	1000309-17-8	43
5	Decane, 1-iodo-	268	C10H21I	002050-77-3	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102023\
Data File : VU055831.D
Acq On : 20 Oct 2023 14:39
Operator : MD/SY
Sample : 04948-04
Misc : 5.07g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0AH6

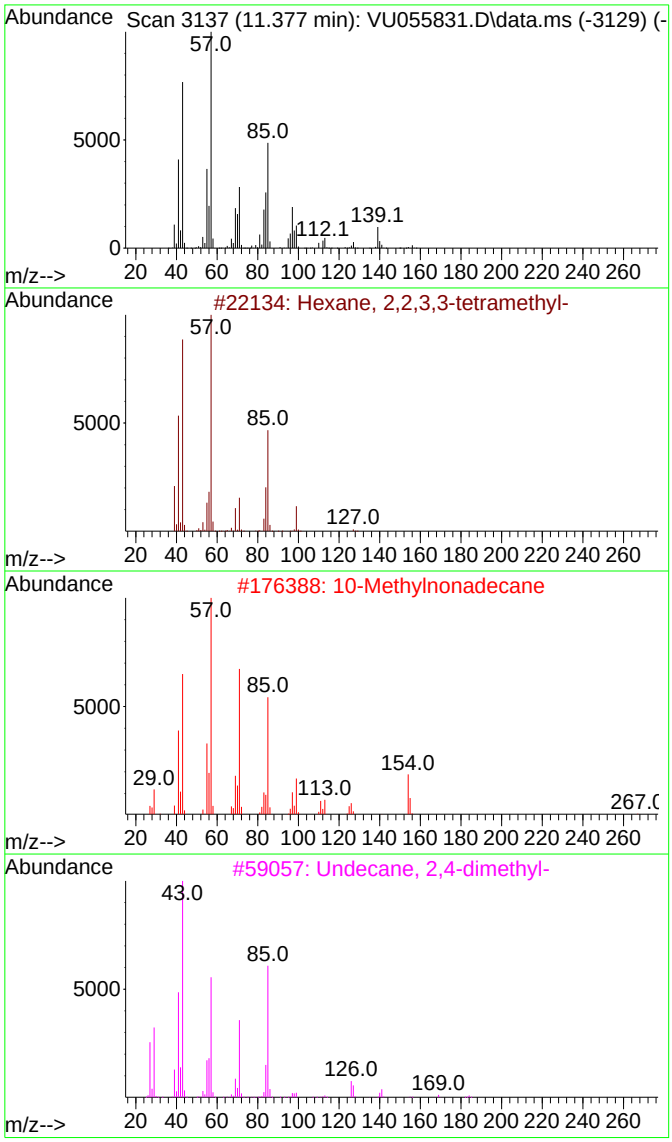
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM101023WMA.M
Quant Title : VOC Analysis

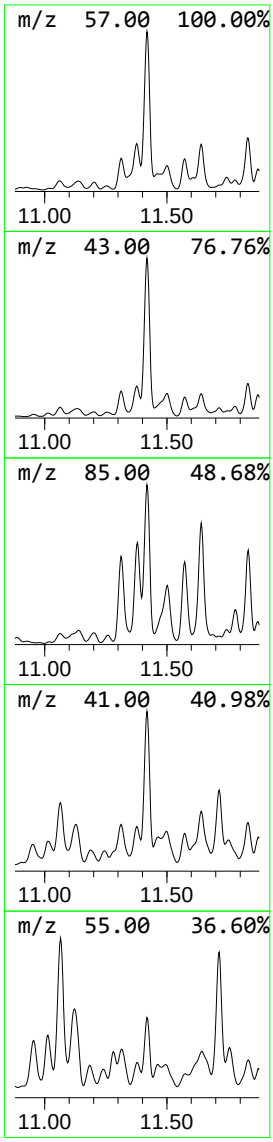
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 46 (DEL) Alkane: Straight-Chai... Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.377	36.03 ug/L	9006950	1,4-Dichlorobenzene-d4	11.814

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,2,3,3-tetramethyl-	142	C10H22	013475-81-5	53
2	10-Methylnonadecane	282	C20H42	056862-62-5	50
3	Undecane, 2,4-dimethyl-	184	C13H28	017312-80-0	47
4	Hexane, 2,3,3-trimethyl-	128	C9H20	016747-28-7	47
5	Octane, 2,4,6-trimethyl-	156	C11H24	062016-37-9	47





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102023\
Data File : VU055831.D
Acq On : 20 Oct 2023 14:39
Operator : MD/SY
Sample : 04948-04
Misc : 5.07g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0AH6

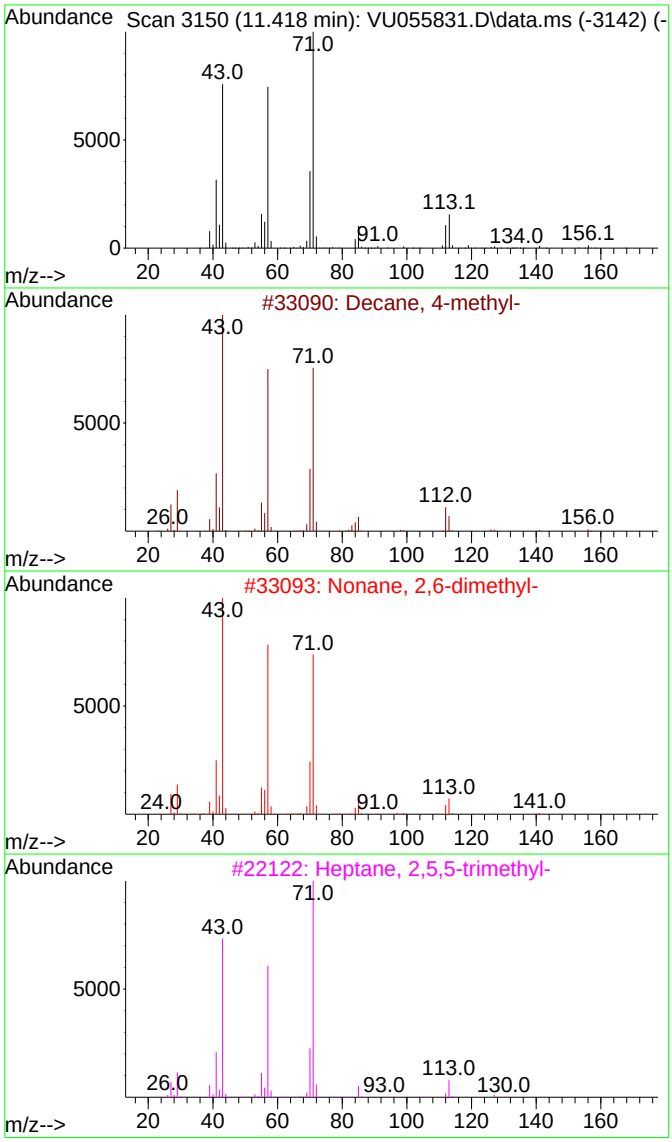
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM101023WMA.M
Quant Title : VOC Analysis

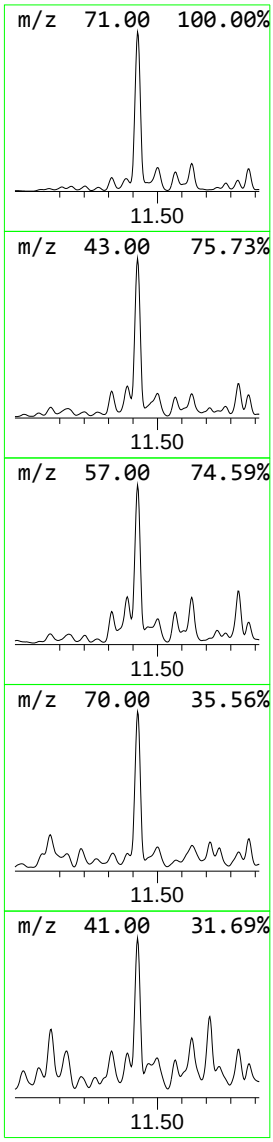
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 47 (DEL) Alkane: Straight-Chai... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.418	144.46 ug/L	36113100	1,4-Dichlorobenzene-d4	11.814

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 4-methyl-	156	C11H24	002847-72-5	91
2	Nonane, 2,6-dimethyl-	156	C11H24	017302-28-2	91
3	Heptane, 2,5,5-trimethyl-	142	C10H22	001189-99-7	72
4	Heptane, 3,3,5-trimethyl-	142	C10H22	007154-80-5	72
5	Octane, 3,3-dimethyl-	142	C10H22	004110-44-5	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102023\
Data File : VU055831.D
Acq On : 20 Oct 2023 14:39
Operator : MD/SY
Sample : 04948-04
Misc : 5.07g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0AH6

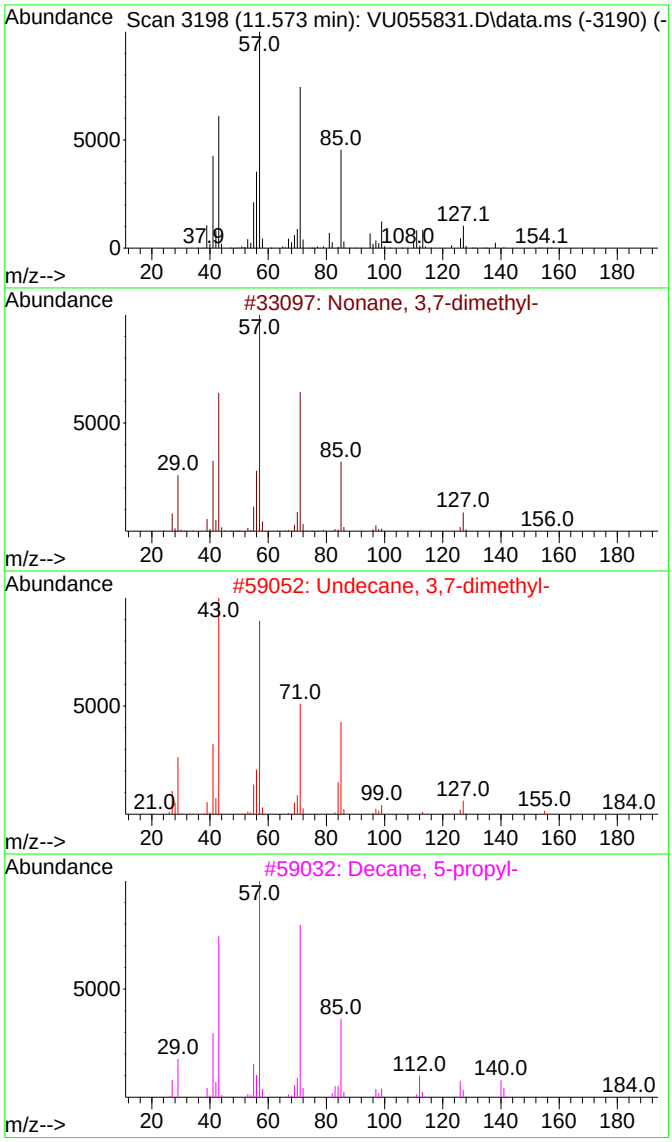
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM101023WMA.M
Quant Title : VOC Analysis

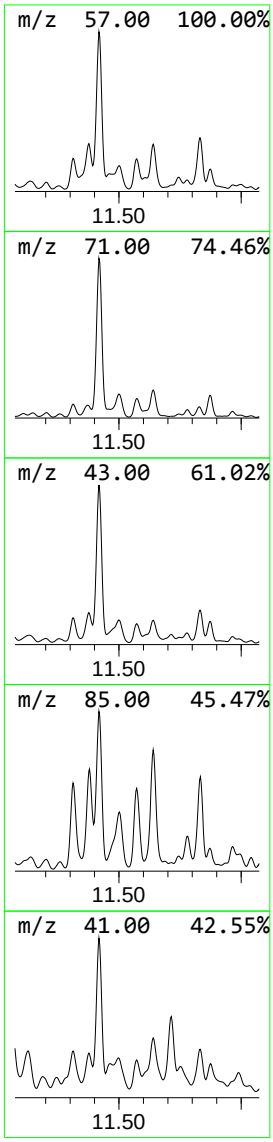
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 49 (DEL) Alkane: Straight-Chai... Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.573	33.75 ug/L	8436260	1,4-Dichlorobenzene-d4	11.814

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	90
2	Undecane, 3,7-dimethyl-	184	C13H28	017301-29-0	64
3	Decane, 5-propyl-	184	C13H28	017312-62-8	64
4	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	59
5	Nonane, 1-iodo-	254	C9H19I	004282-42-2	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102023\
Data File : VU055831.D
Acq On : 20 Oct 2023 14:39
Operator : MD/SY
Sample : 04948-04
Misc : 5.07g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0AH6

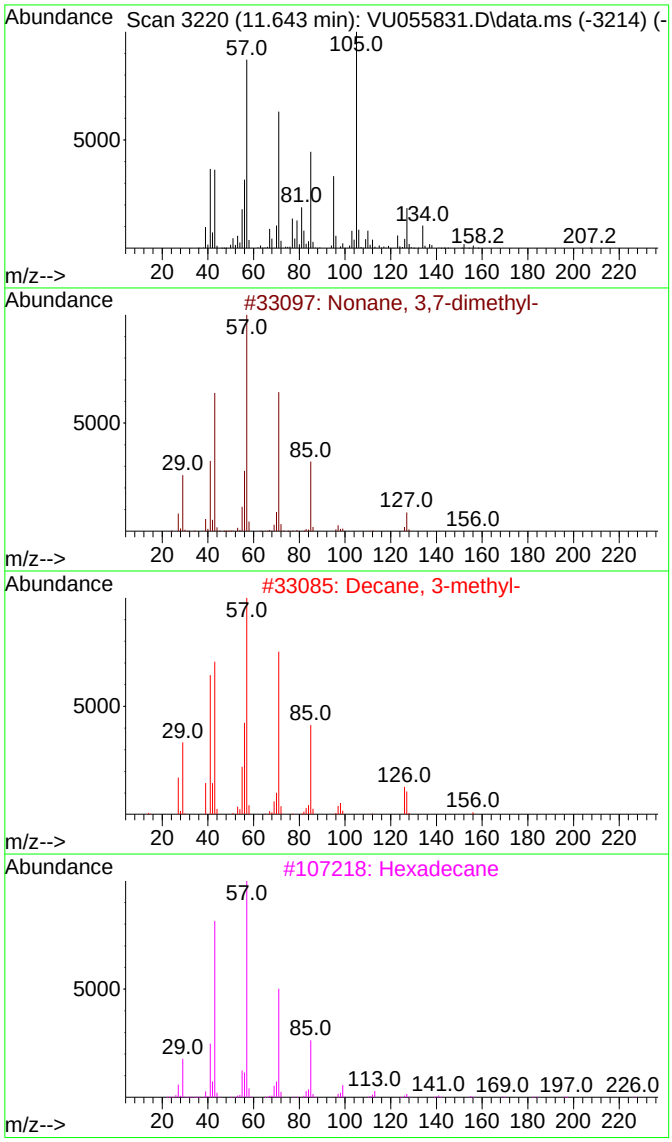
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM101023WMA.M
Quant Title : VOC Analysis

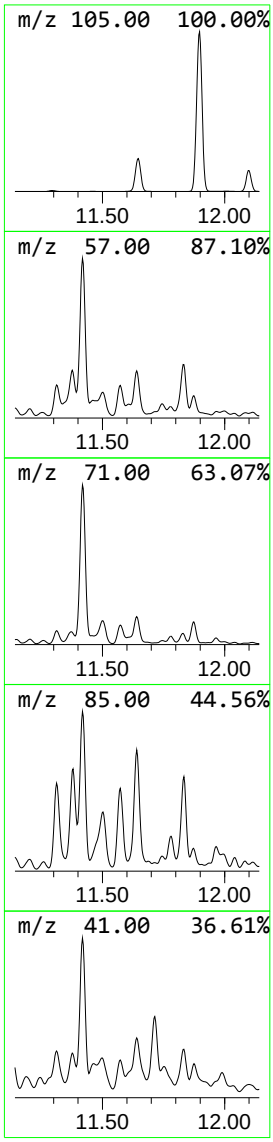
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 50 (DEL) Alkane: Straight-Chai... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.643	67.68 ug/L	16918900	1,4-Dichlorobenzene-d4	11.814

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	53
2	Decane, 3-methyl-	156	C11H24	013151-34-3	52
3	Hexadecane	226	C16H34	000544-76-3	47
4	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	47
5	Decane, 2,3,5-trimethyl-	184	C13H28	062238-11-3	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102023\
Data File : VU055831.D
Acq On : 20 Oct 2023 14:39
Operator : MD/SY
Sample : 04948-04
Misc : 5.07g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0AH6

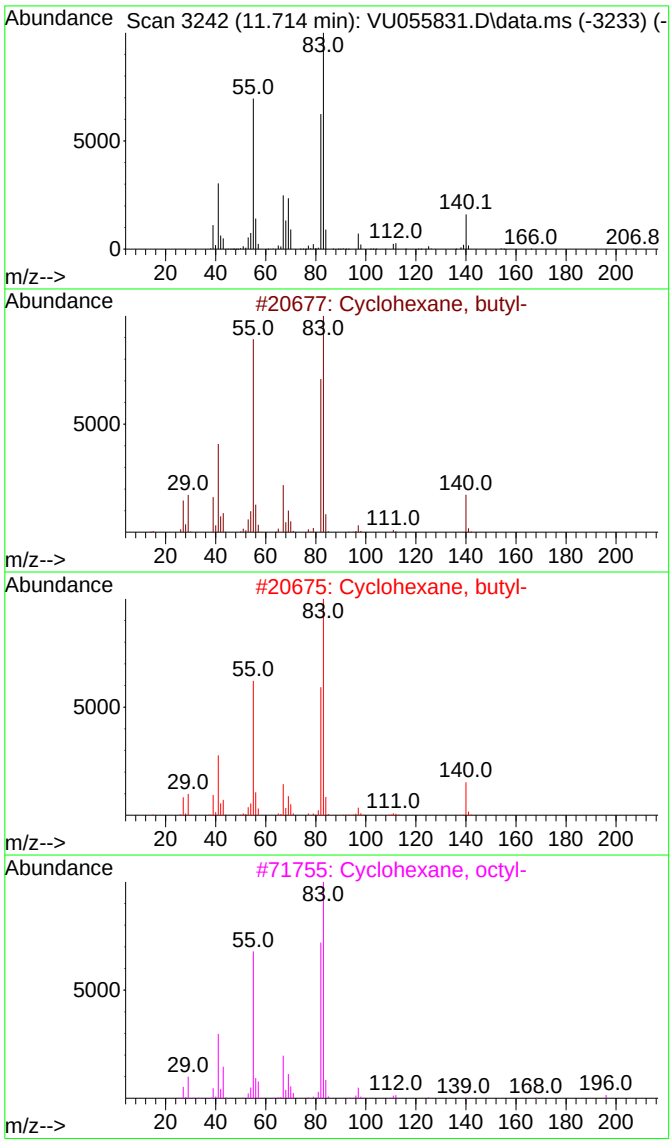
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM101023WMA.M
Quant Title : VOC Analysis

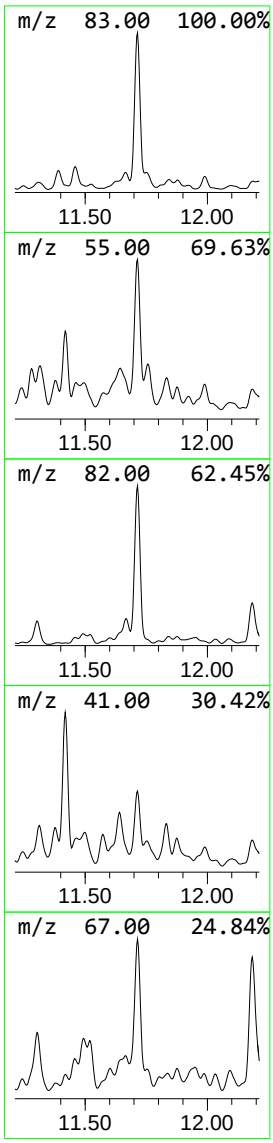
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 51 (DEL) Alkane: Cyclic11.714 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.714	77.97 ug/L	19491300	1,4-Dichlorobenzene-d4	11.814

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, butyl-	140	C10H20	001678-93-9	90
2	Cyclohexane, butyl-	140	C10H20	001678-93-9	90
3	Cyclohexane, octyl-	196	C14H28	001795-15-9	78
4	Cyclohexane, undecyl-	238	C17H34	054105-66-7	72
5	Cyclohexane, pentyl-	154	C11H22	004292-92-6	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102023\
Data File : VU055831.D
Acq On : 20 Oct 2023 14:39
Operator : MD/SY
Sample : 04948-04
Misc : 5.07g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0AH6

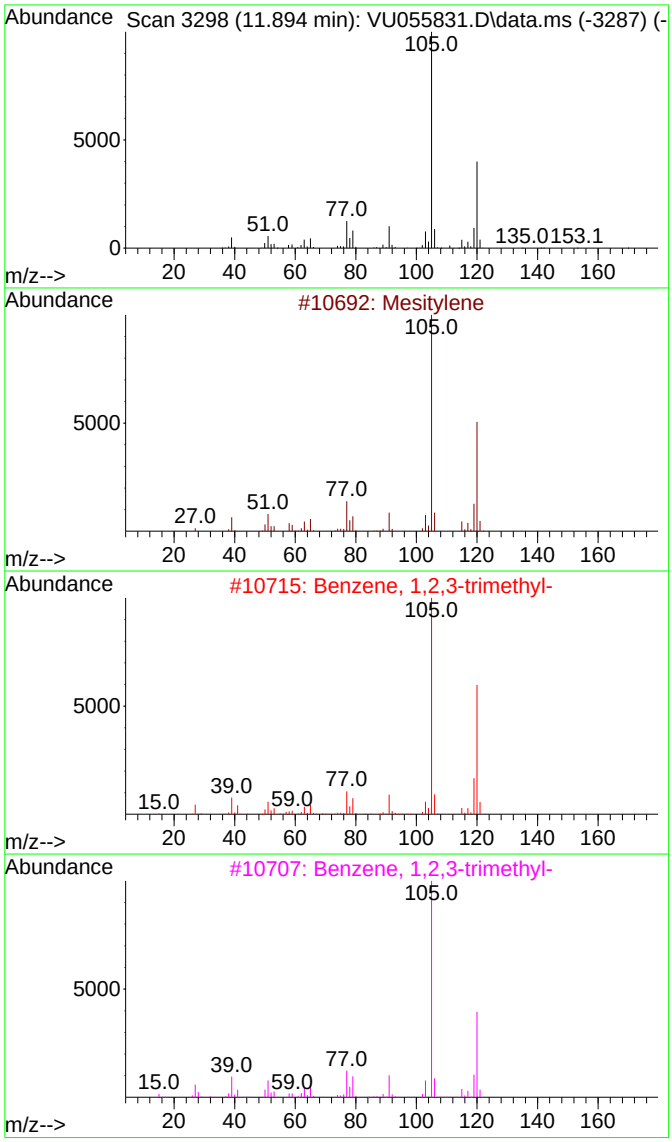
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM101023WMA.M
Quant Title : VOC Analysis

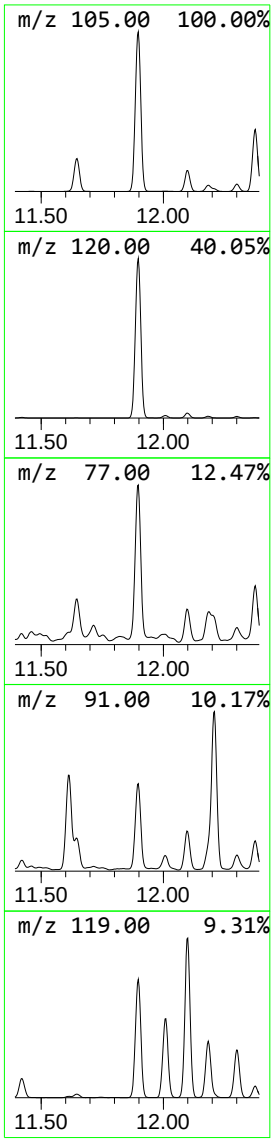
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 52 Benzene, 1,2,3-trimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.894	108.51 ug/L	27125200	1,4-Dichlorobenzene-d4	11.814

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Mesitylene	120	C9H12	000108-67-8	97
2	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	95
3	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	94
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94
5	Mesitylene	120	C9H12	000108-67-8	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102023\
Data File : VU055831.D
Acq On : 20 Oct 2023 14:39
Operator : MD/SY
Sample : 04948-04
Misc : 5.07g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0AH6

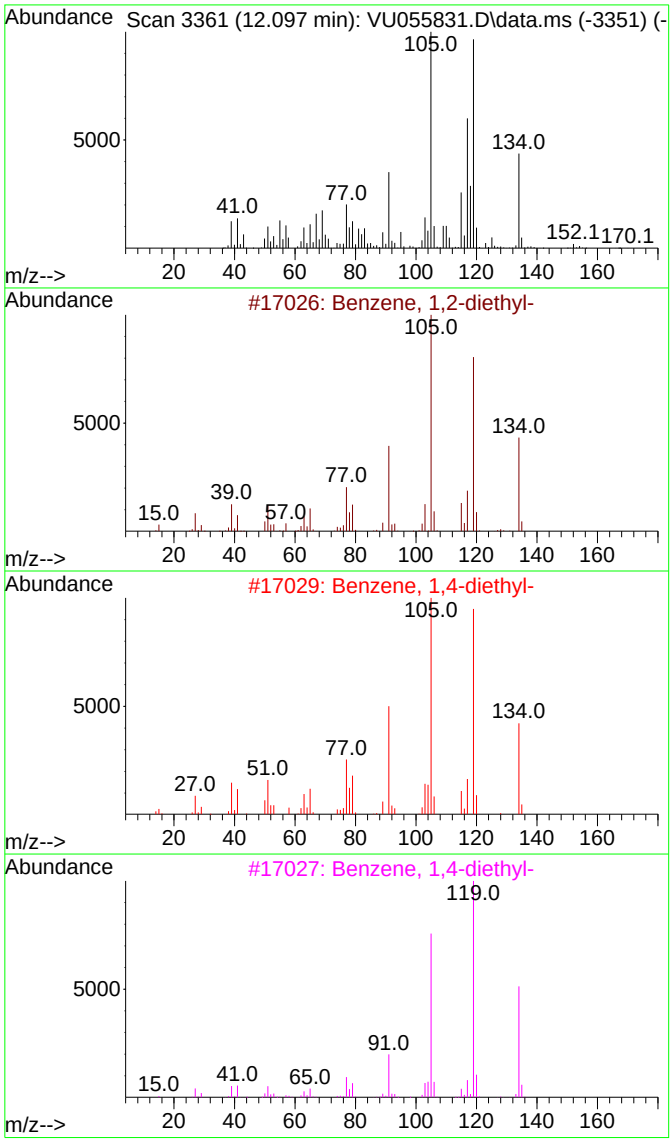
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM101023WMA.M
Quant Title : VOC Analysis

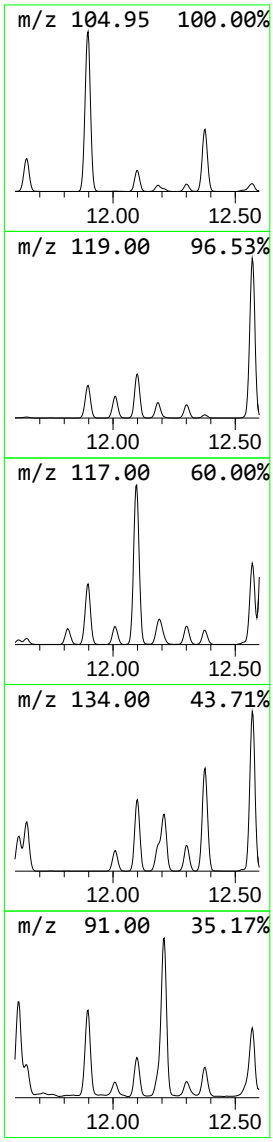
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 53 Benzene, 1,2-diethyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.097	41.07 ug/L	10268200	1,4-Dichlorobenzene-d4	11.814

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	70
3	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	64
4	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	64
5	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102023\
Data File : VU055831.D
Acq On : 20 Oct 2023 14:39
Operator : MD/SY
Sample : 04948-04
Misc : 5.07g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0AH6

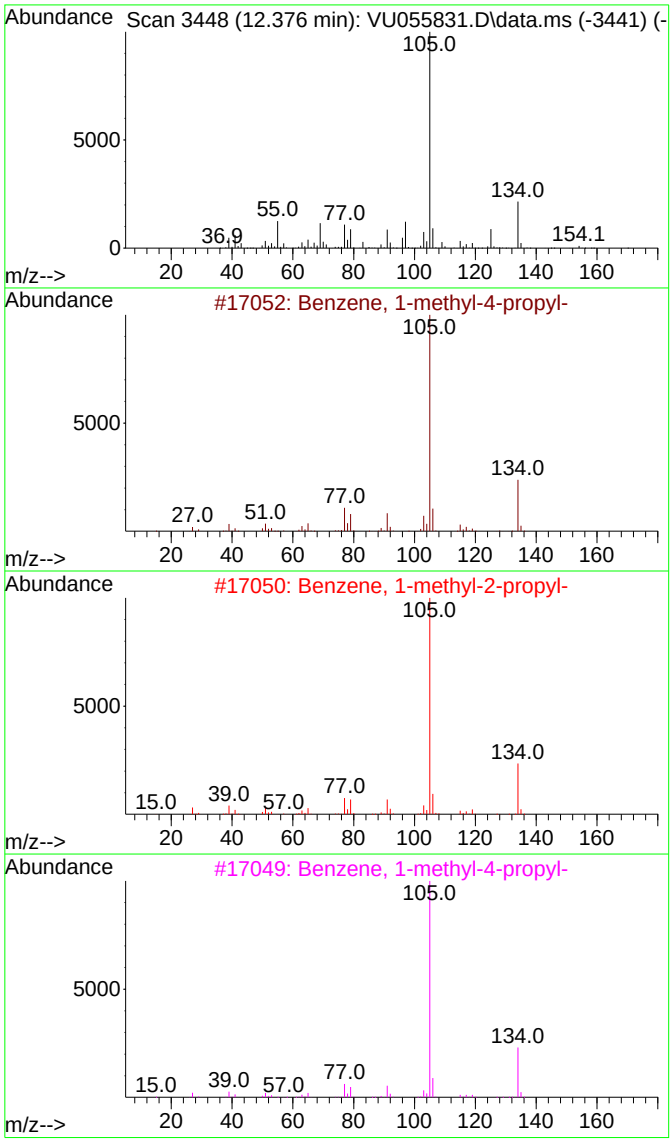
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM101023WMA.M
Quant Title : VOC Analysis

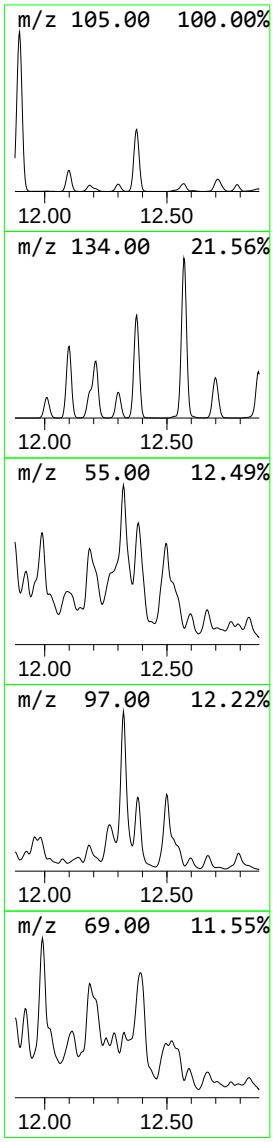
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 54 Benzene, 1-methyl-4-propyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.377	62.74 ug/L	15683600	1,4-Dichlorobenzene-d4	11.814

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	92
2	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	91
3	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	64
4	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	64
5	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102023\
Data File : VU055831.D
Acq On : 20 Oct 2023 14:39
Operator : MD/SY
Sample : 04948-04
Misc : 5.07g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0AH6

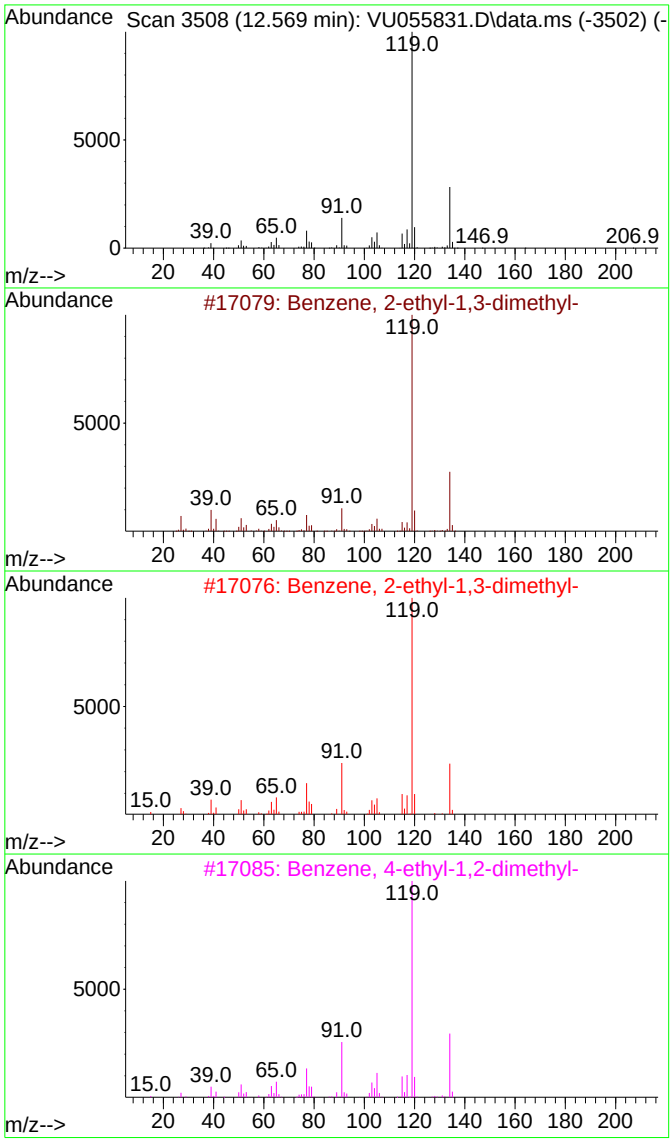
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM101023WMA.M
Quant Title : VOC Analysis

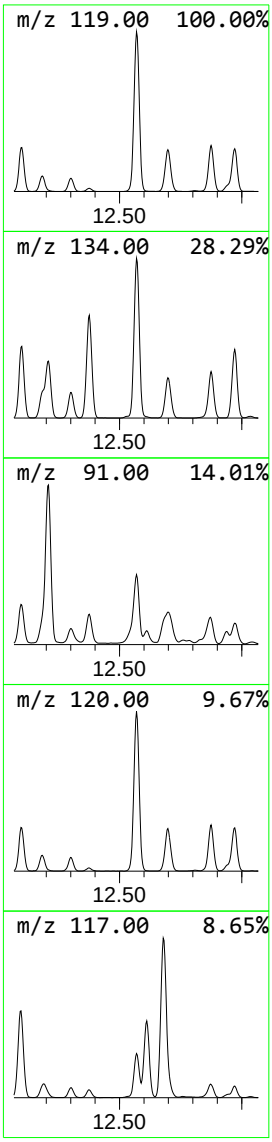
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 55 Benzene, 2-ethyl-1,3-dimethyl- Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.569	26.39 ug/L	6597730	1,4-Dichlorobenzene-d4	11.814

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	95
2	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	95
3	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95
5	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	94





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102023\
Data File : VU055831.D
Acq On : 20 Oct 2023 14:39
Operator : MD/SY
Sample : 04948-04
Misc : 5.07g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0AH6

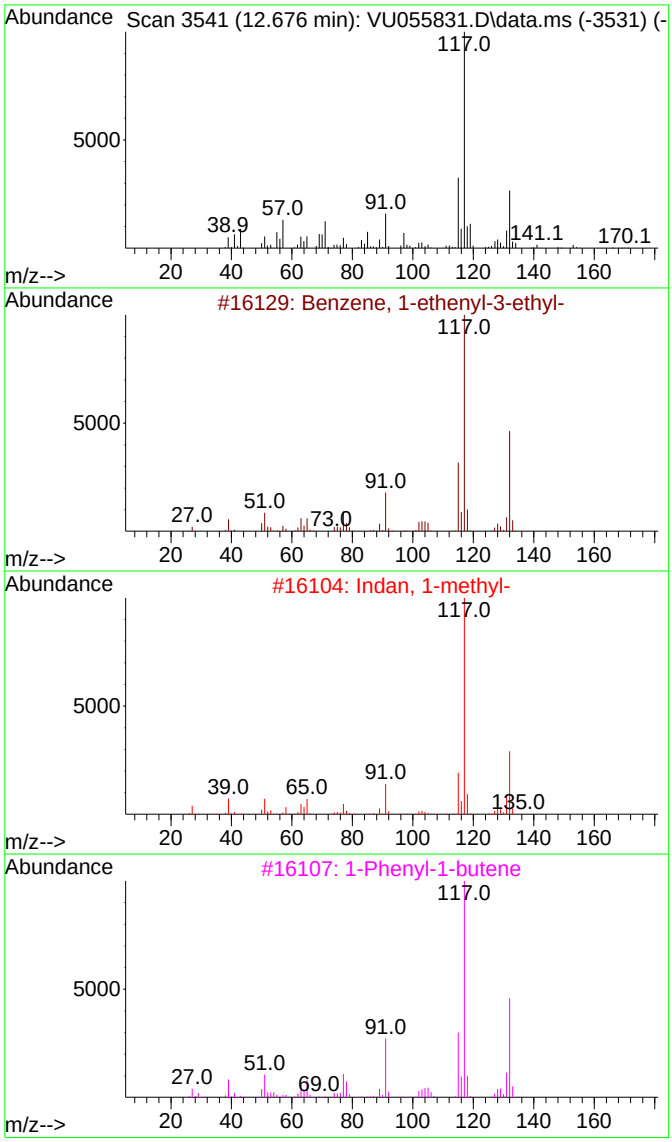
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM101023WMA.M
Quant Title : VOC Analysis

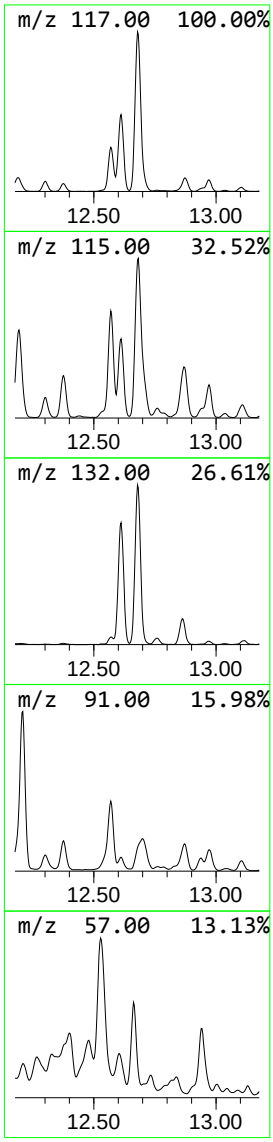
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 56 Benzene, 1-ethenyl-3-ethyl- Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.676	21.60 ug/L	5400850	1,4-Dichlorobenzene-d4	11.814

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	87
2	Indan, 1-methyl-	132	C10H12	000767-58-8	81
3	1-Phenyl-1-butene	132	C10H12	000824-90-8	74
4	1H-Indene, 2,3-dihydro-2-methyl-	132	C10H12	000824-63-5	74
5	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	74





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102023\
Data File : VU055831.D
Acq On : 20 Oct 2023 14:39
Operator : MD/SY
Sample : 04948-04
Misc : 5.07g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0AH6

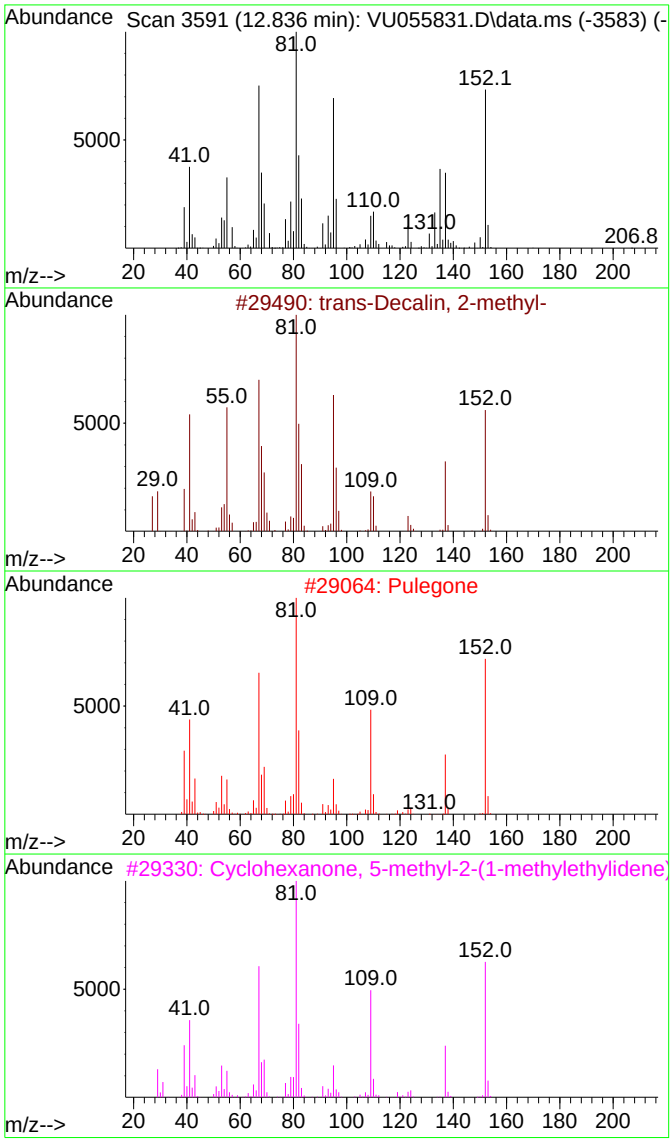
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM101023WMA.M
Quant Title : VOC Analysis

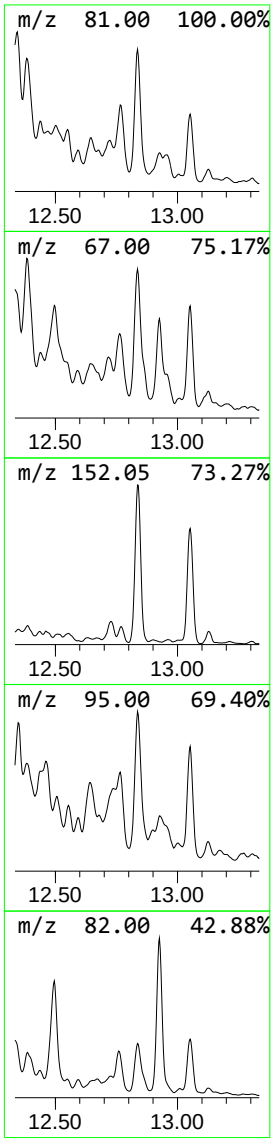
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 57 trans-Decalin, 2-methyl- Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.836	10.68 ug/L	2670040	1,4-Dichlorobenzene-d4	11.814

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	94
2	Pulegone	152	C10H16O	000089-82-7	74
3	Cyclohexanone, 5-methyl-2-(1-met...	152	C10H16O	015932-80-6	74
4	Cyclohexanone, 5-methyl-2-(1-met...	152	C10H16O	015932-80-6	72
5	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102023\
Data File : VU055831.D
Acq On : 20 Oct 2023 14:39
Operator : MD/SY
Sample : 04948-04
Misc : 5.07g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0AH6

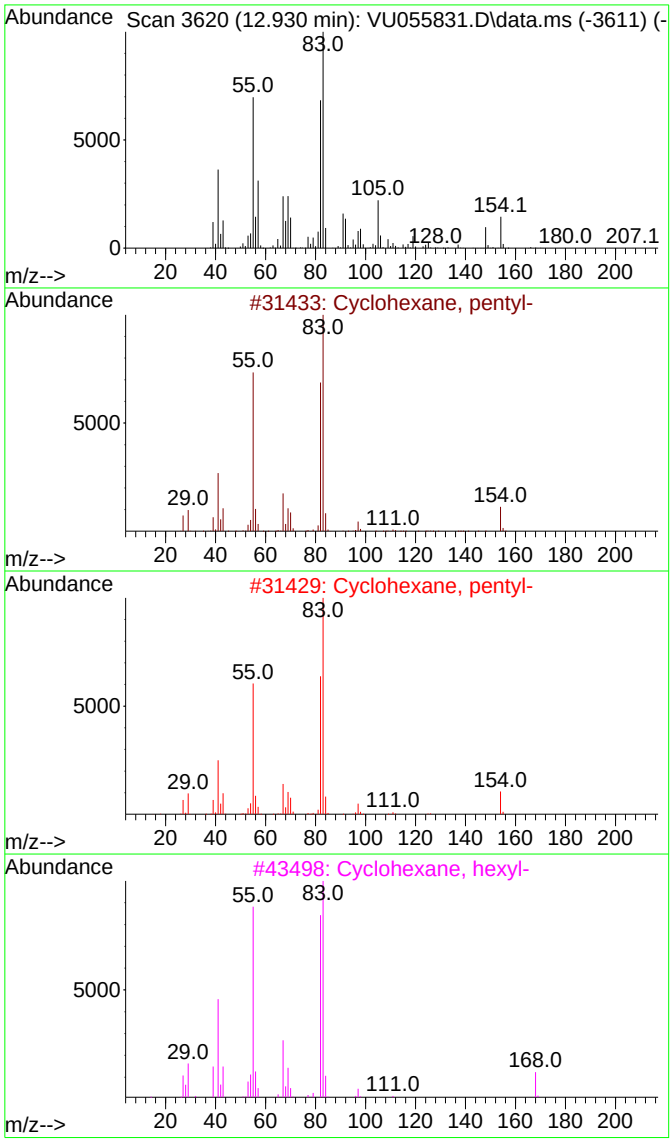
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM101023WMA.M
Quant Title : VOC Analysis

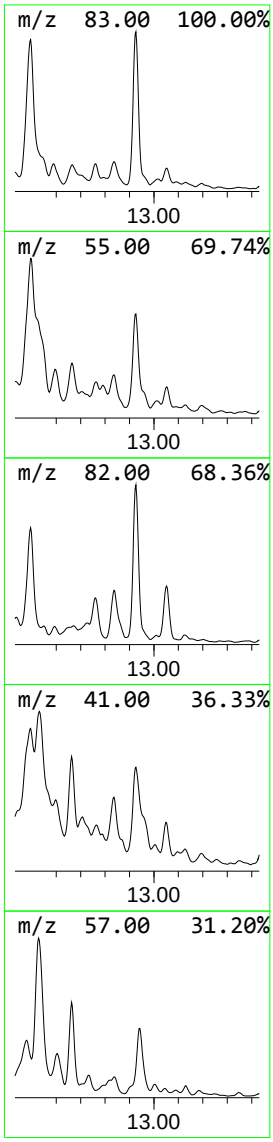
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 58 (DEL) Alkane: Cyclic12.930 Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.930	16.71 ug/L	4177050	1,4-Dichlorobenzene-d4	11.814

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, pentyl-	154	C11H22	004292-92-6	93
2	Cyclohexane, pentyl-	154	C11H22	004292-92-6	70
3	Cyclohexane, hexyl-	168	C12H24	004292-75-5	53
4	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	53
5	Cyclohexane, 1,1'-(1,4-butanediy...	222	C16H30	006165-44-2	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102023\
Data File : VU055831.D
Acq On : 20 Oct 2023 14:39
Operator : MD/SY
Sample : 04948-04
Misc : 5.07g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0AH6

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM101023WMA.M
Quant Title : VOC Analysis

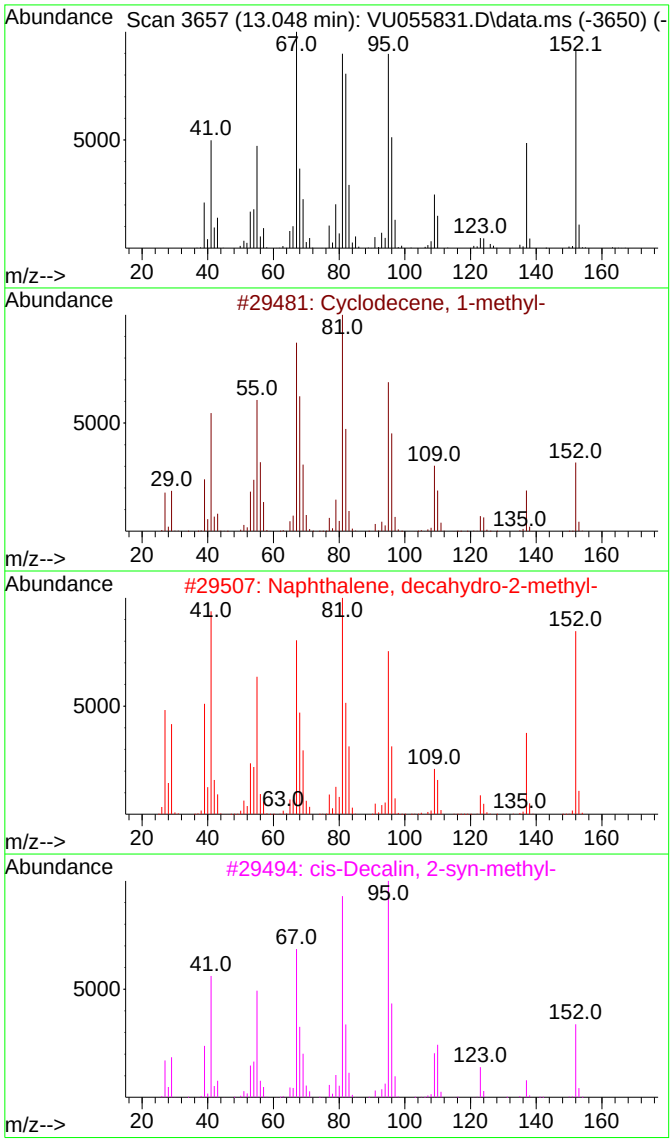
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

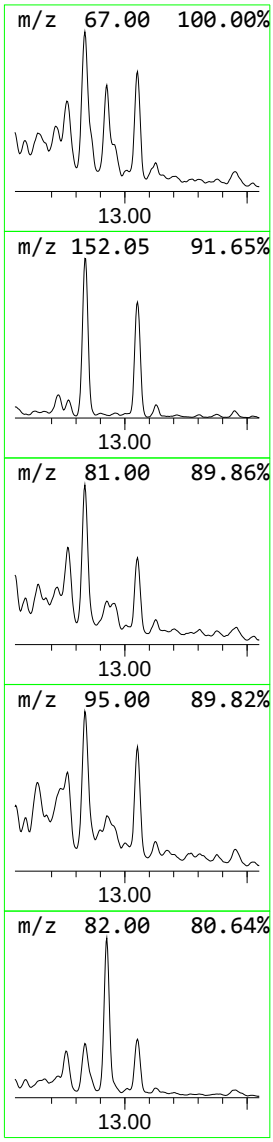
****

Peak Number 59 Cyclodecene, 1-methyl- Concentration Rank 55

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.049	7.18 ug/L	1794310	1,4-Dichlorobenzene-d4	11.814

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclodecene, 1-methyl-	152	C11H20	066633-38-3	83
2	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	81
3	cis-Decalin, 2-syn-methyl-	152	C11H20	1000155-85-6	72
4	trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	70
5	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	70





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102023\
Data File : VU055831.D
Acq On : 20 Oct 2023 14:39
Operator : MD/SY
Sample : 04948-04
Misc : 5.07g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0AH6

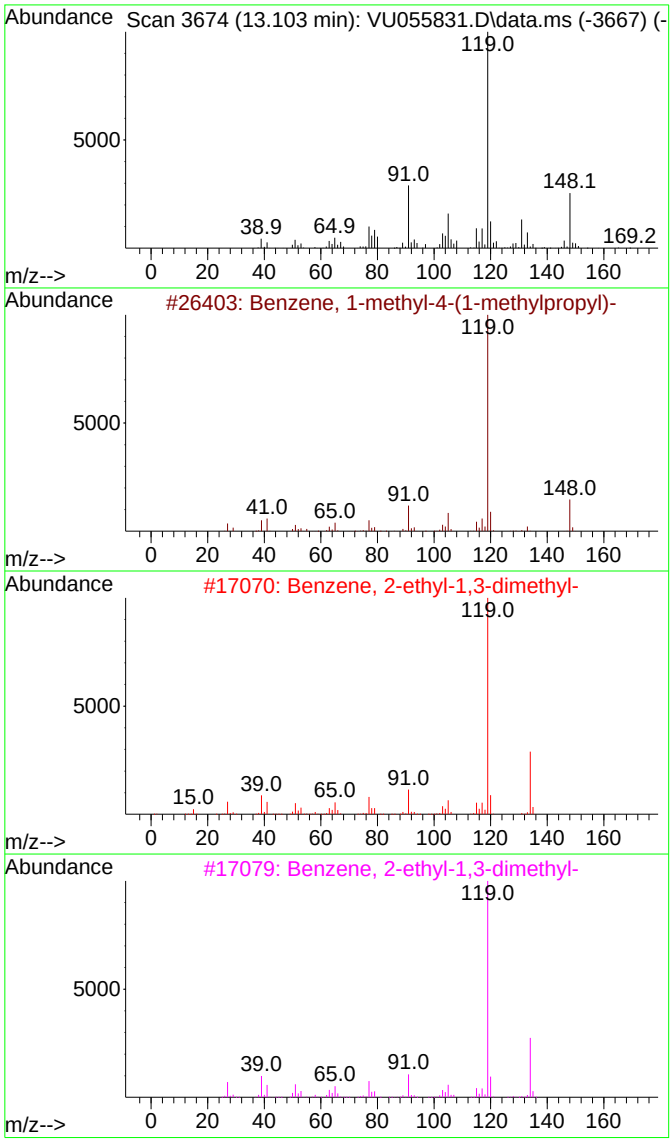
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM101023WMA.M
Quant Title : VOC Analysis

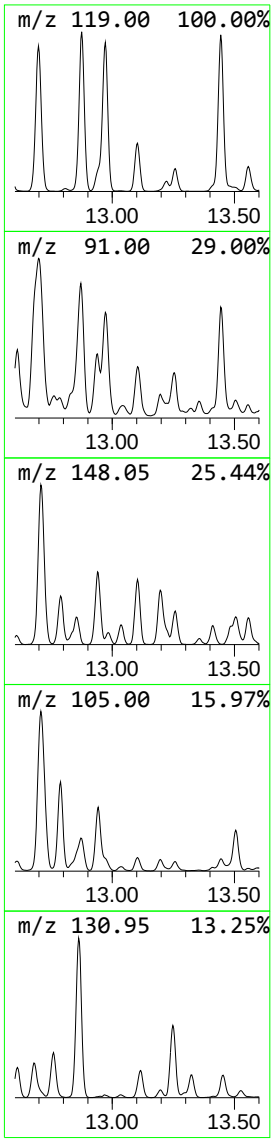
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 60 Benzene, 1-methyl-4-(1-meth... Concentration Rank 54

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.103	7.50 ug/L	1874140	1,4-Dichlorobenzene-d4	11.814

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	74
2	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	70
3	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	70
4	p-Cymene	134	C10H14	000099-87-6	64
5	o-Cymene	134	C10H14	000527-84-4	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102023\
Data File : VU055831.D
Acq On : 20 Oct 2023 14:39
Operator : MD/SY
Sample : 04948-04
Misc : 5.07g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0AH6

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM101023WMA.M
Quant Title : VOC Analysis

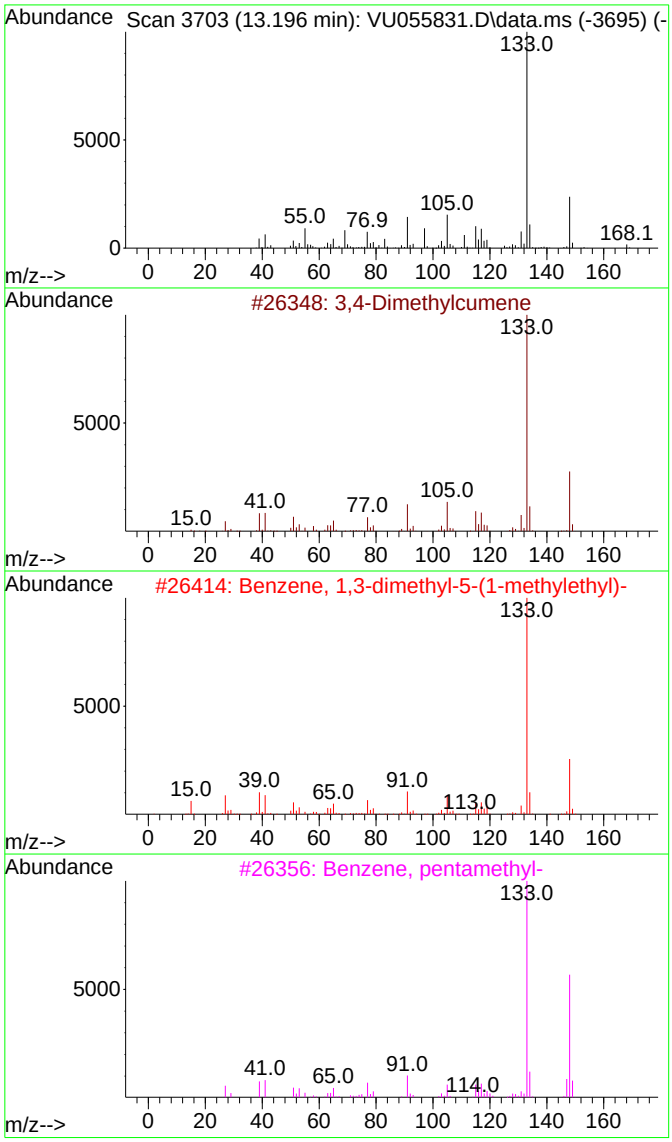
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

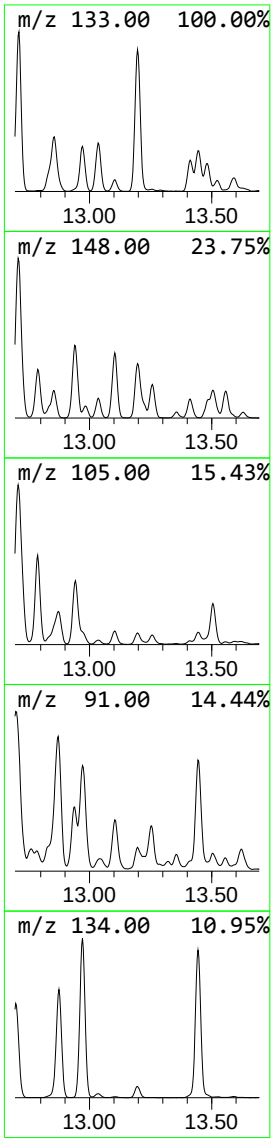
****

Peak Number 61 3,4-Dimethylcumene Concentration Rank 59

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.196	4.22 ug/L	1055020	1,4-Dichlorobenzene-d4	11.814

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,4-Dimethylcumene	148	C11H16	1000370-34-1	95
2	Benzene, 1,3-dimethyl-5-(1-methy...	148	C11H16	004706-90-5	93
3	Benzene, pentamethyl-	148	C11H16	000700-12-9	90
4	Benzene, pentamethyl-	148	C11H16	000700-12-9	90
5	Benzene, 2,4-dimethyl-1-(1-methy...	148	C11H16	004706-89-2	90





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102023\
Data File : VU055831.D
Acq On : 20 Oct 2023 14:39
Operator : MD/SY
Sample : 04948-04
Misc : 5.07g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0AH6

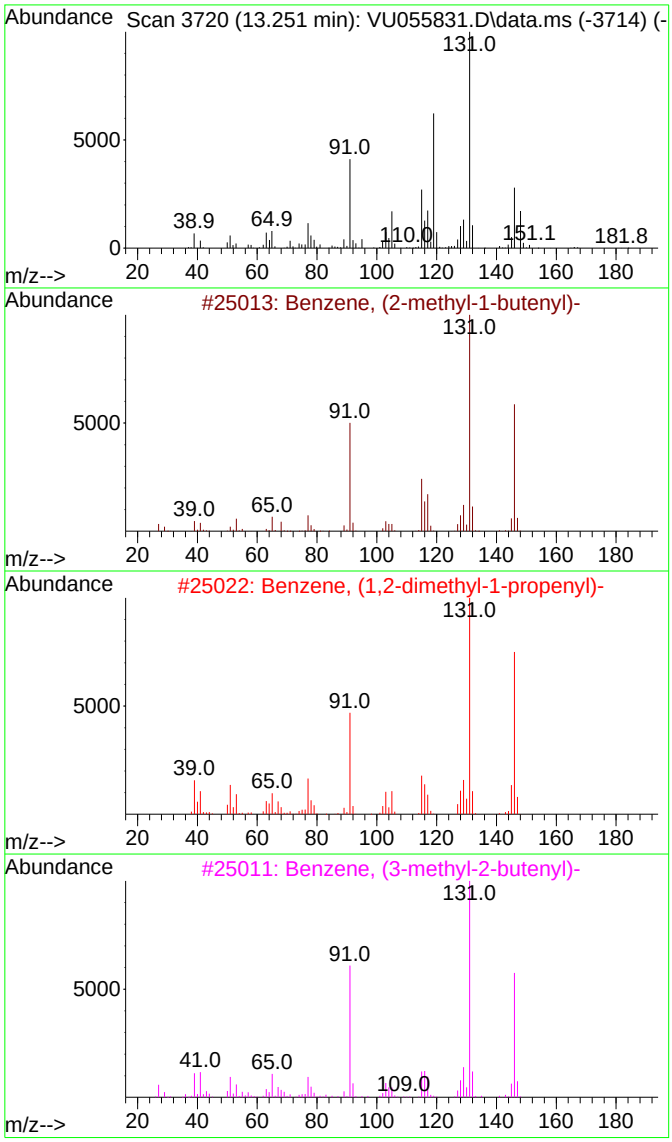
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM101023WMA.M
Quant Title : VOC Analysis

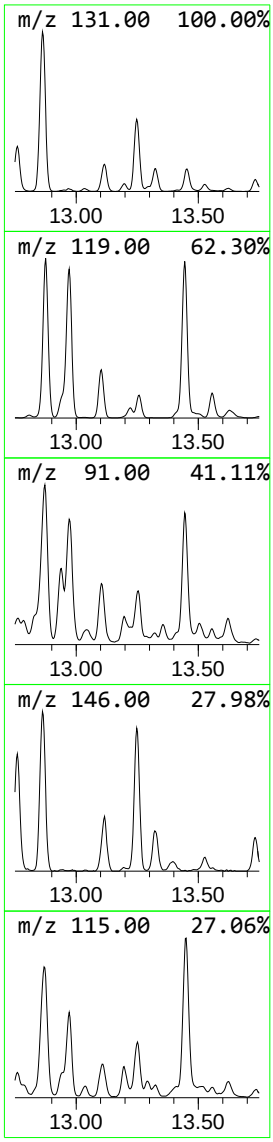
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 62 Benzene, (2-methyl-1-butenyl)- Concentration Rank 61

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.251	3.24 ug/L	810401	1,4-Dichlorobenzene-d4	11.814

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	94
2	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	86
3	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	70
4	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	70
5	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	70





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Data File : VU055831.D
Acq On : 20 Oct 2023 14:39
Operator : MD/SY
Sample : 04948-04
Misc : 5.07g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0AH6

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM101023WMA.M
Quant Title : VOC Analysis

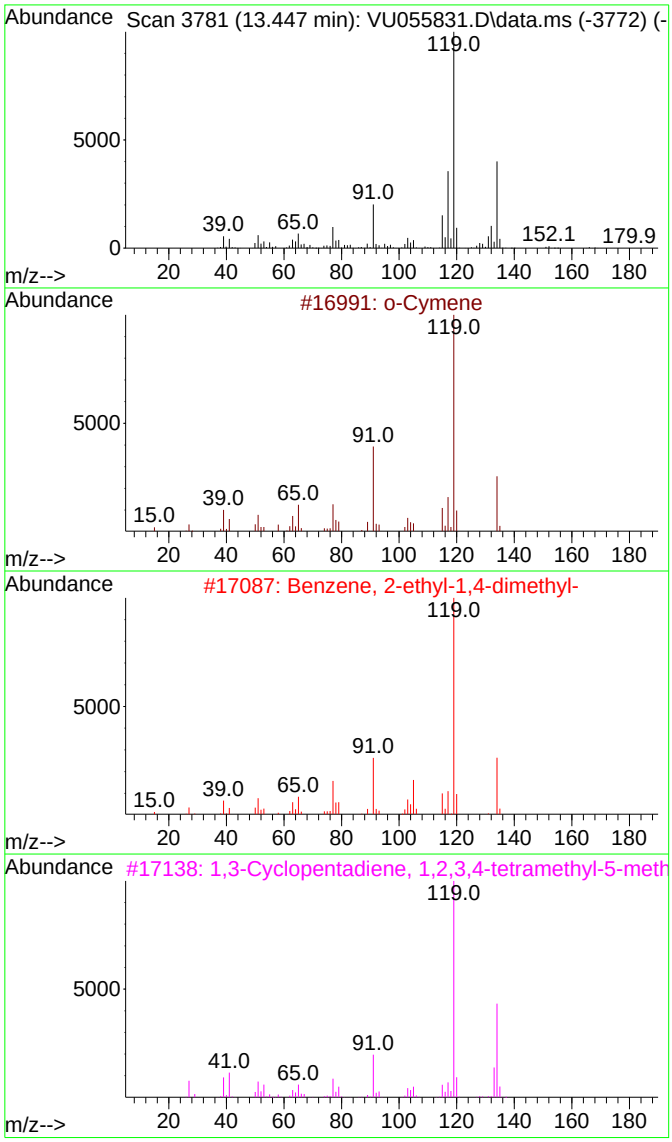
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

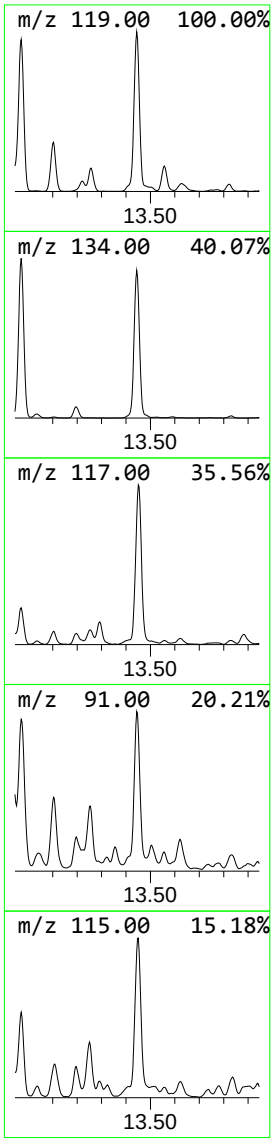
****

Peak Number 63 o-Cymene Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.447	15.03 ug/L	3757240	1,4-Dichlorobenzene-d4	11.814

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	87
2	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	83
3	1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	81
4	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	81
5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	81





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102023\
Data File : VU055831.D
Acq On : 20 Oct 2023 14:39
Operator : MD/SY
Sample : 04948-04
Misc : 5.07g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0AH6

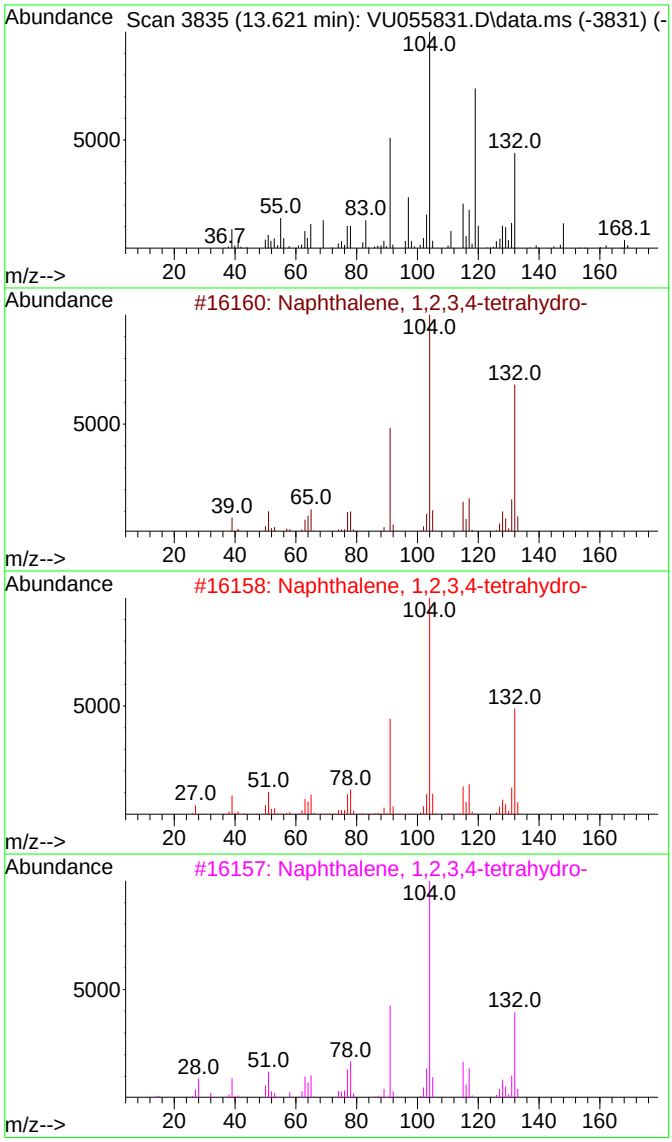
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM101023WMA.M
Quant Title : VOC Analysis

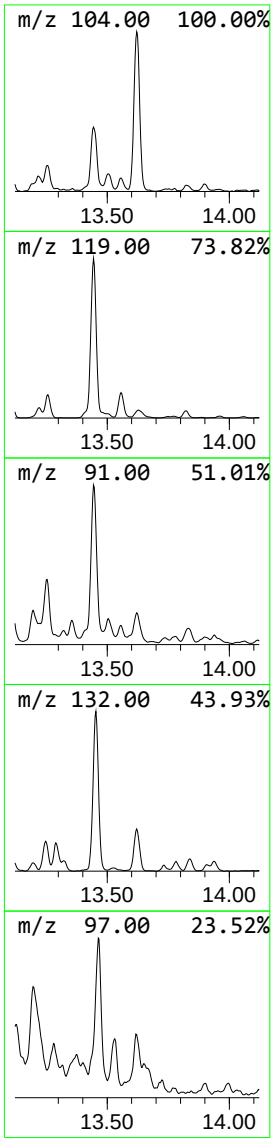
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 64 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 60

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.621	3.85 ug/L	962067	1,4-Dichlorobenzene-d4	11.814

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	50
2	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	50
3	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	50
4	m-Toluic acid, 2-phenylethyl ester	240	C16H16O2	006641-74-3	47
5	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	45





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102023\
Data File : VU055831.D
Acq On : 20 Oct 2023 14:39
Operator : MD/SY
Sample : 04948-04
Misc : 5.07g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0AH6

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM101023WMA.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
unknown-01	1.805	2.7	ug/L	77280	1	6.245	1431200	50.0
(DEL) Alkane: C...	7.226	3.1	ug/L	89910	1	6.245	1431200	50.0
(DEL) Alkane: S...	7.492	8.5	ug/L	243511	1	6.245	1431200	50.0
(DEL) Alkane: S...	7.653	7.9	ug/L	225147	1	6.245	1431200	50.0
(DEL) Alkane: C...	8.029	9.0	ug/L	287621	2	9.422	1605530	50.0
6-Methyl-1,7-di...	8.090	4.3	ug/L	139818	2	9.422	1605530	50.0
(DEL) Alkane: C...	8.235	29.3	ug/L	939456	2	9.422	1605530	50.0
(DEL) Alkane: C...	8.364	12.4	ug/L	397797	2	9.422	1605530	50.0
(DEL) Alkane: C...	8.428	2.7	ug/L	86372	2	9.422	1605530	50.0
(DEL) Alkane: S...	8.467	4.7	ug/L	151681	2	9.422	1605530	50.0
(DEL) Alkane: S...	8.756	24.5	ug/L	785959	2	9.422	1605530	50.0
(DEL) Alkane: C...	8.798	15.8	ug/L	507308	2	9.422	1605530	50.0
(DEL) Alkane: C...	8.859	54.3	ug/L	1744340	2	9.422	1605530	50.0
(DEL) Alkane: C...	8.920	135.8	ug/L	4361860	2	9.422	1605530	50.0
(DEL) Alkane: C...	9.068	24.1	ug/L	773570	2	9.422	1605530	50.0
(DEL) Alkane: S...	9.116	53.9	ug/L	1730790	2	9.422	1605530	50.0
(DEL) Alkane: C...	9.161	95.4	ug/L	3064090	2	9.422	1605530	50.0
(DEL) Alkane: S...	9.206	84.4	ug/L	2709370	2	9.422	1605530	50.0
(DEL) Alkane: S...	9.332	189.9	ug/L	6098900	2	9.422	1605530	50.0
(DEL) Alkane: C...	9.473	6.6	ug/L	211408	2	9.422	1605530	50.0
Pentalene, octa...	9.505	11.3	ug/L	363013	2	9.422	1605530	50.0
(DEL) Alkane: S...	9.666	174.1	ug/L	5590050	2	9.422	1605530	50.0
(DEL) Alkane: C...	9.714	168.6	ug/L	5415200	2	9.422	1605530	50.0
(DEL) Alkane: C...	9.756	180.5	ug/L	5796930	2	9.422	1605530	50.0
(DEL) Alkane: C...	9.875	96.0	ug/L	3084370	2	9.422	1605530	50.0
(DEL) Alkane: S...	9.952	24.7	ug/L	793530	2	9.422	1605530	50.0
(DEL) Alkane: S...	10.020	449.6	ug/L	14438400	2	9.422	1605530	50.0
(DEL) Alkane: S...	10.116	150.3	ug/L	4826450	2	9.422	1605530	50.0
trans-3-Methyl-...	10.168	100.0	ug/L	3209980	2	9.422	1605530	50.0
(DEL) Alkane: S...	10.251	981.2	ug/L	31508100	2	9.422	1605530	50.0
(DEL) Alkane: S...	10.316	54.1	ug/L	1737360	2	9.422	1605530	50.0
(DEL) Alkane: C...	10.354	704.1	ug/L	22607800	2	9.422	1605530	50.0
(DEL) Alkane: S...	10.393	388.8	ug/L	12483000	2	9.422	1605530	50.0
(DEL) Alkane: S...	10.557	511.5	ug/L	16424000	2	9.422	1605530	50.0
(DEL) Alkane: S...	10.624	85.5	ug/L	21387300	3	11.814	12499500	50.0
Cyclooctene, 3-...	10.695	16.7	ug/L	4176730	3	11.814	12499500	50.0
Benzene, propyl-	10.907	17.9	ug/L	4476860	3	11.814	12499500	50.0
(DEL) Alkane: C...	10.952	27.3	ug/L	6813470	3	11.814	12499500	50.0
(DEL) Alkane: C...	11.013	31.2	ug/L	7789280	3	11.814	12499500	50.0
(DEL) Alkane: C...	11.065	69.4	ug/L	17349500	3	11.814	12499500	50.0
Oxalic acid, de...	11.126	70.0	ug/L	17508100	3	11.814	12499500	50.0
(DEL) Alkane: S...	11.187	19.5	ug/L	4865390	3	11.814	12499500	50.0
(DEL) Alkane: S...	11.245	11.4	ug/L	2858620	3	11.814	12499500	50.0
(DEL) Alkane: S...	11.312	58.3	ug/L	14562600	3	11.814	12499500	50.0
(DEL) Alkane: S...	11.377	36.0	ug/L	9006950	3	11.814	12499500	50.0
(DEL) Alkane: S...	11.418	144.5	ug/L	36113100	3	11.814	12499500	50.0
(DEL) Alkane: S...	11.573	33.8	ug/L	8436260	3	11.814	12499500	50.0
(DEL) Alkane: S...	11.643	67.7	ug/L	16918900	3	11.814	12499500	50.0
(DEL) Alkane: C...	11.714	78.0	ug/L	19491300	3	11.814	12499500	50.0
Benzene, 1,2,3-...	11.894	108.5	ug/L	27125200	3	11.814	12499500	50.0
Benzene, 1,2-di...	12.097	41.1	ug/L	10268200	3	11.814	12499500	50.0
Benzene, 1-meth...	12.377	62.7	ug/L	15683600	3	11.814	12499500	50.0

Benzene, 2-ethy...	12.569	26.4	ug/L	6597730	3	11.814	12499500	50.0
Benzene, 1-ethe...	12.676	21.6	ug/L	5400850	3	11.814	12499500	50.0
trans-Decalin, ...	12.836	10.7	ug/L	2670040	3	11.814	12499500	50.0
(DEL) Alkane: C...	12.930	16.7	ug/L	4177050	3	11.814	12499500	50.0
Cyclodecene, 1-...	13.049	7.2	ug/L	1794310	3	11.814	12499500	50.0
Benzene, 1-meth...	13.103	7.5	ug/L	1874140	3	11.814	12499500	50.0
3,4-Dimethylcumene	13.196	4.2	ug/L	1055020	3	11.814	12499500	50.0
Benzene, (2-met...	13.251	3.2	ug/L	810401	3	11.814	12499500	50.0
o-Cymene	13.447	15.0	ug/L	3757240	3	11.814	12499500	50.0
Naphthalene, 1,...	13.621	3.9	ug/L	962067	3	11.814	12499500	50.0

Instrument :
MSVOA_U
ClientSampleId :
C0AH6