LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121121\
Data File : VU046283.D
Acq On : 11 Dec 2021 13:57
Operator : SY/MD
Sample : M4943-01DL 20X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BGKQ1DL

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\SFAMULM112921WMA.M
Title : VOC Analysis

Signal : TIC: VU046283.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.600	75	81	96	rVB	83219	92784	8.02%	0.567%
2	1.919	172	180	189	rVB	66933	82906	7.17%	0.506%
3	2.343	306	312	315	rVB2	442	436	0.04%	0.003%
4	2.571	372	383	397	rBV	137693	229604	19.84%	1.402%
5	2.964	500	505	509	rVV2	714	743	0.06%	0.005%
6	3.051	522	532	549	rVB4	6698	13188	1.14%	0.081%
7	3.128	549	556	560	rBV2	375	589	0.05%	0.004%
8	3.192	567	576	587	rVB3	1361	2889	0.25%	0.018%
9	3.350	621	625	631	rVB	523	454	0.04%	0.003%
10	3.385	631	636	638	rBV2	475	494	0.04%	0.003%
11	3.800	761	765	770	rBV2	564	467	0.04%	0.003%
12	4.276	909	913	916	rBV	522	428	0.04%	0.003%
13	4.636	1010	1025	1063	rBV	83193	232875	20.13%	1.422%
14	4.919	1109	1113	1116	rBV2	457	427	0.04%	0.003%
15	5.070	1143	1160	1181	rBV	129860	298541	25.80%	1.823%
16	5.192	1192	1198	1202	rVB2	371	398	0.03%	0.002%
17	5.343	1239	1245	1248	rBV	415	490	0.04%	0.003%
18	5.372	1250	1254	1258	rVV3	521	429	0.04%	0.003%
19	5.552	1302	1310	1313	rBV	429	550	0.05%	0.003%
20	5.594	1320	1323	1329	rVB5	955	997	0.09%	0.006%
21	5.729	1342	1365	1393	rVV2	265067	735756	63.59%	4.493%
22	5.899	1413	1418	1422	rBV2	802	1001	0.09%	0.006%
23	6.079	1470	1474	1477	rBV2	432	411	0.04%	0.003%
24	6.134	1487	1491	1493	rBV2	558	496	0.04%	0.003%
25	6.253	1513	1528	1556	rVV	221058	418790	36.19%	2.558%
26	6.353	1556	1559	1564	rVV2	590	564	0.05%	0.003%
27	6.478	1594	1598	1601	rBV	766	699	0.06%	0.004%
28	6.523	1601	1612	1613	rBV6	3332	4258	0.37%	0.026%
29	6.571	1624	1627	1633	rVB	448	399	0.03%	0.002%
30	6.645	1645	1650	1651	rBV	471	403	0.03%	0.002%
31	6.693	1651	1665	1682	rBV	170791	328562	28.40%	2.007%
32	6.803	1695	1699	1708	rVB6	1556	2459	0.21%	0.015%
33	6.864	1713	1718	1720	rBV2	451	411	0.04%	0.003%
34	7.002	1755	1761	1765	rVB	507	538	0.05%	0.003%
35	7.050	1771	1776	1781	rBV2	750	973	0.08%	0.006%
36	7.153	1802	1808	1812	rBV	528	460	0.04%	0.003%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121121\
Data File : VU046283.D
Acq On : 11 Dec 2021 13:57
Operator : SY/MD
Sample : M4943-01DL 20X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BGKQ1DL

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\SFAMULM112921WMA.M
Title : VOC Analysis

37	7.256	1836	1840	1841	rBV2	701	528	0.05%	0.003%
38	7.504	1907	1917	1921	rBV3	2749	3719	0.32%	0.023%
39	7.568	1924	1937	1955	rVB	97106	170516	14.74%	1.041%
40	7.658	1955	1965	1966	rBV4	2753	3029	0.26%	0.018%
41	7.748	1989	1993	1998	rBV	368	453	0.04%	0.003%
42	7.848	2016	2024	2026	rBV3	1747	2079	0.18%	0.013%
43	7.899	2028	2040	2053	rVV	315422	554369	47.91%	3.386%
44	7.970	2053	2062	2077	rVB	93981	163687	14.15%	1.000%
45	8.066	2089	2092	2098	rVB3	527	493	0.04%	0.003%
46	8.131	2104	2112	2118	rVV3	5622	8332	0.72%	0.051%
47	8.182	2118	2128	2140	rVV	68094	113424	9.80%	0.693%
48	8.243	2140	2147	2157	rVB4	3163	5413	0.47%	0.033%
49	8.291	2157	2162	2166	rBV3	363	462	0.04%	0.003%
50	8.317	2166	2170	2176	rVB4	499	599	0.05%	0.004%
51	8.372	2179	2187	2198	rBV6	1816	3082	0.27%	0.019%
52	8.468	2212	2217	2228	rVB5	1458	2337	0.20%	0.014%
53	8.536	2228	2238	2245	rBV4	3052	4690	0.41%	0.029%
54	8.636	2257	2269	2286	rBV	278312	471582	40.76%	2.880%
55	8.758	2299	2307	2314	rBV5	7405	13624	1.18%	0.083%
56	8.867	2335	2341	2349	rVB3	7054	10349	0.89%	0.063%
57	8.925	2349	2359	2370	rBV4	9629	20722	1.79%	0.127%
58	9.060	2393	2401	2410	rBV8	3536	7008	0.61%	0.043%
59	9.121	2413	2420	2427	rVV5	8706	15681	1.36%	0.096%
60	9.172	2428	2436	2441	rVV6	13192	24853	2.15%	0.152%
61	9.214	2443	2449	2461	rVB3	35770	57778	4.99%	0.353%
62	9.336	2476	2487	2497	rBV2	35876	60745	5.25%	0.371%
63	9.420	2501	2513	2531	rVV	335015	566402	48.95%	3.459%
64	9.571	2549	2560	2574	rBV	242080	396681	34.28%	2.423%
65	9.635	2575	2580	2582	rBV5	3197	3387	0.29%	0.021%
66	9.693	2586	2598	2608	rBV	692319	1157045	100.00%	7.066%
67	9.883	2643	2657	2669	rBV10	5654	13251	1.15%	0.081%
68	9.954	2669	2679	2688	rBV4	6590	13640	1.18%	0.083%
69	10.021	2690	2700	2712	rBV5	51964	115196	9.96%	0.704%
70	10.102	2715	2725	2740	rVV	253553	453563	39.20%	2.770%
71	10.253	2754	2772	2785	rBV3	109297	219777	18.99%	1.342%
72	10.317	2785	2792	2795	rBV4	14879	21168	1.83%	0.129%
73	10.356	2797	2804	2811	rBV4	62550	99146	8.57%	0.606%
74	10.558	2853	2867	2875	rBV4	75090	162570	14.05%	0.993%
75	10.758	2920	2929	2939	rBV	374948	568903	49.17%	3.474%
76	10.906	2968	2975	2983	rBV	54827	77261	6.68%	0.472%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121121\
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Acq On : 11 Dec 2021 13:57
Operator : SY/MD
Sample : M4943-01DL 20X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BGKQ1DL

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\SFAMULM112921WMA.M
Title : VOC Analysis

77	10.999	2996	3004	3018	rBV	169171	379925	32.84%	2.320%
78	11.115	3035	3040	3056	rVB	547842	831519	71.87%	5.078%
79	11.295	3087	3096	3113	rBV3	109093	288136	24.90%	1.760%
80	11.378	3116	3122	3127	rVV5	54246	77910	6.73%	0.476%
81	11.417	3128	3134	3141	rVV	172518	240783	20.81%	1.471%
82	11.468	3141	3150	3174	rVB	557821	1007044	87.04%	6.150%
83	11.574	3176	3183	3189	rBV3	58229	94572	8.17%	0.578%
84	11.709	3217	3225	3232	rBV5	115042	191192	16.52%	1.168%
85	11.812	3249	3257	3270	rVB2	409159	727649	62.89%	4.444%
86	11.902	3271	3285	3295	rBV3	164467	423762	36.62%	2.588%
87	12.098	3338	3346	3350	rBV3	83625	133515	11.54%	0.815%
88	12.192	3364	3375	3390	rVB2	559712	1040379	89.92%	6.354%
89	12.327	3409	3417	3427	rVB2	452407	641762	55.47%	3.919%
90	12.471	3455	3462	3464	rBV	54394	69811	6.03%	0.426%
91	12.931	3598	3605	3611	rBV2	55634	92081	7.96%	0.562%
92	13.433	3754	3761	3782	rVB5	118879	286664	24.78%	1.751%
93	13.735	3848	3855	3864	rBV9	11979	23710	2.05%	0.145%
94	13.841	3881	3888	3903	rBV6	20091	37951	3.28%	0.232%
95	14.085	3955	3964	3984	rVB	703134	1134482	98.05%	6.929%
96	14.452	4071	4078	4086	rBV	64823	82459	7.13%	0.504%
97	15.220	4306	4317	4328	rBV	135951	229517	19.84%	1.402%
98	15.407	4366	4375	4390	rBV3	122665	199227	17.22%	1.217%
99	16.262	4635	4641	4646	rBV3	32461	48582	4.20%	0.297%
100	16.410	4681	4687	4693	rBV	36826	48026	4.15%	0.293%

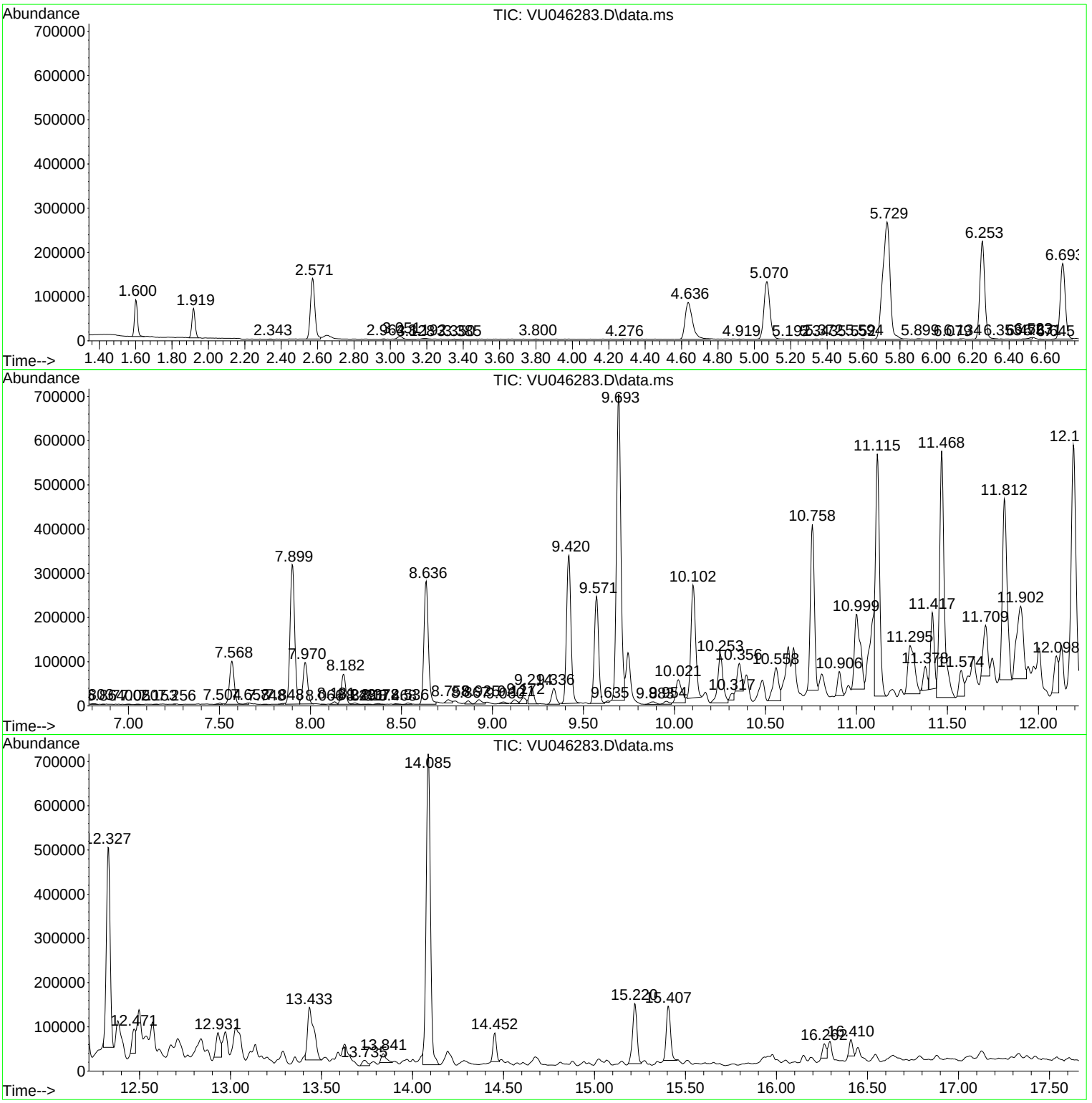
Sum of corrected areas: 16374071

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121121\
Data File : VU046283.D
Acq On : 11 Dec 2021 13:57
Operator : SY/MD
Sample : M4943-01DL 20X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BGKQ1DL

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
Quant Title : VOC Analysis

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121121\
Data File : VU046283.D
Acq On : 11 Dec 2021 13:57
Operator : SY/MD
Sample : M4943-01DL 20X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BGKQ1DL

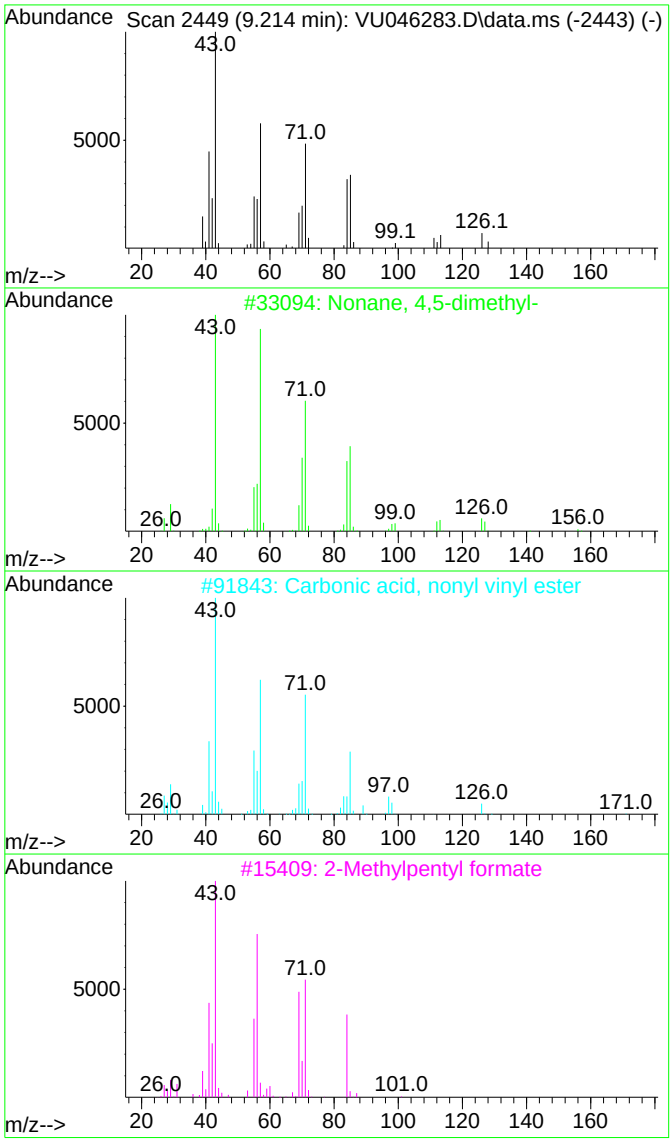
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
Quant Title : VOC Analysis

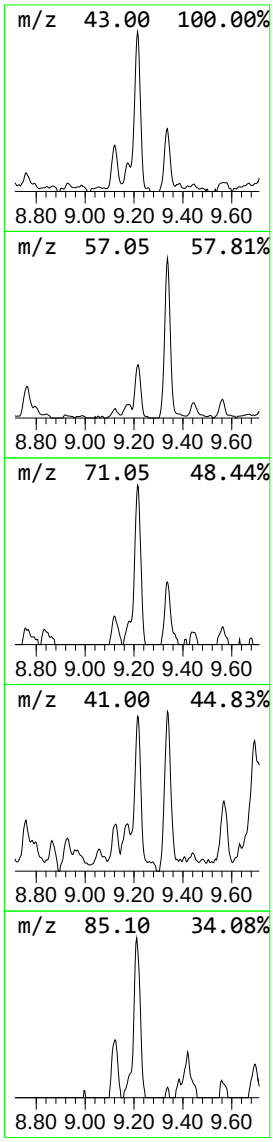
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.214	5.10 ug/L	57778	Chlorobenzene-d5	9.420

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 4,5-dimethyl-	156	C11H24	017302-23-7	53
2	Carbonic acid, nonyl vinyl ester	214	C12H22O3	1000383-25-6	53
3	2-Methylpentyl formate	130	C7H14O2	381670-34-4	50
4	Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	50
5	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	47





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121121\
Data File : VU046283.D
Acq On : 11 Dec 2021 13:57
Operator : SY/MD
Sample : M4943-01DL 20X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BGKQ1DL

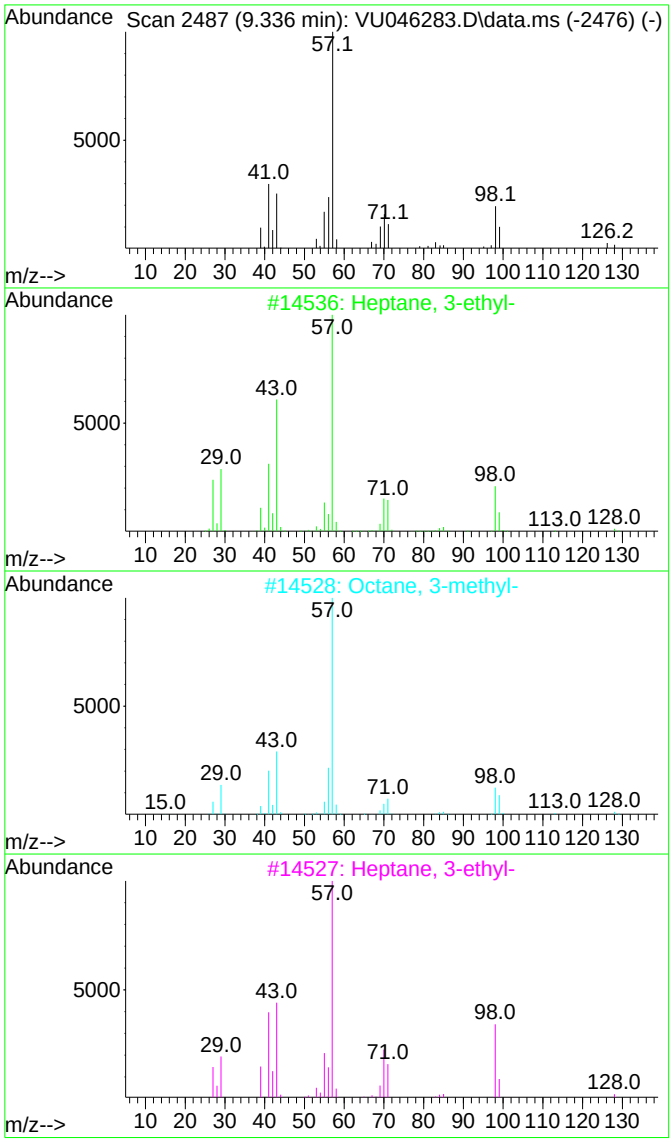
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
Quant Title : VOC Analysis

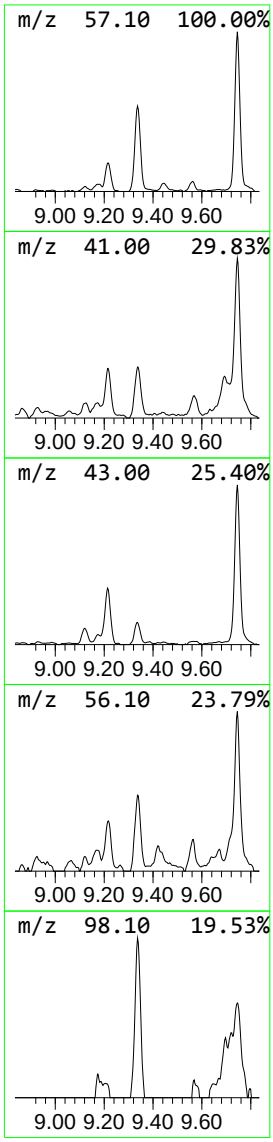
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.336	5.36 ug/L	60745	Chlorobenzene-d5	9.420

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3-ethyl-	128	C9H20	015869-80-4	68
2	Octane, 3-methyl-	128	C9H20	002216-33-3	64
3	Heptane, 3-ethyl-	128	C9H20	015869-80-4	64
4	Octane, 3-methyl-	128	C9H20	002216-33-3	64
5	Heptyl isobutyl carbonate	216	C12H24O3	959068-08-7	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121121\
Data File : VU046283.D
Acq On : 11 Dec 2021 13:57
Operator : SY/MD
Sample : M4943-01DL 20X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BGKQ1DL

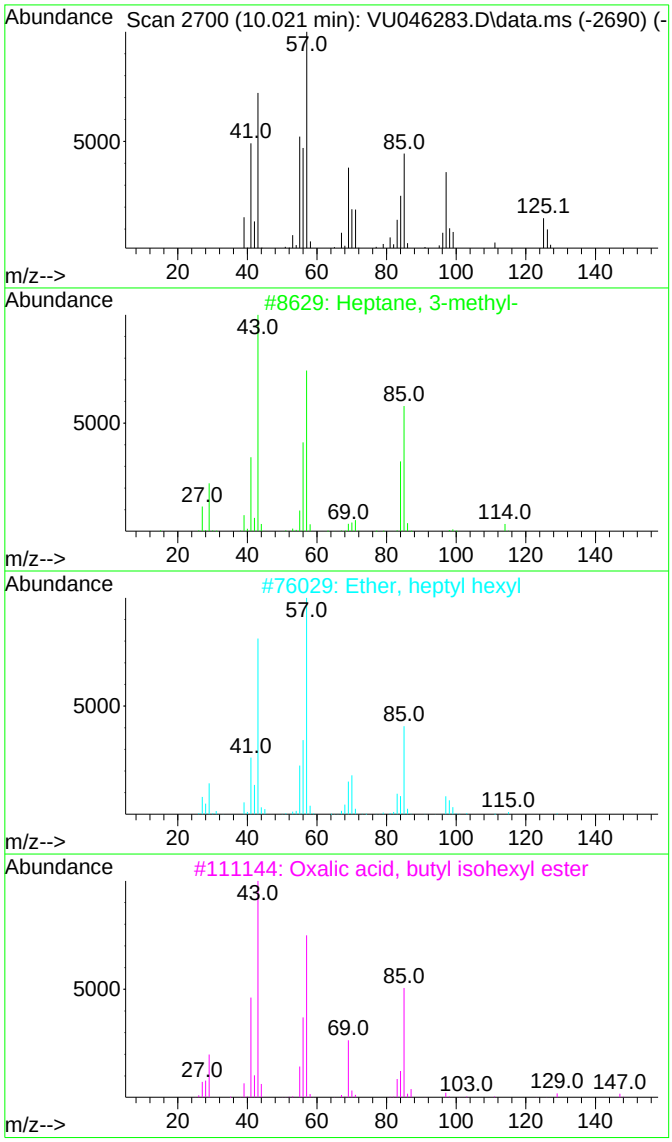
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
Quant Title : VOC Analysis

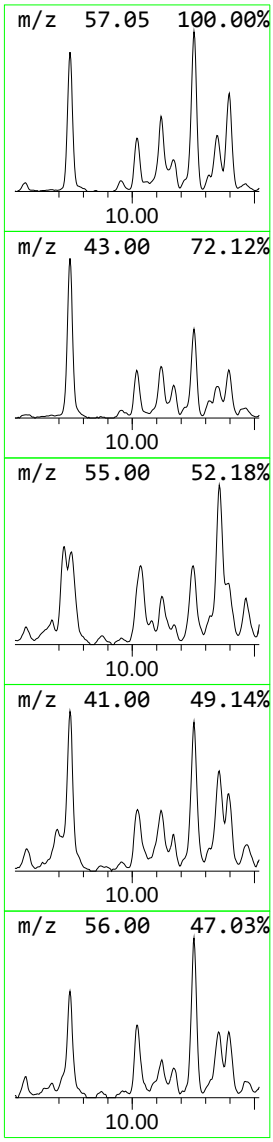
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.021	10.17 ug/L	115196	Chlorobenzene-d5	9.420

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3-methyl-	114	C8H18	000589-81-1	50
2	Ether, heptyl hexyl	200	C13H28O	007289-40-9	47
3	Oxalic acid, butyl isohexyl ester	230	C12H22O4	1000309-32-7	47
4	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	43
5	1-Nonene	126	C9H18	000124-11-8	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121121\
Data File : VU046283.D
Acq On : 11 Dec 2021 13:57
Operator : SY/MD
Sample : M4943-01DL 20X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BGKQ1DL

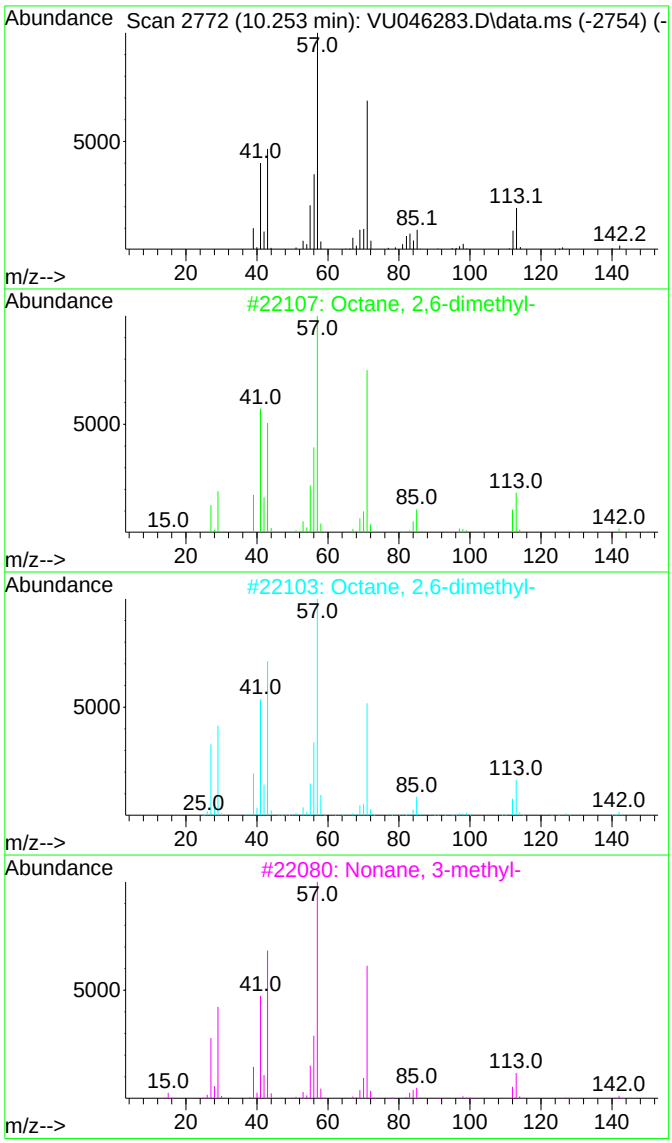
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
Quant Title : VOC Analysis

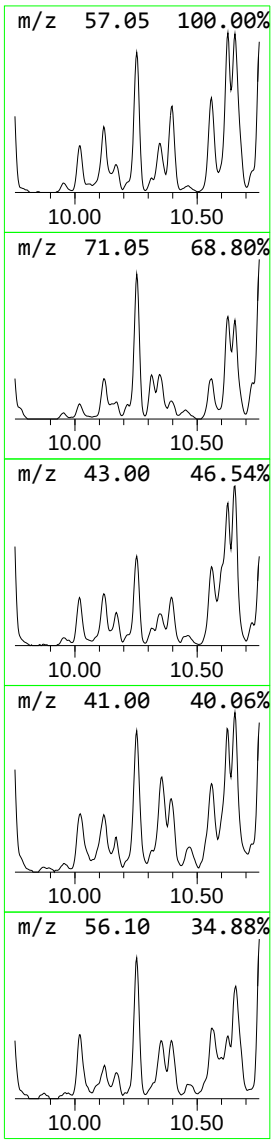
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.253	19.40 ug/L	219777	Chlorobenzene-d5	9.420

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	94
2	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	91
3	Nonane, 3-methyl-	142	C10H22	005911-04-6	91
4	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	90
5	Sulfurous acid, 2-ethylhexyl hex...	418	C24H50O3S	1000309-19-9	86





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121121\
Data File : VU046283.D
Acq On : 11 Dec 2021 13:57
Operator : SY/MD
Sample : M4943-01DL 20X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BGKQ1DL

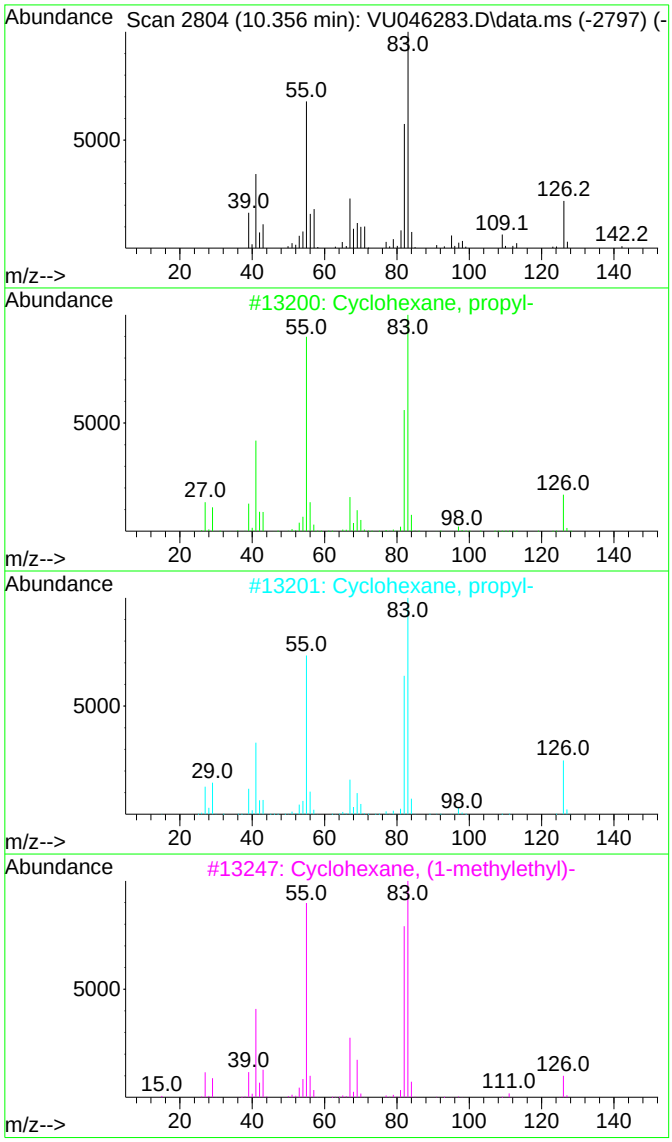
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
Quant Title : VOC Analysis

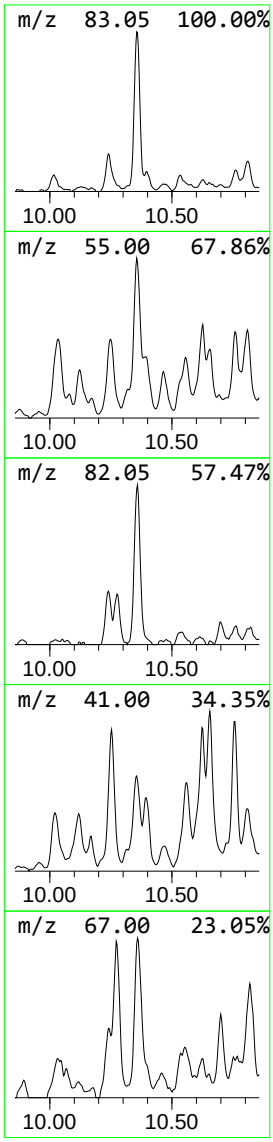
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 (DEL) Alkane: Cyclic10.356 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.356	8.75 ug/L	99146	Chlorobenzene-d5	9.420

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, propyl-	126	C9H18	001678-92-8	87
2	Cyclohexane, propyl-	126	C9H18	001678-92-8	81
3	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	81
4	Cyclohexane, propyl-	126	C9H18	001678-92-8	74
5	Cyclohexane, propyl-	126	C9H18	001678-92-8	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121121\
Data File : VU046283.D
Acq On : 11 Dec 2021 13:57
Operator : SY/MD
Sample : M4943-01DL 20X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BGKQ1DL

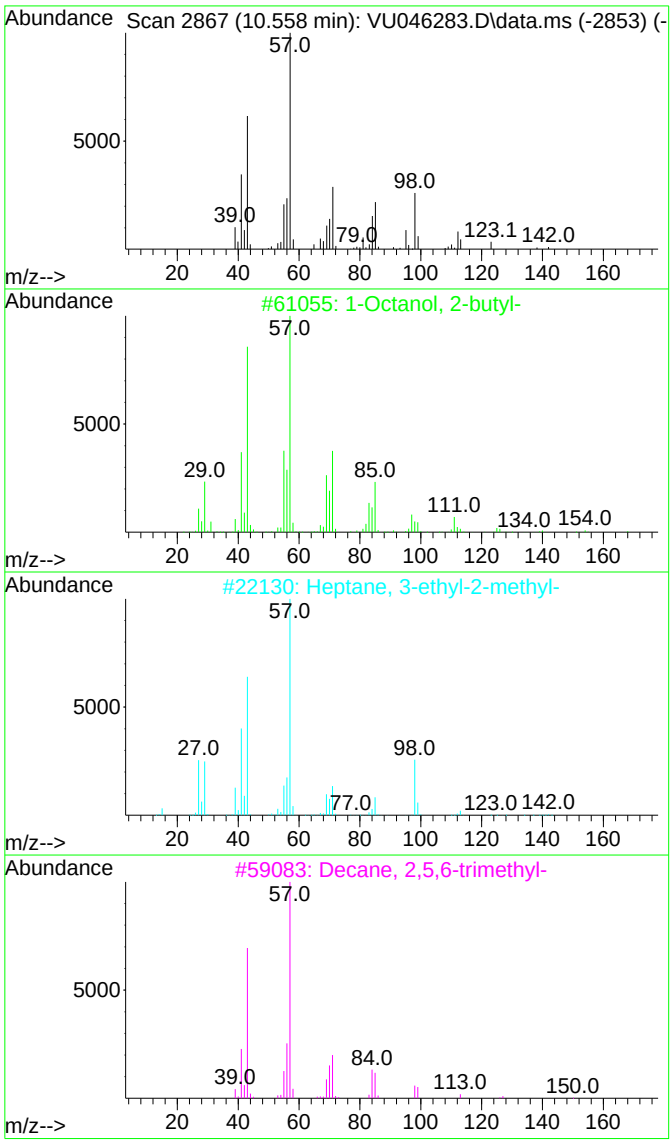
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
Quant Title : VOC Analysis

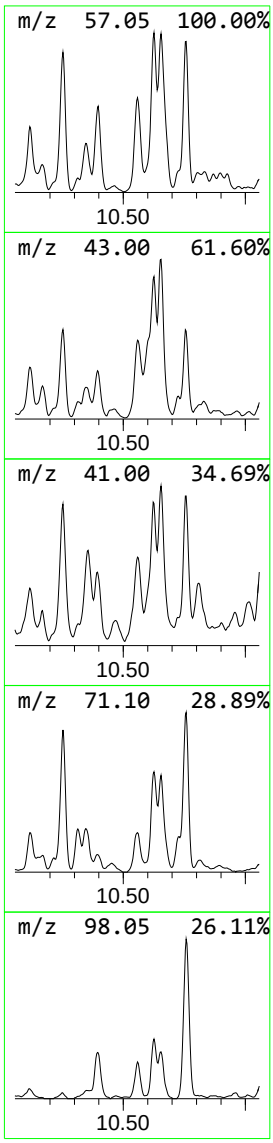
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 1-Octanol, 2-butyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.558	14.35 ug/L	162570	Chlorobenzene-d5	9.420

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Octanol, 2-butyl-	186	C12H26O	003913-02-8	53
2	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	53
3	Decane, 2,5,6-trimethyl-	184	C13H28	062108-23-0	47
4	Undecane, 5-methyl-	170	C12H26	001632-70-8	47
5	Butyl decyl ether	214	C14H30O	1000406-40-2	47





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121121\
Data File : VU046283.D
Acq On : 11 Dec 2021 13:57
Operator : SY/MD
Sample : M4943-01DL 20X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BGKQ1DL

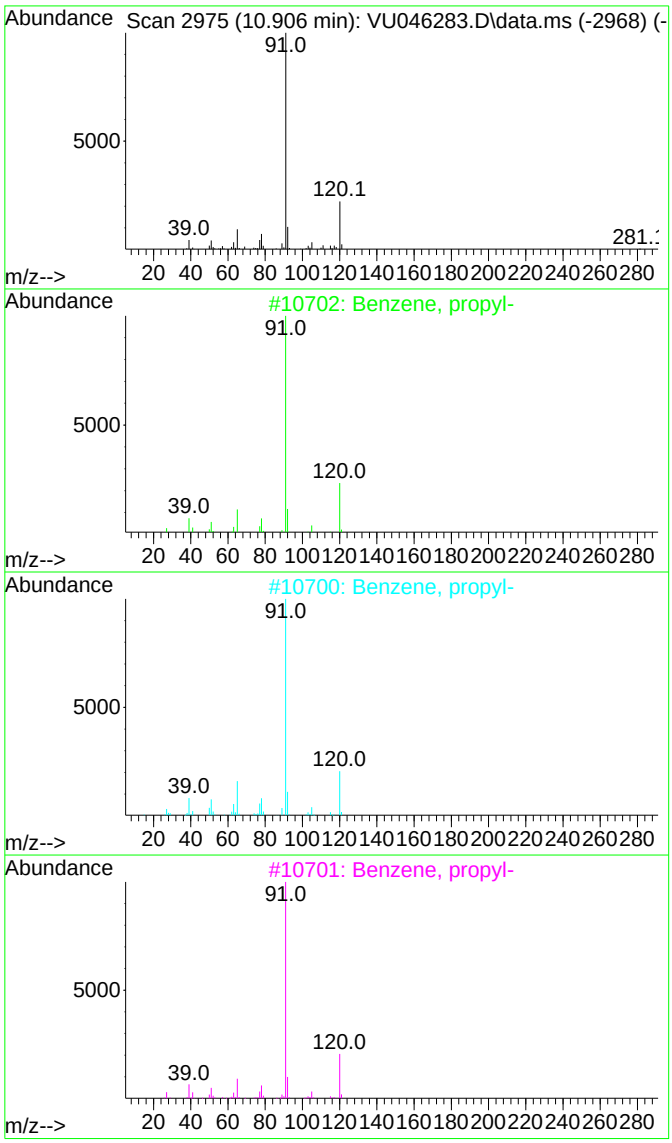
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
Quant Title : VOC Analysis

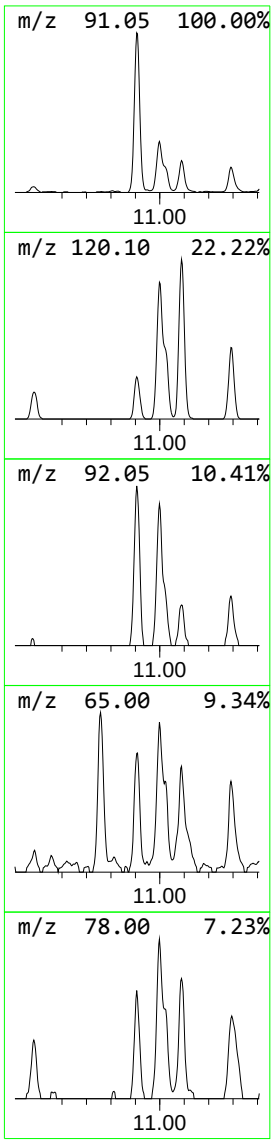
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Benzene, propyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.906	5.31 ug/L	77261	1,4-Dichlorobenzene-d4	11.812

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	90
3	Benzene, propyl-	120	C9H12	000103-65-1	87
4	Benzene, propyl-	120	C9H12	000103-65-1	87
5	1,2-Ethanediamine, N-(phenylmeth...	150	C9H14N2	004152-09-4	78





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Data File : VU046283.D
Acq On : 11 Dec 2021 13:57
Operator : SY/MD
Sample : M4943-01DL 20X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BGKQ1DL

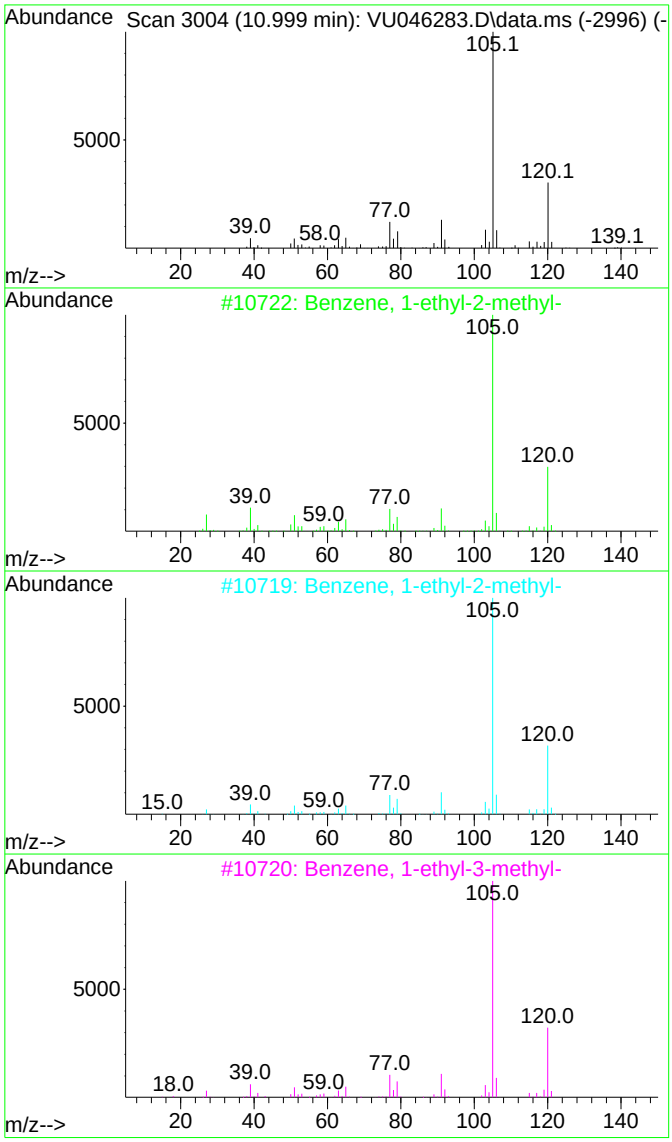
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
Quant Title : VOC Analysis

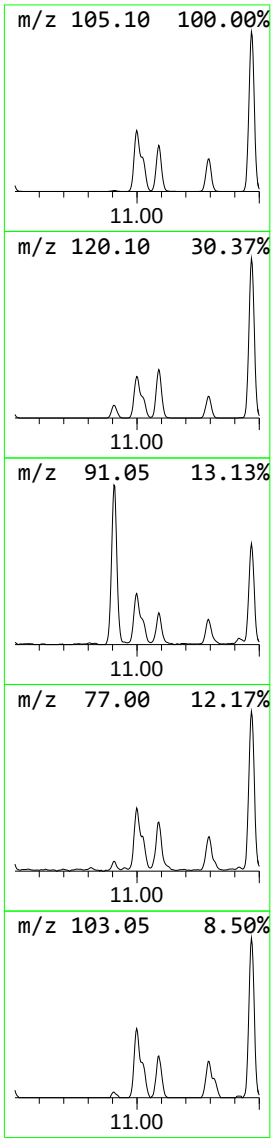
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Benzene, 1-ethyl-2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.999	26.11 ug/L	379925	1,4-Dichlorobenzene-d4	11.812

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-2-methyl-	120	C9H12	000611-14-3	95
3	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	95
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121121\
Data File : VU046283.D
Acq On : 11 Dec 2021 13:57
Operator : SY/MD
Sample : M4943-01DL 20X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BGKQ1DL

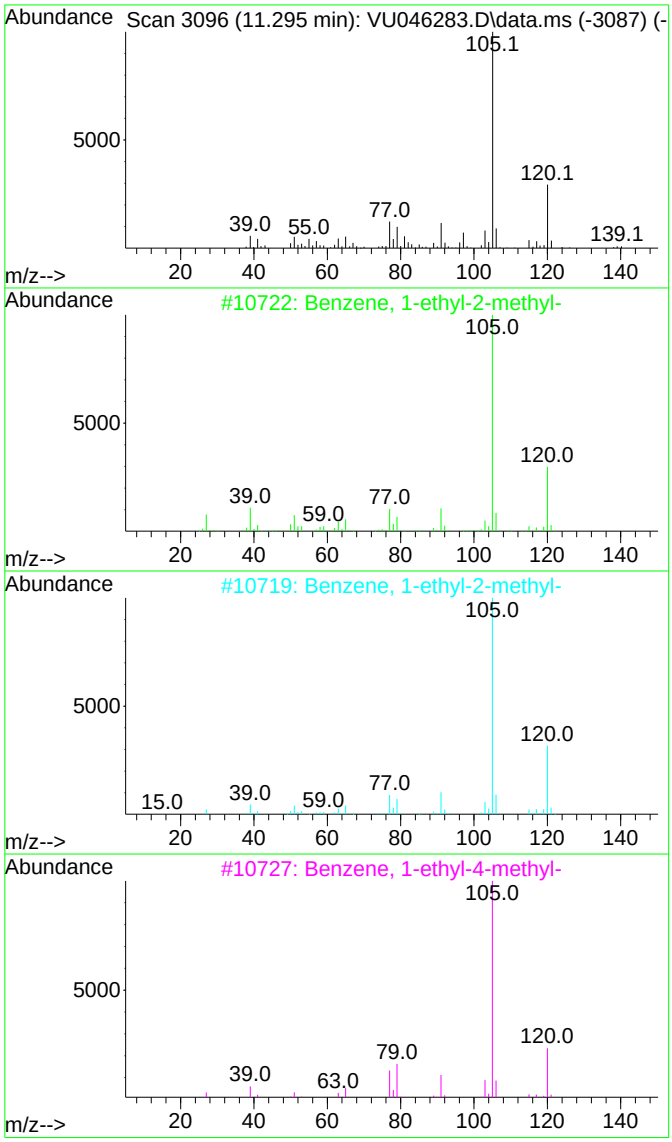
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
Quant Title : VOC Analysis

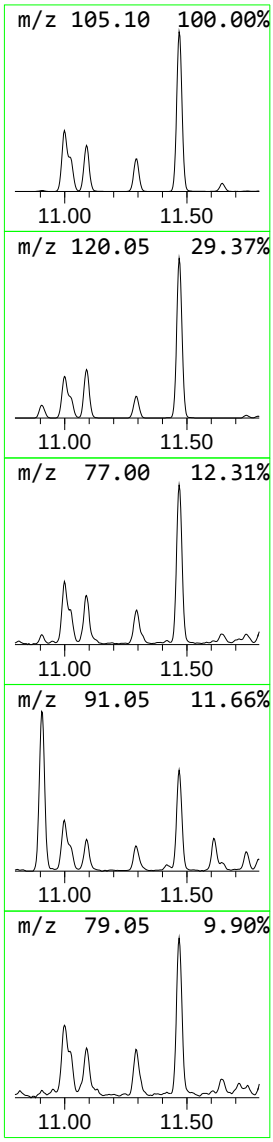
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Benzene, 1-ethyl-4-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.295	19.80 ug/L	288136	1,4-Dichlorobenzene-d4	11.812

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	93
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	93
3	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
4	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	90
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	90





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121121\
Data File : VU046283.D
Acq On : 11 Dec 2021 13:57
Operator : SY/MD
Sample : M4943-01DL 20X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BGKQ1DL

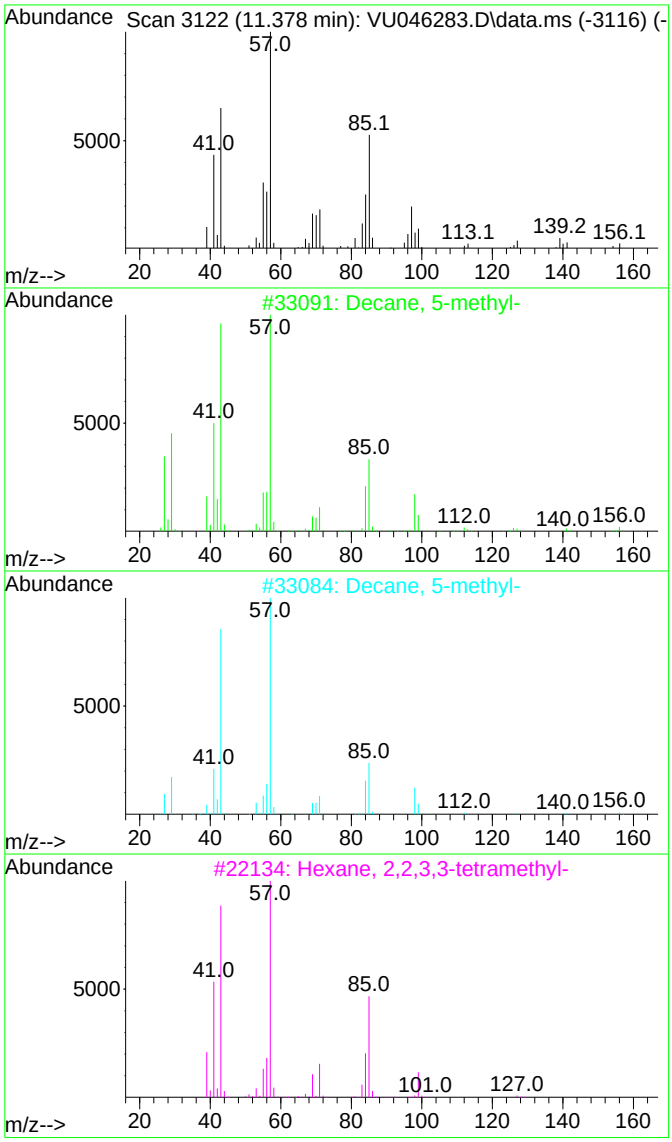
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
Quant Title : VOC Analysis

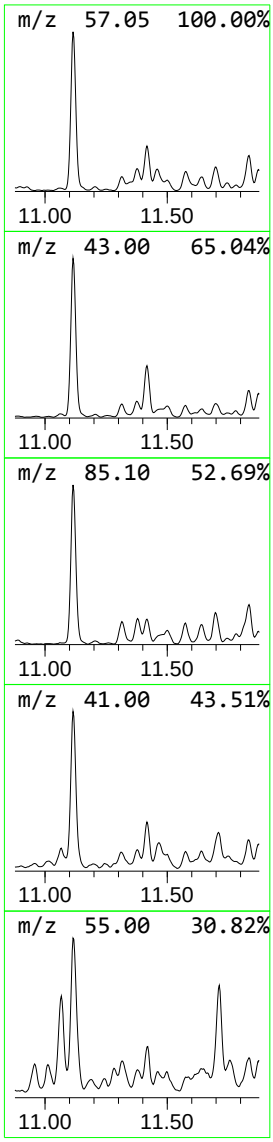
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.378	5.35 ug/L	77910	1,4-Dichlorobenzene-d4	11.812

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 5-methyl-	156	C11H24	013151-35-4	52
2	Decane, 5-methyl-	156	C11H24	013151-35-4	49
3	Hexane, 2,2,3,3-tetramethyl-	142	C10H22	013475-81-5	47
4	Sulfurous acid, hexyl heptyl ester	264	C13H28O3S	1000309-12-9	47
5	Heptane, 3,4,5-trimethyl-	142	C10H22	020278-89-1	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121121\
Data File : VU046283.D
Acq On : 11 Dec 2021 13:57
Operator : SY/MD
Sample : M4943-01DL 20X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BGKQ1DL

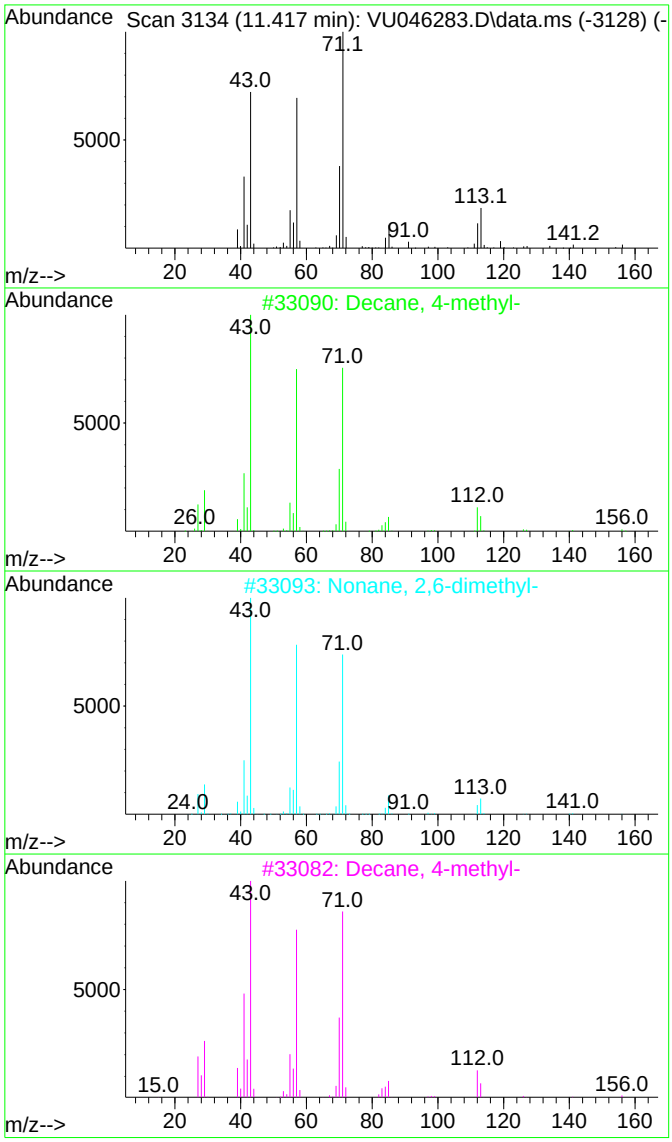
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
Quant Title : VOC Analysis

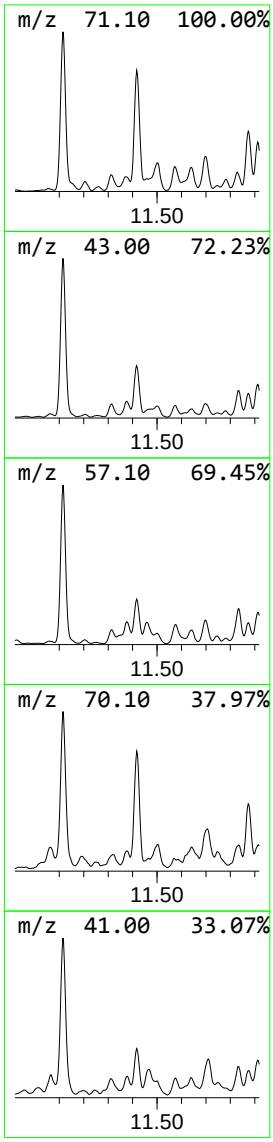
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 (DEL) Alkane: Straight-Chai... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.417	16.55 ug/L	240783	1,4-Dichlorobenzene-d4	11.812

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	90
3	Decane, 4-methyl-	156	C11H24	002847-72-5	80
4	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	59
5	Decane, 4-methyl-	156	C11H24	002847-72-5	58





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121121\
Data File : VU046283.D
Acq On : 11 Dec 2021 13:57
Operator : SY/MD
Sample : M4943-01DL 20X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BGKQ1DL

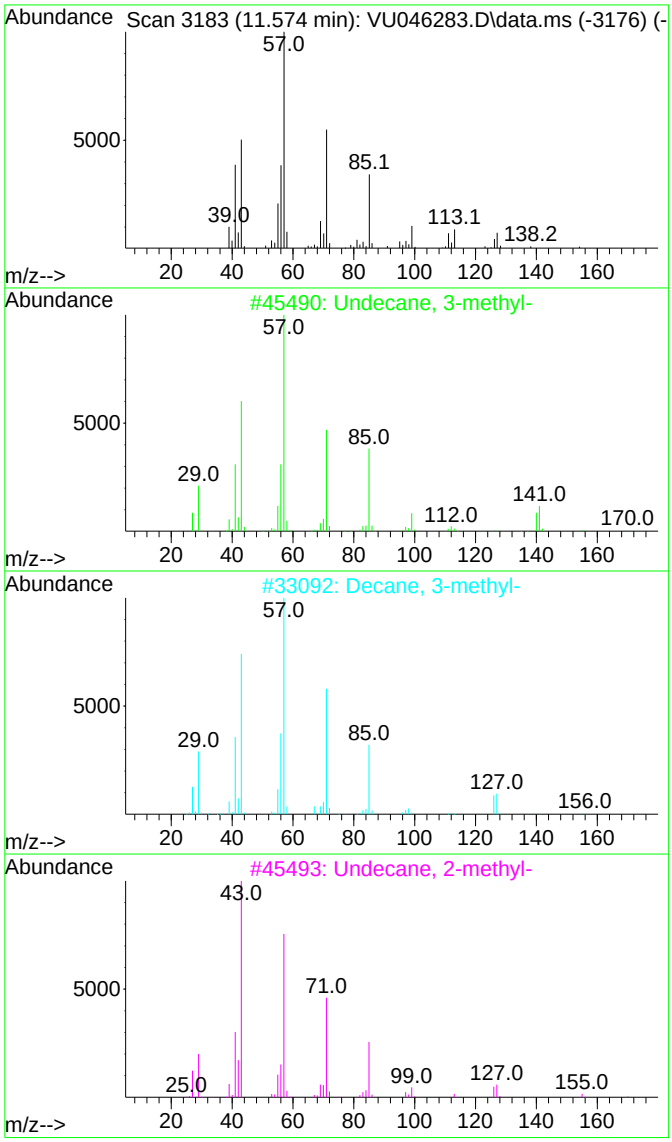
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
Quant Title : VOC Analysis

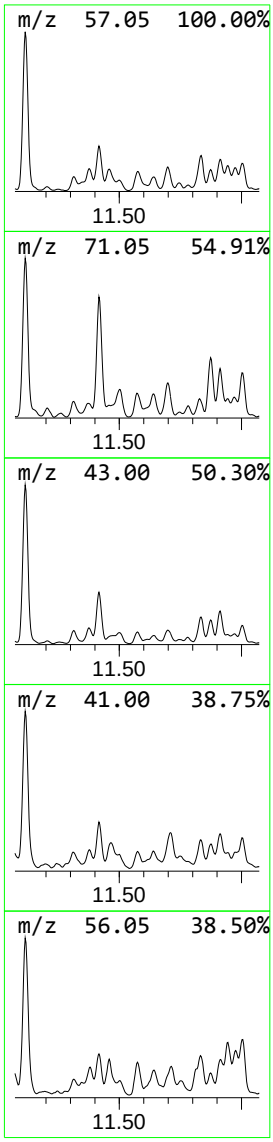
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 (DEL) Alkane: Straight-Chai... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.574	6.50 ug/L	94572	1,4-Dichlorobenzene-d4	11.812

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 3-methyl-	170	C12H26	001002-43-3	78
2	Decane, 3-methyl-	156	C11H24	013151-34-3	64
3	Undecane, 2-methyl-	170	C12H26	007045-71-8	53
4	Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	53
5	Decane, 6-ethyl-2-methyl-	184	C13H28	062108-21-8	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121121\
Data File : VU046283.D
Acq On : 11 Dec 2021 13:57
Operator : SY/MD
Sample : M4943-01DL 20X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BGKQ1DL

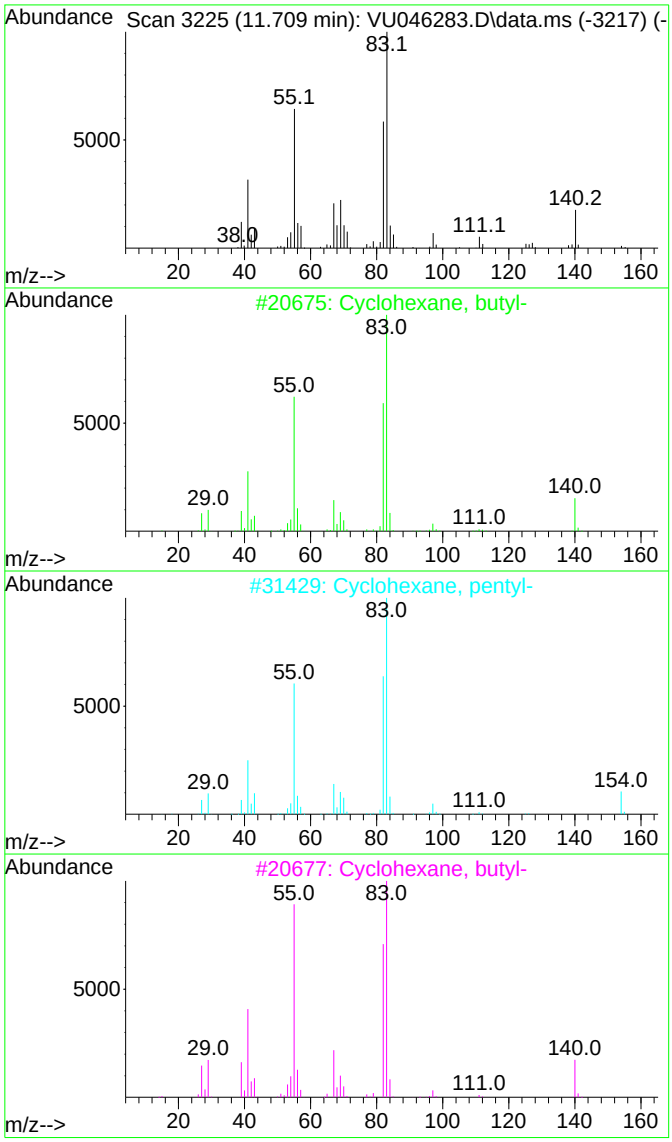
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
Quant Title : VOC Analysis

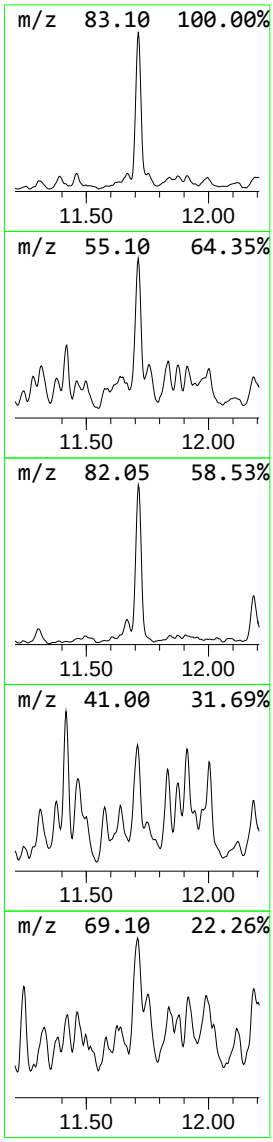
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 (DEL) Alkane: Cyclic11.709 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.709	13.14 ug/L	191192	1,4-Dichlorobenzene-d4	11.812

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, butyl-	140	C10H20	001678-93-9	93
2	Cyclohexane, pentyl-	154	C11H22	004292-92-6	87
3	Cyclohexane, butyl-	140	C10H20	001678-93-9	87
4	Cyclohexane, pentyl-	154	C11H22	004292-92-6	80
5	Cyclohexane, butyl-	140	C10H20	001678-93-9	74





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Data File : VU046283.D
Acq On : 11 Dec 2021 13:57
Operator : SY/MD
Sample : M4943-01DL 20X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BGKQ1DL

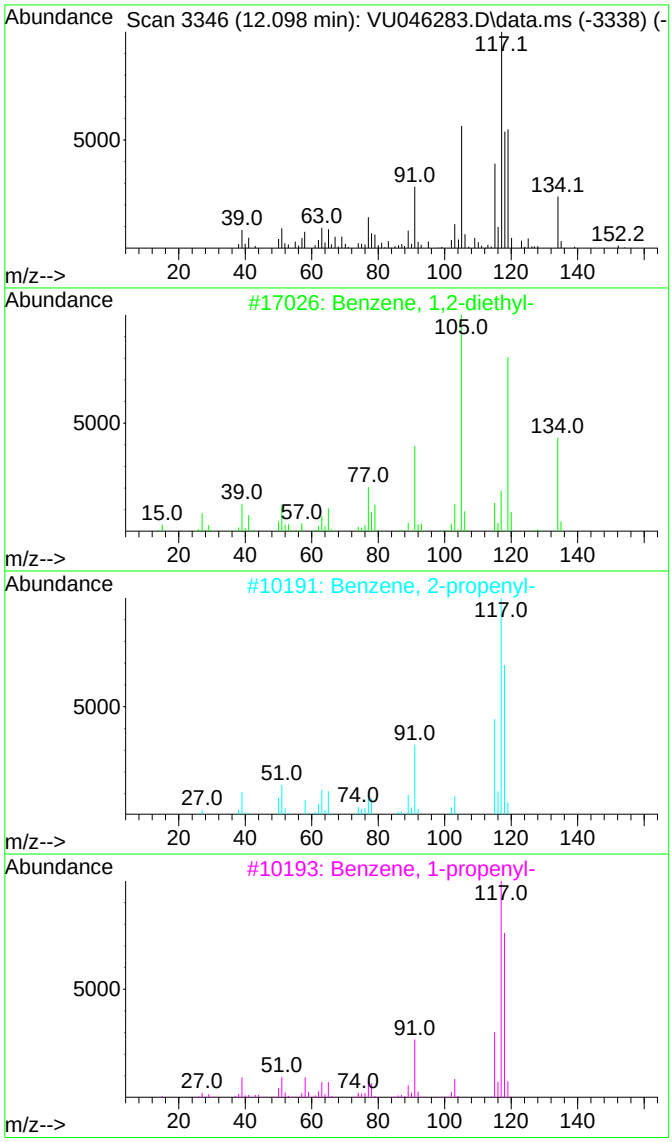
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
Quant Title : VOC Analysis

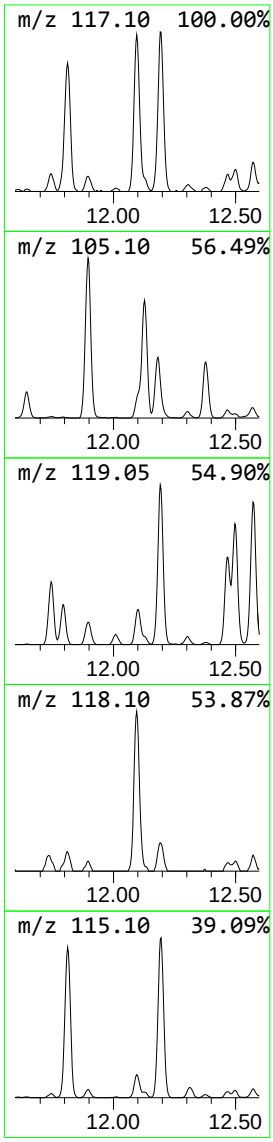
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 Benzene, 1,2-diethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.098	9.17 ug/L	133515	1,4-Dichlorobenzene-d4	11.812

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	70
2	Benzene, 2-propenyl-	118	C9H10	000300-57-2	55
3	Benzene, 1-propenyl-	118	C9H10	000637-50-3	55
4	Benzene, 1-propenyl-	118	C9H10	000637-50-3	55
5	Benzene, 1-propenyl-	118	C9H10	000637-50-3	55





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Data File : VU046283.D
Acq On : 11 Dec 2021 13:57
Operator : SY/MD
Sample : M4943-01DL 20X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BGKQ1DL

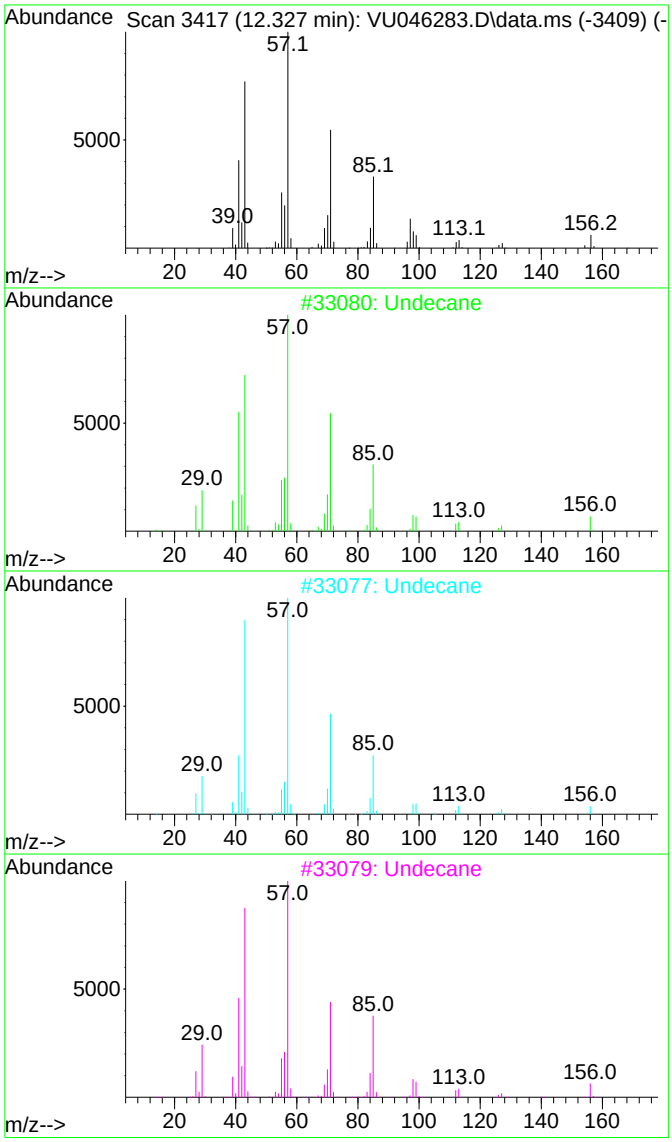
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
Quant Title : VOC Analysis

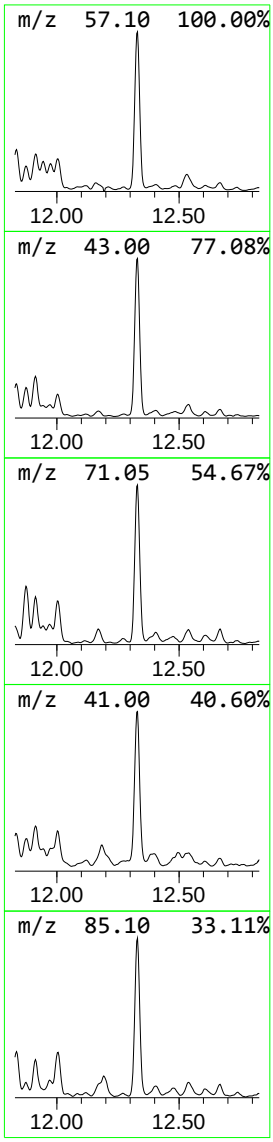
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 (DEL) Alkane: Straight-Chai... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.327	44.10 ug/L	641762	1,4-Dichlorobenzene-d4	11.812

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane	156	C11H24	001120-21-4	94
2	Undecane	156	C11H24	001120-21-4	94
3	Undecane	156	C11H24	001120-21-4	94
4	Carbonic acid, prop-1-en-2-yl te...	298	C18H34O3	1000382-90-9	91
5	Undecane	156	C11H24	001120-21-4	90





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Data File : VU046283.D
Acq On : 11 Dec 2021 13:57
Operator : SY/MD
Sample : M4943-01DL 20X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BGKQ1DL

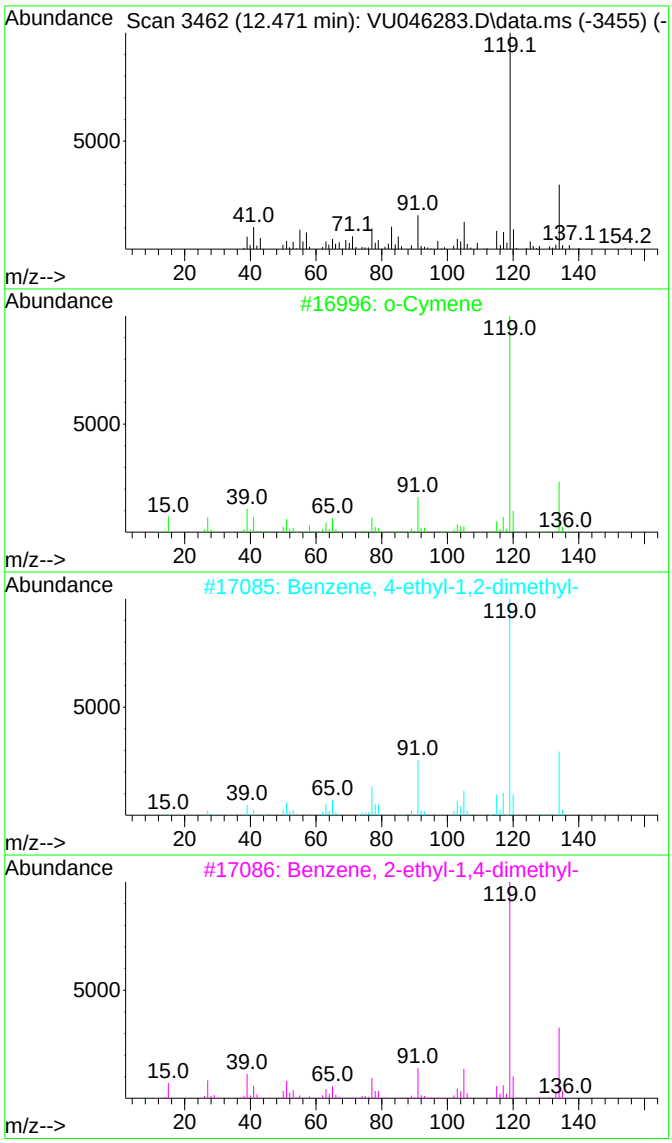
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
Quant Title : VOC Analysis

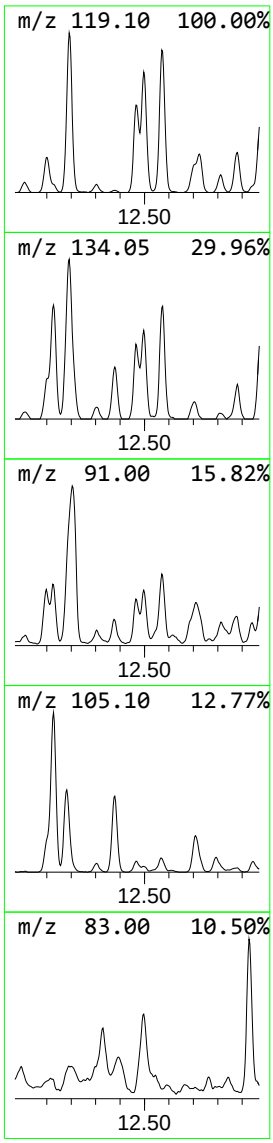
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 18 o-Cymene Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.471	4.80 ug/L	69811	1,4-Dichlorobenzene-d4	11.812

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	93
2	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	93
3	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	93
4	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	93
5	o-Cymene	134	C10H14	000527-84-4	91





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Data File : VU046283.D
Acq On : 11 Dec 2021 13:57
Operator : SY/MD
Sample : M4943-01DL 20X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BGKQ1DL

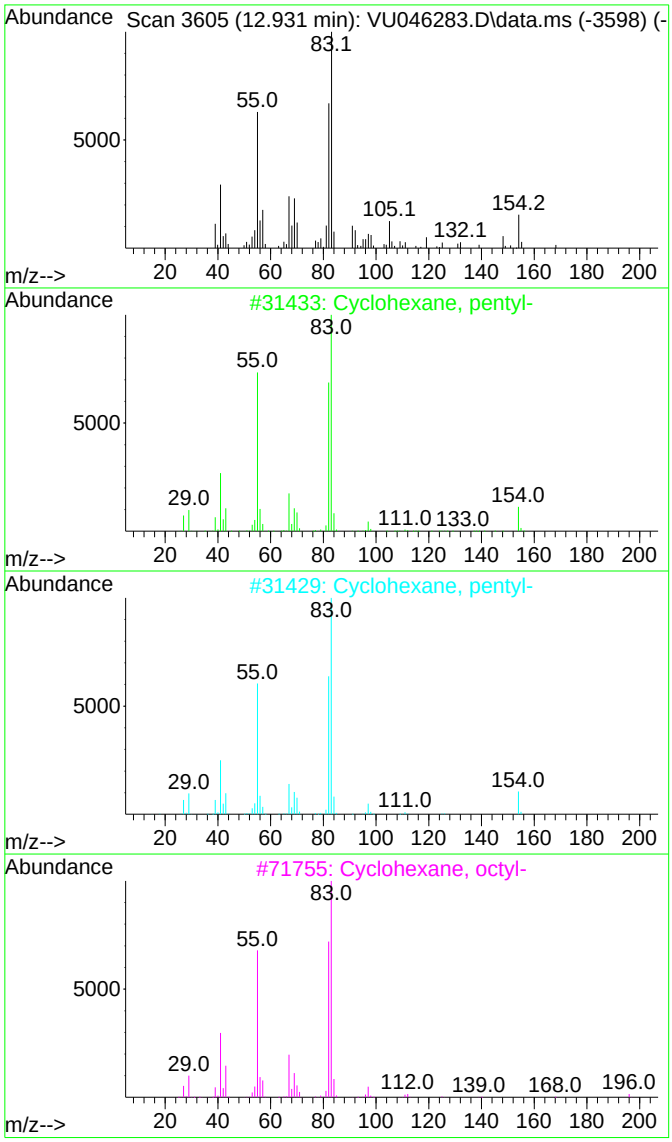
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
Quant Title : VOC Analysis

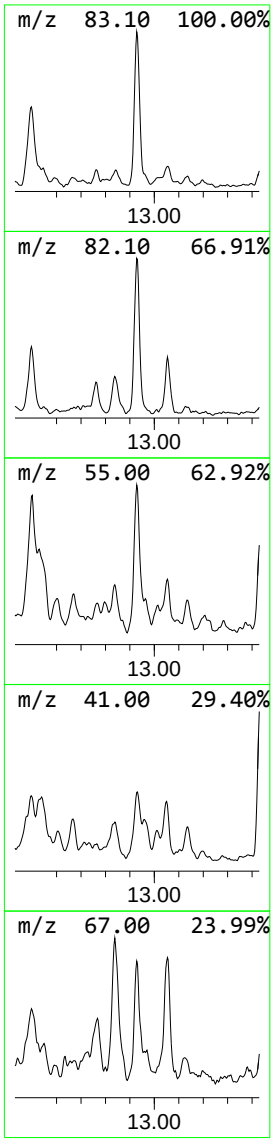
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 19 (DEL) Alkane: Cyclic12.931 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.931	6.33 ug/L	92081	1,4-Dichlorobenzene-d4	11.812

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, pentyl-	154	C11H22	004292-92-6	74
2	Cyclohexane, pentyl-	154	C11H22	004292-92-6	74
3	Cyclohexane, octyl-	196	C14H28	001795-15-9	64
4	Cyclohexane, hexyl-	168	C12H24	004292-75-5	64
5	Cyclohexane, undecyl-	238	C17H34	054105-66-7	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121121\
Data File : VU046283.D
Acq On : 11 Dec 2021 13:57
Operator : SY/MD
Sample : M4943-01DL 20X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BGKQ1DL

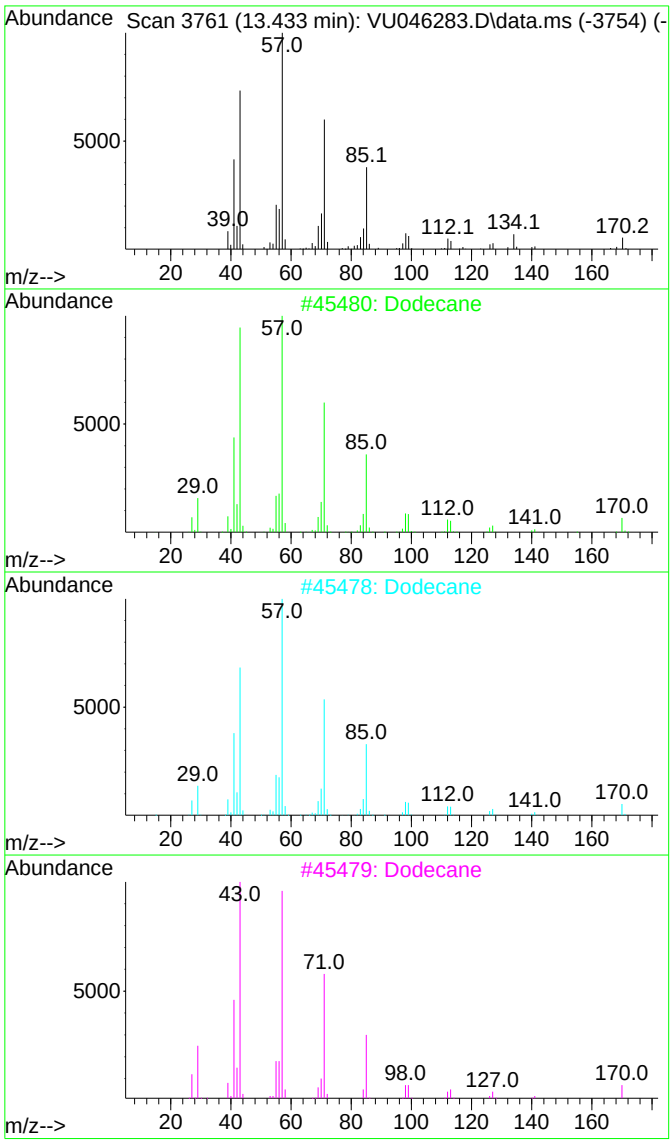
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
Quant Title : VOC Analysis

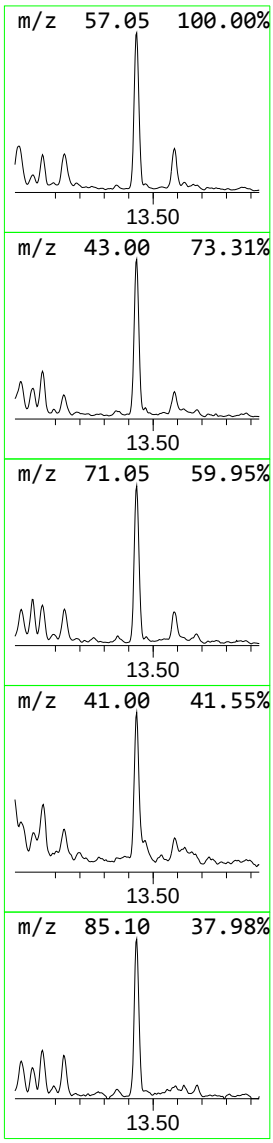
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 20 (DEL) Alkane: Straight-Chai... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.433	19.70 ug/L	286664	1,4-Dichlorobenzene-d4	11.812

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane	170	C12H26	000112-40-3	97
2	Dodecane	170	C12H26	000112-40-3	96
3	Dodecane	170	C12H26	000112-40-3	90
4	Dodecane	170	C12H26	000112-40-3	87
5	Carbonic acid, tetradecyl vinyl ...	284	C17H32O3	1000382-54-5	86





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121121\
Data File : VU046283.D
Acq On : 11 Dec 2021 13:57
Operator : SY/MD
Sample : M4943-01DL 20X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BGKQ1DL

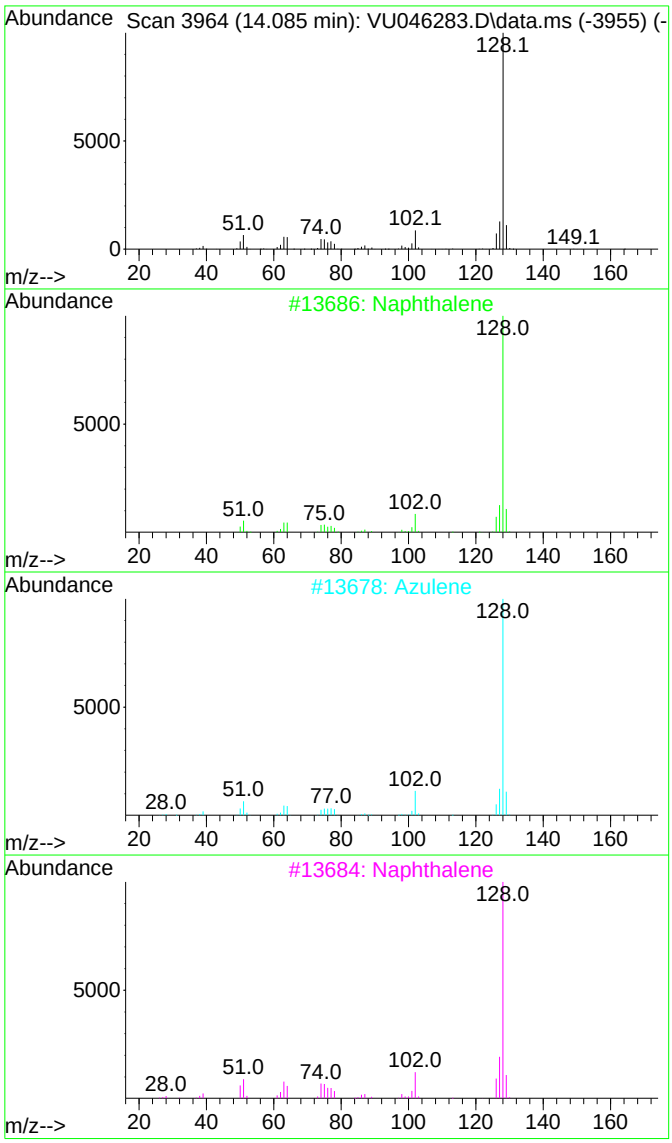
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
Quant Title : VOC Analysis

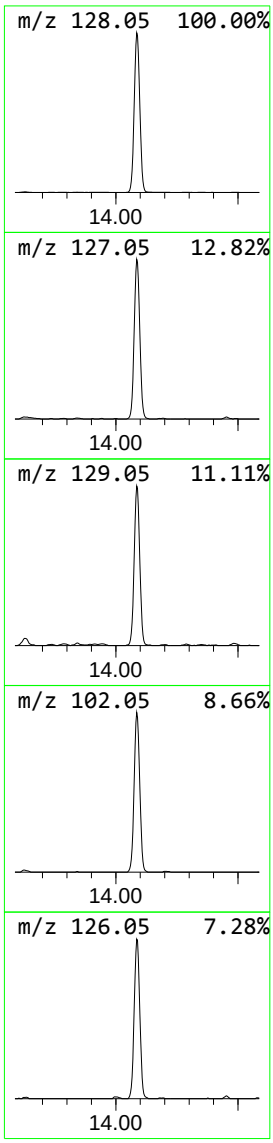
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 21 Azulene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.086	77.96 ug/L	1134480	1,4-Dichlorobenzene-d4	11.812

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene	128	C10H8	000091-20-3	95
2	Azulene	128	C10H8	000275-51-4	93
3	Naphthalene	128	C10H8	000091-20-3	91
4	Azulene	128	C10H8	000275-51-4	91
5	Azulene	128	C10H8	000275-51-4	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121121\
Data File : VU046283.D
Acq On : 11 Dec 2021 13:57
Operator : SY/MD
Sample : M4943-01DL 20X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BGKQ1DL

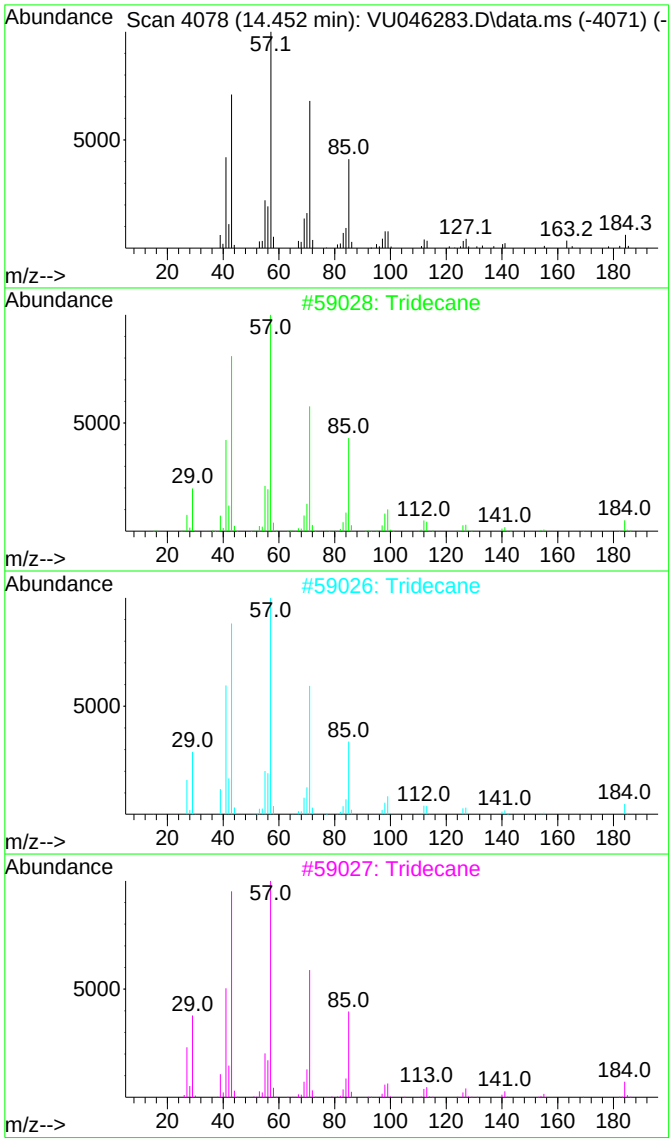
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
Quant Title : VOC Analysis

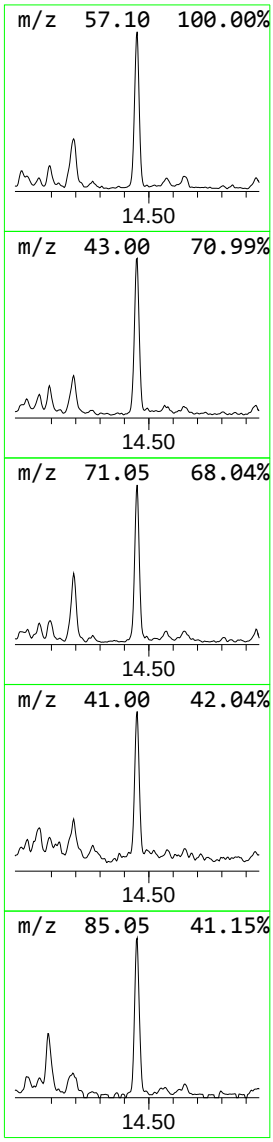
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 22 (DEL) Alkane: Straight-Chai... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.452	5.67 ug/L	82459	1,4-Dichlorobenzene-d4	11.812

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	96
2	Tridecane	184	C13H28	000629-50-5	94
3	Tridecane	184	C13H28	000629-50-5	93
4	Nonadecane	268	C19H40	000629-92-5	87
5	Dodecane	170	C12H26	000112-40-3	86





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121121\
Data File : VU046283.D
Acq On : 11 Dec 2021 13:57
Operator : SY/MD
Sample : M4943-01DL 20X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BGKQ1DL

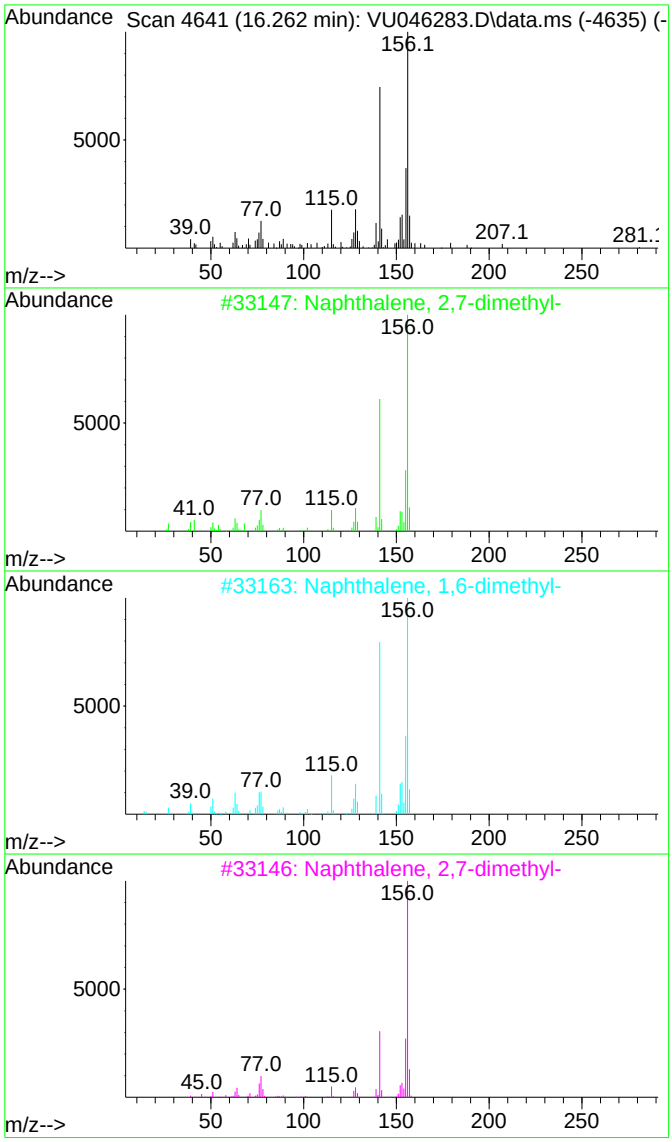
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
Quant Title : VOC Analysis

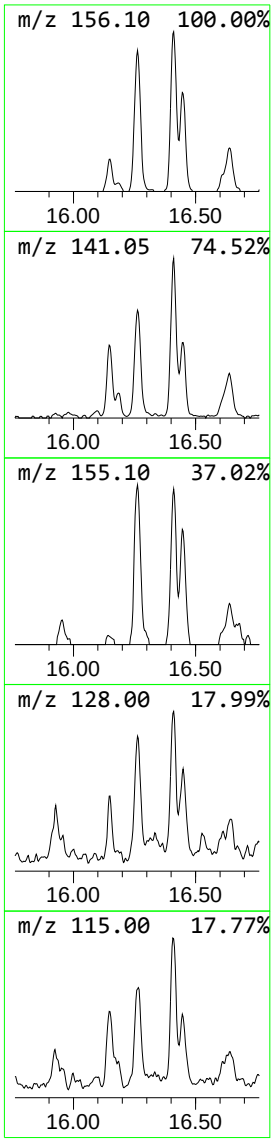
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 25 Naphthalene, 2,7-dimethyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.262	3.34 ug/L	48582	1,4-Dichlorobenzene-d4	11.812

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
4	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	94





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121121\
Data File : VU046283.D
Acq On : 11 Dec 2021 13:57
Operator : SY/MD
Sample : M4943-01DL 20X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BGKQ1DL

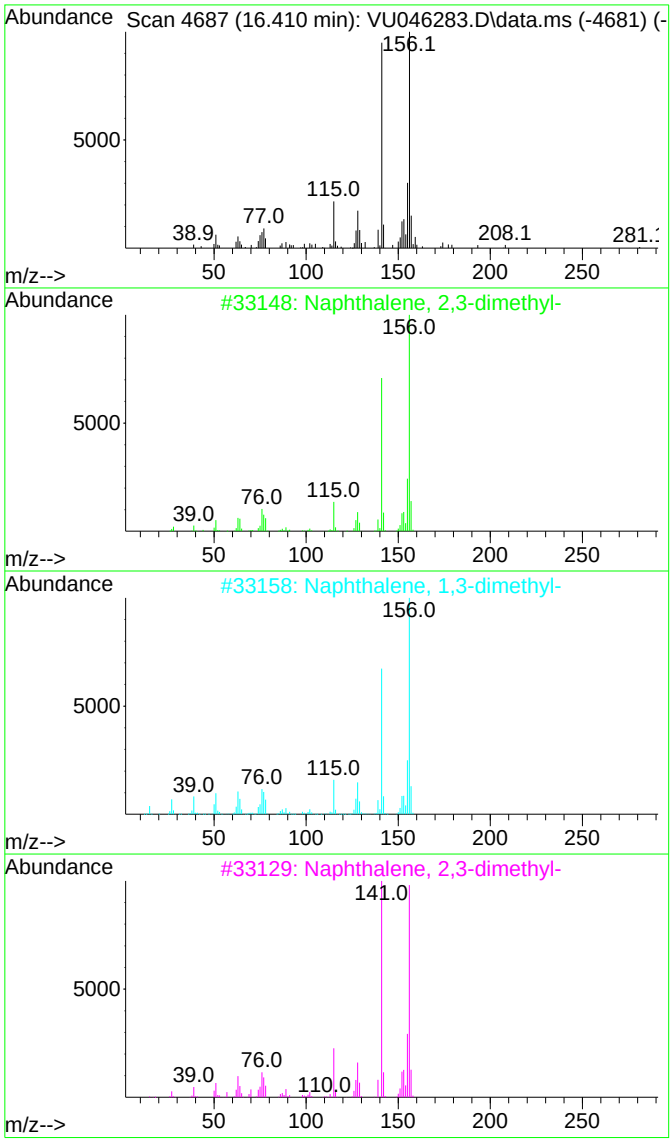
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
Quant Title : VOC Analysis

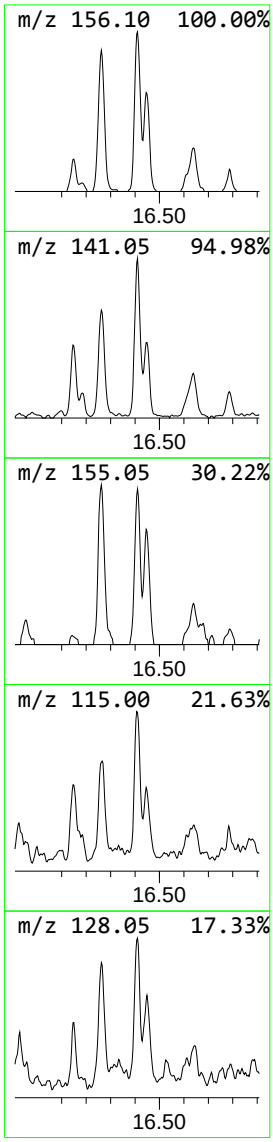
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 26 Naphthalene, 2,3-dimethyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.410	3.30 ug/L	48026	1,4-Dichlorobenzene-d4	11.812

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121121\
Data File : VU046283.D
Acq On : 11 Dec 2021 13:57
Operator : SY/MD
Sample : M4943-01DL 20X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BGKQ1DL

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
Quant Title : VOC Analysis

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

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
(DEL) Alkane: S...	9.214	5.1	ug/L	57778	2	9.420	566402	50.0
(DEL) Alkane: S...	9.336	5.4	ug/L	60745	2	9.420	566402	50.0
(DEL) Alkane: S...	10.021	10.2	ug/L	115196	2	9.420	566402	50.0
(DEL) Alkane: S...	10.253	19.4	ug/L	219777	2	9.420	566402	50.0
(DEL) Alkane: C...	10.356	8.8	ug/L	99146	2	9.420	566402	50.0
1-Octanol, 2-bu...	10.558	14.4	ug/L	162570	2	9.420	566402	50.0
Benzene, propyl-	10.906	5.3	ug/L	77261	3	11.812	727649	50.0
Benzene, 1-ethy...	10.999	26.1	ug/L	379925	3	11.812	727649	50.0
Benzene, 1-ethy...	11.295	19.8	ug/L	288136	3	11.812	727649	50.0
(DEL) Alkane: S...	11.378	5.3	ug/L	77910	3	11.812	727649	50.0
(DEL) Alkane: S...	11.417	16.6	ug/L	240783	3	11.812	727649	50.0
(DEL) Alkane: S...	11.574	6.5	ug/L	94572	3	11.812	727649	50.0
(DEL) Alkane: C...	11.709	13.1	ug/L	191192	3	11.812	727649	50.0
Benzene, 1,2-di...	12.098	9.2	ug/L	133515	3	11.812	727649	50.0
(DEL) Alkane: S...	12.327	44.1	ug/L	641762	3	11.812	727649	50.0
o-Cymene	12.471	4.8	ug/L	69811	3	11.812	727649	50.0
(DEL) Alkane: C...	12.931	6.3	ug/L	92081	3	11.812	727649	50.0
(DEL) Alkane: S...	13.433	19.7	ug/L	286664	3	11.812	727649	50.0
Azulene	14.086	78.0	ug/L	1134480	3	11.812	727649	50.0
(DEL) Alkane: S...	14.452	5.7	ug/L	82459	3	11.812	727649	50.0
Naphthalene, 2,...	16.262	3.3	ug/L	48582	3	11.812	727649	50.0
Naphthalene, 2,...	16.410	3.3	ug/L	48026	3	11.812	727649	50.0