LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100522\
Data File : VU051143.D
Acq On : 05 Oct 2022 22:18
Operator : JC/MD
Sample : N4889-02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 33 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
EXZ60

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\SFAMULM092922WMA.M
Title : VOC Analysis

Signal : TIC: VU051143.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.597	72	80	95	rBV	212575	250109	0.24%	0.091%
2	1.681	101	106	116	rVB	36414	41059	0.04%	0.015%
3	1.797	126	142	143	rBV6	25751	50245	0.05%	0.018%
4	1.900	166	174	198	rVB2	178439	302001	0.29%	0.110%
5	2.562	367	380	393	rBV	303606	493213	0.47%	0.180%
6	3.578	683	696	716	rBV4	37812	92777	0.09%	0.034%
7	3.867	771	786	800	rBV3	13156	31767	0.03%	0.012%
8	4.527	975	991	1008	rBV3	38276	94121	0.09%	0.034%
9	4.620	1008	1020	1050	rBV	175327	457063	0.44%	0.167%
10	5.060	1139	1157	1189	rBV	310268	695221	0.67%	0.254%
11	5.385	1239	1258	1273	rBV3	317985	752568	0.72%	0.275%
12	5.459	1274	1281	1296	rVB	24484	51158	0.05%	0.019%
13	5.591	1305	1322	1329	rBV2	71373	153422	0.15%	0.056%
14	5.723	1345	1363	1389	rVV2	673607	1827013	1.75%	0.667%
15	5.848	1390	1402	1413	rVV	98085	205298	0.20%	0.075%
16	5.919	1413	1424	1434	rVV3	99546	205592	0.20%	0.075%
17	5.986	1434	1445	1467	rVB2	169157	361613	0.35%	0.132%
18	6.131	1480	1490	1512	rVB4	27664	60710	0.06%	0.022%
19	6.247	1512	1526	1548	rBV	505208	964381	0.92%	0.352%
20	6.690	1649	1664	1672	rBV	421554	831758	0.80%	0.304%
21	6.761	1672	1686	1708	rVV	1645945	3483769	3.34%	1.272%
22	6.864	1710	1718	1729	rVB3	28045	51302	0.05%	0.019%
23	6.980	1741	1754	1768	rBV	205771	379901	0.36%	0.139%
24	7.070	1768	1782	1797	rVB6	49582	112938	0.11%	0.041%
25	7.189	1800	1819	1825	rBV2	31980	66974	0.06%	0.024%
26	7.231	1825	1832	1857	rVB5	47232	97731	0.09%	0.036%
27	7.401	1869	1885	1887	rBV4	20843	35745	0.03%	0.013%
28	7.497	1902	1915	1922	rBV2	36338	65581	0.06%	0.024%
29	7.565	1922	1936	1956	rVV	207333	433087	0.42%	0.158%
30	7.658	1957	1965	1973	rBV2	42971	66968	0.06%	0.024%
31	7.768	1989	1999	2013	rVB7	14505	28964	0.03%	0.011%
32	7.854	2013	2026	2030	rBV2	177013	292895	0.28%	0.107%
33	7.896	2030	2039	2049	rVB	812829	1330077	1.28%	0.486%
34	7.970	2049	2062	2077	rBV2	26000562	43554278	41.77%	15.904%
35	8.176	2116	2126	2136	rBV	173902	292295	0.28%	0.107%
36	8.243	2136	2147	2166	rVB2	197436	405731	0.39%	0.148%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100522\
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Operator : JC/MD
Sample : N4889-02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 33 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
EXZ60

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\SFAMULM092922WMA.M
Title : VOC Analysis

37	8.366	2171	2185	2195	rBV2	97596	182153	0.17%	0.067%
38	8.633	2250	2268	2301	rBV3	493706	1089732	1.05%	0.398%
39	8.809	2311	2323	2331	rBV3	76369	144550	0.14%	0.053%
40	8.864	2331	2340	2351	rVV2	242259	427047	0.41%	0.156%
41	8.944	2351	2365	2389	rVB4	91599	272104	0.26%	0.099%
42	9.163	2425	2433	2442	rBV4	20898	35166	0.03%	0.013%
43	9.366	2481	2496	2502	rVV2	52589	100037	0.10%	0.037%
44	9.417	2502	2512	2529	rVB	732167	1192040	1.14%	0.435%
45	9.510	2530	2541	2547	rBV	138985	224831	0.22%	0.082%
46	9.571	2547	2560	2583	rVV2	34902219	57888540	55.52%	21.138%
47	9.700	2584	2600	2630	rVB3	59369346	104262257	100.00%	38.071%
48	9.890	2647	2659	2676	rVB6	46152	108457	0.10%	0.040%
49	9.973	2679	2685	2691	rBV7	16274	23609	0.02%	0.009%
50	10.034	2691	2704	2711	rBV3	192733	413224	0.40%	0.151%
51	10.099	2713	2724	2751	rVB	2112950	3509459	3.37%	1.281%
52	10.237	2754	2767	2771	rBV3	124203	207855	0.20%	0.076%
53	10.272	2771	2778	2790	rVB	265789	432625	0.41%	0.158%
54	10.359	2794	2805	2823	rVB6	248318	607495	0.58%	0.222%
55	10.481	2825	2843	2855	rBV	3415377	5274115	5.06%	1.926%
56	10.620	2876	2886	2899	rVB9	21605	48070	0.05%	0.018%
57	10.697	2899	2910	2918	rBV2	137803	241565	0.23%	0.088%
58	10.755	2918	2928	2938	rBV	646791	1027998	0.99%	0.375%
59	10.812	2938	2946	2961	rVB5	124493	223440	0.21%	0.082%
60	10.903	2962	2974	2993	rBV	2523607	3903802	3.74%	1.425%
61	10.999	2994	3004	3006	rBV	187647	249290	0.24%	0.091%
62	11.086	3024	3031	3053	rVB	167771	316992	0.30%	0.116%
63	11.185	3055	3062	3067	rVV6	20219	28238	0.03%	0.010%
64	11.230	3067	3076	3086	rVV	325319	507069	0.49%	0.185%
65	11.295	3086	3096	3115	rVB3	264444	538376	0.52%	0.197%
66	11.417	3126	3134	3139	rBV2	55846	79143	0.08%	0.029%
67	11.465	3139	3149	3163	rVB	1183560	1794057	1.72%	0.655%
68	11.555	3168	3177	3185	rBV	315389	477960	0.46%	0.175%
69	11.610	3186	3194	3196	rVV	179651	245022	0.24%	0.089%
70	11.639	3197	3203	3213	rVV	553215	864295	0.83%	0.316%
71	11.693	3214	3220	3230	rVB3	60513	105123	0.10%	0.038%
72	11.784	3238	3248	3269	rVB2	1641965	3925128	3.76%	1.433%
73	11.893	3269	3282	3294	rBV	4886466	7444347	7.14%	2.718%
74	12.005	3308	3317	3325	rBV	143675	215985	0.21%	0.079%
75	12.092	3336	3344	3362	rVB2	1502911	2432120	2.33%	0.888%
76	12.189	3362	3374	3392	rVB4	1185240	2433169	2.33%	0.888%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100522\
Data File : VU051143.D
Acq On : 05 Oct 2022 22:18
Operator : JC/MD
Sample : N4889-02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 33 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
EXZ60

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\SFAMULM092922WMA.M
Title : VOC Analysis

77	12.301	3398	3409	3420	rVB	230373	366007	0.35%	0.134%
78	12.375	3421	3432	3447	rVB	635671	974740	0.93%	0.356%
79	12.462	3447	3459	3465	rBV2	50629	92278	0.09%	0.034%
80	12.571	3482	3493	3500	rBV	964039	1450819	1.39%	0.530%
81	12.610	3500	3505	3517	rVV	308691	459930	0.44%	0.168%
82	12.684	3517	3528	3545	rVV3	669708	1467370	1.41%	0.536%
83	12.755	3546	3550	3559	rVV4	29867	41342	0.04%	0.015%
84	12.819	3562	3570	3576	rVV4	42383	77833	0.07%	0.028%
85	12.873	3576	3587	3599	rVB2	607753	988565	0.95%	0.361%
86	12.970	3599	3617	3627	rBV	442933	733740	0.70%	0.268%
87	13.025	3627	3634	3650	rVB2	80649	150670	0.14%	0.055%
88	13.108	3650	3660	3671	rBV4	50596	90458	0.09%	0.033%
89	13.198	3678	3688	3696	rBV	28591	53040	0.05%	0.019%
90	13.250	3697	3704	3710	rVV3	43351	68112	0.07%	0.025%
91	13.291	3710	3717	3726	rVB	106533	151197	0.15%	0.055%
92	13.449	3745	3766	3781	rBV3	1417555	2363340	2.27%	0.863%
93	13.623	3808	3820	3840	rVB	569370	902053	0.87%	0.329%
94	13.783	3863	3870	3877	rVV3	21511	34950	0.03%	0.013%
95	13.838	3877	3887	3896	rVV6	44154	82294	0.08%	0.030%
96	13.909	3896	3909	3913	rVV6	24412	51036	0.05%	0.019%
97	13.938	3914	3918	3935	rVB3	33417	57649	0.06%	0.021%
98	14.086	3948	3964	3983	rBV	626834	1034620	0.99%	0.378%
99	14.189	3988	3996	4006	rVV4	13099	22318	0.02%	0.008%
100	14.285	4019	4026	4036	rVV6	16813	31261	0.03%	0.011%

Sum of corrected areas: 273861432

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100522\
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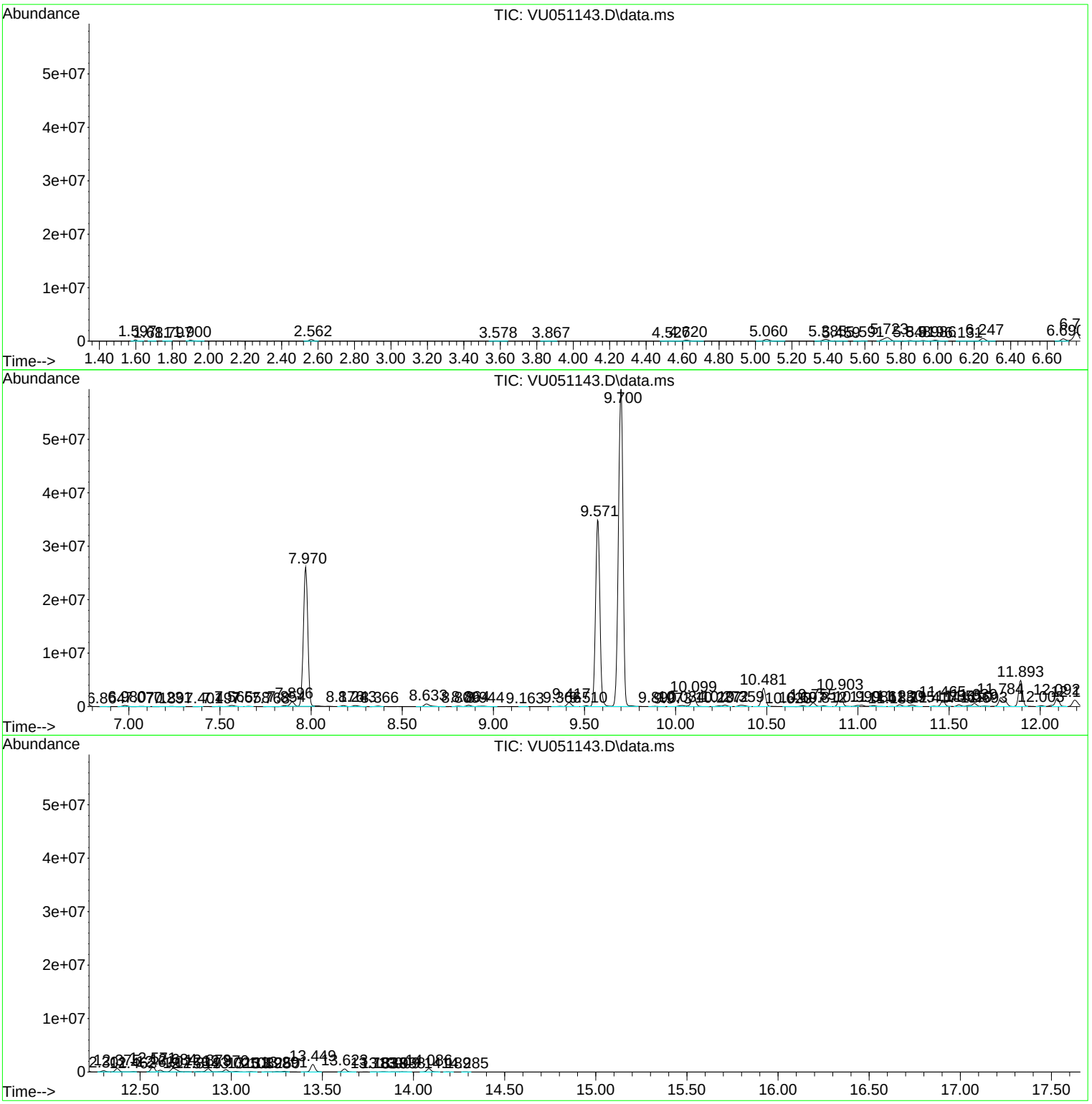
Sample : N4889-02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 33 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
EXZ60

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092922WMA.M
Quant Title : VOC Analysis

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100522\
Data File : VU051143.D
Acq On : 05 Oct 2022 22:18
Operator : JC/MD
Sample : N4889-02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 33 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
EXZ60

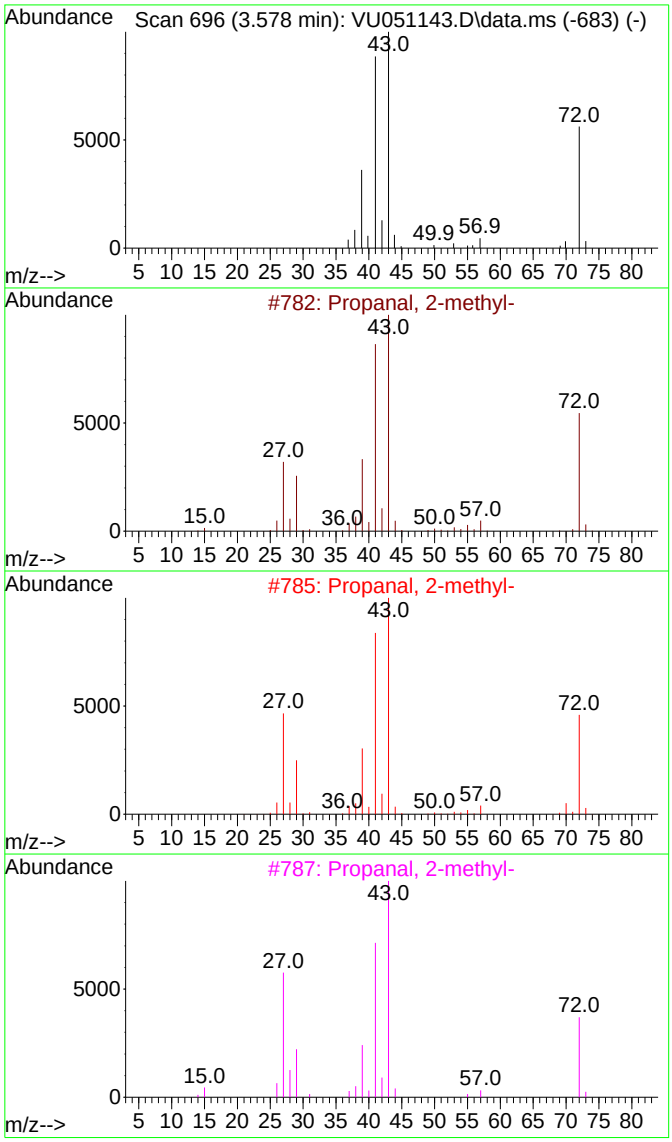
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092922WMA.M
Quant Title : VOC Analysis

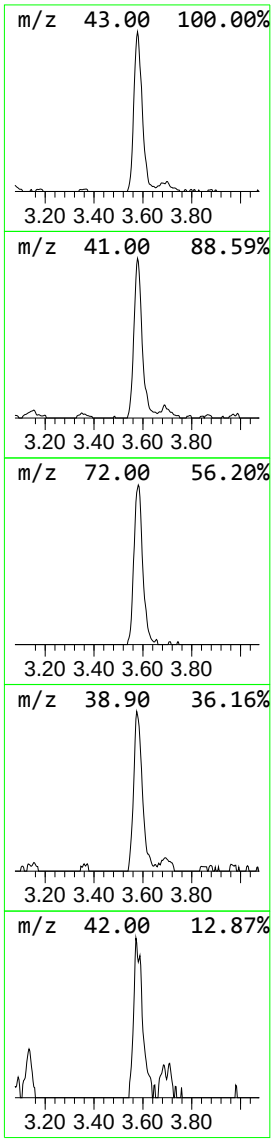
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Propanal, 2-methyl- Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.578	4.81 ug/L	92777	1,4-Difluorobenzene	6.247

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propanal, 2-methyl-	72	C4H8O	000078-84-2	91
2	Propanal, 2-methyl-	72	C4H8O	000078-84-2	91
3	Propanal, 2-methyl-	72	C4H8O	000078-84-2	90
4	Propanal, 2-methyl-	72	C4H8O	000078-84-2	90
5	Propanal, 2-methyl-	72	C4H8O	000078-84-2	47





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100522\
Data File : VU051143.D
Acq On : 05 Oct 2022 22:18
Operator : JC/MD
Sample : N4889-02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 33 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
EXZ60

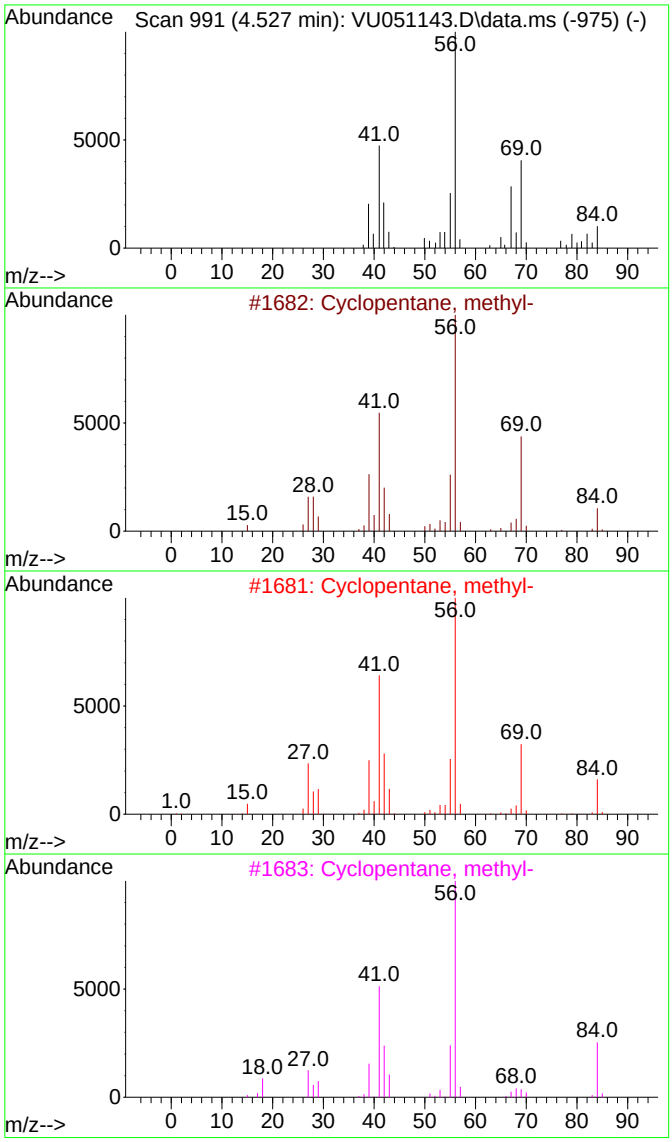
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092922WMA.M
Quant Title : VOC Analysis

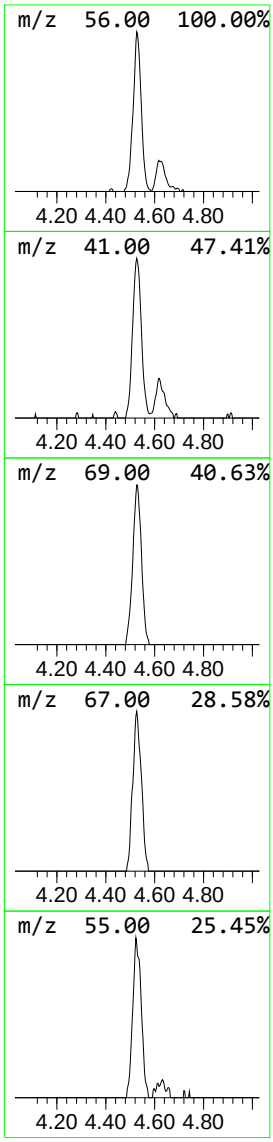
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 (DEL) Alkane: Cyclic4.527 Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.527	4.88 ug/L	94121	1,4-Difluorobenzene	6.247

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	81
2	Cyclopentane, methyl-	84	C6H12	000096-37-7	64
3	Cyclopentane, methyl-	84	C6H12	000096-37-7	59
4	1H-Tetrazole, 5-methyl-	84	C2H4N4	004076-36-2	52
5	Cyclobutane, ethyl-	84	C6H12	004806-61-5	52





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100522\
Data File : VU051143.D
Acq On : 05 Oct 2022 22:18
Operator : JC/MD
Sample : N4889-02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 33 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
EXZ60

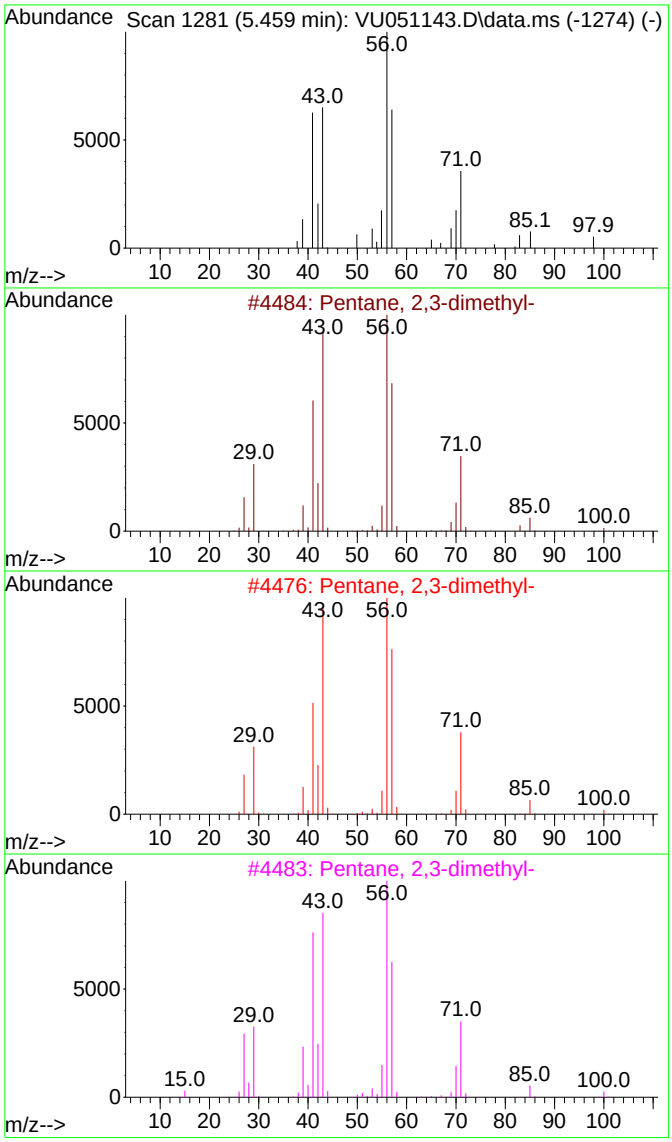
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092922WMA.M
Quant Title : VOC Analysis

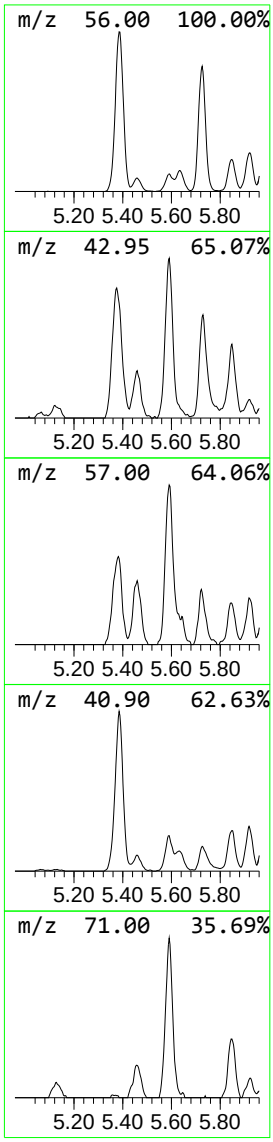
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.459	2.65 ug/L	51158	1,4-Difluorobenzene	6.247

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	72
2	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	72
3	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	72
4	1-Hexene, 2-methyl-	98	C7H14	006094-02-6	64
5	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	56





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100522\
Data File : VU051143.D
Acq On : 05 Oct 2022 22:18
Operator : JC/MD
Sample : N4889-02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 33 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
EXZ60

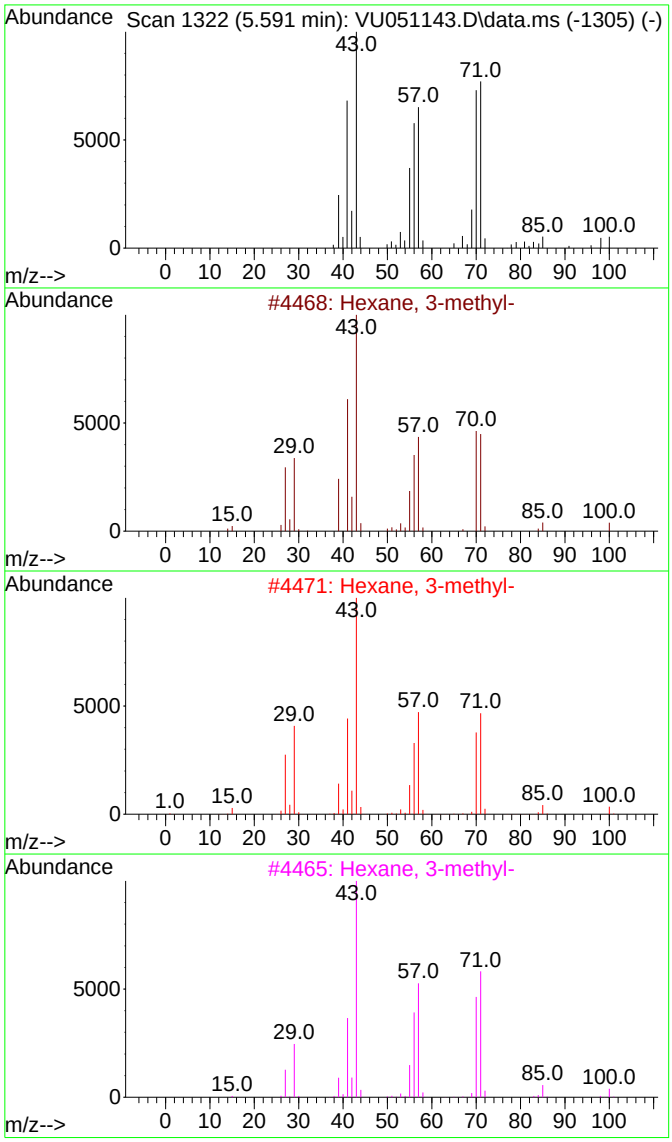
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092922WMA.M
Quant Title : VOC Analysis

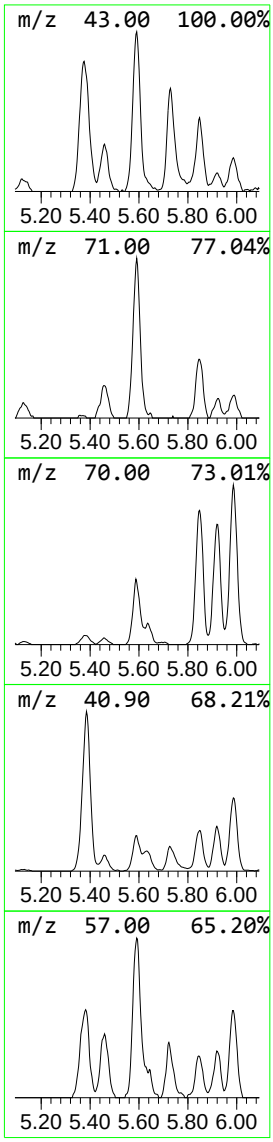
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.591	7.95 ug/L	153422	1,4-Difluorobenzene	6.247

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 3-methyl-	100	C7H16	000589-34-4	94
2	Hexane, 3-methyl-	100	C7H16	000589-34-4	80
3	Hexane, 3-methyl-	100	C7H16	000589-34-4	80
4	Decane, 3,3,4-trimethyl-	184	C13H28	049622-18-6	59
5	Octane, 4,5-dimethyl-	142	C10H22	015869-96-2	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100522\
Data File : VU051143.D
Acq On : 05 Oct 2022 22:18
Operator : JC/MD
Sample : N4889-02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 33 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
EXZ60

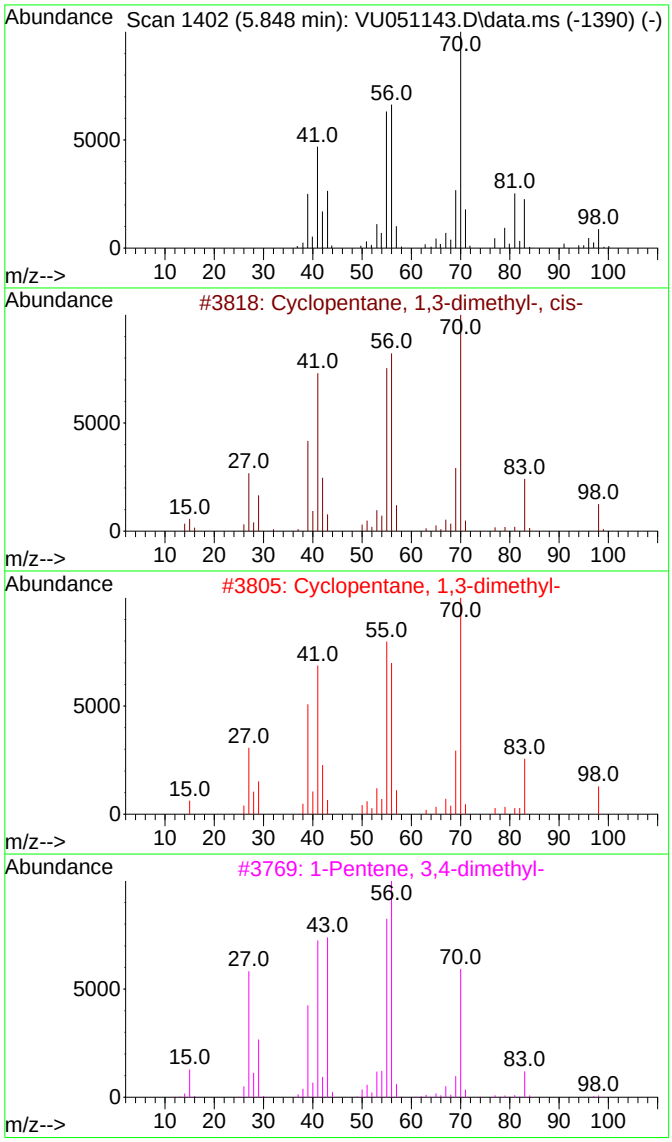
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092922WMA.M
Quant Title : VOC Analysis

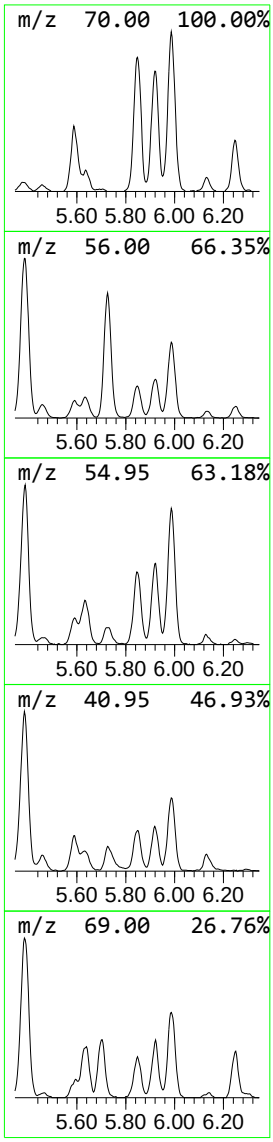
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 (DEL) Alkane: Cyclic5.848 Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.848	10.64 ug/L	205298	1,4-Difluorobenzene	6.247

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	90
2	Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	90
3	1-Pentene, 3,4-dimethyl-	98	C7H14	007385-78-6	64
4	1-Octene, 3-methyl-	126	C9H18	013151-08-1	64
5	Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	52





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100522\
Data File : VU051143.D
Acq On : 05 Oct 2022 22:18
Operator : JC/MD
Sample : N4889-02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 33 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
EXZ60

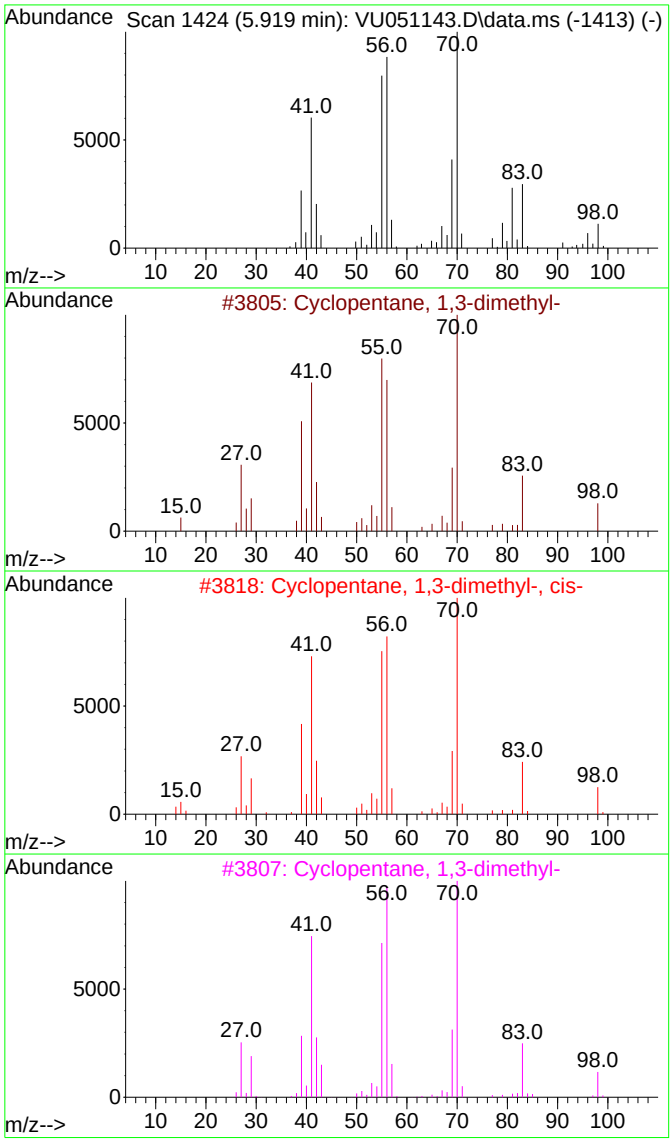
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092922WMA.M
Quant Title : VOC Analysis

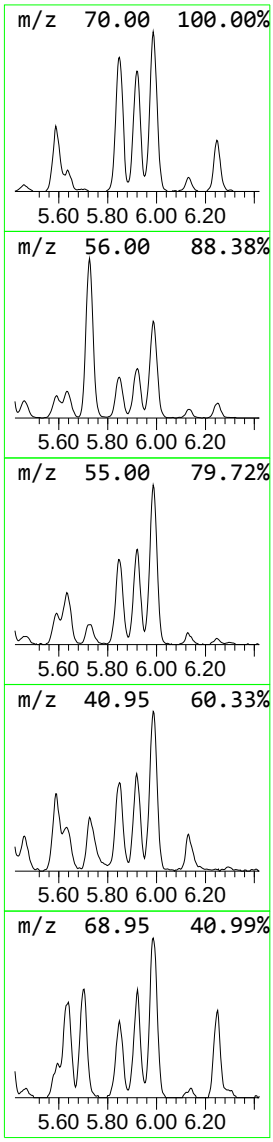
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 (DEL) Alkane: Cyclic5.919 Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.919	10.66 ug/L	205592	1,4-Difluorobenzene	6.247

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	93
2	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	91
3	Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	90
4	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	90
5	Cyclopentane, 1,3-dimethyl-, trans-	98	C7H14	001759-58-6	90





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Data File : VU051143.D
Acq On : 05 Oct 2022 22:18
Operator : JC/MD
Sample : N4889-02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 33 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
EXZ60

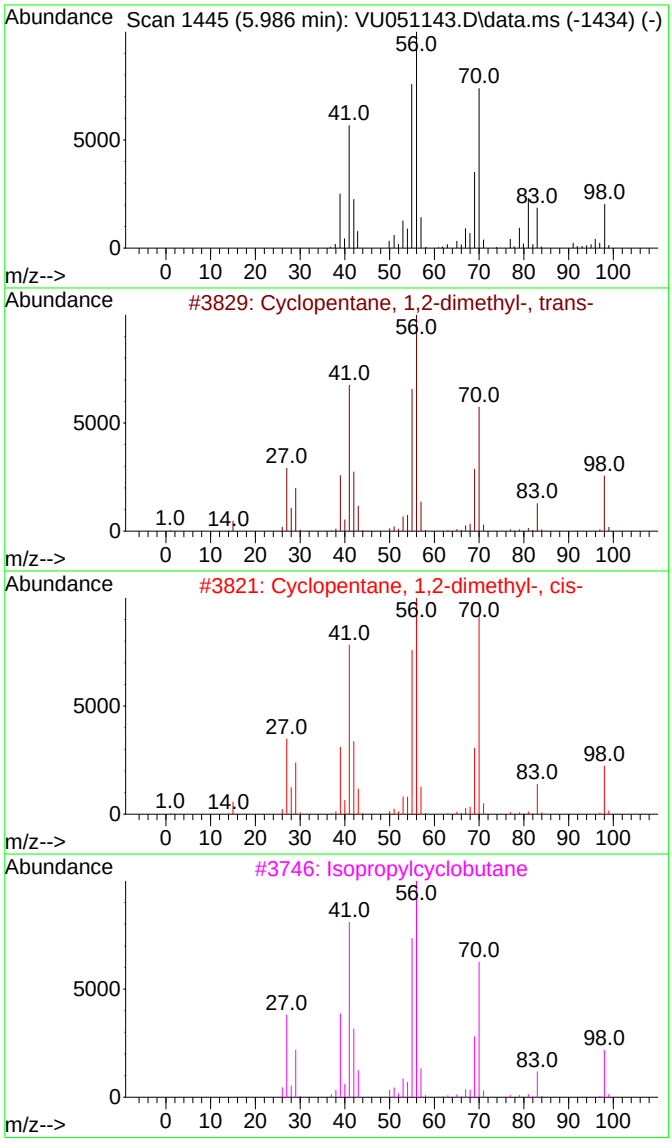
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092922WMA.M
Quant Title : VOC Analysis

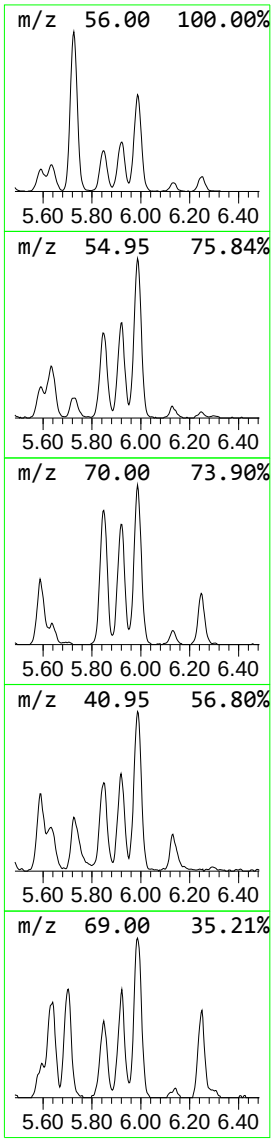
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 (DEL) Alkane: Cyclic5.986 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.986	18.75 ug/L	361613	1,4-Difluorobenzene	6.247

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	90
2	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	90
3	Isopropylcyclobutane	98	C7H14	000872-56-0	90
4	Cyclopentane, 1,2-dimethyl-	98	C7H14	002452-99-5	90
5	Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	80





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Data File : VU051143.D
Acq On : 05 Oct 2022 22:18
Operator : JC/MD
Sample : N4889-02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 33 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
EXZ60

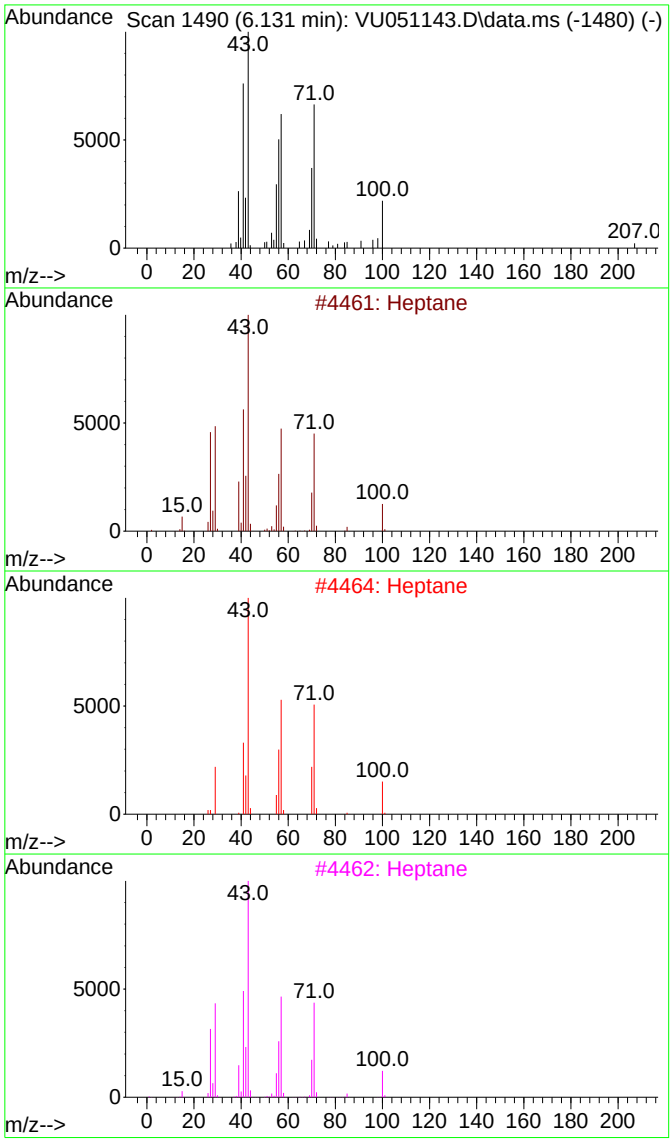
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092922WMA.M
Quant Title : VOC Analysis

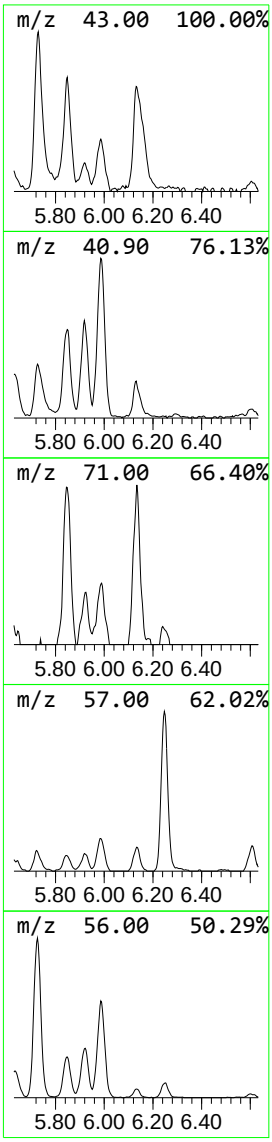
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.131	3.15 ug/L	60710	1,4-Difluorobenzene	6.247

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane	100	C7H16	000142-82-5	78
2	Heptane	100	C7H16	000142-82-5	72
3	Heptane	100	C7H16	000142-82-5	59
4	Hexane, 3-methyl-	100	C7H16	000589-34-4	59
5	Heptane	100	C7H16	000142-82-5	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100522\
Data File : VU051143.D
Acq On : 05 Oct 2022 22:18
Operator : JC/MD
Sample : N4889-02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 33 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
EXZ60

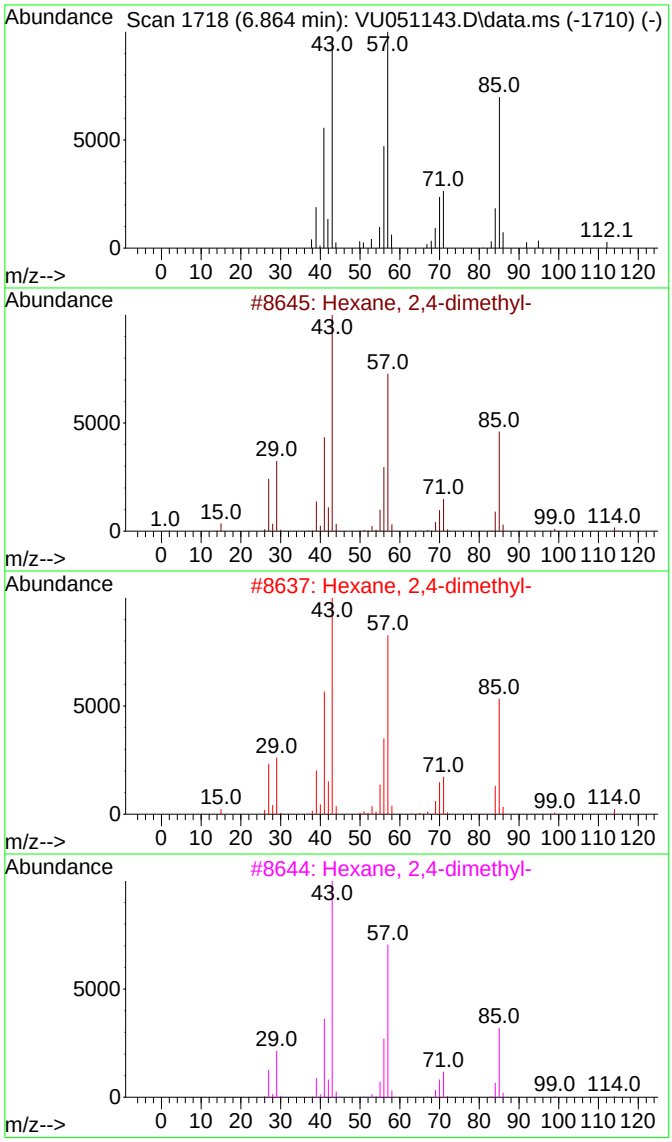
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092922WMA.M
Quant Title : VOC Analysis

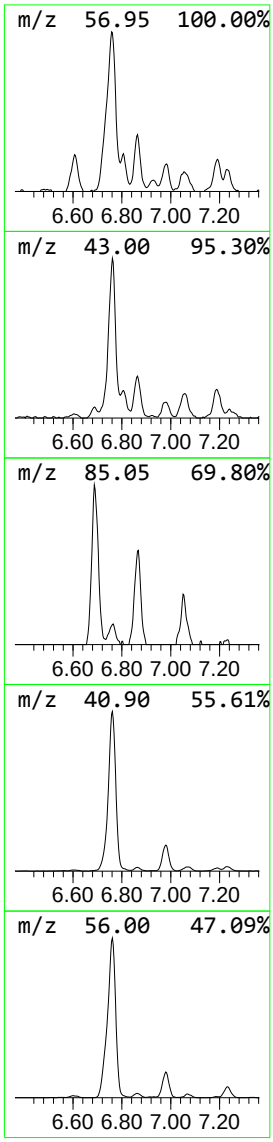
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 (DEL) Alkane: Straight-Chai... Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.864	2.66 ug/L	51302	1,4-Difluorobenzene	6.247

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	78
2	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	78
3	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	78
4	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	64
5	Hexane, 1-(hexyloxy)-2-methyl-	200	C13H28O	074421-17-3	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100522\
Data File : VU051143.D
Acq On : 05 Oct 2022 22:18
Operator : JC/MD
Sample : N4889-02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 33 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
EXZ60

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092922WMA.M
Quant Title : VOC Analysis

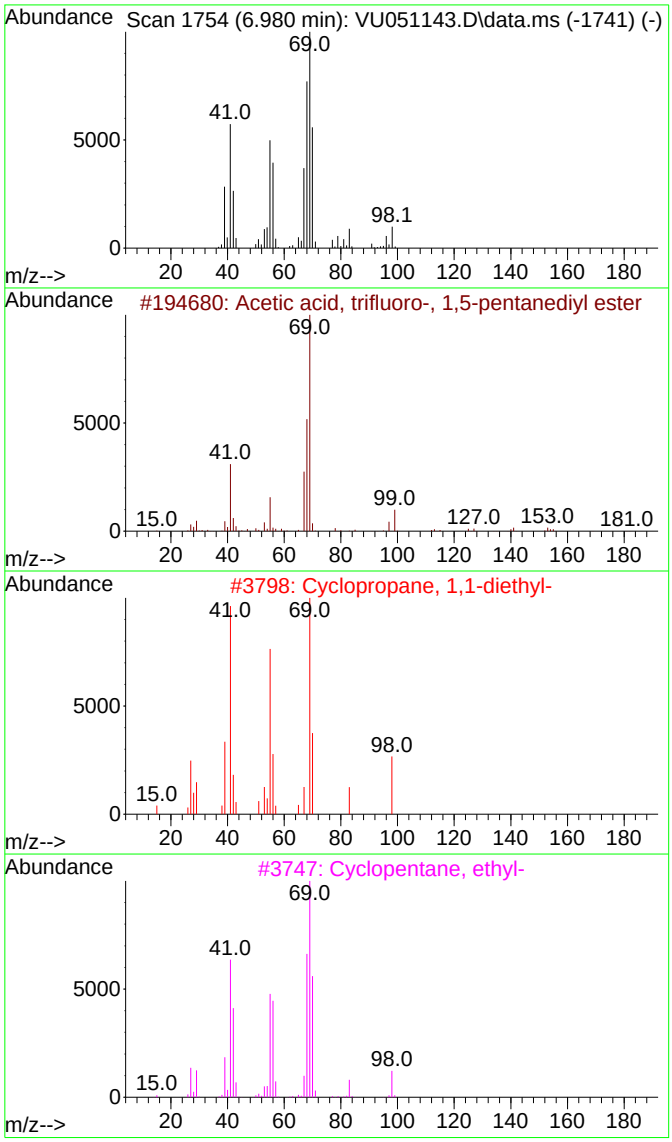
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

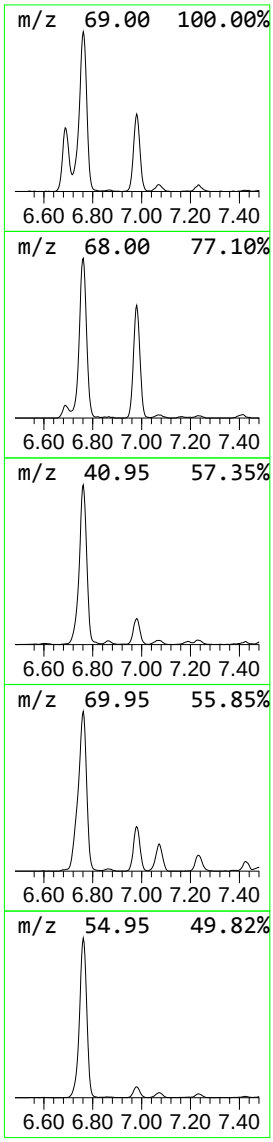
****

Peak Number 11 unknown-01 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.980	19.70 ug/L	379901	1,4-Difluorobenzene	6.247

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetic acid, trifluoro-, 1,5-pen...	296	C9H10F6O4	000453-44-1	42
2	Cyclopropane, 1,1-diethyl-	98	C7H14	001003-19-6	38
3	Cyclopentane, ethyl-	98	C7H14	001640-89-7	38
4	Cyclopentanemethanol	100	C6H12O	003637-61-4	37
5	Cyclopentanone, 3-methyl-	98	C6H10O	001757-42-2	35





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Data File : VU051143.D
Acq On : 05 Oct 2022 22:18
Operator : JC/MD
Sample : N4889-02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 33 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
EXZ60

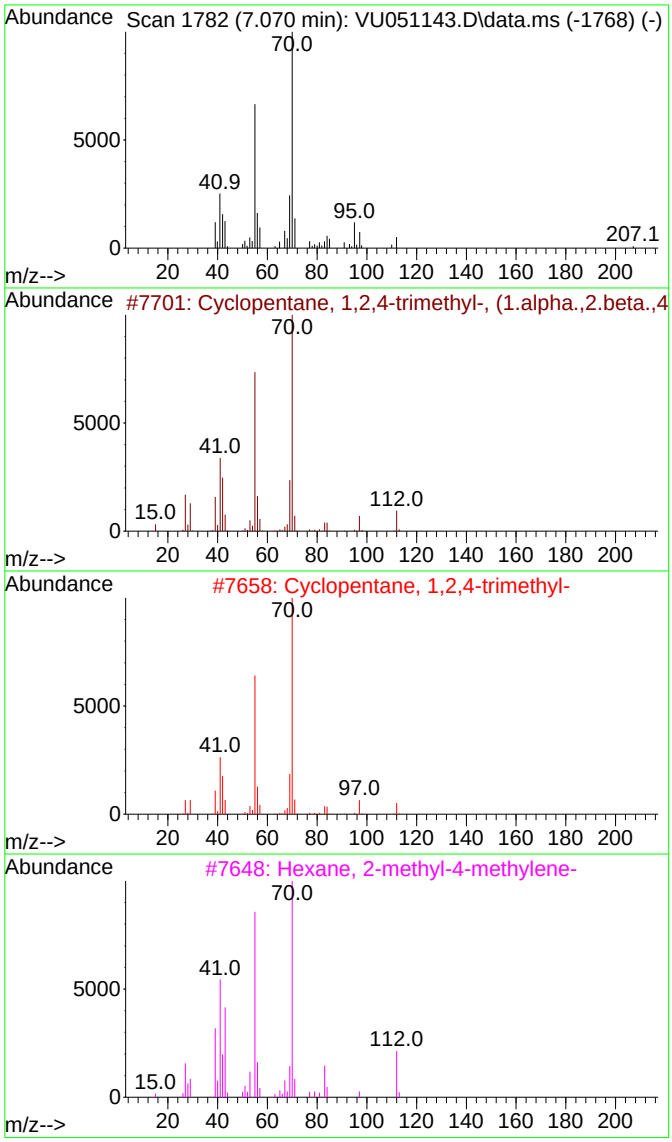
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092922WMA.M
Quant Title : VOC Analysis

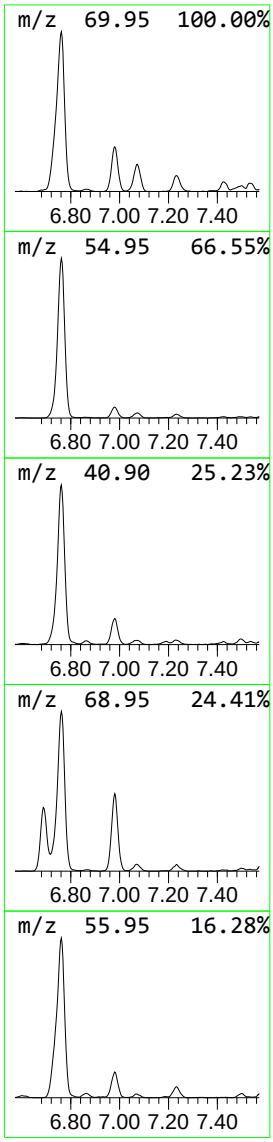
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 (DEL) Alkane: Cyclic7.070 Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.070	5.86 ug/L	112938	1,4-Difluorobenzene	6.247

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	016883-48-0	87
2	Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	72
3	Hexane, 2-methyl-4-methylene-	112	C8H16	003404-80-6	64
4	2-Decene, 3-methyl-, (Z)-	154	C11H22	074630-26-5	64
5	Heptane, 3-methylene-	112	C8H16	001632-16-2	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100522\
Data File : VU051143.D
Acq On : 05 Oct 2022 22:18
Operator : JC/MD
Sample : N4889-02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 33 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
EXZ60

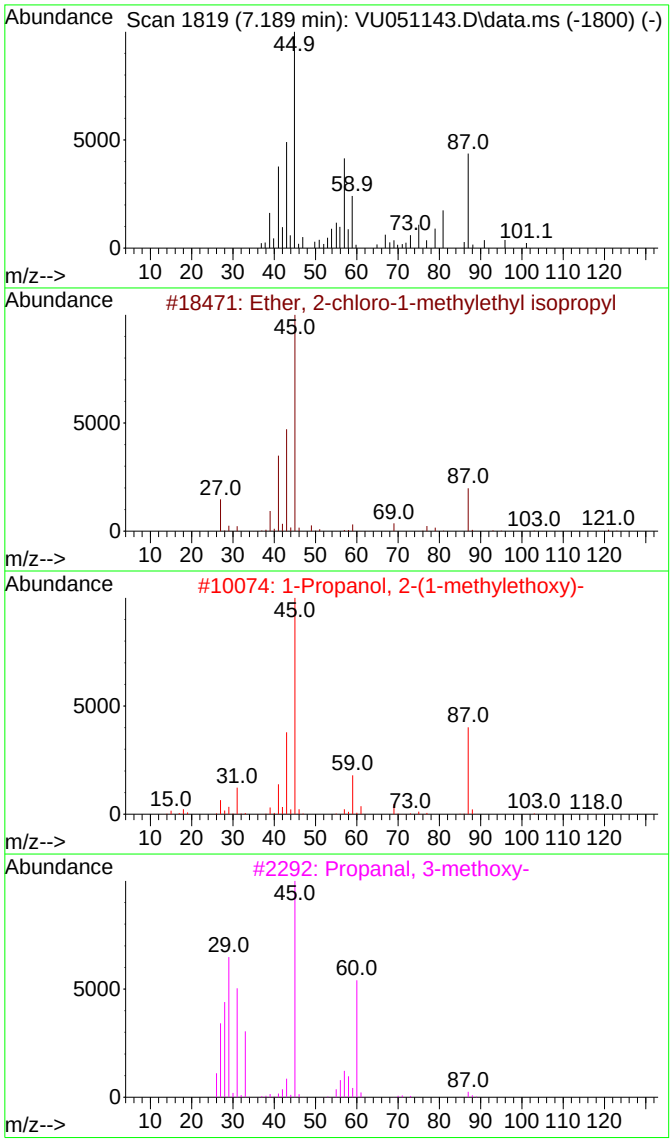
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092922WMA.M
Quant Title : VOC Analysis

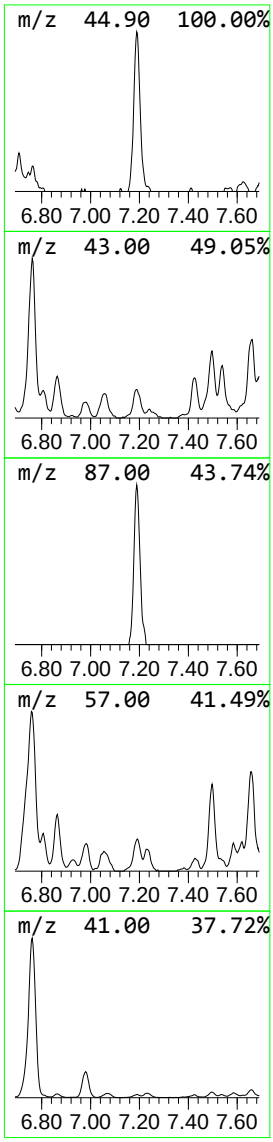
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 unknown-02 Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.189	3.47 ug/L	66974	1,4-Difluorobenzene	6.247

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ether, 2-chloro-1-methylethyl is...	136	C6H13ClO	098277-76-0	40
2	1-Propanol, 2-(1-methylethoxy)-	118	C6H14O2	003944-37-4	38
3	Propanal, 3-methoxy-	88	C4H8O2	002806-84-0	37
4	Hexane, 1,2,3-trimethoxy-	176	C9H20O3	020637-29-0	36
5	2-Hexanol, 5-methyl-	116	C7H16O	000627-59-8	32





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Data File : VU051143.D
Acq On : 05 Oct 2022 22:18
Operator : JC/MD
Sample : N4889-02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 33 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
EXZ60

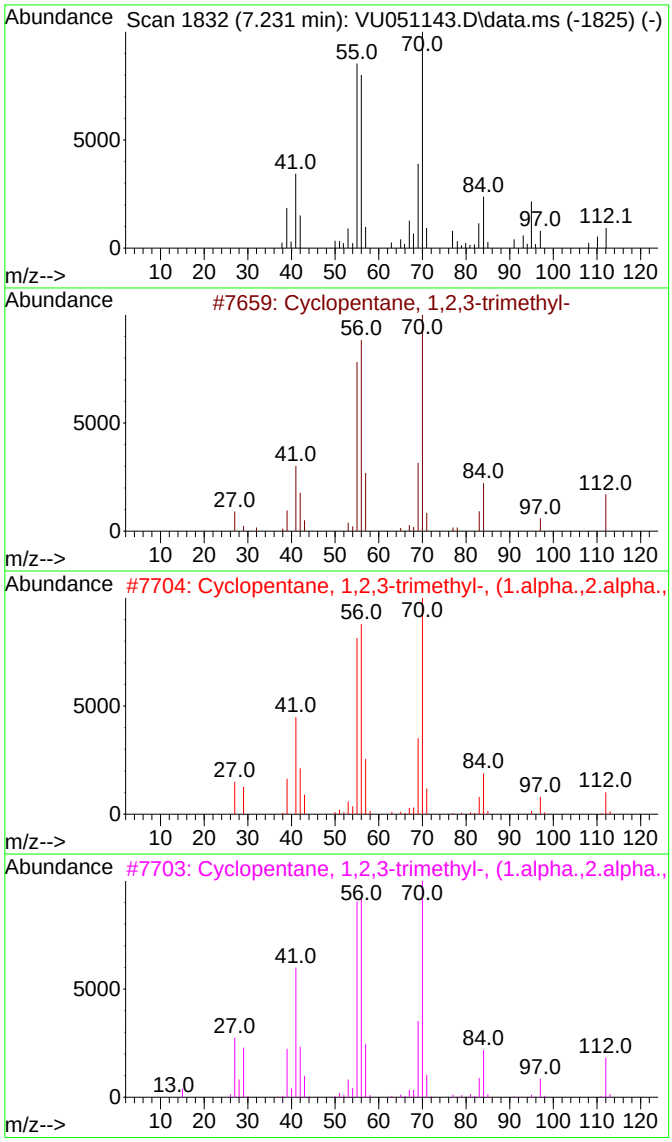
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092922WMA.M
Quant Title : VOC Analysis

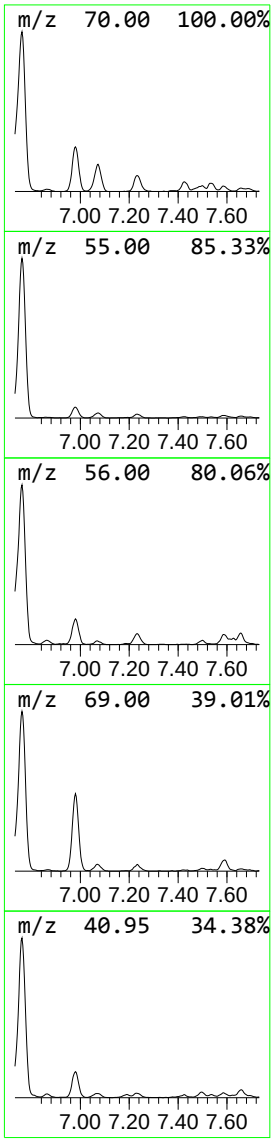
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 (DEL) Alkane: Cyclic7.231 Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.231	5.07 ug/L	97731	1,4-Difluorobenzene	6.247

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,2,3-trimethyl-	112	C8H16	002815-57-8	90
2	Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	015890-40-1	87
3	Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	015890-40-1	87
4	cis-1-Butyl-2-methylcyclopropane	112	C8H16	038851-69-3	64
5	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100522\
Data File : VU051143.D
Acq On : 05 Oct 2022 22:18
Operator : JC/MD
Sample : N4889-02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 33 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
EXZ60

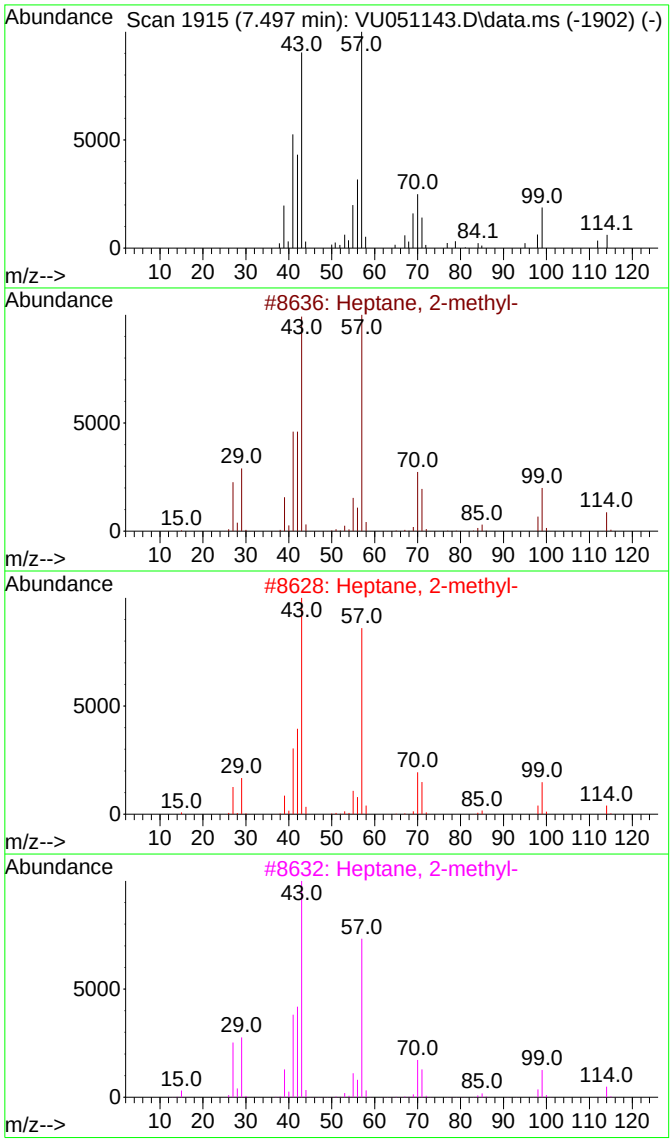
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092922WMA.M
Quant Title : VOC Analysis

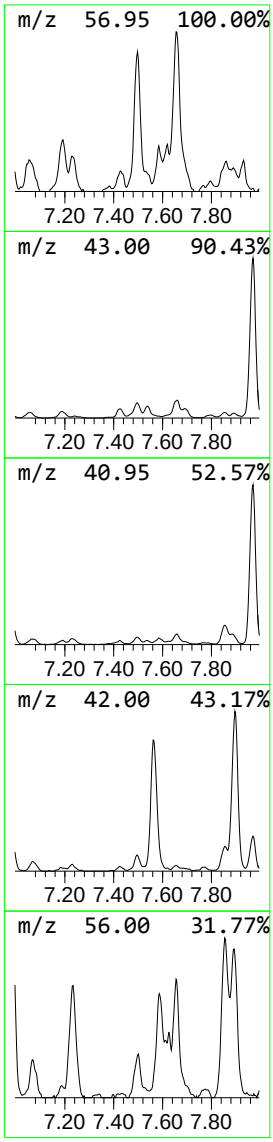
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 (DEL) Alkane: Straight-Chai... Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.497	3.40 ug/L	65581	1,4-Difluorobenzene	6.247

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2-methyl-	114	C8H18	000592-27-8	81
2	Heptane, 2-methyl-	114	C8H18	000592-27-8	74
3	Heptane, 2-methyl-	114	C8H18	000592-27-8	74
4	Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	49
5	Octane, 2,3-dimethyl-	142	C10H22	007146-60-3	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100522\
Data File : VU051143.D
Acq On : 05 Oct 2022 22:18
Operator : JC/MD
Sample : N4889-02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 33 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
EXZ60

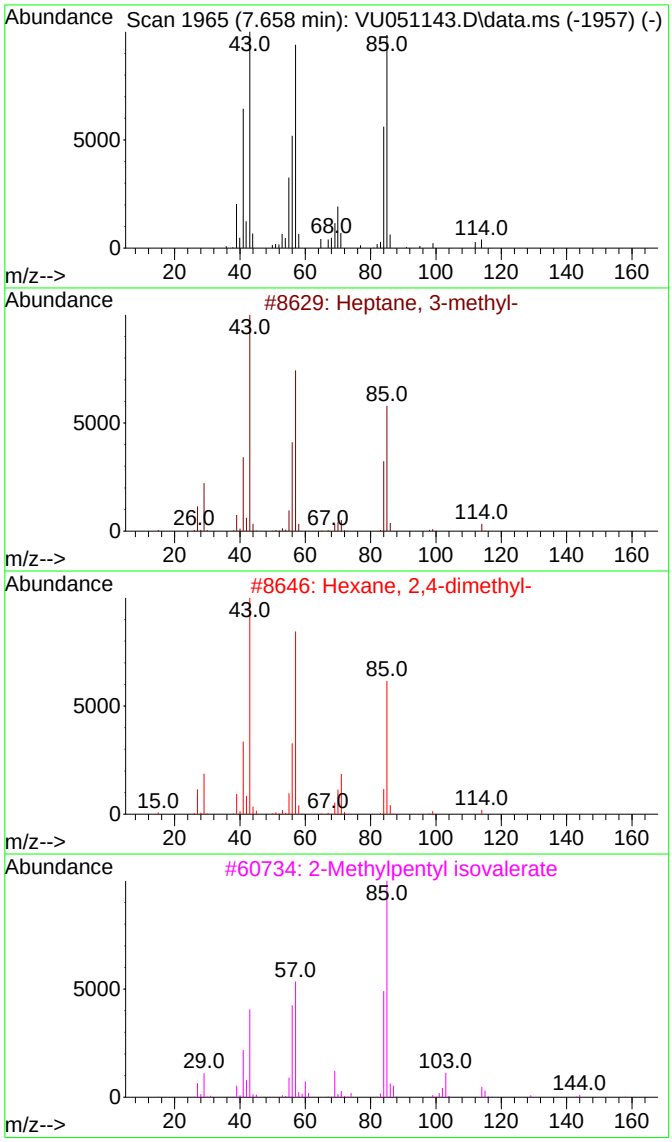
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092922WMA.M
Quant Title : VOC Analysis

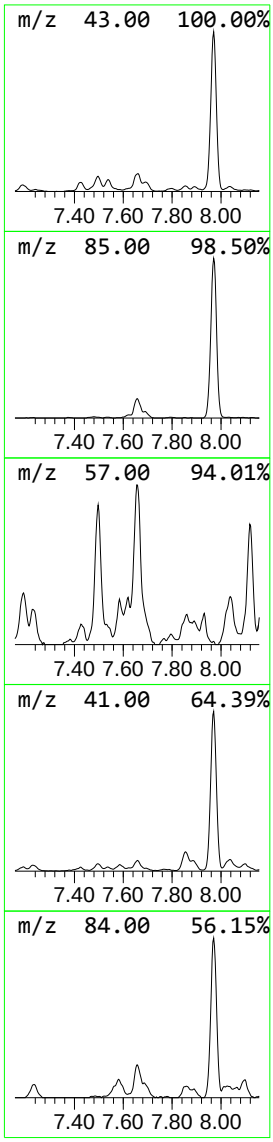
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 (DEL) Alkane: Straight-Chai... Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.658	3.47 ug/L	66968	1,4-Difluorobenzene	6.247

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3-methyl-	114	C8H18	000589-81-1	74
2	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	62
3	2-Methylpentyl isovalerate	186	C11H22O2	1000236-38-7	59
4	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	58
5	Pentane, 2,3,3,4-tetramethyl-	128	C9H20	016747-38-9	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100522\
Data File : VU051143.D
Acq On : 05 Oct 2022 22:18
Operator : JC/MD
Sample : N4889-02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 33 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
EXZ60

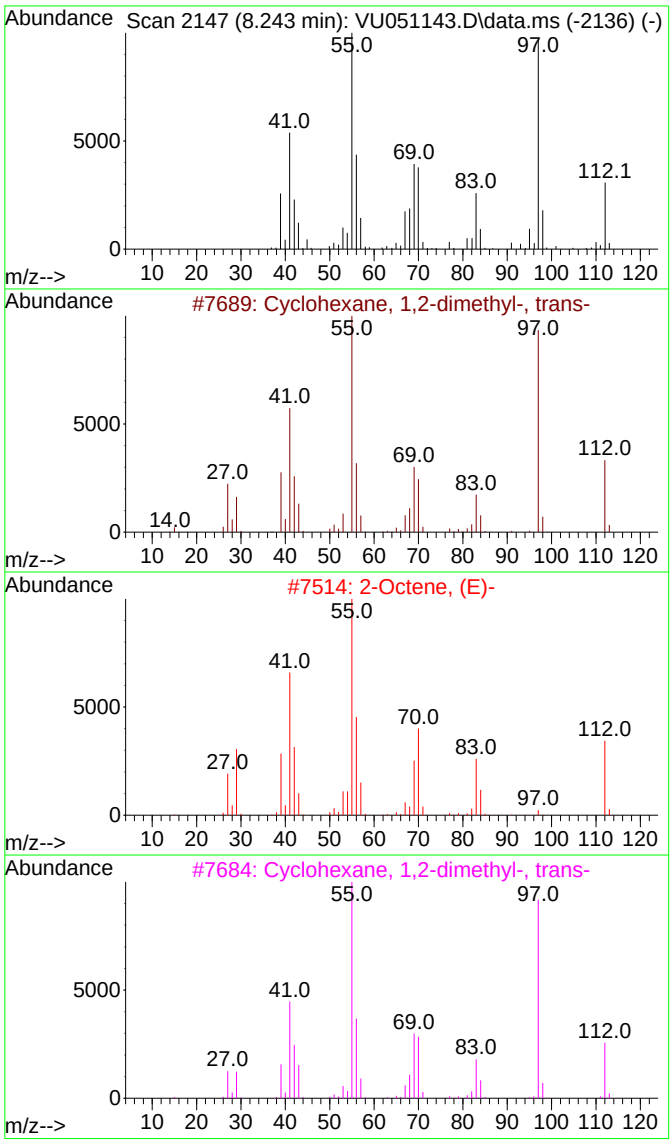
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092922WMA.M
Quant Title : VOC Analysis

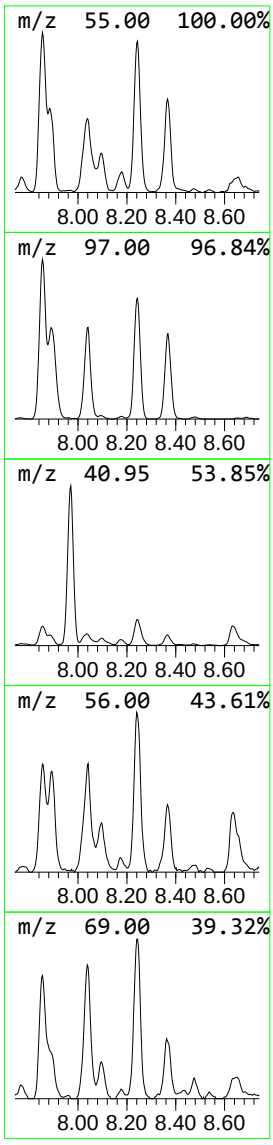
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 18 (DEL) Alkane: Cyclic8.243 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.243	17.02 ug/L	405731	Chlorobenzene-d5	9.417

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	95
2	2-Octene, (E)-	112	C8H16	013389-42-9	91
3	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	90
4	Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	90
5	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	90





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100522\
Data File : VU051143.D
Acq On : 05 Oct 2022 22:18
Operator : JC/MD
Sample : N4889-02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 33 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
EXZ60

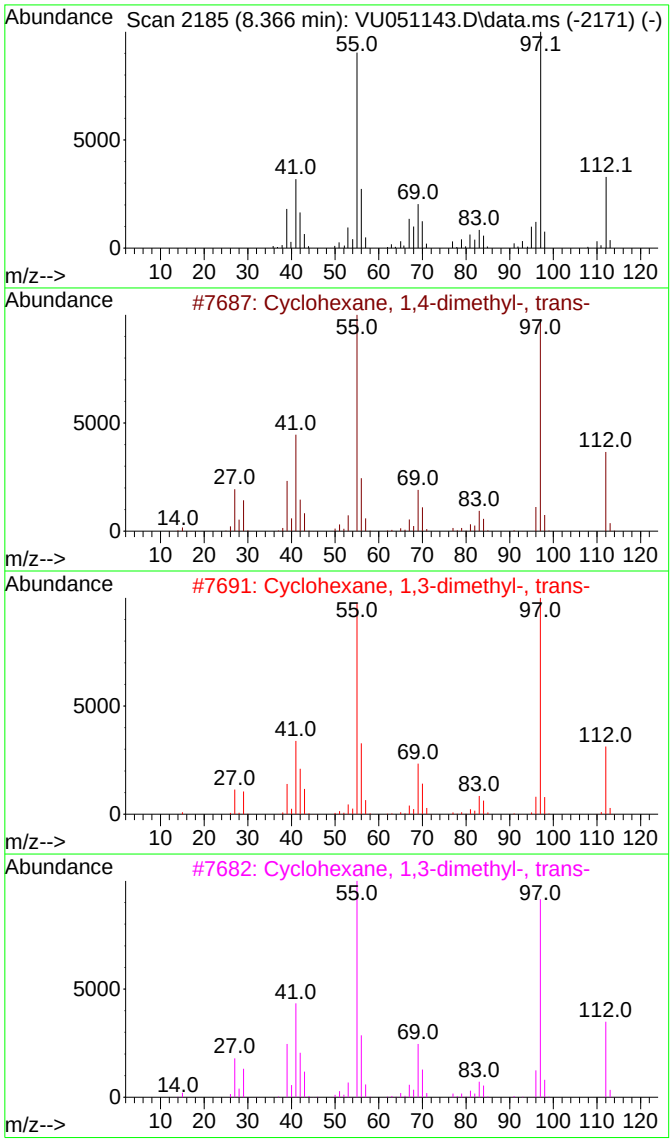
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092922WMA.M
Quant Title : VOC Analysis

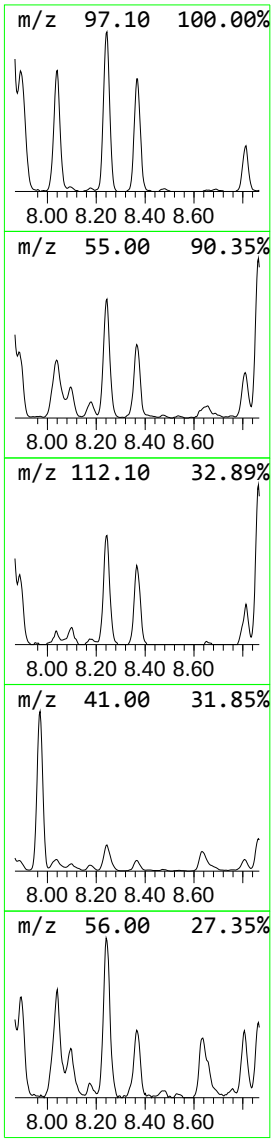
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 19 (DEL) Alkane: Cyclic8.366 Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.366	7.64 ug/L	182153	Chlorobenzene-d5	9.417

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	97
2	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	95
3	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	95
4	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	95
5	Cyclohexane, 1,4-dimethyl-	112	C8H16	000589-90-2	94





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100522\
Data File : VU051143.D
Acq On : 05 Oct 2022 22:18
Operator : JC/MD
Sample : N4889-02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 33 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
EXZ60

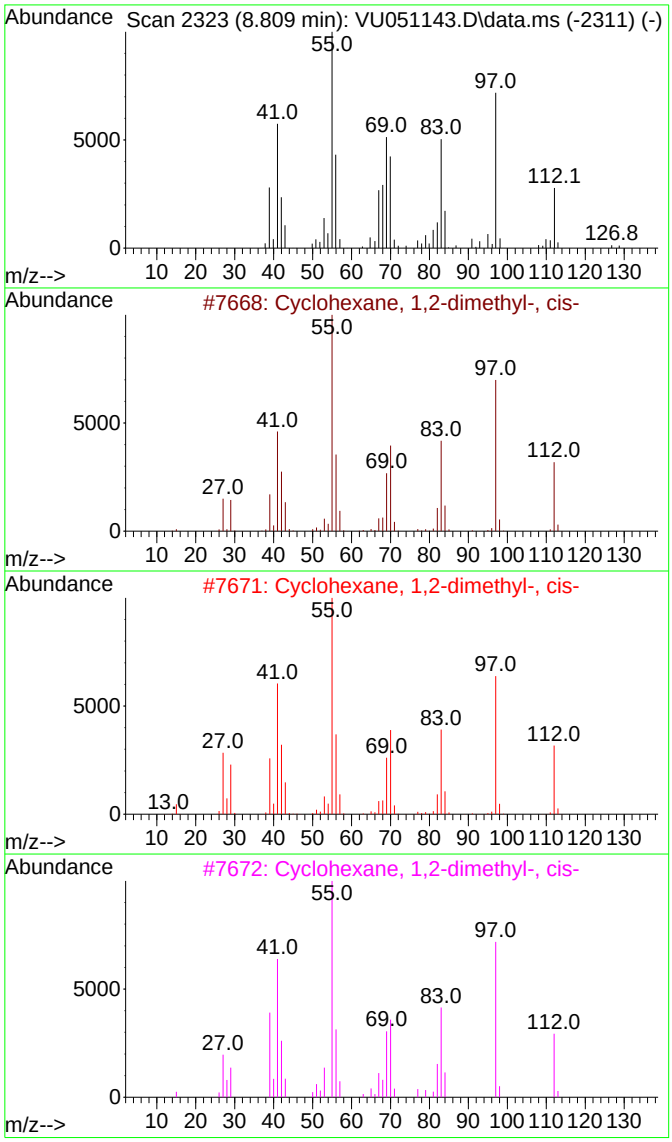
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092922WMA.M
Quant Title : VOC Analysis

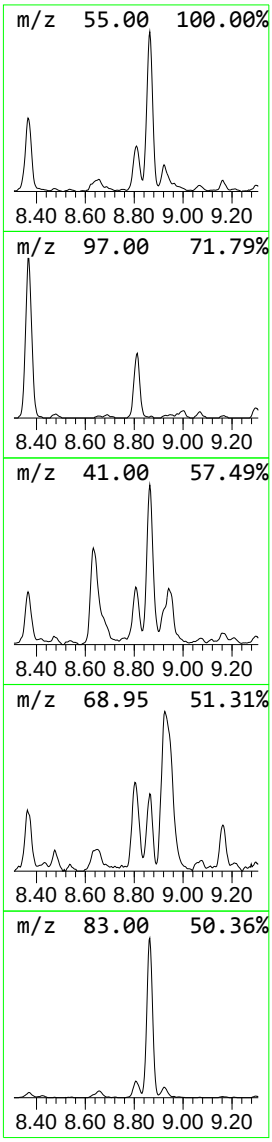
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 20 (DEL) Alkane: Cyclic8.809 Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.809	6.06 ug/L	144550	Chlorobenzene-d5	9.417

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2-dimethyl-, cis-	112	C8H16	002207-01-4	91
2	Cyclohexane, 1,2-dimethyl-, cis-	112	C8H16	002207-01-4	87
3	Cyclohexane, 1,2-dimethyl-, cis-	112	C8H16	002207-01-4	64
4	1,2-Cyclohexanedione	112	C6H8O2	000765-87-7	62
5	2-Octene	112	C8H16	000111-67-1	53





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Data File : VU051143.D
Acq On : 05 Oct 2022 22:18
Operator : JC/MD
Sample : N4889-02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 33 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
EXZ60

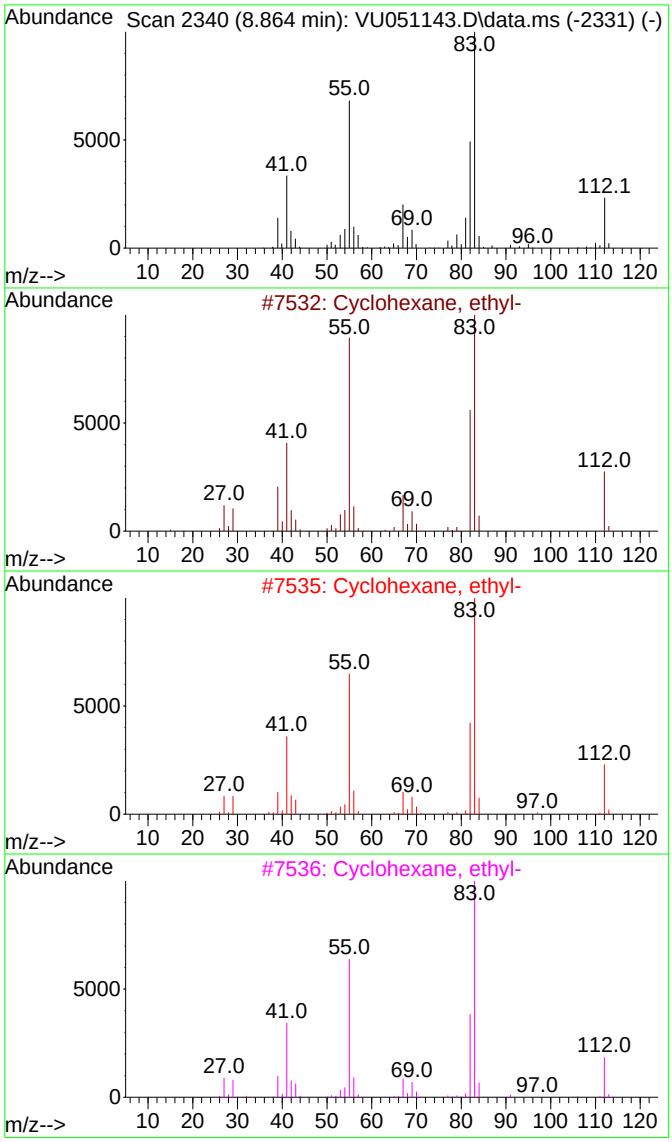
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092922WMA.M
Quant Title : VOC Analysis

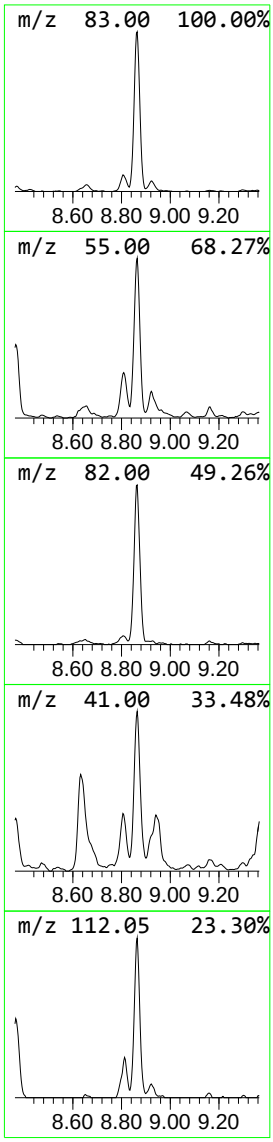
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 21 (DEL) Alkane: Cyclic8.864 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.864	17.91 ug/L	427047	Chlorobenzene-d5	9.417

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, ethyl-	112	C8H16	001678-91-7	93
2	Cyclohexane, ethyl-	112	C8H16	001678-91-7	87
3	Cyclohexane, ethyl-	112	C8H16	001678-91-7	83
4	Cyclohexane, ethyl-	112	C8H16	001678-91-7	80
5	3-Hexene, 2,4-dimethyl-	112	C8H16	082085-14-1	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100522\
Data File : VU051143.D
Acq On : 05 Oct 2022 22:18
Operator : JC/MD
Sample : N4889-02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 33 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
EXZ60

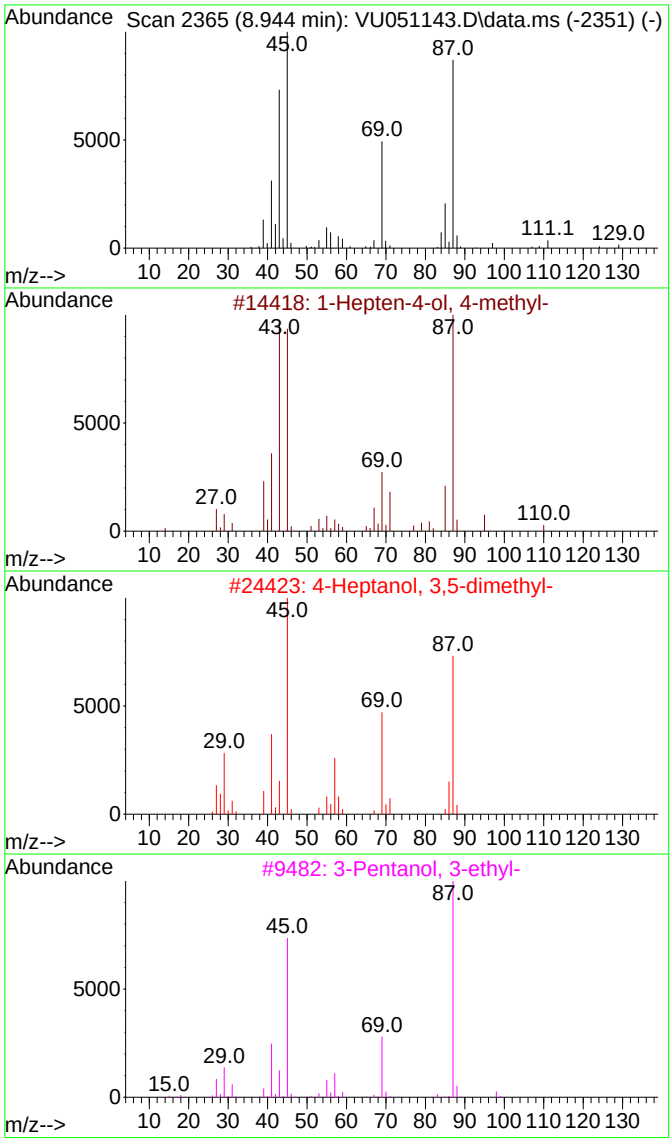
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092922WMA.M
Quant Title : VOC Analysis

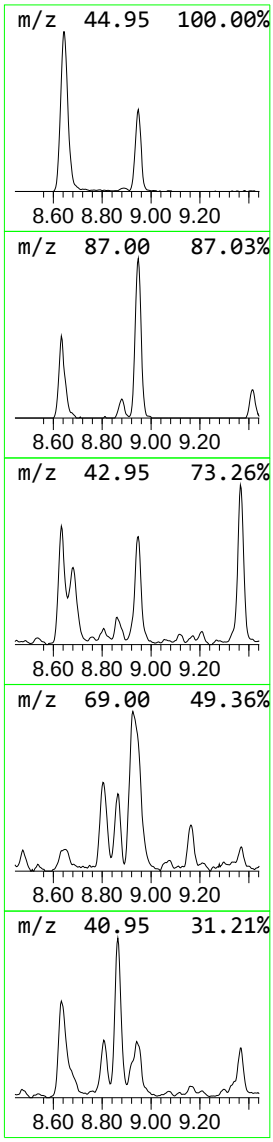
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 22 1-Hepten-4-ol, 4-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.944	11.41 ug/L	272104	Chlorobenzene-d5	9.417

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hepten-4-ol, 4-methyl-	128	C8H16O	001186-31-8	64
2	4-Heptanol, 3,5-dimethyl-	144	C9H20O	019549-79-2	64
3	3-Pentanol, 3-ethyl-	116	C7H16O	000597-49-9	59
4	DL-Lactamide, N,O-dipropyl-	173	C9H19NO2	1010452-56-1	59
5	Hydrazine, 1,1-dipropyl-	116	C6H16N2	004986-50-9	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100522\
Data File : VU051143.D
Acq On : 05 Oct 2022 22:18
Operator : JC/MD
Sample : N4889-02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 33 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
EXZ60

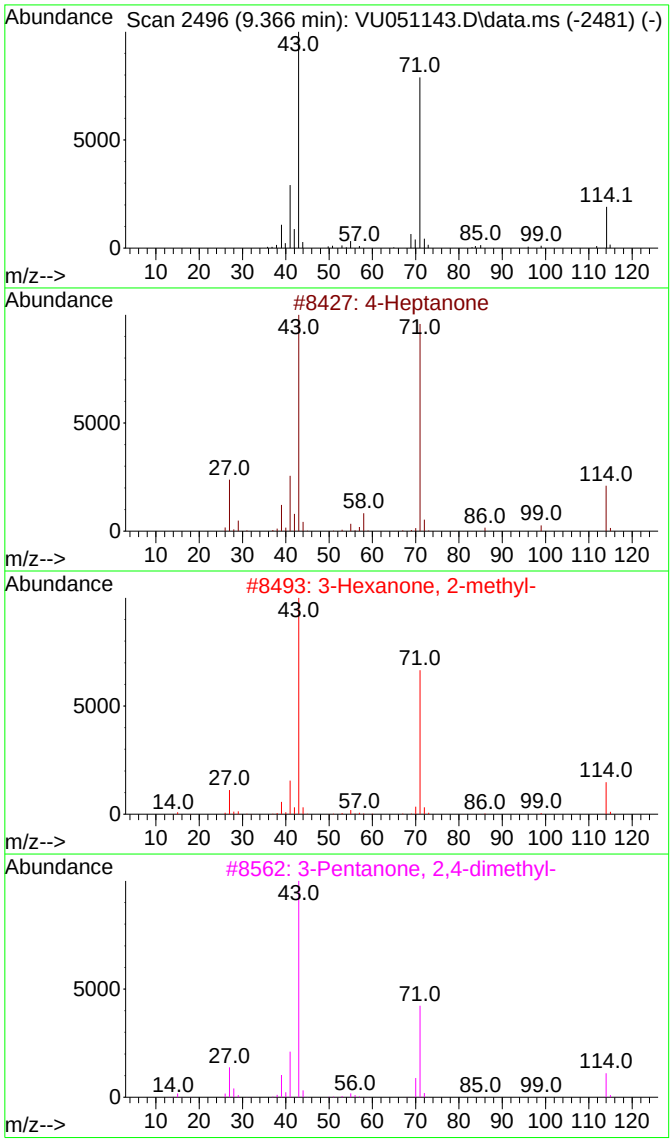
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092922WMA.M
Quant Title : VOC Analysis

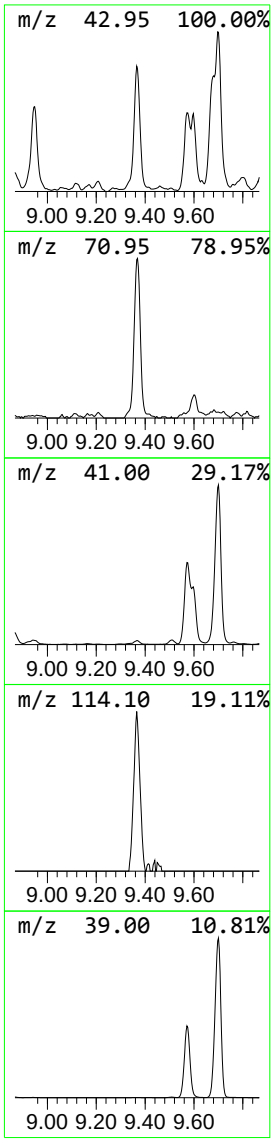
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 23 4-Heptanone Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.366	4.20 ug/L	100037	Chlorobenzene-d5	9.417

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Heptanone	114	C7H14O	000123-19-3	86
2	3-Hexanone, 2-methyl-	114	C7H14O	007379-12-6	86
3	3-Pentanone, 2,4-dimethyl-	114	C7H14O	000565-80-0	80
4	4-Heptanone	114	C7H14O	000123-19-3	78
5	3-Pentanone, 2,4-dimethyl-	114	C7H14O	000565-80-0	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100522\
Data File : VU051143.D
Acq On : 05 Oct 2022 22:18
Operator : JC/MD
Sample : N4889-02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 33 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
EXZ60

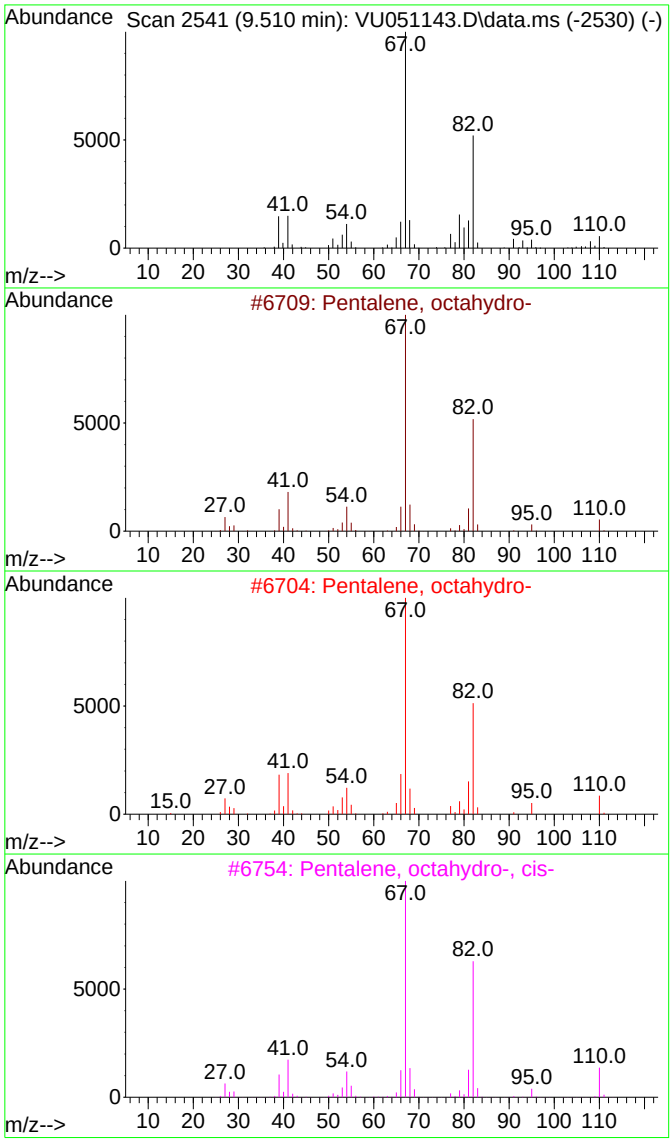
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092922WMA.M
Quant Title : VOC Analysis

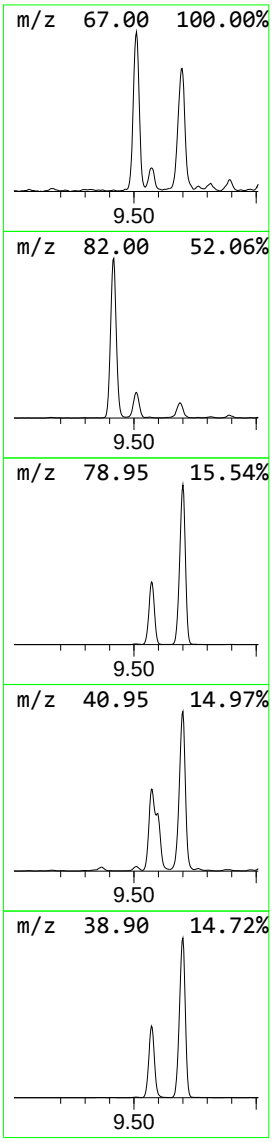
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 24 Pentalene, octahydro- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.510	9.43 ug/L	224831	Chlorobenzene-d5	9.417

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentalene, octahydro-	110	C8H14	000694-72-4	87
2	Pentalene, octahydro-	110	C8H14	000694-72-4	83
3	Pentalene, octahydro-, cis-	110	C8H14	001755-05-1	78
4	4-Methyl-2-pentyne	82	C6H10	021020-27-9	72
5	1,3-Pentadiene, 2-methyl-, (E)-	82	C6H10	000926-54-5	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100522\
Data File : VU051143.D
Acq On : 05 Oct 2022 22:18
Operator : JC/MD
Sample : N4889-02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 33 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
EXZ60

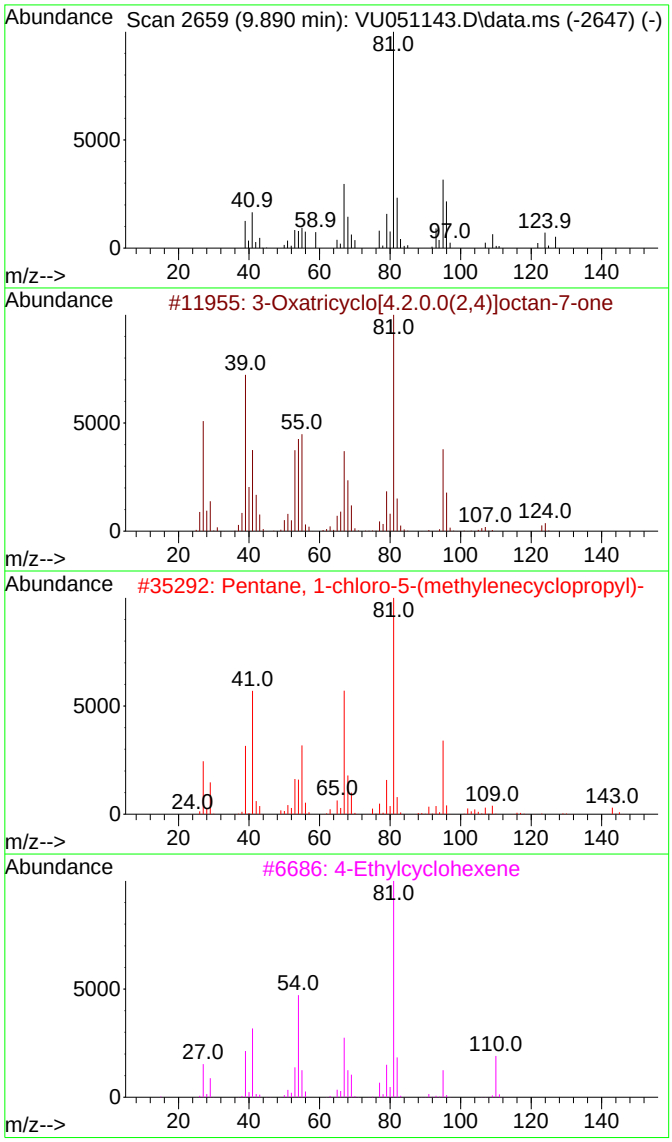
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092922WMA.M
Quant Title : VOC Analysis

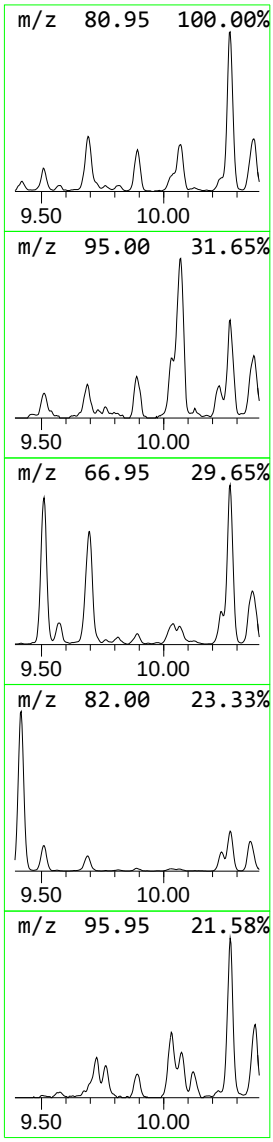
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 25 3-Oxatricyclo[4.2.0.0(2,4)]... Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.890	4.55 ug/L	108457	Chlorobenzene-d5	9.417

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Oxatricyclo[4.2.0.0(2,4)]octan...	124	C7H8O2	1000211-18-1	64
2	Pentane, 1-chloro-5-(methylenecy...	158	C9H15Cl	1000158-49-0	50
3	4-Ethylcyclohexene	110	C8H14	003742-42-5	50
4	Cyclopentene, 4,4-dimethyl-	96	C7H12	019037-72-0	49
5	Cyclopentene, 1,5-dimethyl-	96	C7H12	016491-15-9	49





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100522\
Data File : VU051143.D
Acq On : 05 Oct 2022 22:18
Operator : JC/MD
Sample : N4889-02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 33 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
EXZ60

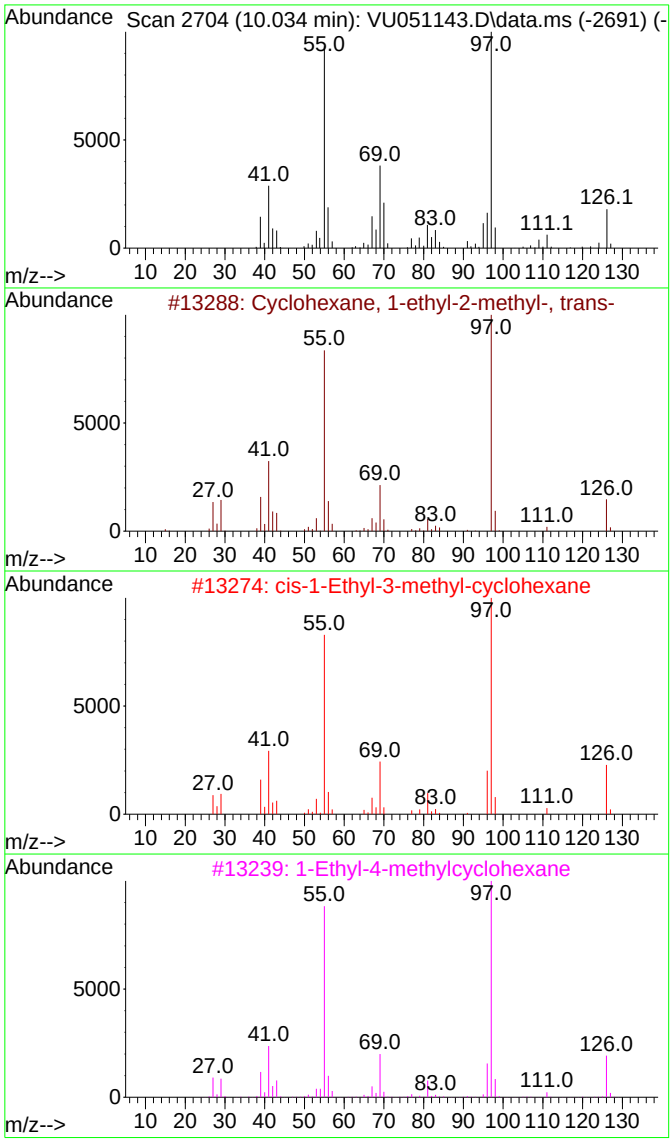
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092922WMA.M
Quant Title : VOC Analysis

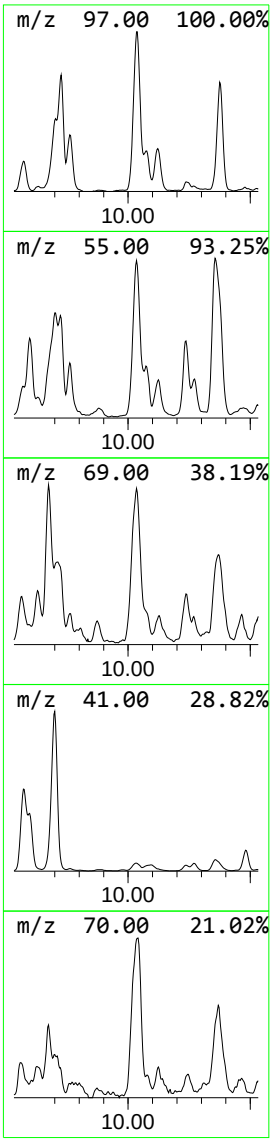
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 26 (DEL) Alkane: Cyclic10.034 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.034	17.33 ug/L	413224	Chlorobenzene-d5	9.417

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-78-8	76
2	cis-1-Ethyl-3-methyl-cyclohexane	126	C9H18	019489-10-2	74
3	1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	72
4	1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	72
5	2-Hexene, 3,4,4-trimethyl-	126	C9H18	053941-19-8	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100522\
Data File : VU051143.D
Acq On : 05 Oct 2022 22:18
Operator : JC/MD
Sample : N4889-02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 33 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
EXZ60

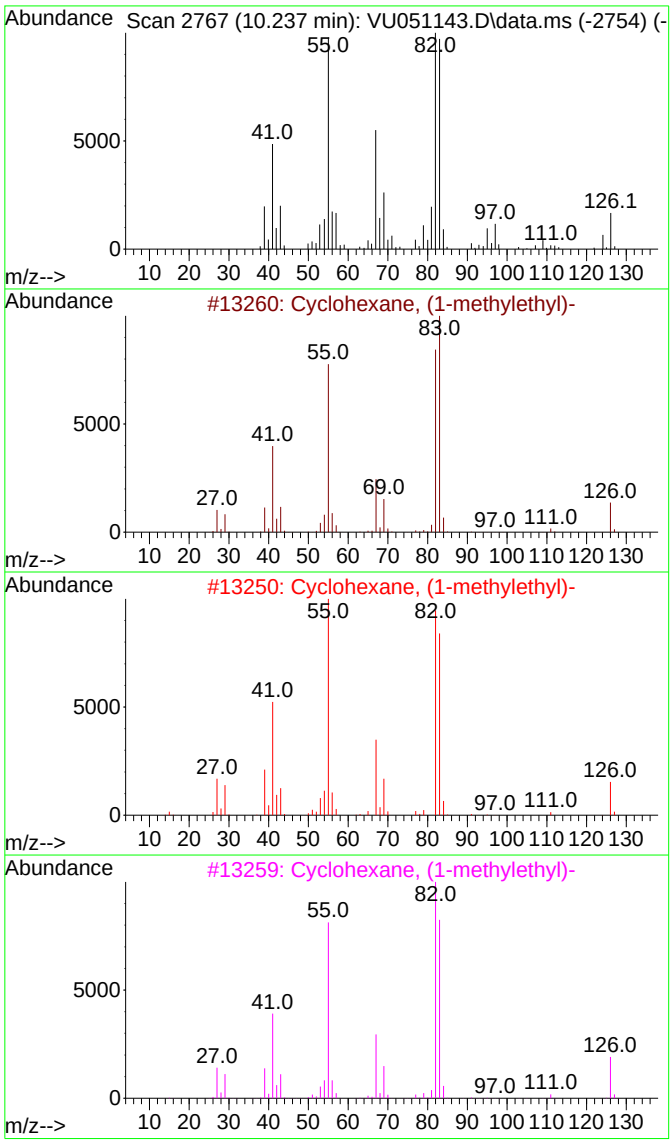
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092922WMA.M
Quant Title : VOC Analysis

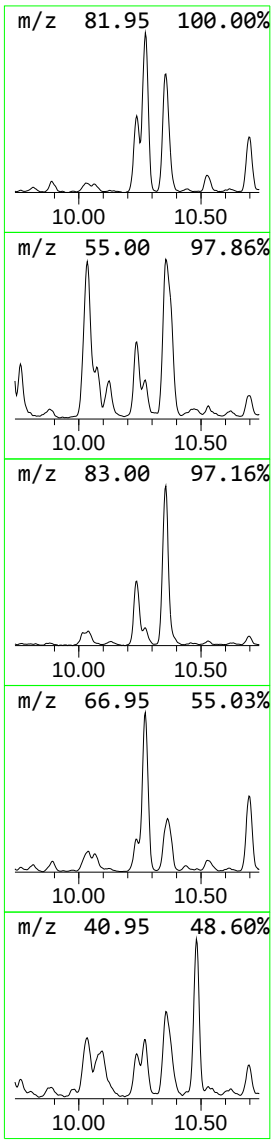
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 27 (DEL) Alkane: Cyclic10.237 Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.237	8.72 ug/L	207855	Chlorobenzene-d5	9.417

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	81
2	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	81
3	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	72
4	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	68
5	Cyclohexane, undecyl-	238	C17H34	054105-66-7	64





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Data File : VU051143.D
Acq On : 05 Oct 2022 22:18
Operator : JC/MD
Sample : N4889-02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 33 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
EXZ60

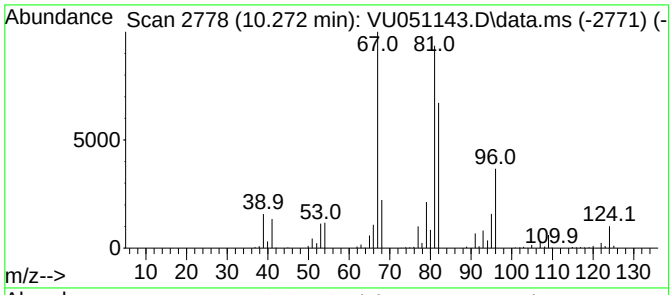
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092922WMA.M
Quant Title : VOC Analysis

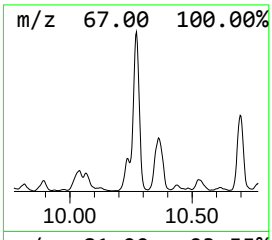
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

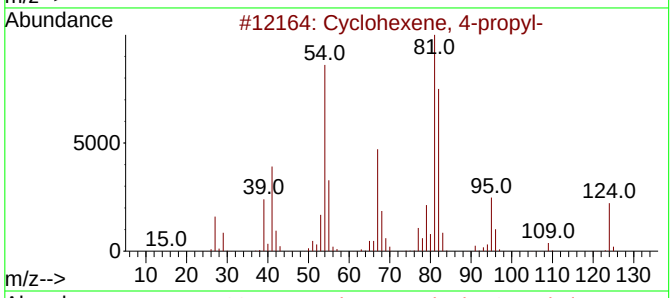
****
Peak Number 28 Cyclohexene, 4-propyl- Concentration Rank 11

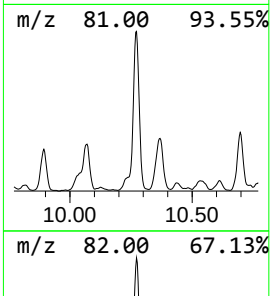
R.T.	EstConc	Area	Relative to ISTD	R.T.
10.272	18.15 ug/L	432625	Chlorobenzene-d5	9.417

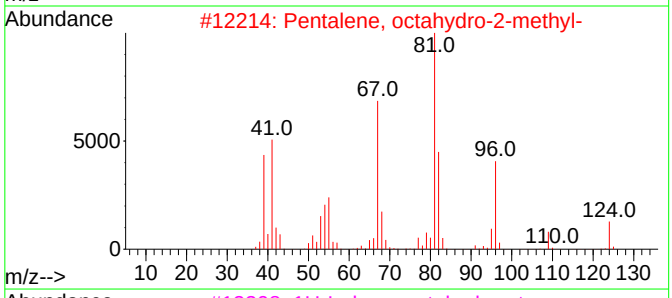
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexene, 4-propyl-	124	C9H16	013487-64-4	52
2	Pentalene, octahydro-2-methyl-	124	C9H16	003868-64-2	52
3	1H-Indene, octahydro-, trans-	124	C9H16	003296-50-2	50
4	Cyclohexene,3-propyl-	124	C9H16	003983-06-0	49
5	3,3-Tetramethyleneglutaric anhyd...	168	C9H12O3	005662-95-3	47

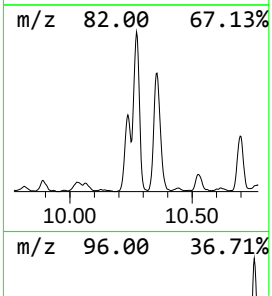


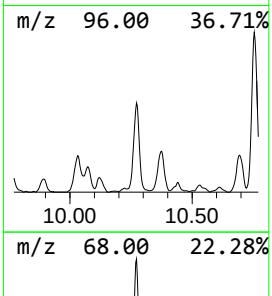


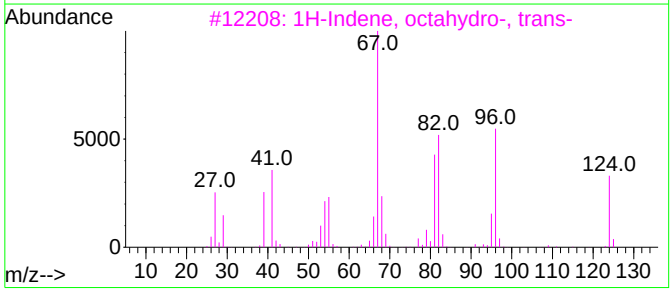


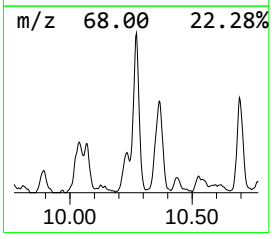












Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100522\
Data File : VU051143.D
Acq On : 05 Oct 2022 22:18
Operator : JC/MD
Sample : N4889-02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 33 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
EXZ60

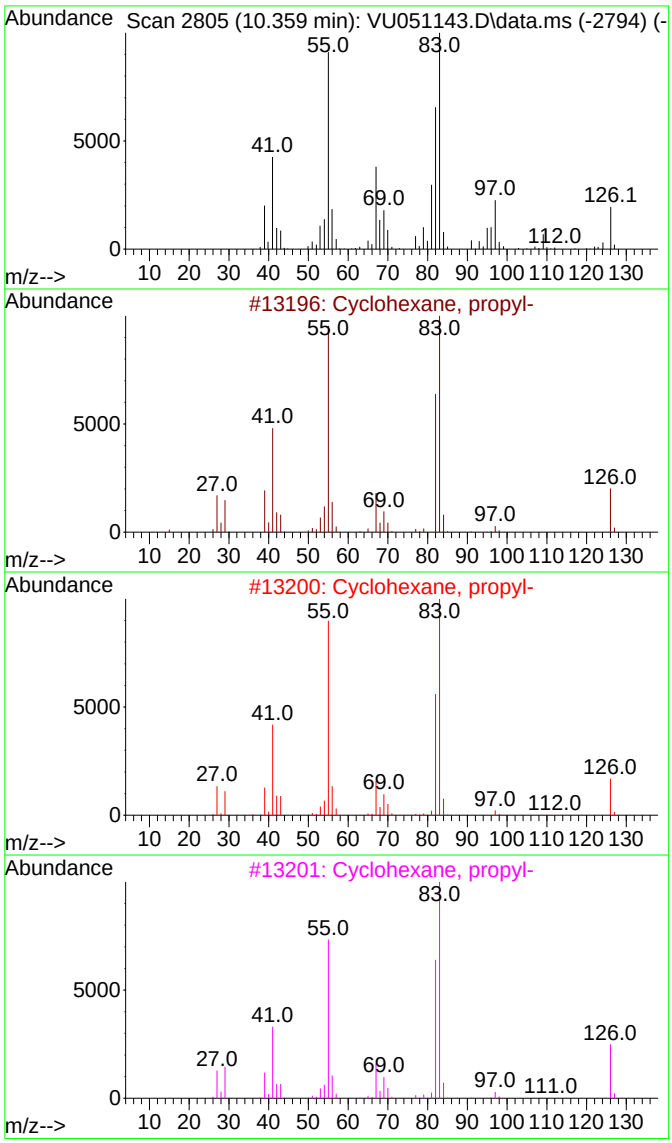
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092922WMA.M
Quant Title : VOC Analysis

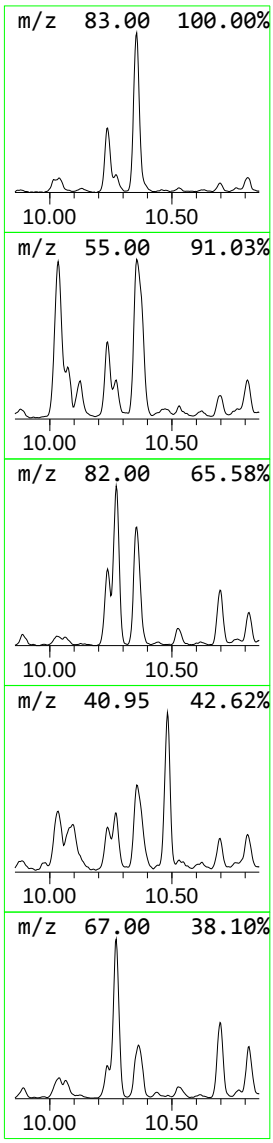
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 29 (DEL) Alkane: Cyclic10.359 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.359	25.48 ug/L	607495	Chlorobenzene-d5	9.417

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, propyl-	126	C9H18	001678-92-8	70
2	Cyclohexane, propyl-	126	C9H18	001678-92-8	62
3	Cyclohexane, propyl-	126	C9H18	001678-92-8	62
4	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	59
5	(Z)-Non-3-enyl (E)-2-methylbut-2...	224	C14H24O2	1000373-73-1	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100522\
Data File : VU051143.D
Acq On : 05 Oct 2022 22:18
Operator : JC/MD
Sample : N4889-02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 33 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
EXZ60

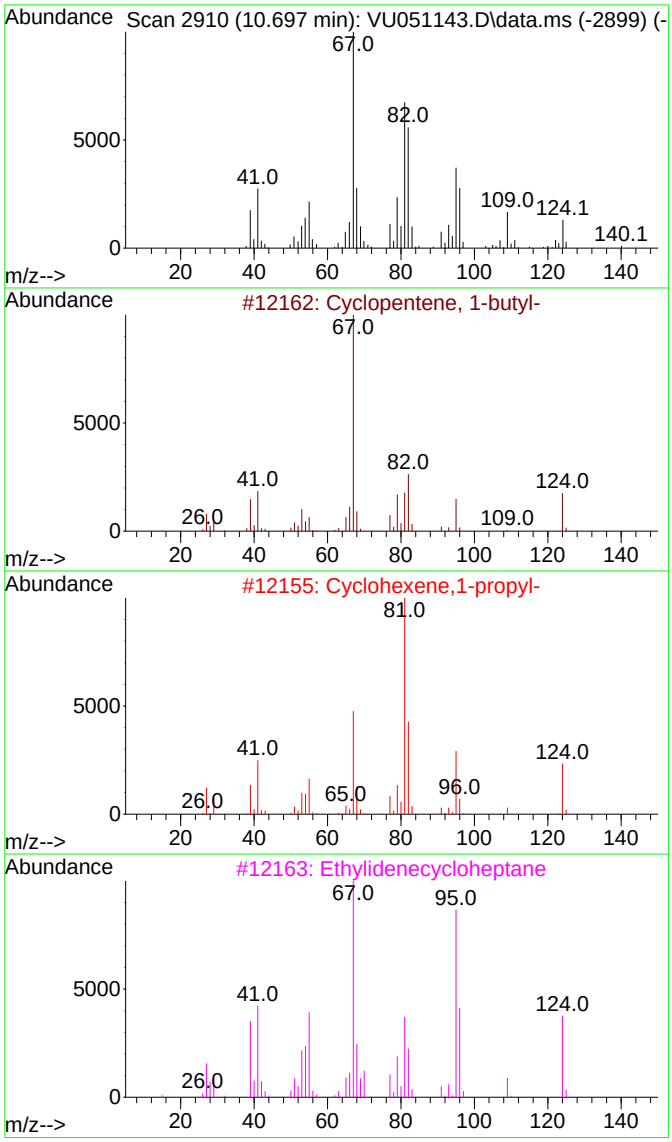
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092922WMA.M
Quant Title : VOC Analysis

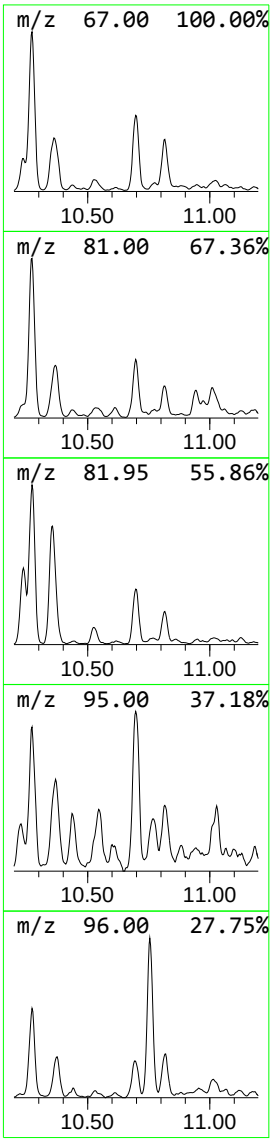
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 30 Cyclopentene, 1-butyl- Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.697	3.08 ug/L	241565	1,4-Dichlorobenzene-d4	11.809

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentene, 1-butyl-	124	C9H16	002423-01-0	74
2	Cyclohexene,1-propyl-	124	C9H16	002539-75-5	72
3	Ethylidenecycloheptane	124	C9H16	010494-87-8	59
4	3-Octyne, 2-methyl-	124	C9H16	055402-15-8	58
5	Cyclohexane, 1-propenyl-	124	C9H16	005364-83-0	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100522\
Data File : VU051143.D
Acq On : 05 Oct 2022 22:18
Operator : JC/MD
Sample : N4889-02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 33 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
EXZ60

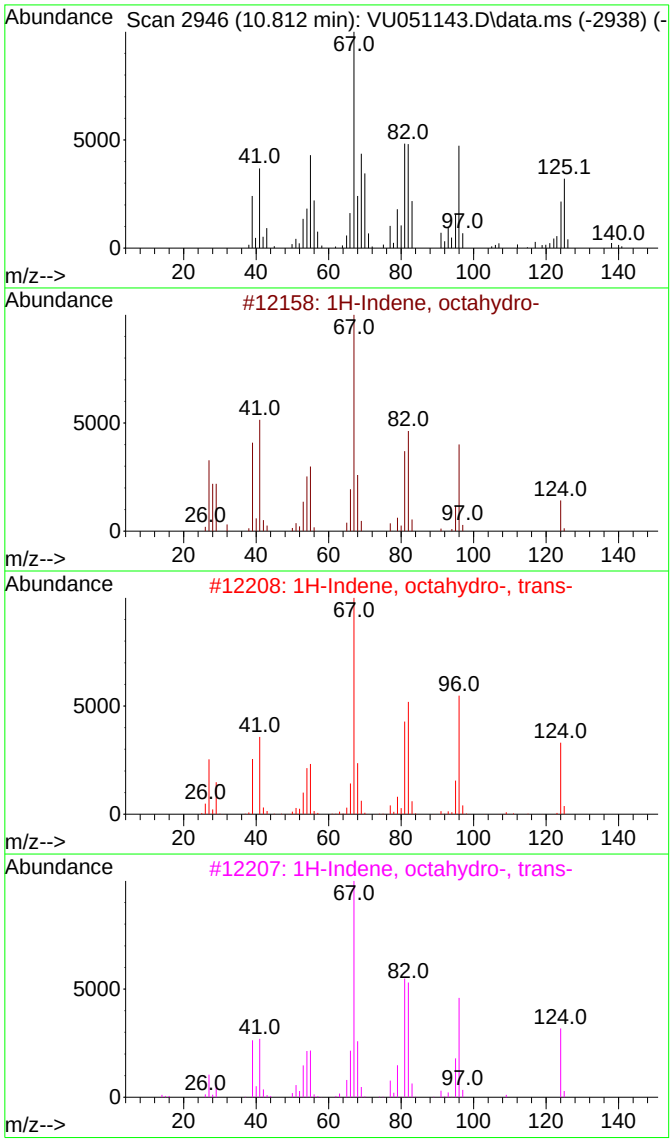
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092922WMA.M
Quant Title : VOC Analysis

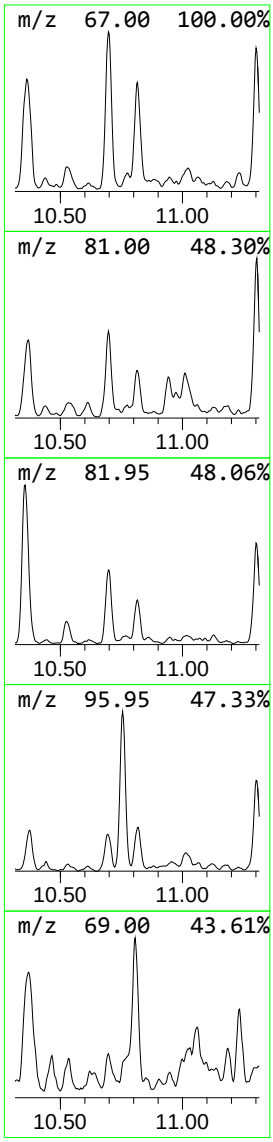
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 31 1H-Indene, octahydro- Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.813	2.85 ug/L	223440	1,4-Dichlorobenzene-d4	11.809

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, octahydro-	124	C9H16	000496-10-6	93
2	1H-Indene, octahydro-, trans-	124	C9H16	003296-50-2	93
3	1H-Indene, octahydro-, trans-	124	C9H16	003296-50-2	64
4	1H-Indene, octahydro-, trans-	124	C9H16	003296-50-2	46
5	2-Ethylidenecyclohexanone	124	C8H12O	001122-24-3	45





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100522\
Data File : VU051143.D
Acq On : 05 Oct 2022 22:18
Operator : JC/MD
Sample : N4889-02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 33 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
EXZ60

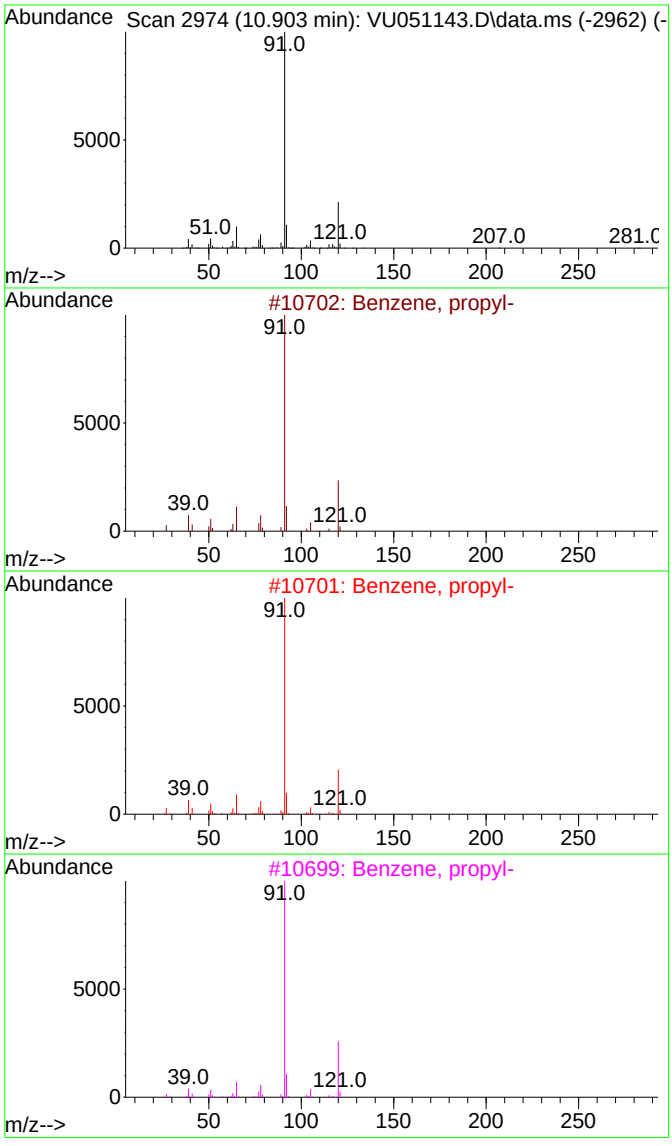
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092922WMA.M
Quant Title : VOC Analysis

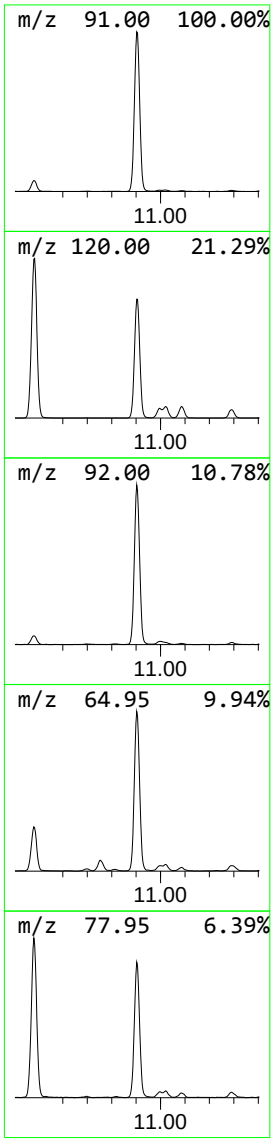
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 32 Benzene, propyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.903	49.73 ug/L	3903800	1,4-Dichlorobenzene-d4	11.809

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, propyl-	120	C9H12	000103-65-1	94
2	Benzene, propyl-	120	C9H12	000103-65-1	90
3	Benzene, propyl-	120	C9H12	000103-65-1	90
4	Phenethylamine, N-benzyl-p-chloro-	245	C15H16ClN	013622-43-0	64
5	N-Isobutyl(phenyl)methanesulfona...	227	C11H17NO2S	144615-94-1	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100522\
Data File : VU051143.D
Acq On : 05 Oct 2022 22:18
Operator : JC/MD
Sample : N4889-02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 33 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
EXZ60

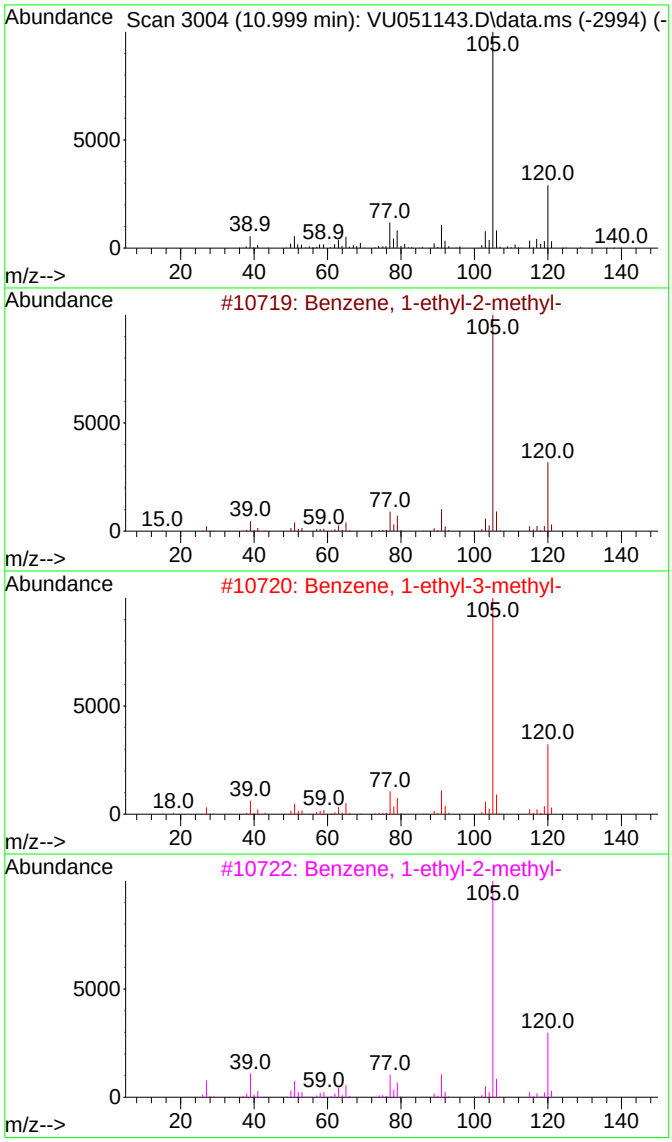
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092922WMA.M
Quant Title : VOC Analysis

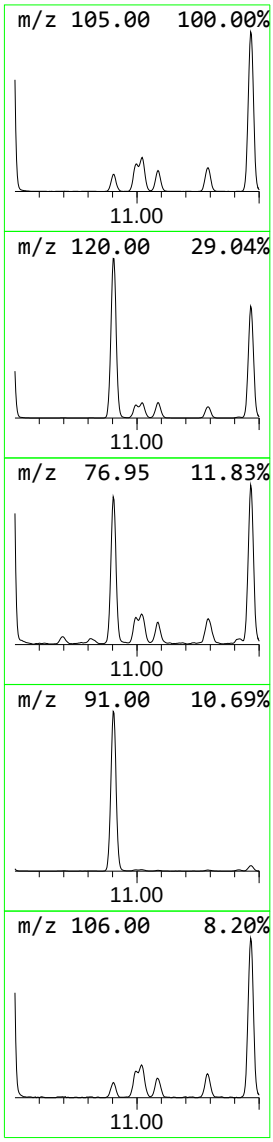
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 33 Benzene, 1-ethyl-2-methyl- Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.999	3.18 ug/L	249290	1,4-Dichlorobenzene-d4	11.809

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
2	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	95
3	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94
5	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100522\
Data File : VU051143.D
Acq On : 05 Oct 2022 22:18
Operator : JC/MD
Sample : N4889-02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 33 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
EXZ60

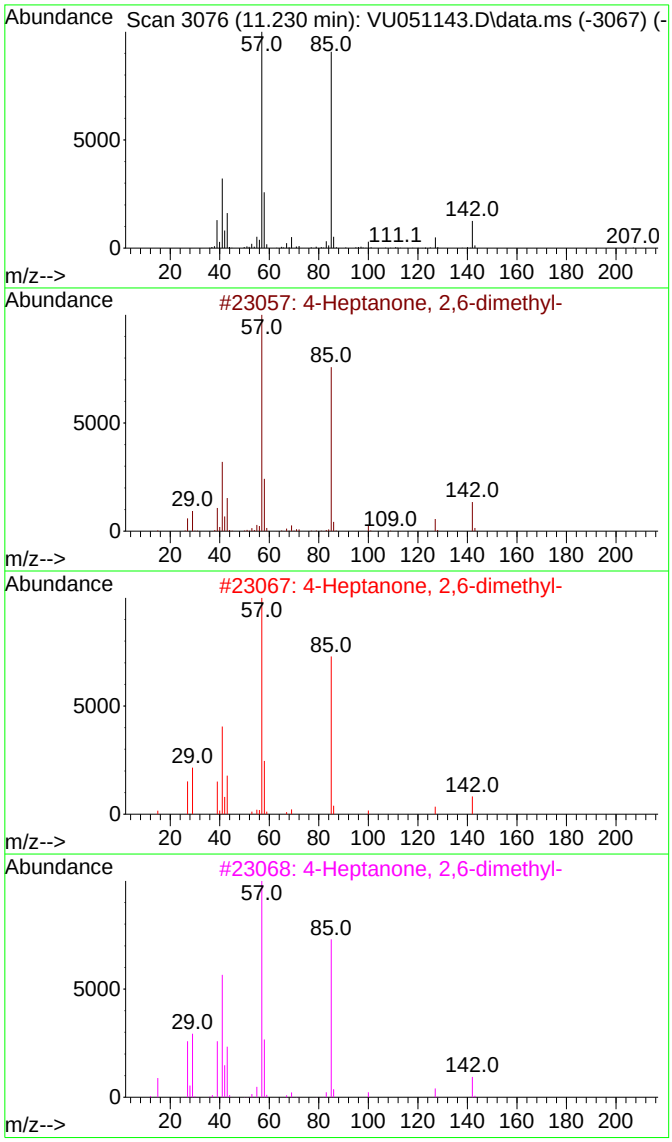
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092922WMA.M
Quant Title : VOC Analysis

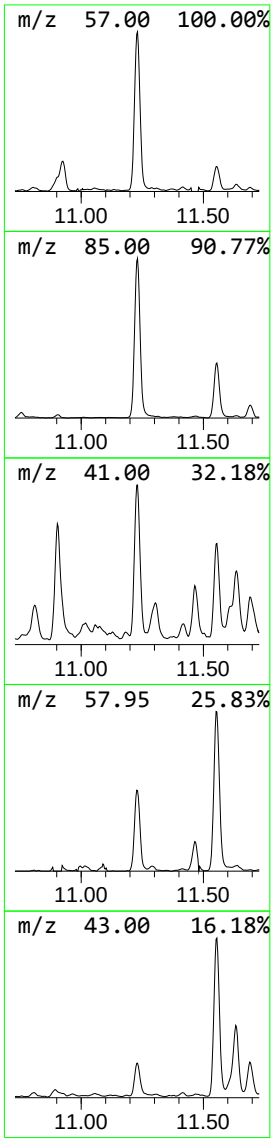
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 34 4-Heptanone, 2,6-dimethyl- Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.230	6.46 ug/L	507069	1,4-Dichlorobenzene-d4	11.809

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Heptanone, 2,6-dimethyl-	142	C9H18O	000108-83-8	91
2	4-Heptanone, 2,6-dimethyl-	142	C9H18O	000108-83-8	91
3	4-Heptanone, 2,6-dimethyl-	142	C9H18O	000108-83-8	91
4	4-Octanone, 2-methyl-	142	C9H18O	007492-38-8	64
5	4-Octanone, 2-methyl-	142	C9H18O	007492-38-8	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100522\
Data File : VU051143.D
Acq On : 05 Oct 2022 22:18
Operator : JC/MD
Sample : N4889-02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 33 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
EXZ60

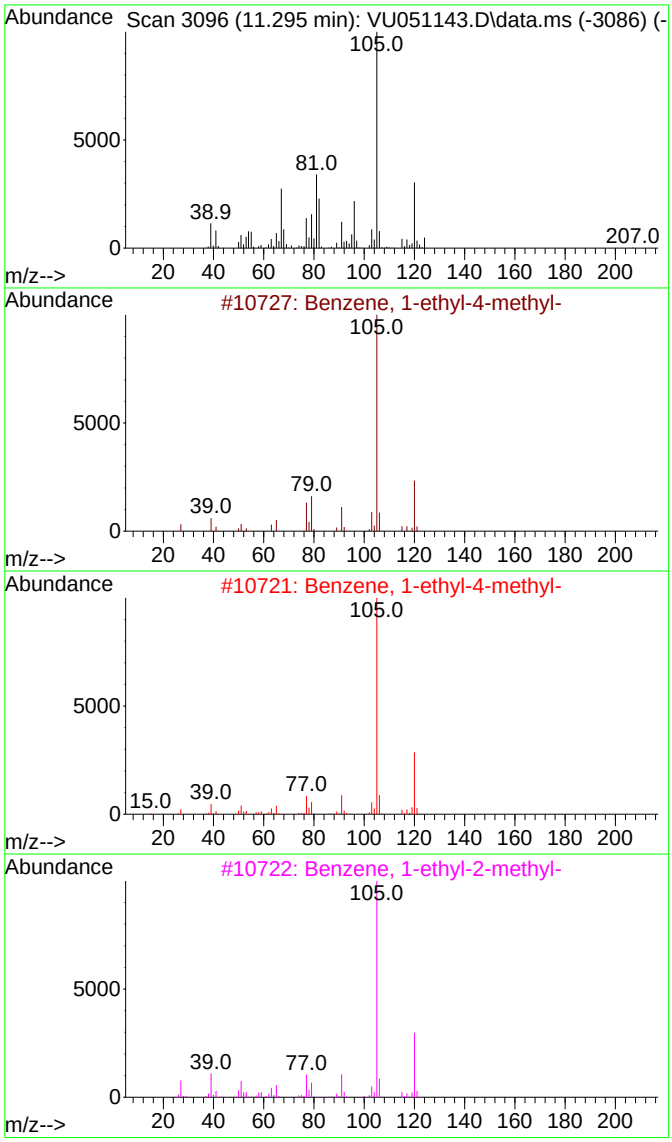
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092922WMA.M
Quant Title : VOC Analysis

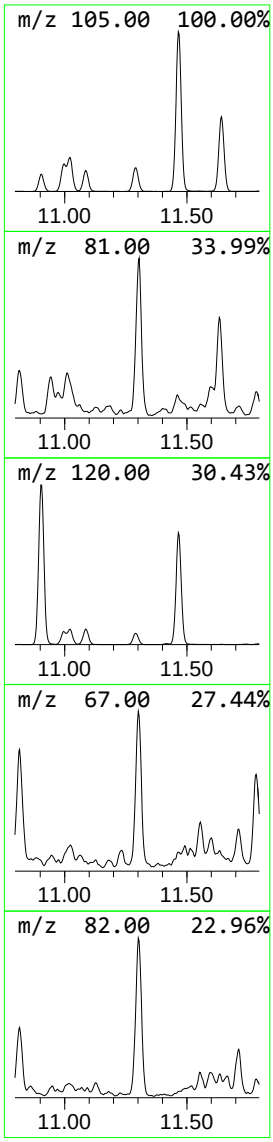
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 35 Benzene, 1-ethyl-4-methyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.295	6.86 ug/L	538376	1,4-Dichlorobenzene-d4	11.809

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	86
2	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	46
3	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	46
4	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	46
5	Mesitylene	120	C9H12	000108-67-8	46





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100522\
Data File : VU051143.D
Acq On : 05 Oct 2022 22:18
Operator : JC/MD
Sample : N4889-02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 33 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
EXZ60

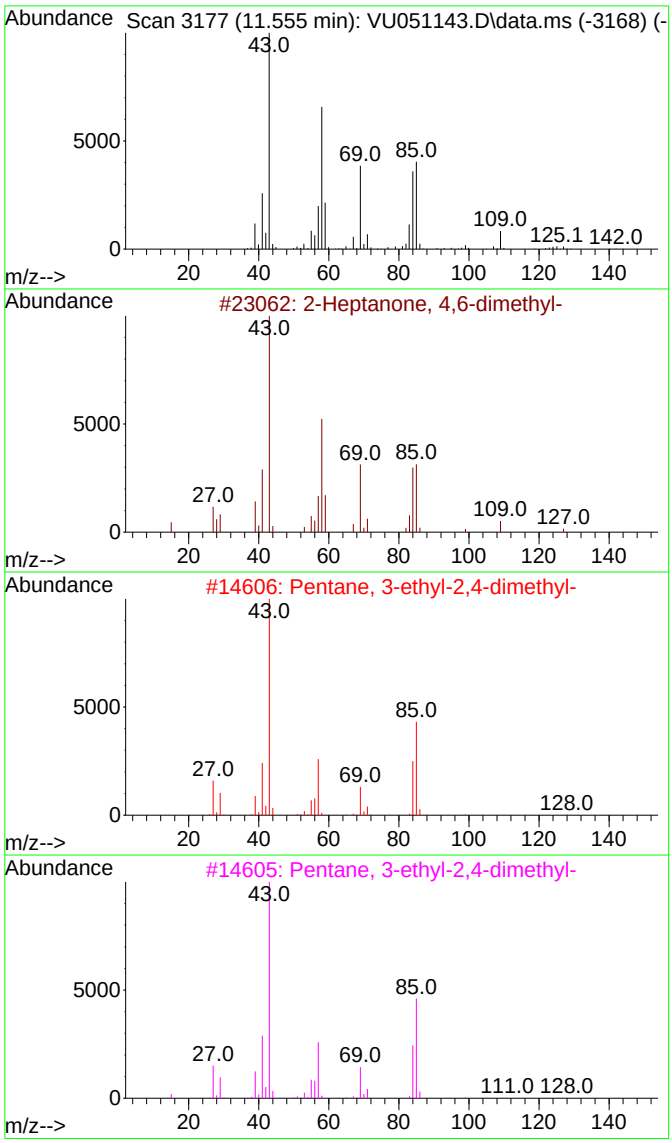
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092922WMA.M
Quant Title : VOC Analysis

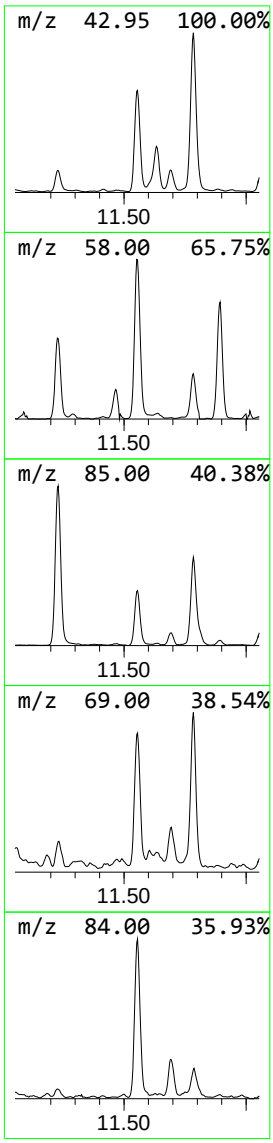
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 36 2-Heptanone, 4,6-dimethyl- Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.555	6.09 ug/L	477960	1,4-Dichlorobenzene-d4	11.809

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Heptanone, 4,6-dimethyl-	142	C9H18O	019549-80-5	90
2	Pentane, 3-ethyl-2,4-dimethyl-	128	C9H20	001068-87-7	43
3	Pentane, 3-ethyl-2,4-dimethyl-	128	C9H20	001068-87-7	38
4	2-Hexanone, 4-methyl-	114	C7H14O	000105-42-0	38
5	2-Pentanone, 5,5'-oxybis-	186	C10H18O3	093677-66-8	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100522\
Data File : VU051143.D
Acq On : 05 Oct 2022 22:18
Operator : JC/MD
Sample : N4889-02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 33 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
EXZ60

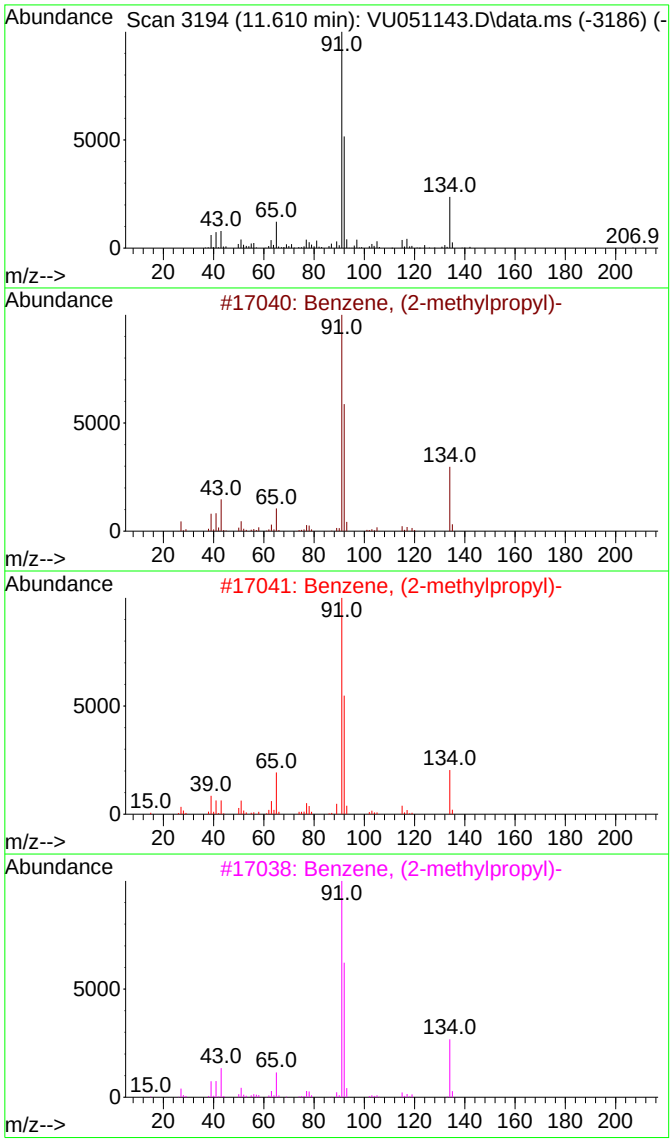
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092922WMA.M
Quant Title : VOC Analysis

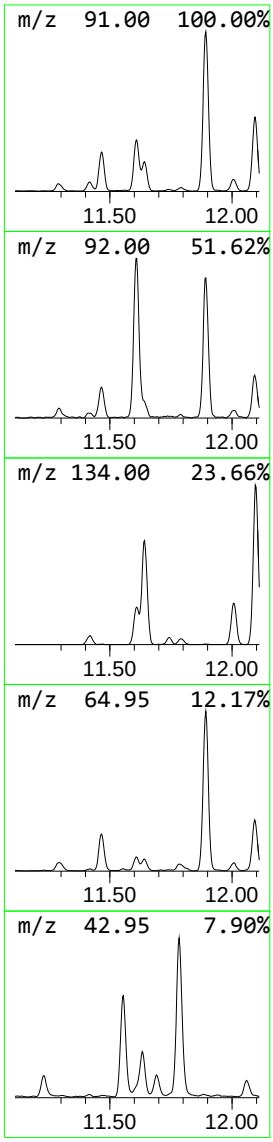
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 37 Benzene, (2-methylpropyl)- Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.610	3.12 ug/L	245022	1,4-Dichlorobenzene-d4	11.809

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (2-methylpropyl)-	134	C10H14	000538-93-2	87
2	Benzene, (2-methylpropyl)-	134	C10H14	000538-93-2	87
3	Benzene, (2-methylpropyl)-	134	C10H14	000538-93-2	87
4	Benzene, (2-methylpropyl)-	134	C10H14	000538-93-2	83
5	Benzene, n-butyl-	134	C10H14	000104-51-8	80





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100522\
Data File : VU051143.D
Acq On : 05 Oct 2022 22:18
Operator : JC/MD
Sample : N4889-02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 33 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
EXZ60

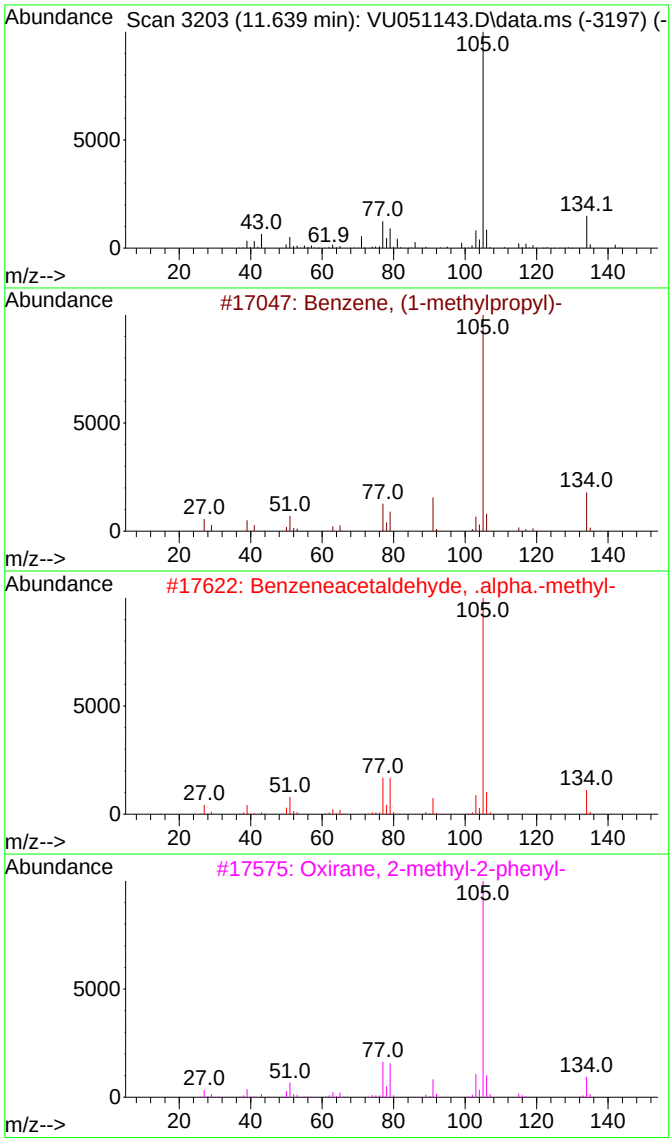
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092922WMA.M
Quant Title : VOC Analysis

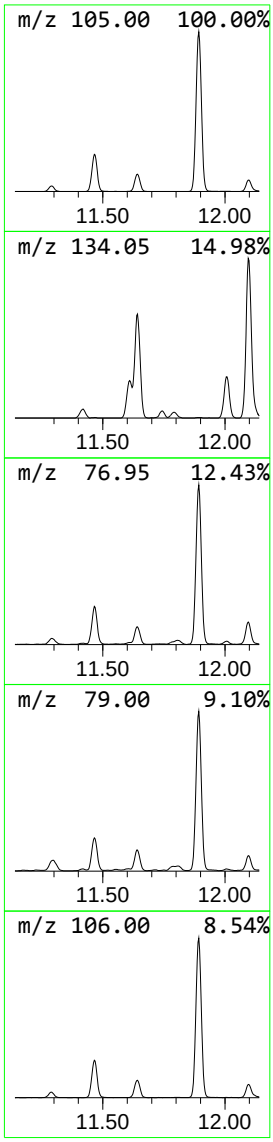
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 38 Benzene, (1-methylpropyl)- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.639	11.01 ug/L	864295	1,4-Dichlorobenzene-d4	11.809

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	91
2	Benzeneacetaldehyde, .alpha.-met...	134	C9H10O	000093-53-8	90
3	Oxirane, 2-methyl-2-phenyl-	134	C9H10O	002085-88-3	87
4	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	86
5	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	80





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100522\
Data File : VU051143.D
Acq On : 05 Oct 2022 22:18
Operator : JC/MD
Sample : N4889-02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 33 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
EXZ60

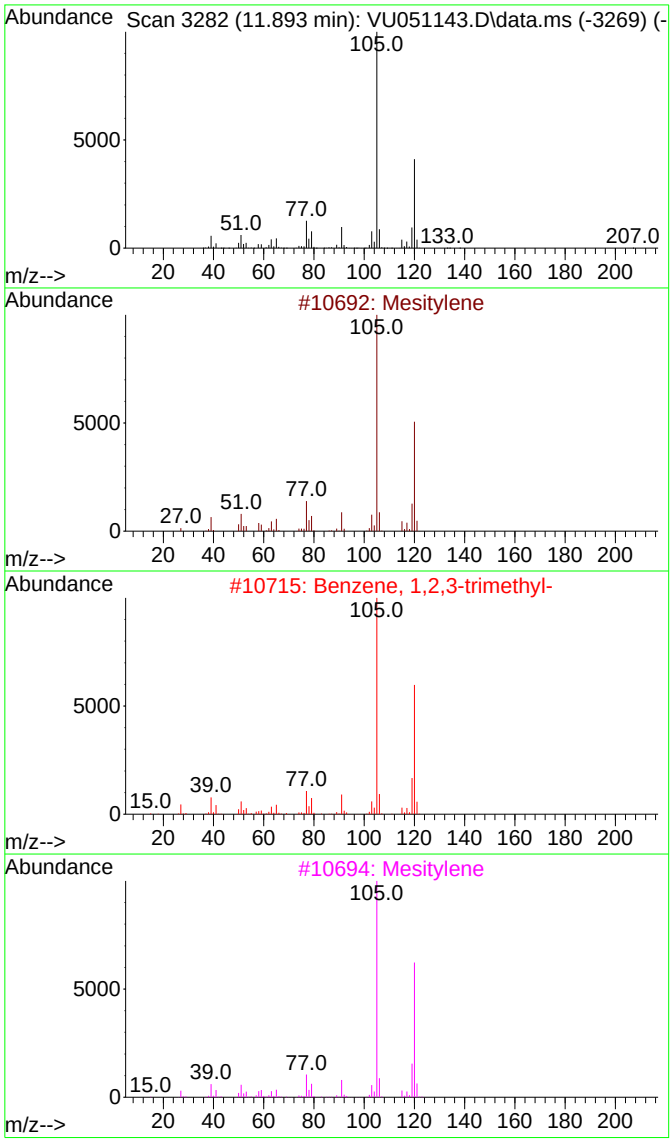
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092922WMA.M
Quant Title : VOC Analysis

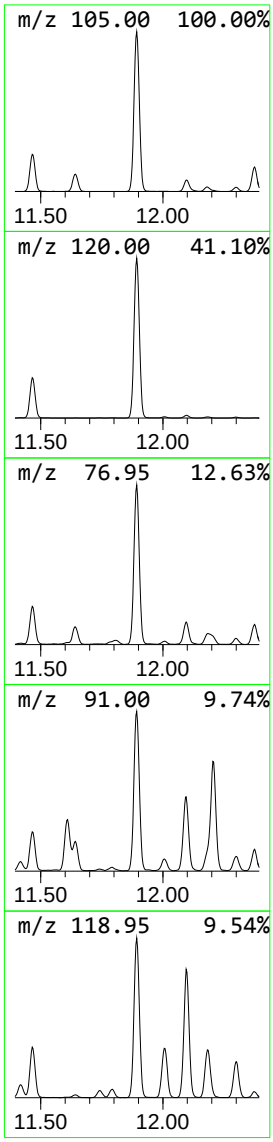
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 39 Benzene, 1,2,3-trimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.893	94.83 ug/L	7444350	1,4-Dichlorobenzene-d4	11.809

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	Mesitylene	120	C9H12	000108-67-8	94
4	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	94
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100522\
Data File : VU051143.D
Acq On : 05 Oct 2022 22:18
Operator : JC/MD
Sample : N4889-02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 33 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
EXZ60

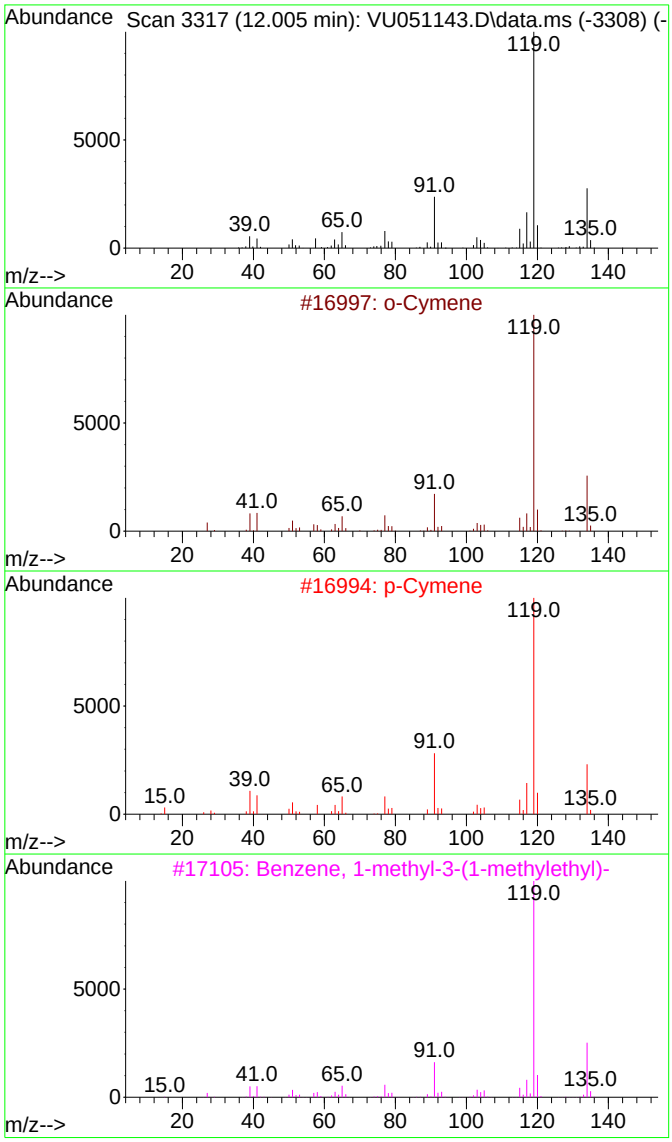
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092922WMA.M
Quant Title : VOC Analysis

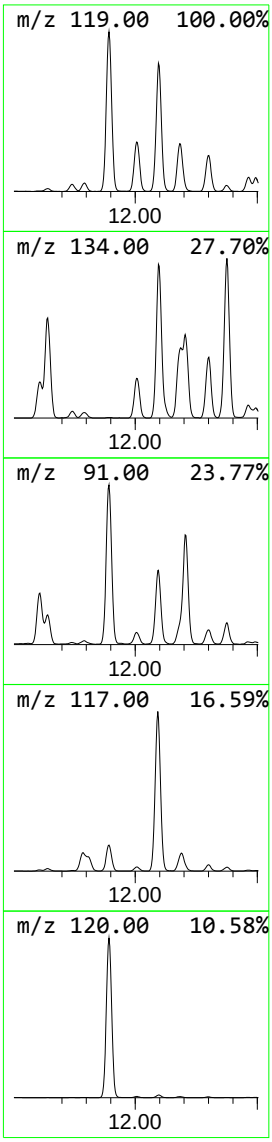
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 40 o-Cymene Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.005	2.75 ug/L	215985	1,4-Dichlorobenzene-d4	11.809

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	97
2	p-Cymene	134	C10H14	000099-87-6	95
3	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95
4	p-Cymene	134	C10H14	000099-87-6	95
5	o-Cymene	134	C10H14	000527-84-4	95





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100522\
Data File : VU051143.D
Acq On : 05 Oct 2022 22:18
Operator : JC/MD
Sample : N4889-02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 33 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
EXZ60

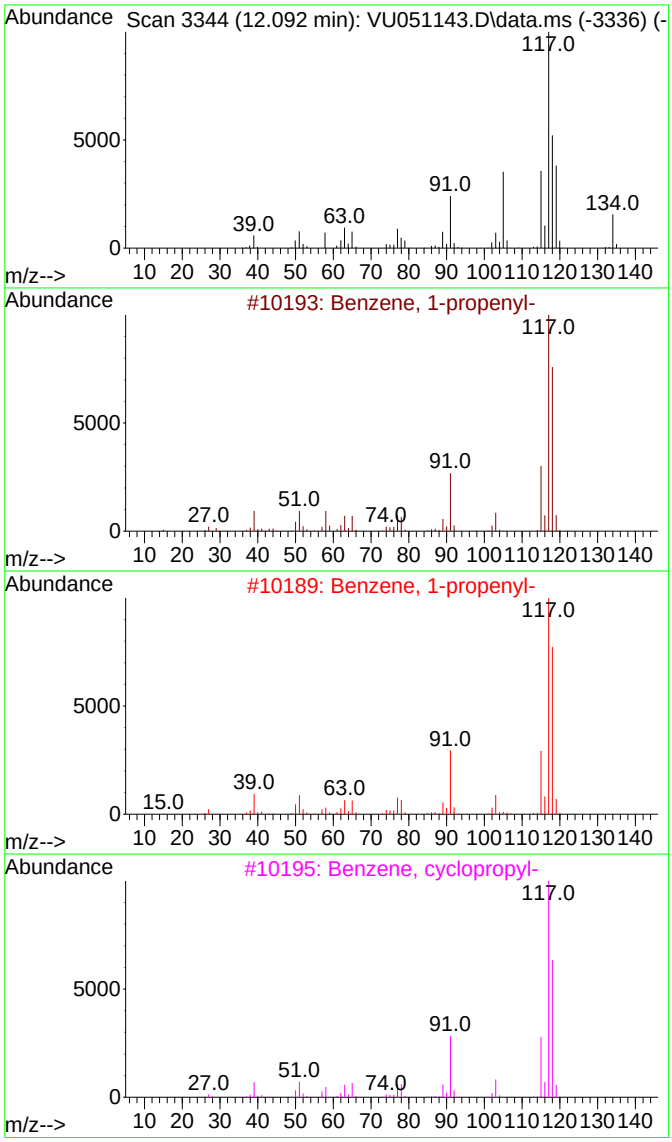
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092922WMA.M
Quant Title : VOC Analysis

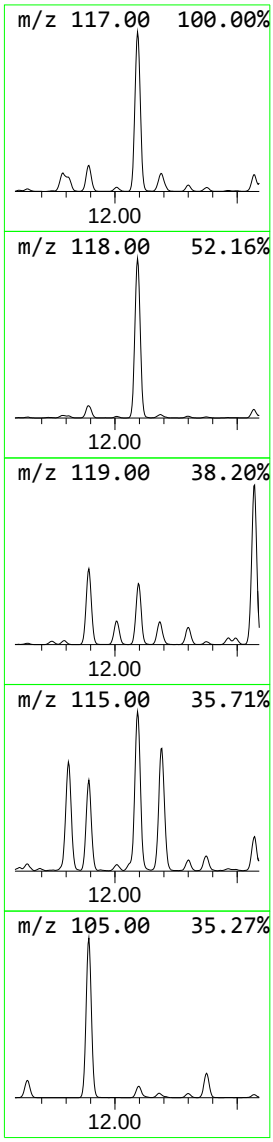
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 41 Benzene, 1-propenyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.092	30.98 ug/L	2432120	1,4-Dichlorobenzene-d4	11.809

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-propenyl-	118	C9H10	000637-50-3	91
2	Benzene, 1-propenyl-	118	C9H10	000637-50-3	90
3	Benzene, cyclopropyl-	118	C9H10	000873-49-4	60
4	Benzene, 2-propenyl-	118	C9H10	000300-57-2	60
5	Indane	118	C9H10	000496-11-7	60





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100522\
Data File : VU051143.D
Acq On : 05 Oct 2022 22:18
Operator : JC/MD
Sample : N4889-02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 33 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
EXZ60

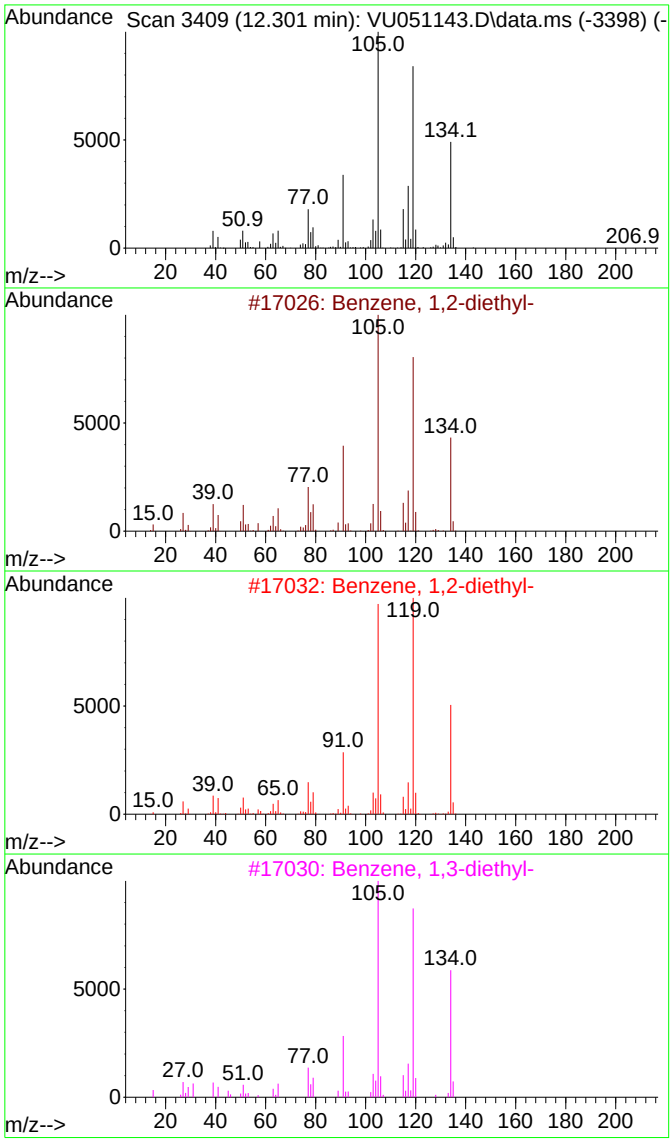
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092922WMA.M
Quant Title : VOC Analysis

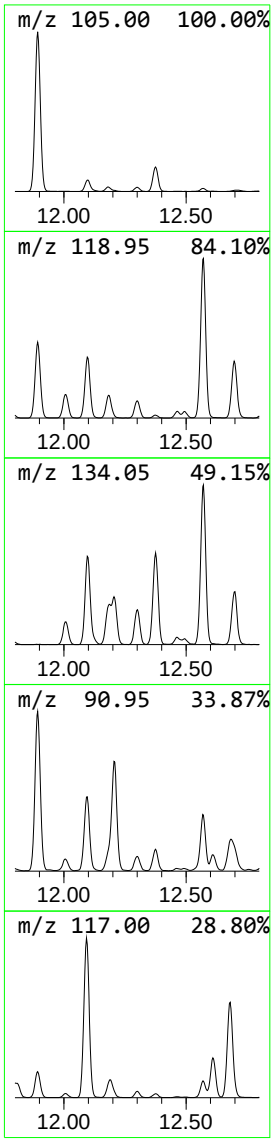
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 42 Benzene, 1,2-diethyl- Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.301	4.66 ug/L	366007	1,4-Dichlorobenzene-d4	11.809

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	96
2	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	94
3	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	90
4	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	90
5	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	87





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100522\
Data File : VU051143.D
Acq On : 05 Oct 2022 22:18
Operator : JC/MD
Sample : N4889-02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 33 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
EXZ60

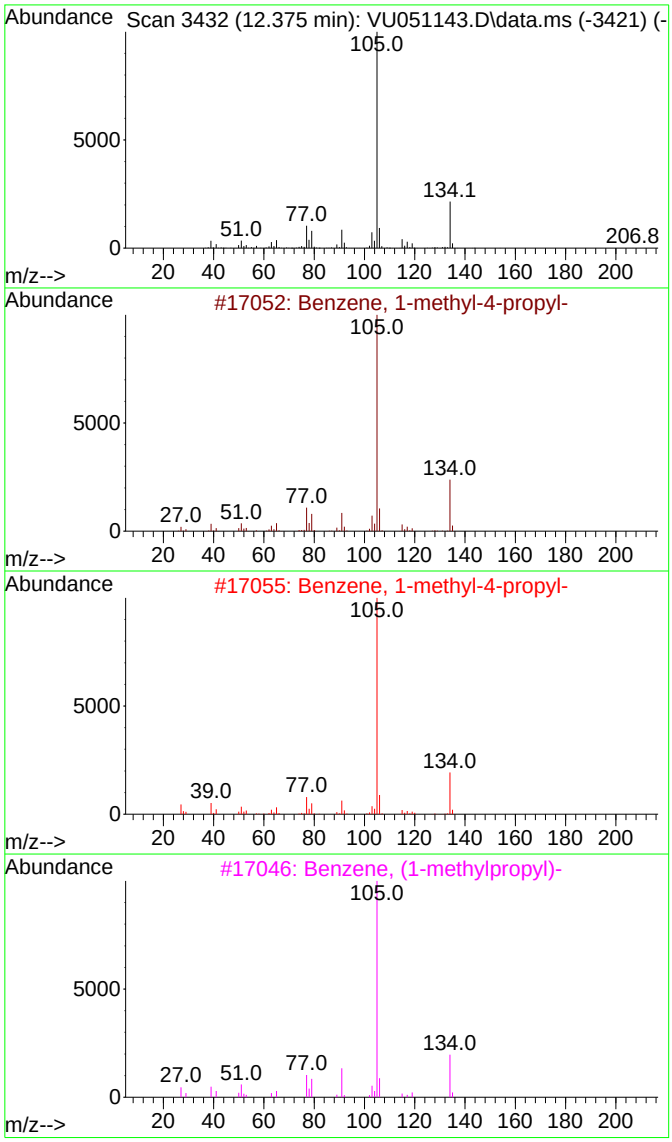
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092922WMA.M
Quant Title : VOC Analysis

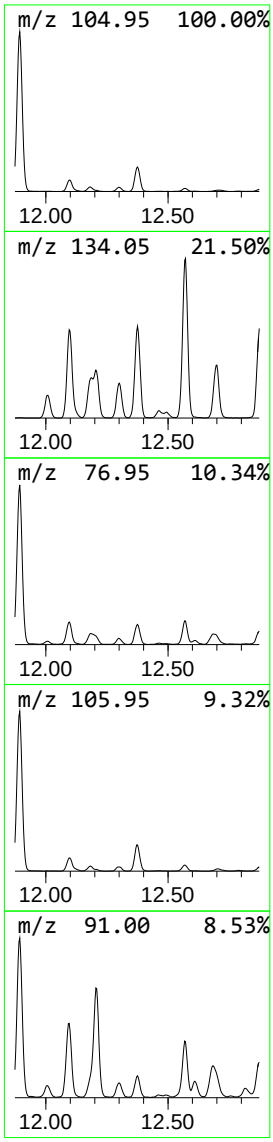
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 43 Benzene, 1-methyl-4-propyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.375	12.42 ug/L	974740	1,4-Dichlorobenzene-d4	11.809

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	94
2	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	90
3	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	90
4	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	90
5	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	90





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100522\
Data File : VU051143.D
Acq On : 05 Oct 2022 22:18
Operator : JC/MD
Sample : N4889-02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 33 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
EXZ60

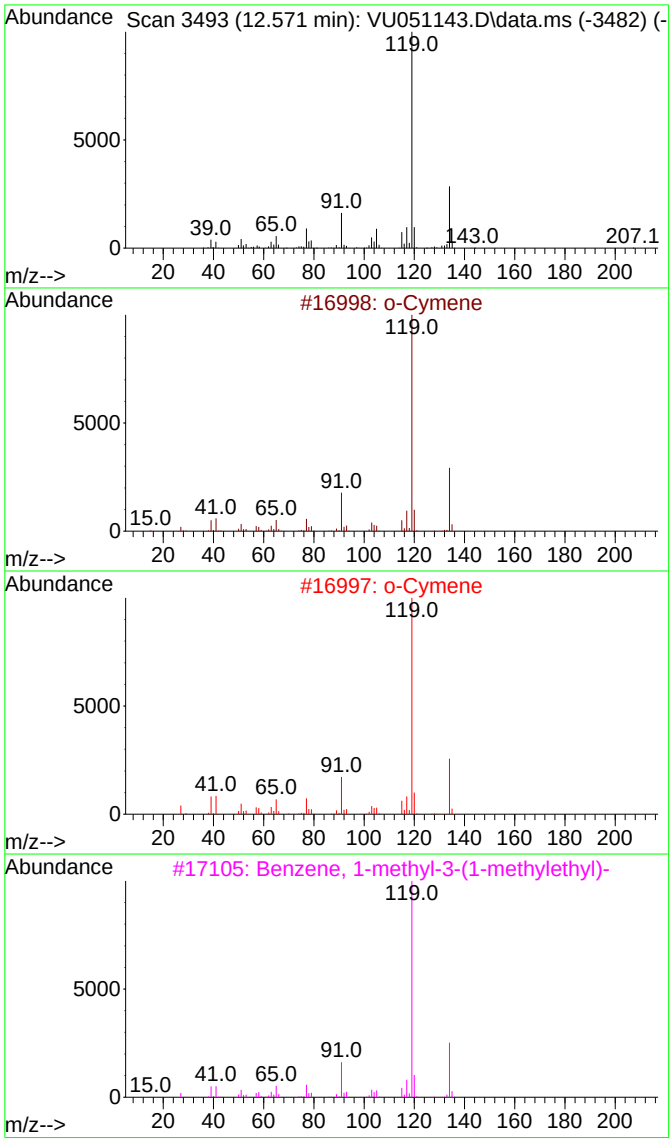
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092922WMA.M
Quant Title : VOC Analysis

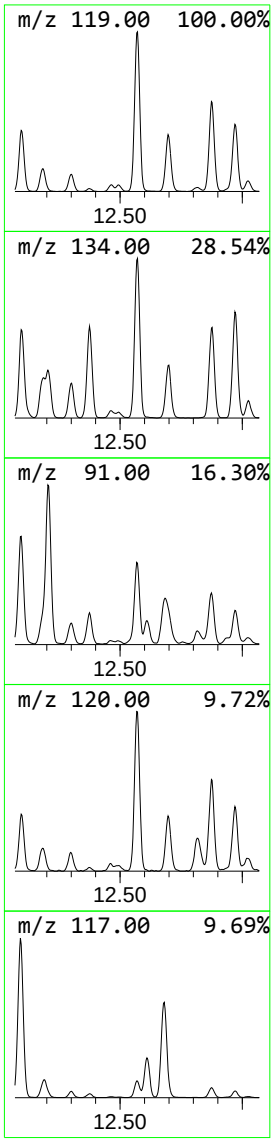
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 44 Benzene, 1-methyl-3-(1-meth... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.571	18.48 ug/L	1450820	1,4-Dichlorobenzene-d4	11.809

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	97
2	o-Cymene	134	C10H14	000527-84-4	97
3	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95
4	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95
5	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	95





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100522\
Data File : VU051143.D
Acq On : 05 Oct 2022 22:18
Operator : JC/MD
Sample : N4889-02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 33 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
EXZ60

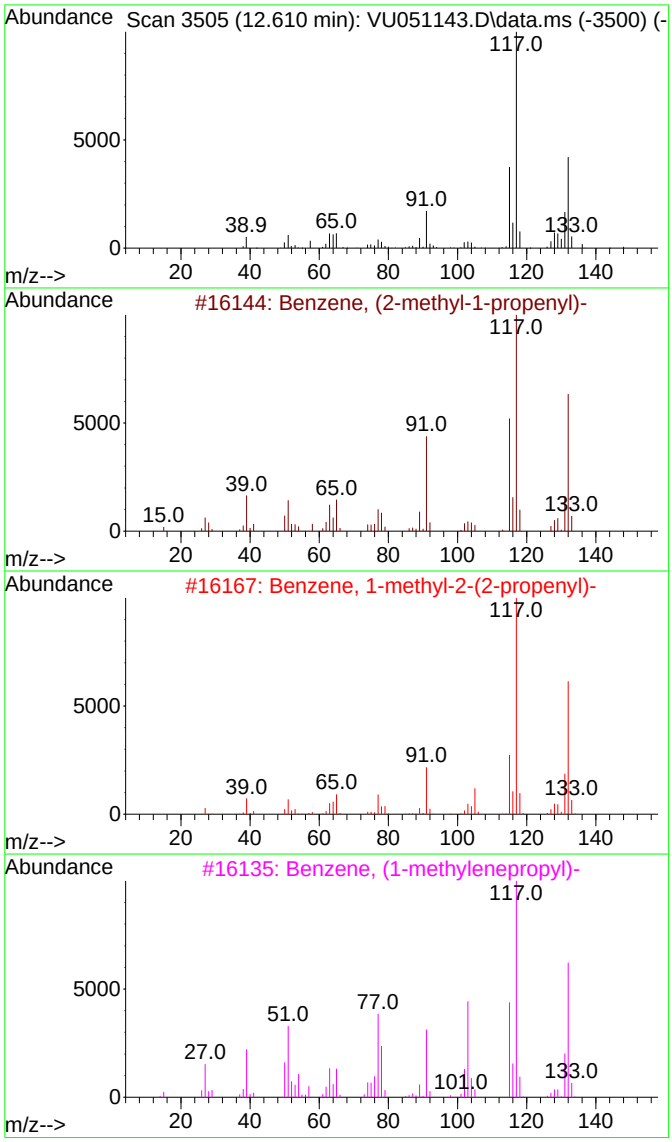
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092922WMA.M
Quant Title : VOC Analysis

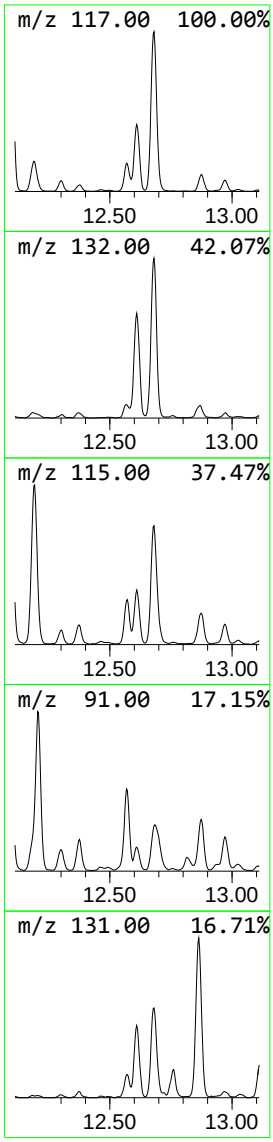
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 45 Benzene, (2-methyl-1-propen... Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.610	5.86 ug/L	459930	1,4-Dichlorobenzene-d4	11.809

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	94
2	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	90
3	Benzene, (1-methylenepropyl)-	132	C10H12	002039-93-2	90
4	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	87
5	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	87





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100522\
Data File : VU051143.D
Acq On : 05 Oct 2022 22:18
Operator : JC/MD
Sample : N4889-02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 33 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
EXZ60

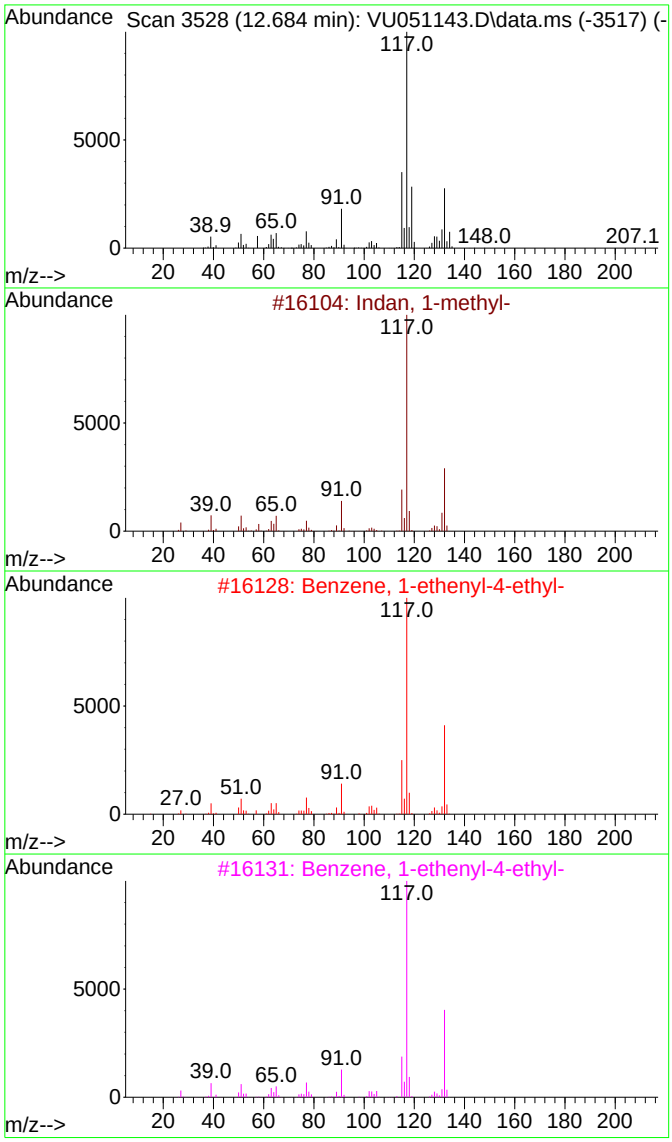
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092922WMA.M
Quant Title : VOC Analysis

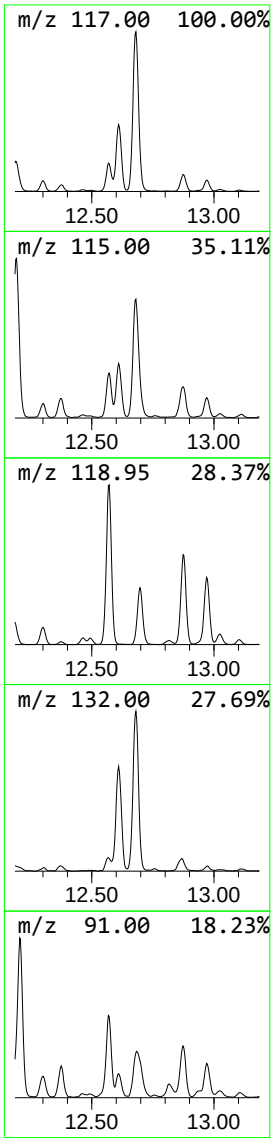
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 46 Indan, 1-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.684	18.69 ug/L	1467370	1,4-Dichlorobenzene-d4	11.809

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indan, 1-methyl-	132	C10H12	000767-58-8	93
2	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	76
3	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	76
4	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	74
5	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	74





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100522\
Data File : VU051143.D
Acq On : 05 Oct 2022 22:18
Operator : JC/MD
Sample : N4889-02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 33 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
EXZ60

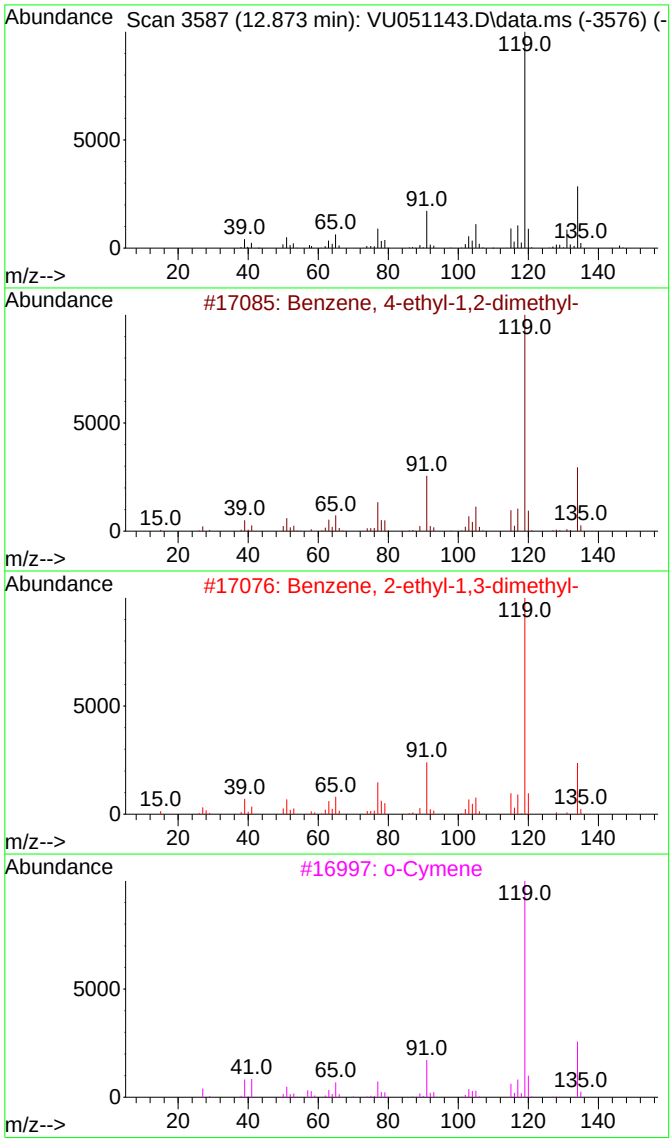
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092922WMA.M
Quant Title : VOC Analysis

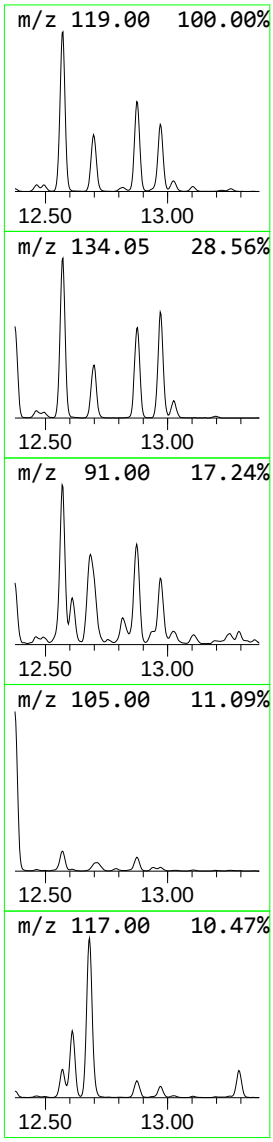
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 47 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.874	12.59 ug/L	988565	1,4-Dichlorobenzene-d4	11.809

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	96
2	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	95
3	o-Cymene	134	C10H14	000527-84-4	95
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95
5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100522\
Data File : VU051143.D
Acq On : 05 Oct 2022 22:18
Operator : JC/MD
Sample : N4889-02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 33 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
EXZ60

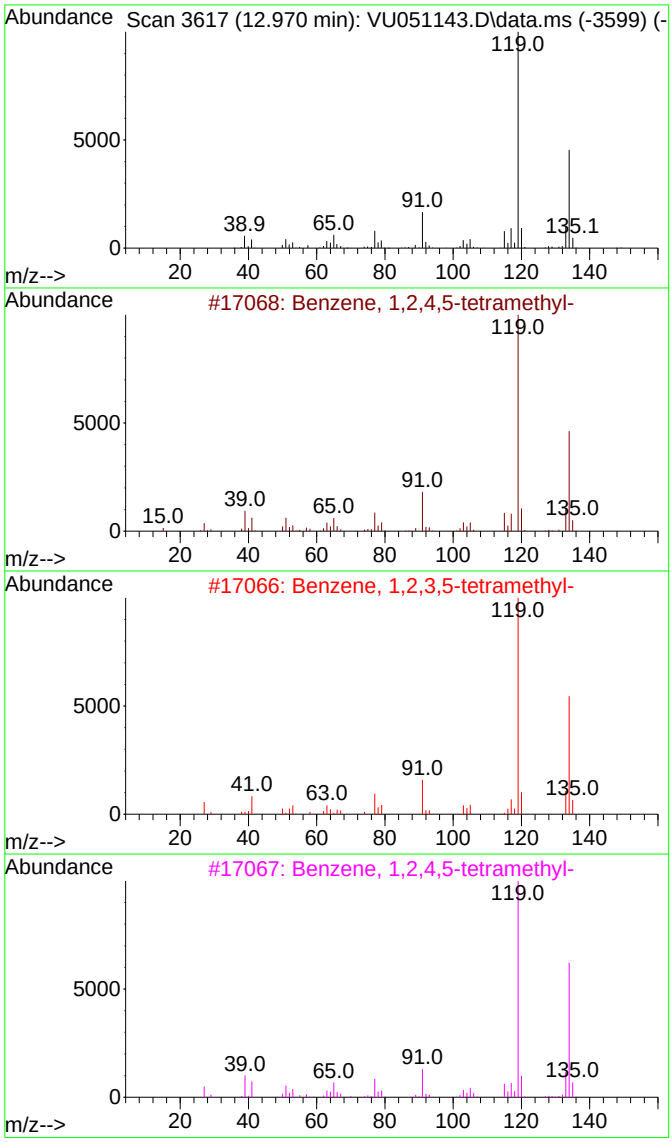
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092922WMA.M
Quant Title : VOC Analysis

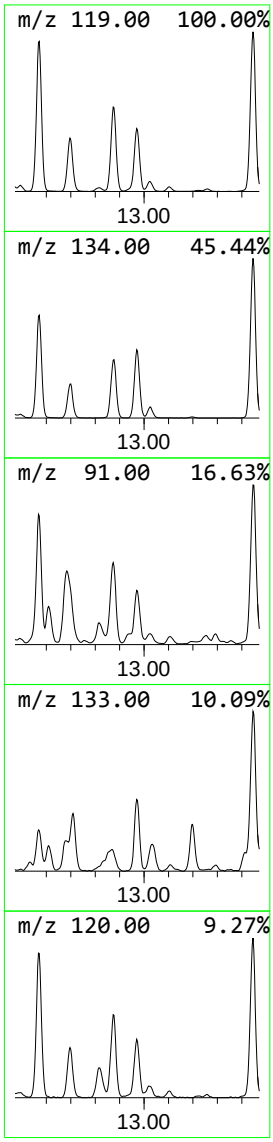
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 48 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.970	9.35 ug/L	733740	1,4-Dichlorobenzene-d4	11.809

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	97
2	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	97
3	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95
4	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95
5	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	94





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100522\
Data File : VU051143.D
Acq On : 05 Oct 2022 22:18
Operator : JC/MD
Sample : N4889-02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 33 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
EXZ60

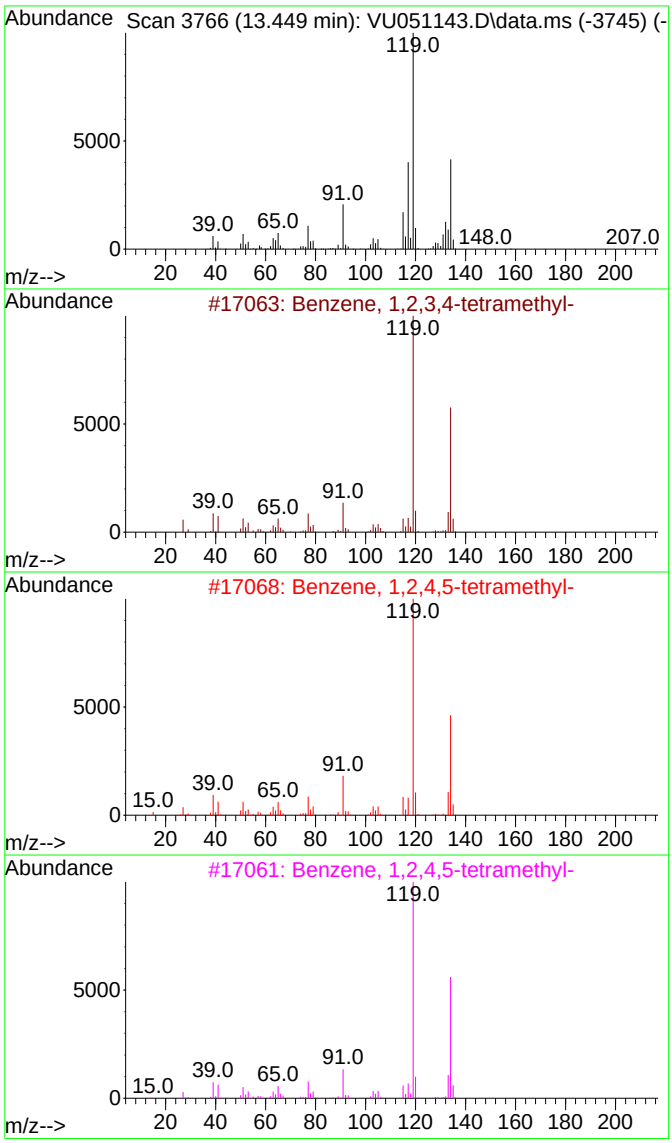
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092922WMA.M
Quant Title : VOC Analysis

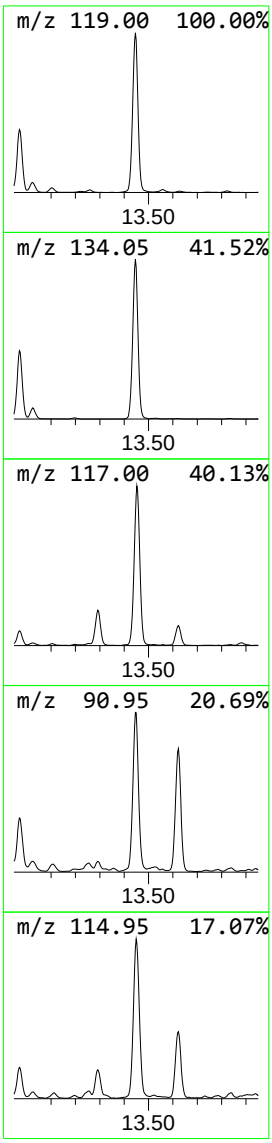
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 49 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.449	30.11 ug/L	2363340	1,4-Dichlorobenzene-d4	11.809

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	76
2	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	70
3	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	70
4	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	70
5	p-Cymene	134	C10H14	000099-87-6	70





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100522\
Data File : VU051143.D
Acq On : 05 Oct 2022 22:18
Operator : JC/MD
Sample : N4889-02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 33 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
EXZ60

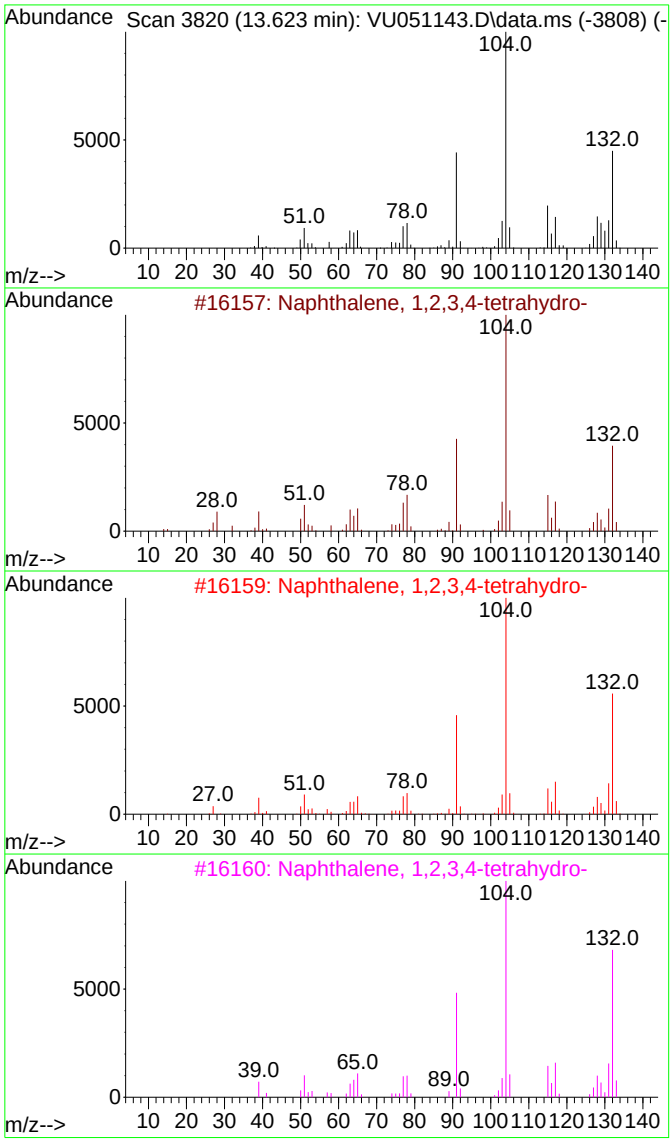
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092922WMA.M
Quant Title : VOC Analysis

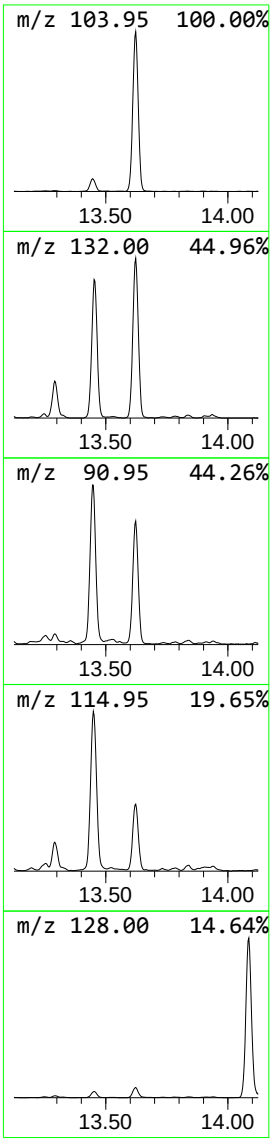
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 50 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.623	11.49 ug/L	902053	1,4-Dichlorobenzene-d4	11.809

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	95
2	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	90
3	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	87
4	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	81
5	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	81





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100522\
Data File : VU051143.D
Acq On : 05 Oct 2022 22:18
Operator : JC/MD
Sample : N4889-02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 33 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
EXZ60

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092922WMA.M
Quant Title : VOC Analysis

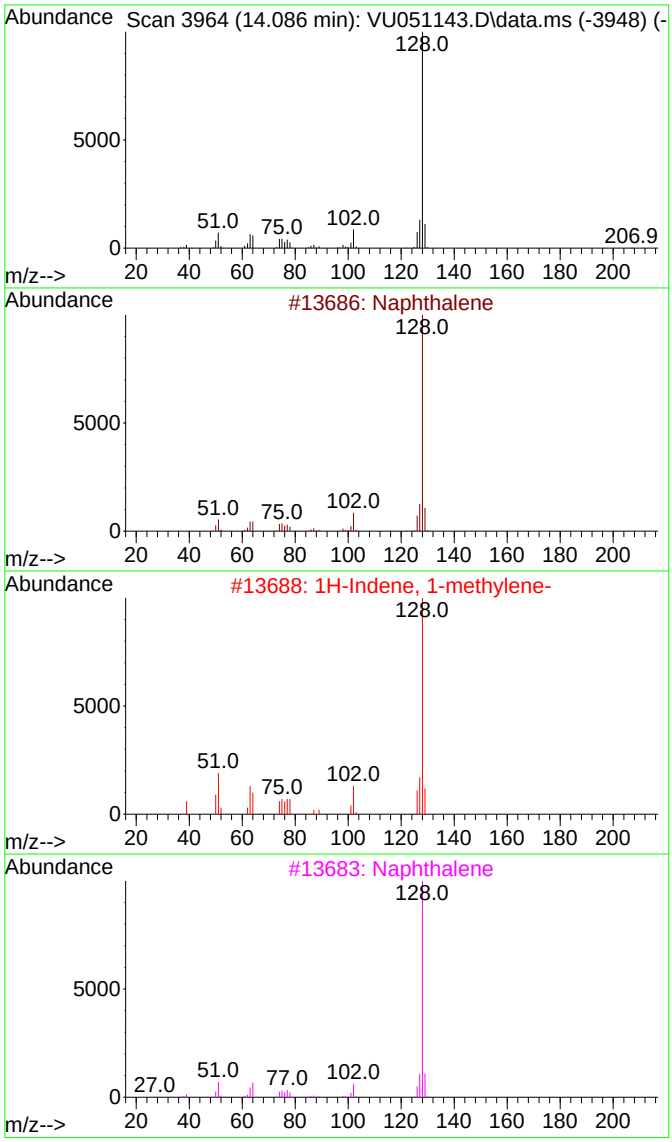
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

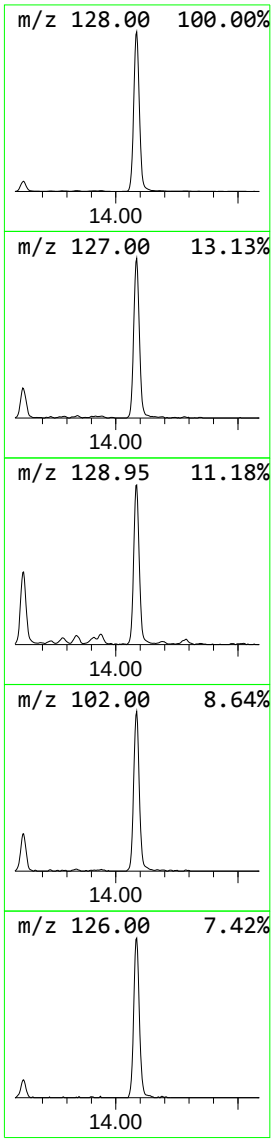
****

Peak Number 51 Azulene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.086	13.18 ug/L	1034620	1,4-Dichlorobenzene-d4	11.809

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene	128	C10H8	000091-20-3	95
2	1H-Indene, 1-methylene-	128	C10H8	002471-84-3	95
3	Naphthalene	128	C10H8	000091-20-3	94
4	Azulene	128	C10H8	000275-51-4	93
5	Azulene	128	C10H8	000275-51-4	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100522\
Data File : VU051143.D
Acq On : 05 Oct 2022 22:18
Operator : JC/MD
Sample : N4889-02
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 33 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
EXZ60

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092922WMA.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
Propanal, 2-met...	3.578	4.8	ug/L	92777	1	6.247	964381	50.0
(DEL) Alkane: C...	4.527	4.9	ug/L	94121	1	6.247	964381	50.0
(DEL) Alkane: S...	5.459	2.6	ug/L	51158	1	6.247	964381	50.0
(DEL) Alkane: S...	5.591	8.0	ug/L	153422	1	6.247	964381	50.0
(DEL) Alkane: C...	5.848	10.6	ug/L	205298	1	6.247	964381	50.0
(DEL) Alkane: C...	5.919	10.7	ug/L	205592	1	6.247	964381	50.0
(DEL) Alkane: C...	5.986	18.8	ug/L	361613	1	6.247	964381	50.0
(DEL) Alkane: S...	6.131	3.1	ug/L	60710	1	6.247	964381	50.0
(DEL) Alkane: S...	6.864	2.7	ug/L	51302	1	6.247	964381	50.0
unknown-01	6.980	19.7	ug/L	379901	1	6.247	964381	50.0
(DEL) Alkane: C...	7.070	5.9	ug/L	112938	1	6.247	964381	50.0
unknown-02	7.189	3.5	ug/L	66974	1	6.247	964381	50.0
(DEL) Alkane: C...	7.231	5.1	ug/L	97731	1	6.247	964381	50.0
(DEL) Alkane: S...	7.497	3.4	ug/L	65581	1	6.247	964381	50.0
(DEL) Alkane: S...	7.658	3.5	ug/L	66968	1	6.247	964381	50.0
(DEL) Alkane: C...	8.243	17.0	ug/L	405731	2	9.417	1192040	50.0
(DEL) Alkane: C...	8.366	7.6	ug/L	182153	2	9.417	1192040	50.0
(DEL) Alkane: C...	8.809	6.1	ug/L	144550	2	9.417	1192040	50.0
(DEL) Alkane: C...	8.864	17.9	ug/L	427047	2	9.417	1192040	50.0
1-Hepten-4-ol, ...	8.944	11.4	ug/L	272104	2	9.417	1192040	50.0
4-Heptanone	9.366	4.2	ug/L	100037	2	9.417	1192040	50.0
Pentalene, octa...	9.510	9.4	ug/L	224831	2	9.417	1192040	50.0
3-Oxatricyclo[4...	9.890	4.5	ug/L	108457	2	9.417	1192040	50.0
(DEL) Alkane: C...	10.034	17.3	ug/L	413224	2	9.417	1192040	50.0
(DEL) Alkane: C...	10.237	8.7	ug/L	207855	2	9.417	1192040	50.0
Cyclohexene, 4-...	10.272	18.1	ug/L	432625	2	9.417	1192040	50.0
(DEL) Alkane: C...	10.359	25.5	ug/L	607495	2	9.417	1192040	50.0
Cyclopentene, 1...	10.697	3.1	ug/L	241565	3	11.809	3925130	50.0
1H-Indene, octa...	10.813	2.9	ug/L	223440	3	11.809	3925130	50.0
Benzene, propyl-	10.903	49.7	ug/L	3903800	3	11.809	3925130	50.0
Benzene, 1-ethy...	10.999	3.2	ug/L	249290	3	11.809	3925130	50.0
4-Heptanone, 2,...	11.230	6.5	ug/L	507069	3	11.809	3925130	50.0
Benzene, 1-ethy...	11.295	6.9	ug/L	538376	3	11.809	3925130	50.0
2-Heptanone, 4,...	11.555	6.1	ug/L	477960	3	11.809	3925130	50.0
Benzene, (2-met...	11.610	3.1	ug/L	245022	3	11.809	3925130	50.0
Benzene, (1-met...	11.639	11.0	ug/L	864295	3	11.809	3925130	50.0
Benzene, 1,2,3-...	11.893	94.8	ug/L	7444350	3	11.809	3925130	50.0
o-Cymene	12.005	2.8	ug/L	215985	3	11.809	3925130	50.0
Benzene, 1-prop...	12.092	31.0	ug/L	2432120	3	11.809	3925130	50.0
Benzene, 1,2-di...	12.301	4.7	ug/L	366007	3	11.809	3925130	50.0
Benzene, 1-meth...	12.375	12.4	ug/L	974740	3	11.809	3925130	50.0
Benzene, 1-meth...	12.571	18.5	ug/L	1450820	3	11.809	3925130	50.0
Benzene, (2-met...	12.610	5.9	ug/L	459930	3	11.809	3925130	50.0
Indan, 1-methyl-	12.684	18.7	ug/L	1467370	3	11.809	3925130	50.0
Benzene, 4-ethy...	12.874	12.6	ug/L	988565	3	11.809	3925130	50.0
Benzene, 1,2,4,...	12.970	9.3	ug/L	733740	3	11.809	3925130	50.0
Benzene, 1,2,3,...	13.449	30.1	ug/L	2363340	3	11.809	3925130	50.0
Naphthalene, 1,...	13.623	11.5	ug/L	902053	3	11.809	3925130	50.0
Azulene	14.086	13.2	ug/L	1034620	3	11.809	3925130	50.0