LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV100920\
Data File : VV018796.D
Acq On : 09 Oct 2020 05:46
Operator : SY/MD
Sample : L4239-13 10X
Misc : 5.0mL/MSVOA V/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : BG3Q4

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

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

Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM100820WMA.M
Title : VOC Analysis

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.316	63	70	80	rVB	225846	221015	4.36%	0.486%
2	1.576	144	151	164	rVB	190467	214076	4.22%	0.471%
3	2.123	310	321	335	rBV	369297	564408	11.13%	1.241%
4	2.547	427	453	487	rVV	666720	1418581	27.96%	3.120%
5	2.779	508	525	552	rBV	1096653	2196461	43.30%	4.831%
6	2.971	572	585	596	rBV5	7678	16837	0.33%	0.037%
7	3.061	597	613	639	rBV	1760848	3474664	68.49%	7.642%
8	3.180	639	650	659	rBV3	13477	25805	0.51%	0.057%
9	3.245	661	670	679	rBV2	24667	46782	0.92%	0.103%
10	3.386	706	714	716	rBV3	12070	14772	0.29%	0.032%
11	3.479	733	743	754	rBV3	15839	30798	0.61%	0.068%
12	3.788	820	839	864	rBV	1997875	5073144	100.00%	11.158%
13	3.904	865	875	902	rVB	115579	323804	6.38%	0.712%
14	4.232	973	977	979	rBV4	874	578	0.01%	0.001%
15	4.373	1005	1021	1049	rBV	236749	590263	11.64%	1.298%
16	4.637	1086	1103	1112	rVV	88032	219505	4.33%	0.483%
17	4.705	1113	1124	1147	rVB2	243689	603615	11.90%	1.328%
18	4.933	1191	1195	1196	rBV3	1201	853	0.02%	0.002%
19	5.004	1213	1217	1220	rVB2	544	447	0.01%	0.001%
20	5.071	1220	1238	1265	rBV2	617485	1583072	31.20%	3.482%
21	5.254	1292	1295	1298	rBV3	593	464	0.01%	0.001%
22	5.518	1370	1377	1378	rBV3	1476	1138	0.02%	0.003%
23	5.640	1402	1415	1437	rBV	436740	864368	17.04%	1.901%
24	5.823	1463	1472	1481	rBV6	3741	7333	0.14%	0.016%
25	5.930	1493	1505	1523	rVB	29019	60671	1.20%	0.133%
26	6.093	1542	1556	1584	rBV	346961	700929	13.82%	1.542%
27	6.270	1608	1611	1615	rVB4	606	535	0.01%	0.001%
28	6.389	1642	1648	1650	rVB3	680	686	0.01%	0.002%
29	6.418	1654	1657	1661	rVB3	526	429	0.01%	0.001%
30	6.798	1768	1775	1778	rVV3	428	591	0.01%	0.001%
31	6.817	1778	1781	1788	rVB2	481	440	0.01%	0.001%
32	7.007	1828	1840	1859	rBV	176733	315844	6.23%	0.695%
33	7.167	1881	1890	1904	rBV3	6658	12643	0.25%	0.028%
34	7.338	1930	1943	1954	rBV	664793	1127959	22.23%	2.481%

LSC Area Percent Report

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Operator : SY/MD
Sample : L4239-13 10X
Misc : 5.0mL/MSVOA V/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : BG3Q4

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

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

Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM100820WMA.M
Title : VOC Analysis

35	7.409	1954	1965	1988	rVB	2214085	3743914	73.80%	8.234%
36	7.640	2027	2037	2056	rBV	128375	221865	4.37%	0.488%
37	7.801	2082	2087	2091	rVB4	938	981	0.02%	0.002%
38	7.949	2131	2133	2138	rBV2	583	454	0.01%	0.001%
39	8.000	2141	2149	2158	rBV4	6451	10683	0.21%	0.023%
40	8.042	2158	2162	2171	rVB7	1098	1542	0.03%	0.003%
41	8.106	2171	2182	2214	rBV	341569	633670	12.49%	1.394%
42	8.273	2232	2234	2235	rBV2	1010	500	0.01%	0.001%
43	8.470	2291	2295	2301	rBV2	879	970	0.02%	0.002%
44	8.531	2313	2314	2319	rVV3	498	432	0.01%	0.001%
45	8.872	2408	2420	2442	rBV	601505	998670	19.69%	2.196%
46	9.032	2459	2470	2486	rBV	212761	334600	6.60%	0.736%
47	9.158	2497	2509	2527	rBV	702652	1110945	21.90%	2.443%
48	9.563	2623	2635	2654	rBV	300076	473897	9.34%	1.042%
49	9.952	2744	2756	2772	rBV	130258	202073	3.98%	0.444%
50	10.048	2783	2786	2793	rBV3	571	669	0.01%	0.001%
51	10.158	2811	2820	2832	rBV4	4019	7333	0.14%	0.016%
52	10.238	2832	2845	2862	rBV	358712	568076	11.20%	1.249%
53	10.373	2876	2887	2905	rBV	450548	686109	13.52%	1.509%
54	10.466	2905	2916	2935	rVV	1783884	3711377	73.16%	8.163%
55	10.560	2935	2945	2965	rVB	767147	1143974	22.55%	2.516%
56	10.714	2981	2993	3000	rBV	892434	1321555	26.05%	2.907%
57	10.759	3000	3007	3034	rVB	754436	1153191	22.73%	2.536%
58	10.936	3049	3062	3080	rBV	2629201	3880767	76.50%	8.535%
59	11.039	3087	3094	3103	rBV2	17758	26316	0.52%	0.058%
60	11.209	3136	3147	3155	rBV4	32813	55499	1.09%	0.122%
61	11.270	3155	3166	3182	rVV	689753	1107594	21.83%	2.436%
62	11.357	3182	3193	3210	rVB	681796	1022305	20.15%	2.248%
63	11.463	3221	3226	3227	rBV3	2359	1732	0.03%	0.004%
64	11.505	3234	3239	3243	rBV2	4035	3839	0.08%	0.008%
65	11.550	3243	3253	3263	rBV	168142	291338	5.74%	0.641%
66	11.646	3273	3283	3304	rVB	830368	1413814	27.87%	3.110%
67	11.765	3311	3320	3334	rVB7	8026	11822	0.23%	0.026%
68	11.842	3334	3344	3360	rVB	22741	35164	0.69%	0.077%
69	11.932	3362	3372	3377	rBV2	52987	81603	1.61%	0.179%
70	12.039	3395	3405	3423	rVB	85780	139463	2.75%	0.307%
71	12.142	3428	3437	3440	rBV2	11412	17482	0.34%	0.038%

LSC Area Percent Report

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Misc : 5.0mL/MSVOA V/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : BG3Q4

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

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

Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM100820WMA.M
Title : VOC Analysis

72	12.264	3468	3475	3476	rBV5	2737	2982	0.06%	0.007%
73	12.338	3490	3498	3509	rVB	29505	44393	0.88%	0.098%
74	12.434	3519	3528	3536	rVV	54149	81689	1.61%	0.180%
75	12.486	3536	3544	3558	rVB	76394	120768	2.38%	0.266%
76	12.572	3564	3571	3576	rBV7	2144	2847	0.06%	0.006%
77	12.608	3577	3582	3587	rVV6	1976	2479	0.05%	0.005%
78	12.637	3588	3591	3596	rVB4	1940	1960	0.04%	0.004%
79	12.746	3615	3625	3640	rVB	32131	50499	1.00%	0.111%
80	12.810	3640	3645	3649	rBV4	981	1047	0.02%	0.002%
81	12.904	3655	3674	3691	rBV3	86532	144765	2.85%	0.318%
82	13.074	3719	3727	3737	rVB8	3803	6933	0.14%	0.015%
83	13.122	3737	3742	3745	rBV4	1012	1000	0.02%	0.002%
84	13.235	3772	3777	3781	rBV3	440	486	0.01%	0.001%
85	13.283	3781	3792	3811	rBV	246858	391051	7.71%	0.860%
86	13.424	3830	3836	3841	rVV4	2599	2699	0.05%	0.006%
87	13.469	3841	3850	3858	rVV3	11470	18706	0.37%	0.041%
88	13.524	3858	3867	3882	rVV	156536	246297	4.85%	0.542%
89	13.604	3885	3892	3902	rVV3	11840	17623	0.35%	0.039%
90	13.765	3927	3942	3958	rVB2	111429	179140	3.53%	0.394%
91	13.842	3958	3966	3979	rBV6	1577	3036	0.06%	0.007%
92	13.932	3987	3994	4001	rBV5	2028	2474	0.05%	0.005%
93	14.000	4007	4015	4017	rBV4	1609	1854	0.04%	0.004%
94	14.119	4049	4052	4065	rVB5	1326	1584	0.03%	0.003%
95	14.254	4091	4094	4104	rVB5	1299	1889	0.04%	0.004%
96	14.428	4145	4148	4152	rVB3	542	448	0.01%	0.001%
97	14.662	4213	4221	4230	rBV3	4182	6642	0.13%	0.015%
98	14.746	4242	4247	4252	rVB4	534	681	0.01%	0.001%
99	14.801	4259	4264	4267	rBV2	505	505	0.01%	0.001%
100	16.022	4642	4644	4648	rVB4	955	636	0.01%	0.001%

Sum of corrected areas: 45466841

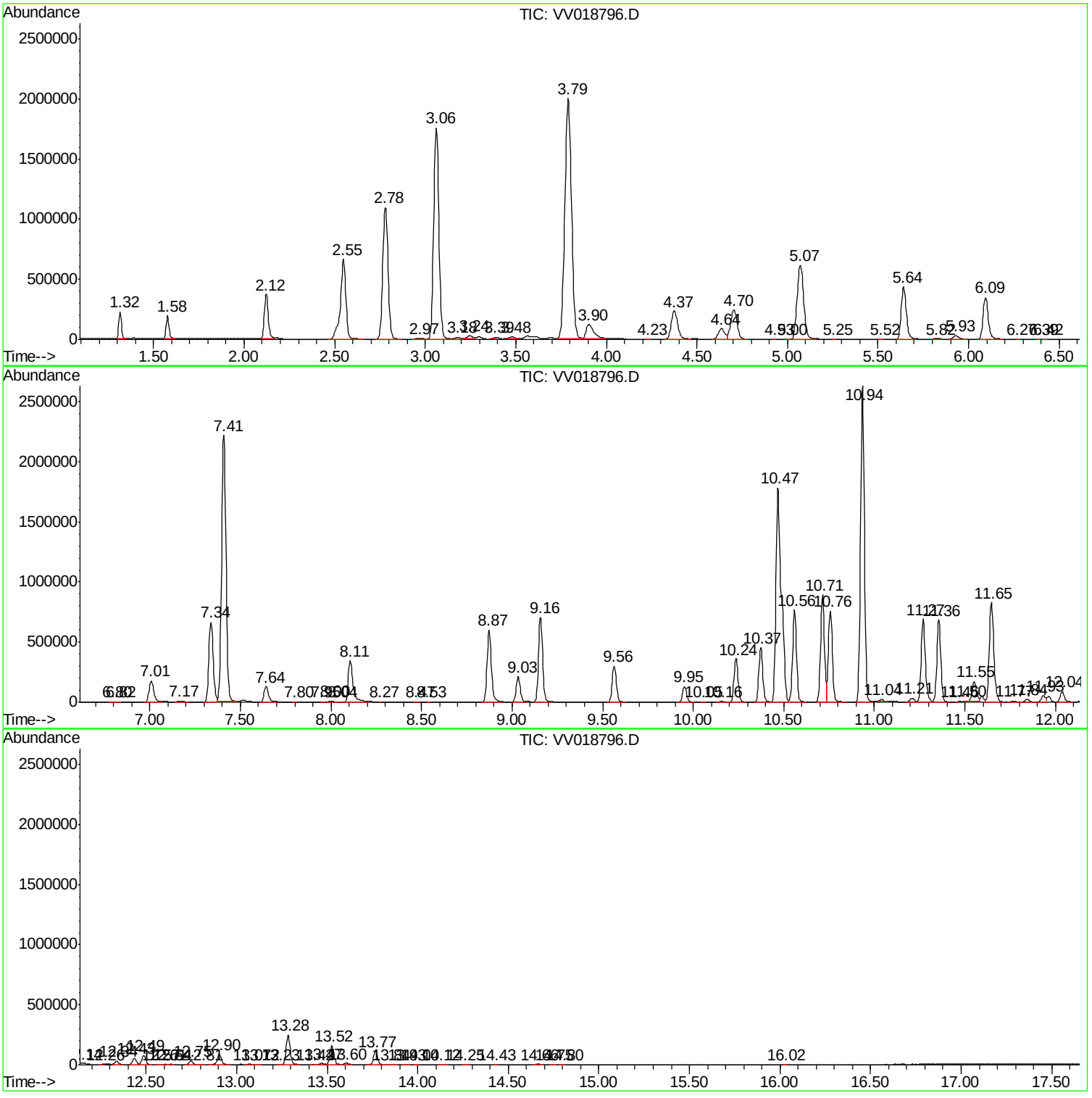
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV100920\
Data File : VV018796.D
Acq On : 09 Oct 2020 05:46
Operator : SY/MD
Sample : L4239-13 10X
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : BG3Q4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM100820WMA.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV100920\
Data File : VV018796.D
Acq On : 09 Oct 2020 05:46
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Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : BG3Q4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM100820WMA.M
Quant Title : VOC Analysis

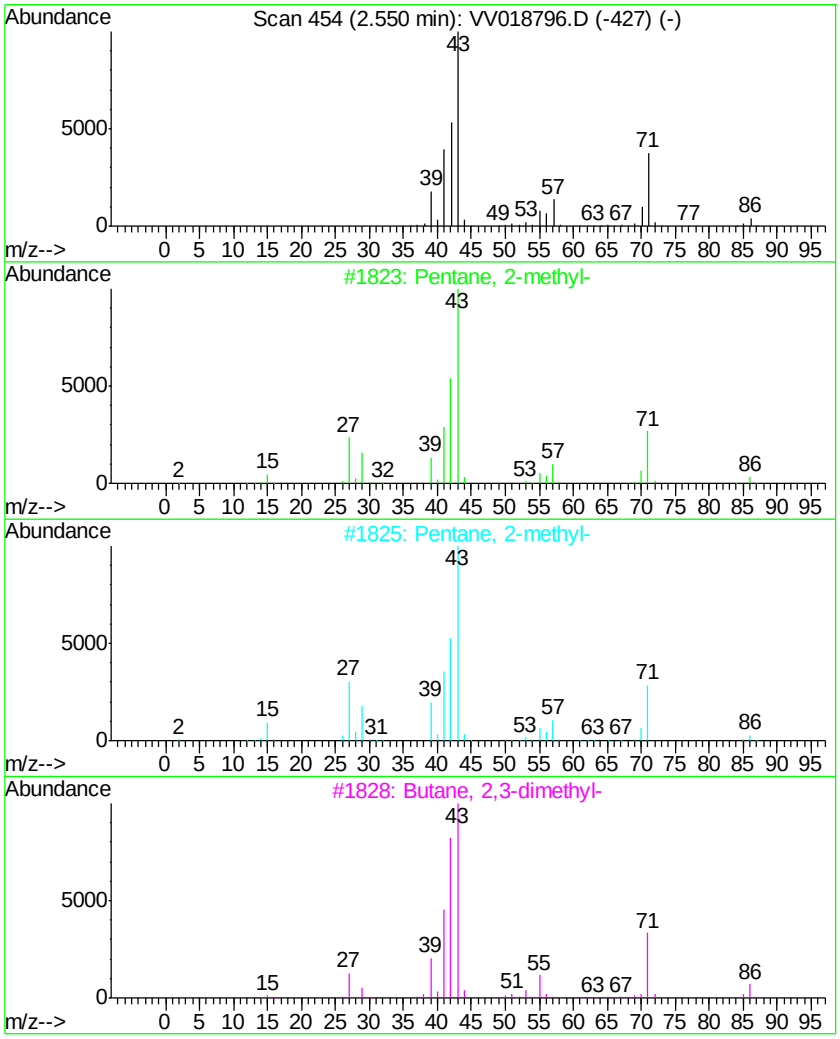
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

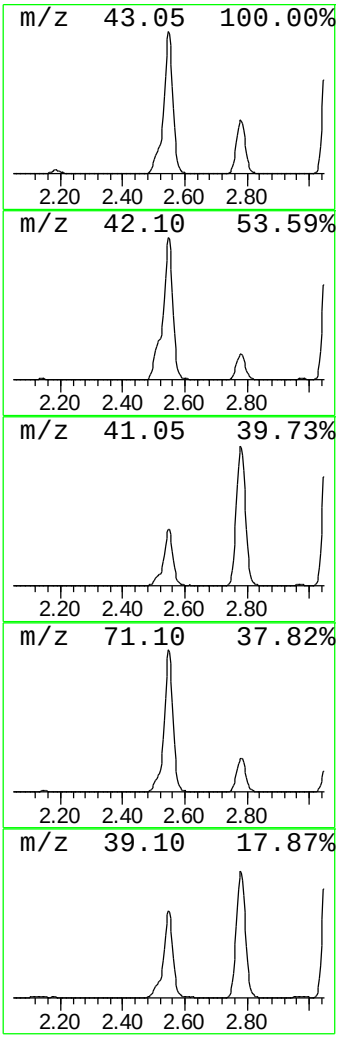
****

Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.55	82.06 ug/L	1418580	1,4-Difluorobenzene	5.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2-methyl-	86	C6H14	000107-83-5	91
2	Pentane, 2-methyl-	86	C6H14	000107-83-5	91
3	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	72
4	Pentane	72	C5H12	000109-66-0	40
5	Sulfurous acid, hexyl pentyl ester	236	C11H24O3S	1000309-14-1	40





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV100920\
Data File : VV018796.D
Acq On : 09 Oct 2020 05:46
Operator : SY/MD
Sample : L4239-13 10X
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : BG3Q4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM100820WMA.M
Quant Title : VOC Analysis

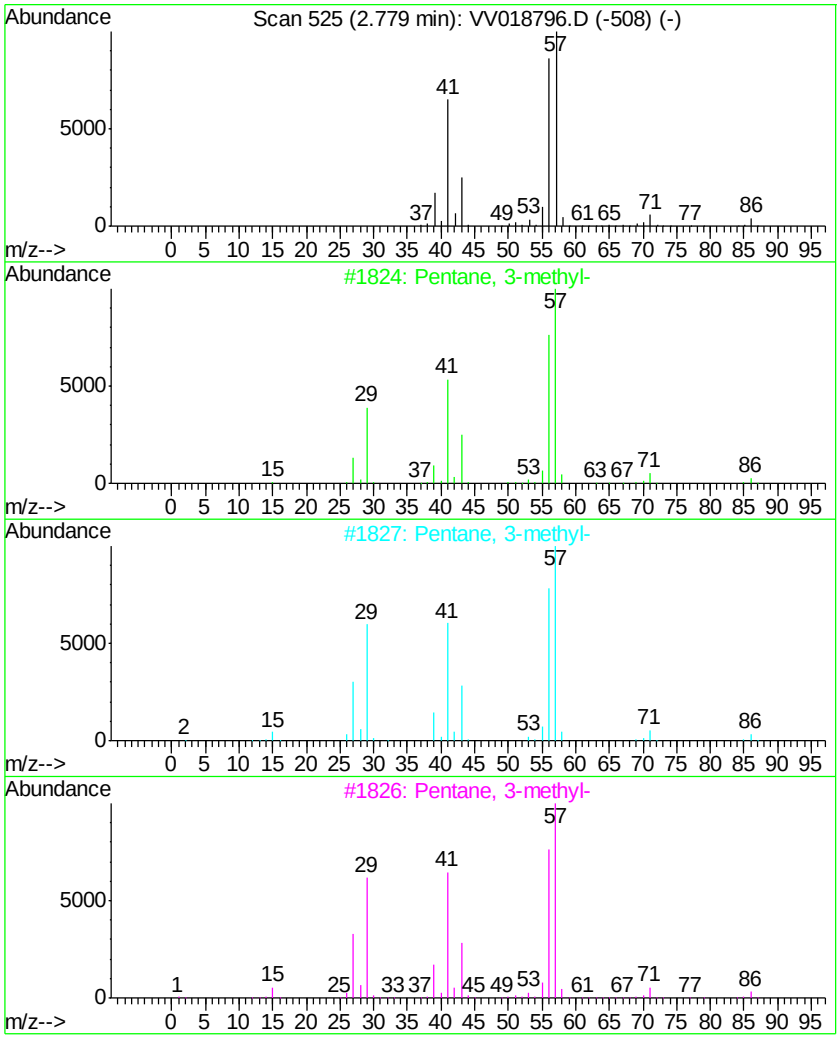
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

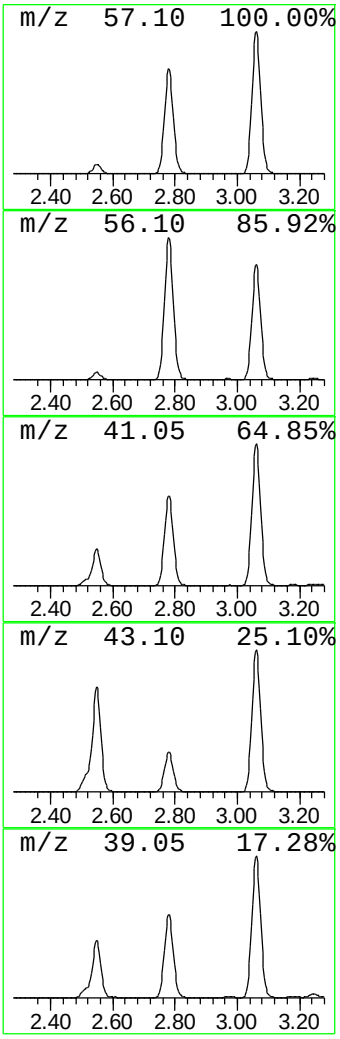
****

Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.78	127.06 ug/L	2196460	1,4-Difluorobenzene	5.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 3-methyl-	86	C6H14	000096-14-0	91
2	Pentane, 3-methyl-	86	C6H14	000096-14-0	91
3	Pentane, 3-methyl-	86	C6H14	000096-14-0	91
4	Hexane, 2,2,3-trimethyl-	128	C9H20	016747-25-4	78
5	Hexane, 2,2,3-trimethyl-	128	C9H20	016747-25-4	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV100920\
Data File : VV018796.D
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Sample : L4239-13 10X
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : BG3Q4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM100820WMA.M
Quant Title : VOC Analysis

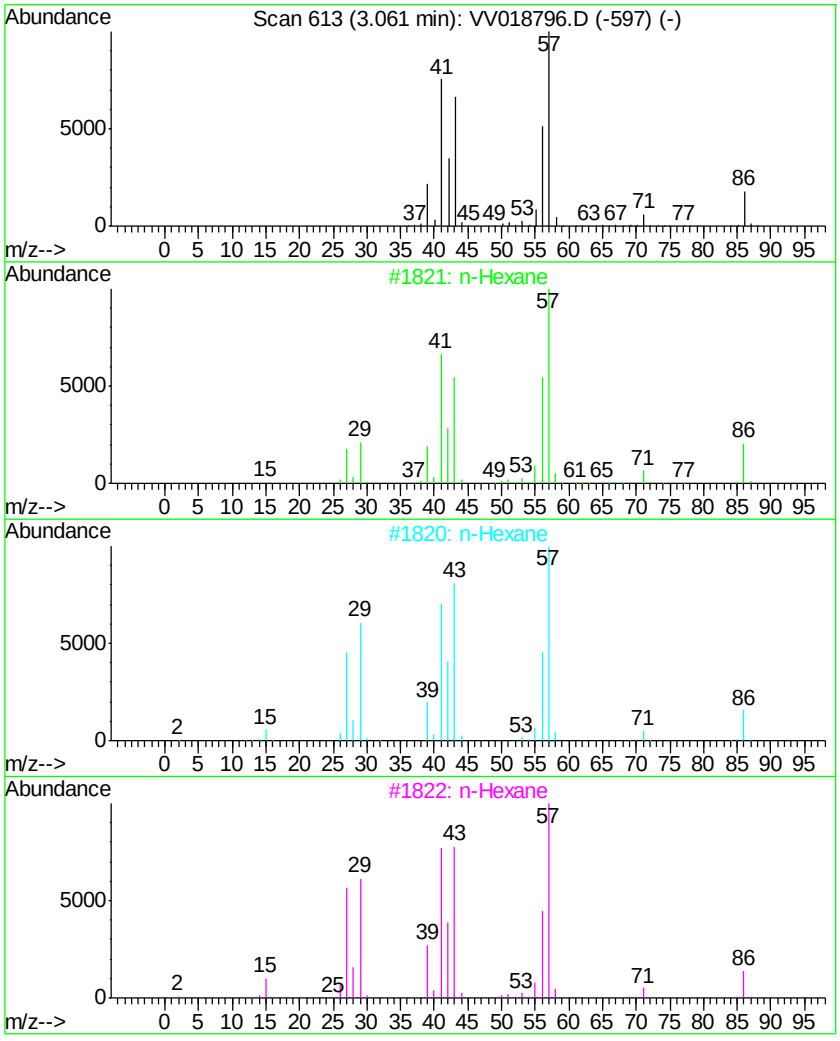
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

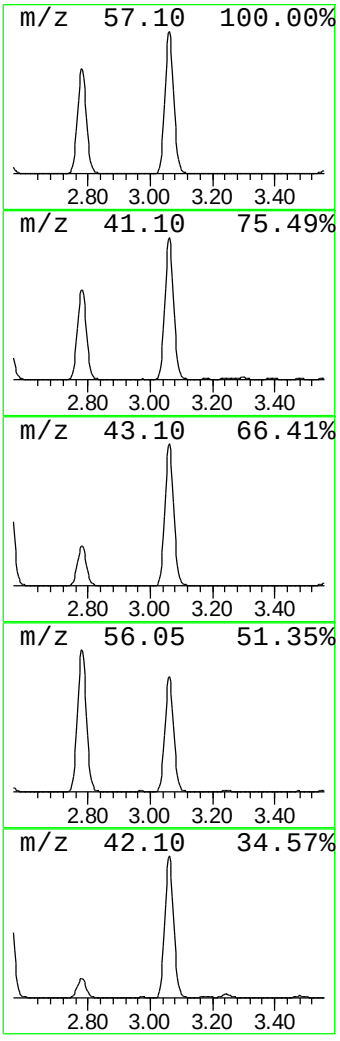
****

Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.06	200.99 ug/L	3474660	1,4-Difluorobenzene	5.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexane	86	C6H14	000110-54-3	94
2	n-Hexane	86	C6H14	000110-54-3	91
3	n-Hexane	86	C6H14	000110-54-3	83
4	Pentane, 2,2,3,4-tetramethyl-	128	C9H20	001186-53-4	40
5	Pentane, 2,2,3,4-tetramethyl-	128	C9H20	001186-53-4	38





Library Search Compound Report

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Data File : VV018796.D
Acq On : 09 Oct 2020 05:46
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Sample : L4239-13 10X
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : BG3Q4

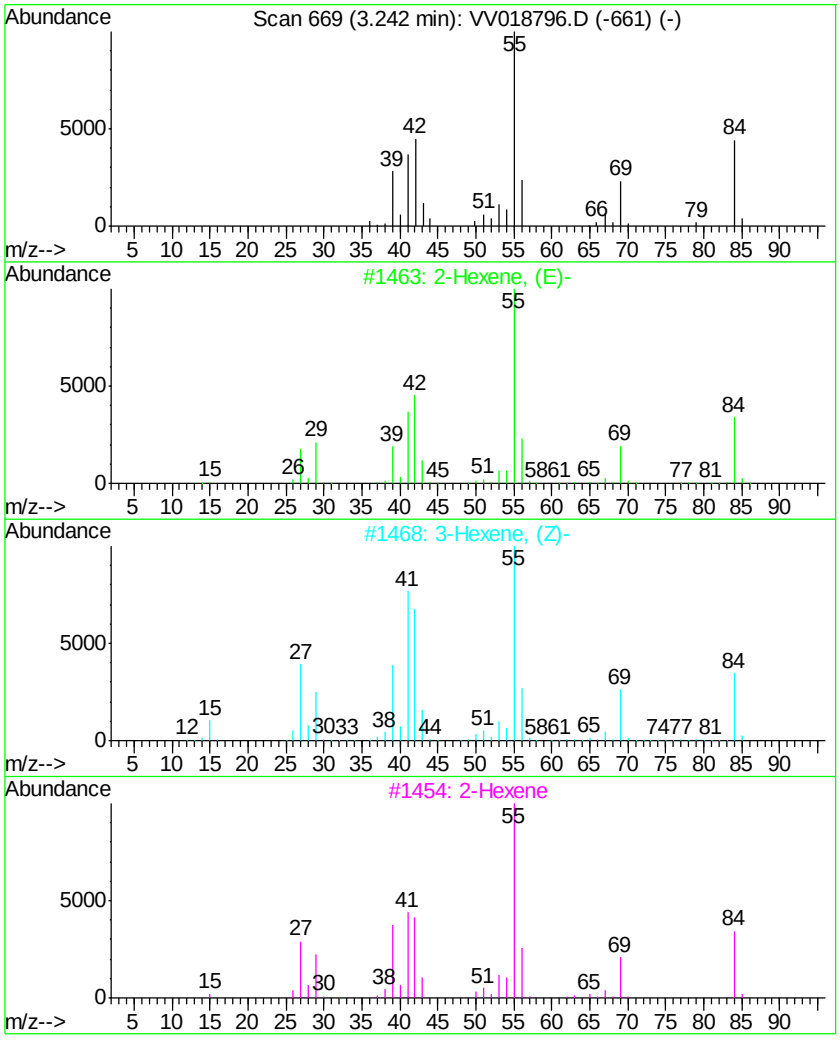
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM100820WMA.M
Quant Title : VOC Analysis

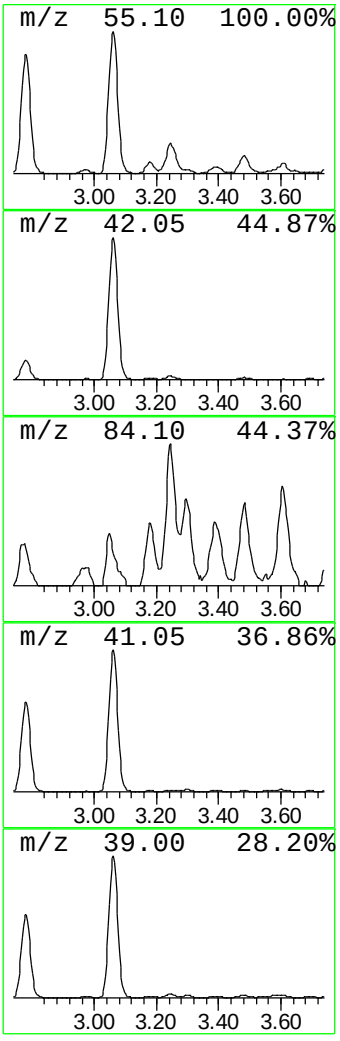
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.24	2.71 ug/L	46782	1,4-Difluorobenzene	5.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hexene, (E)-	84	C6H12	004050-45-7	91
2	3-Hexene, (Z)-	84	C6H12	007642-09-3	91
3	2-Hexene	84	C6H12	000592-43-8	91
4	3-Hexene	84	C6H12	000592-47-2	91
5	2-Hexene, (E)-	84	C6H12	004050-45-7	90





Library Search Compound Report

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Sample : L4239-13 10X
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : BG3Q4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM100820WMA.M
Quant Title : VOC Analysis

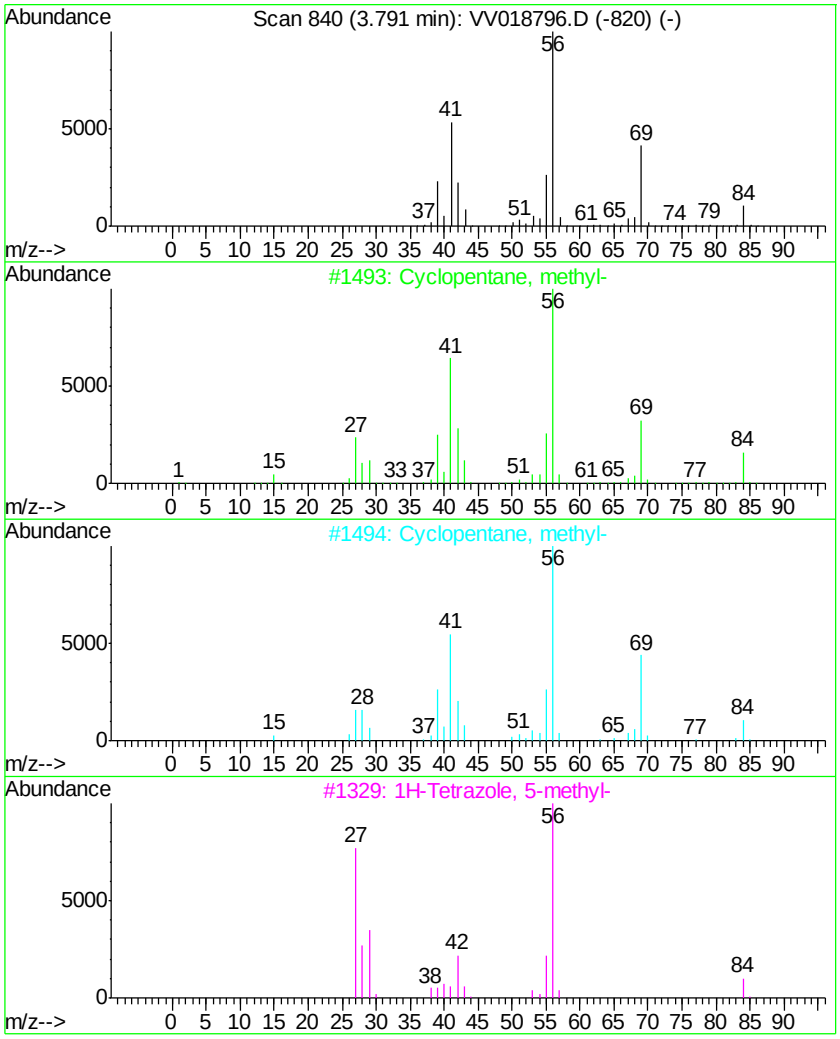
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

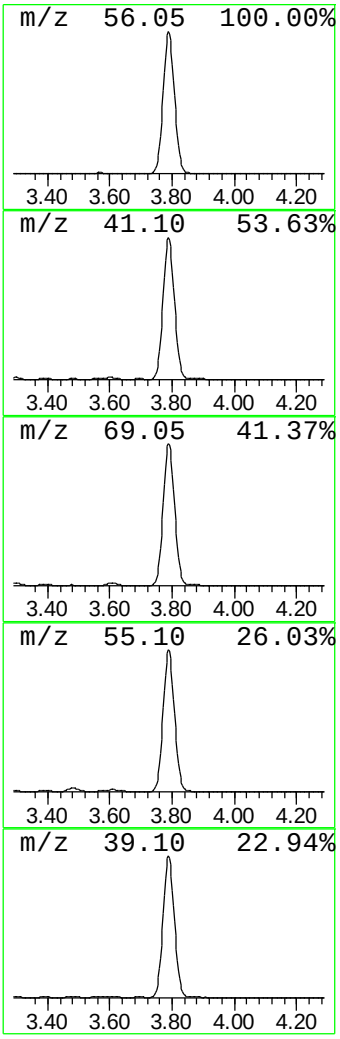
****

Peak Number 5 (DEL) Alkane: Cyclic3.79 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.79	293.46 ug/L	5073140	1,4-Difluorobenzene	5.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	91
2	Cyclopentane, methyl-	84	C6H12	000096-37-7	90
3	1H-Tetrazole, 5-methyl-	84	C2H4N4	004076-36-2	80
4	Cyclopentane, methyl-	84	C6H12	000096-37-7	78
5	Cyclobutane, ethyl-	84	C6H12	004806-61-5	72





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV100920\
Data File : VV018796.D
Acq On : 09 Oct 2020 05:46
Operator : SY/MD
Sample : L4239-13 10X
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : BG3Q4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM100820WMA.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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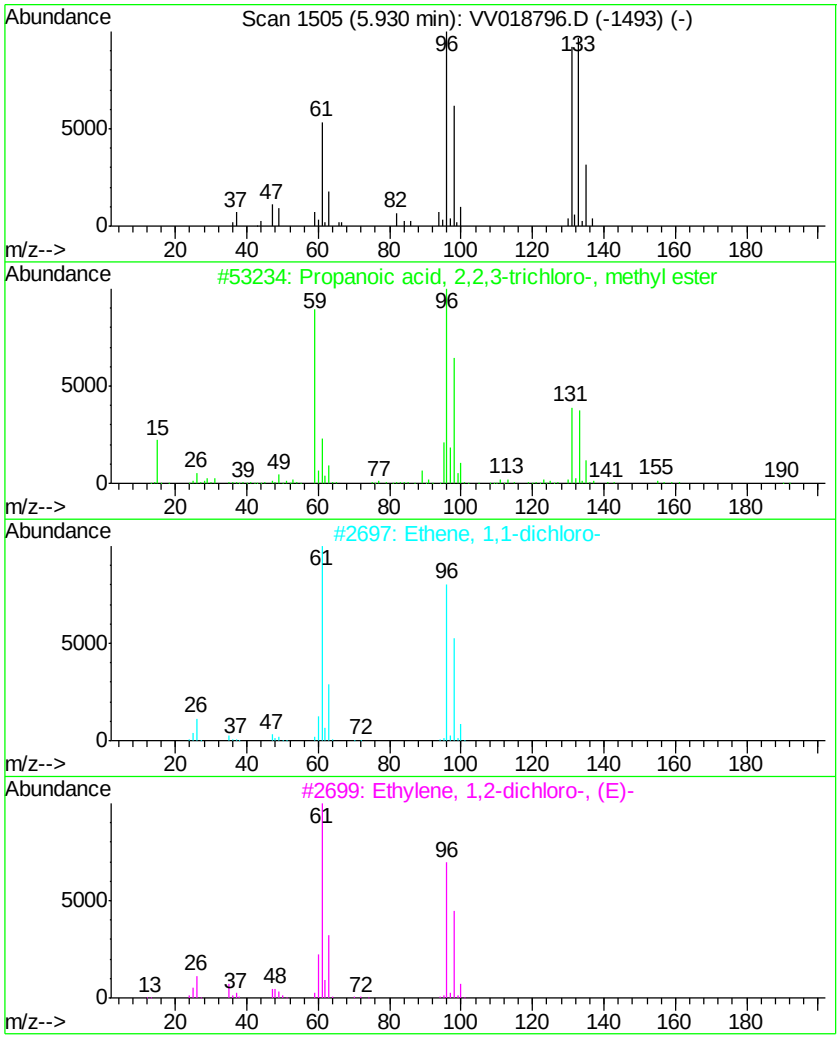
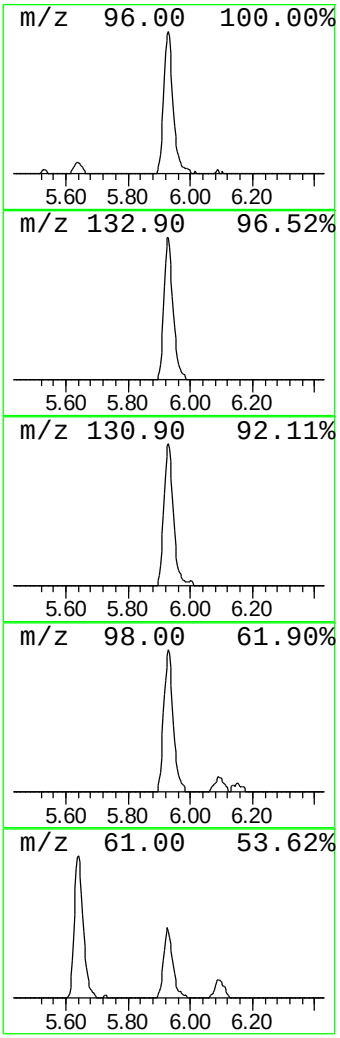
Peak Number 6 unknown-01 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.93	3.51 ug/L	60671	1,4-Difluorobenzene	5.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propanoic acid, 2,2,3-trichloro-...	190	C4H5Cl3O2	004749-35-3	39
2	Ethene, 1,1-dichloro-	96	C2H2Cl2	000075-35-4	38
3	Ethylene, 1,2-dichloro-, (E)-	96	C2H2Cl2	000156-60-5	38
4	Ethylene, 1,2-dichloro-, (Z)-	96	C2H2Cl2	000156-59-2	38
5	1,2-Dichloroethylene	96	C2H2Cl2	000540-59-0	38





Library Search Compound Report

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Data File : VV018796.D
Acq On : 09 Oct 2020 05:46
Operator : SY/MD
Sample : L4239-13 10X
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : BG3Q4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM100820WMA.M
Quant Title : VOC Analysis

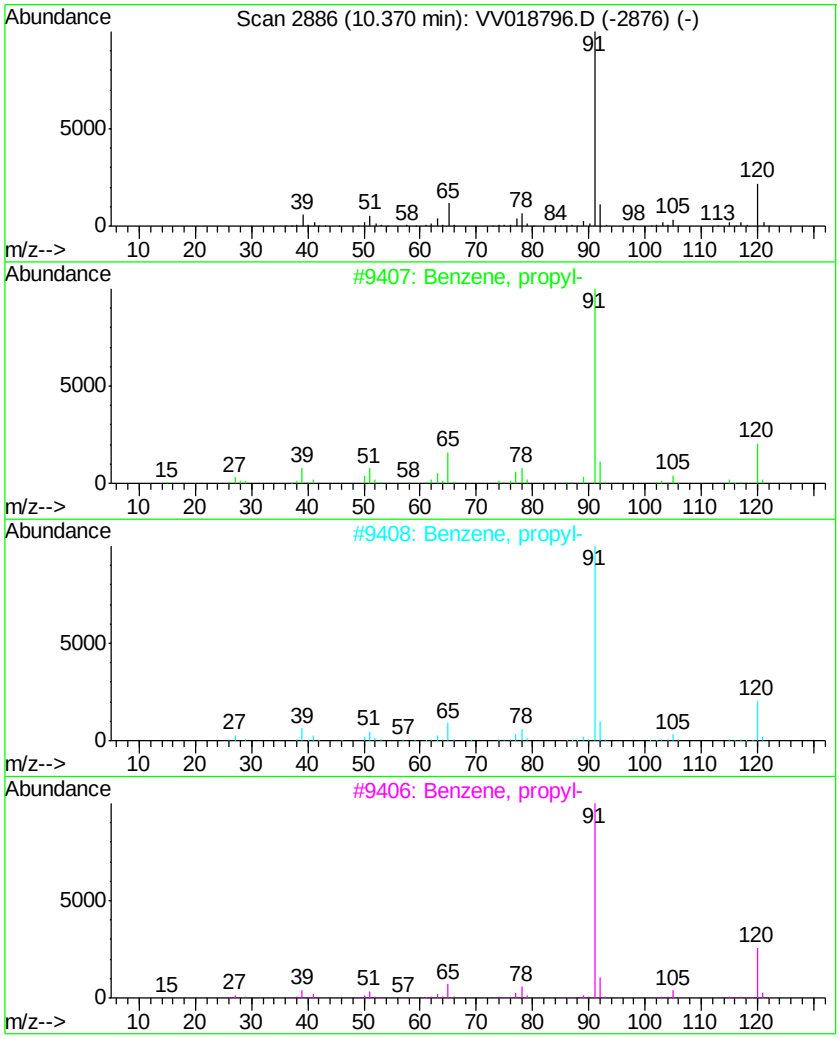
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

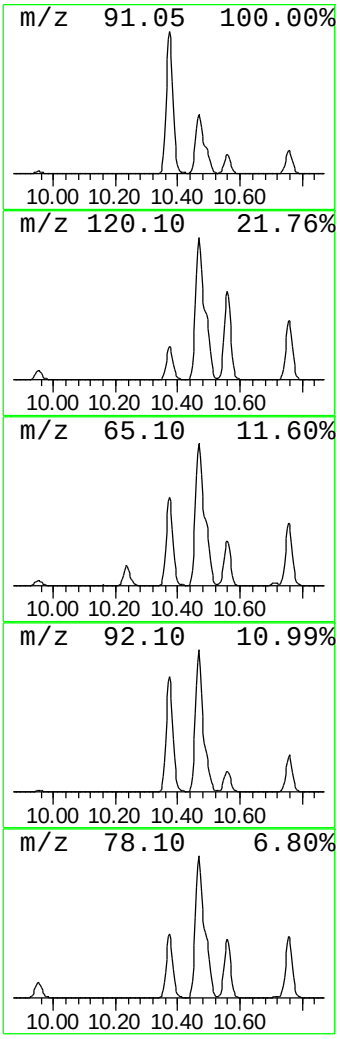
****

Peak Number 8 Benzene, propyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.37	30.97 ug/L	686109	1,4-Dichlorobenzene-d4	11.27

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	N-Benzyl-2-phenethylamine	211	C15H17N	003647-71-0	83
5	Phenethylamine, N-benzyl-p-chloro-	245	C15H16ClN	013622-43-0	78





Library Search Compound Report

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Data File : VV018796.D
Acq On : 09 Oct 2020 05:46
Operator : SY/MD
Sample : L4239-13 10X
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : BG3Q4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM100820WMA.M
Quant Title : VOC Analysis

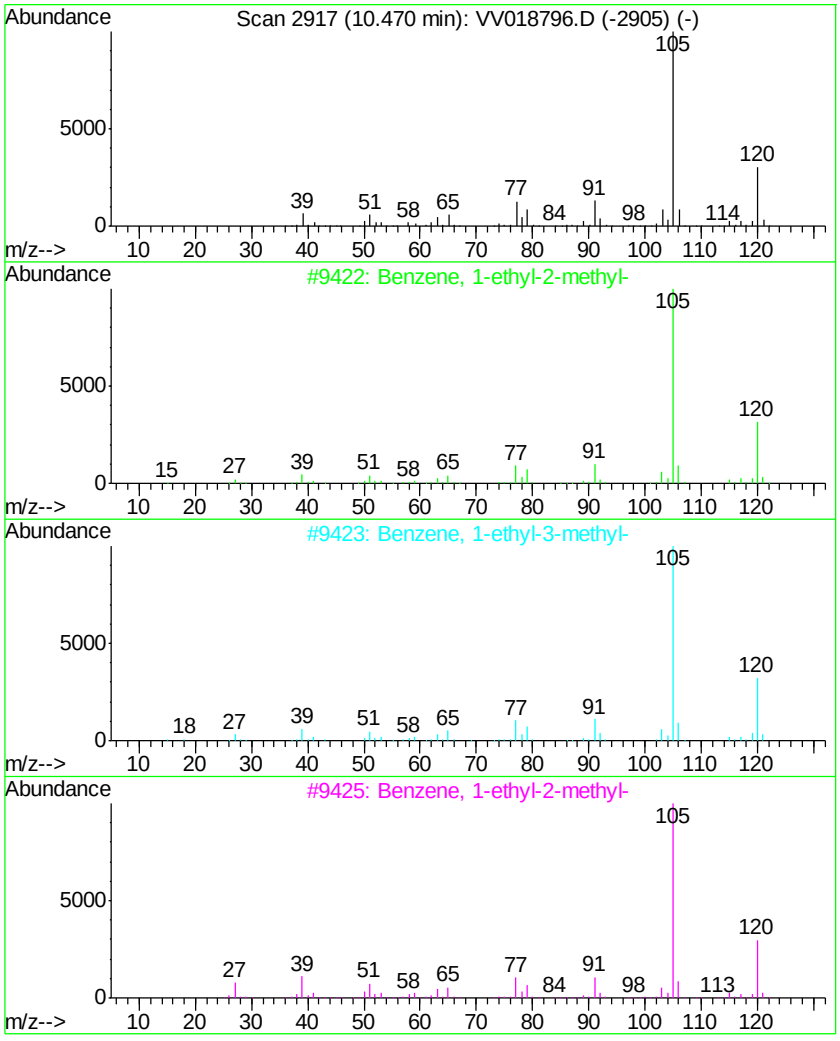
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

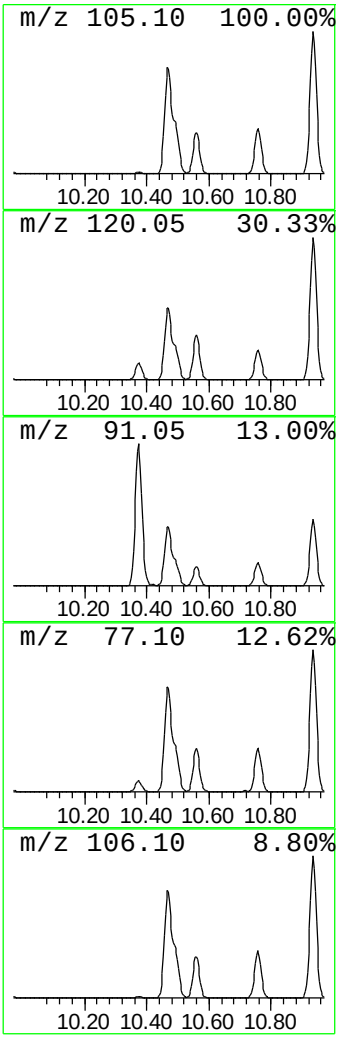
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.47	167.54 ug/L	3711380	1,4-Dichlorobenzene-d4	11.27

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	95
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91





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Data File : VV018796.D
Acq On : 09 Oct 2020 05:46
Operator : SY/MD
Sample : L4239-13 10X
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : BG3Q4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM100820WMA.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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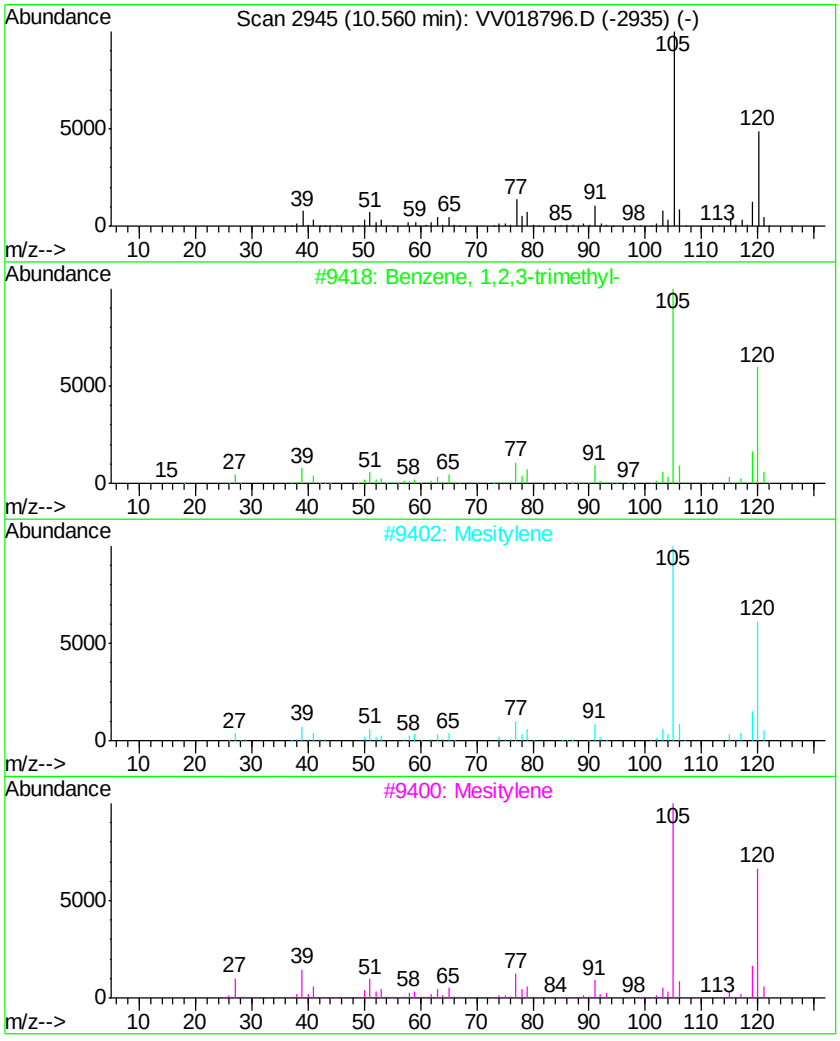
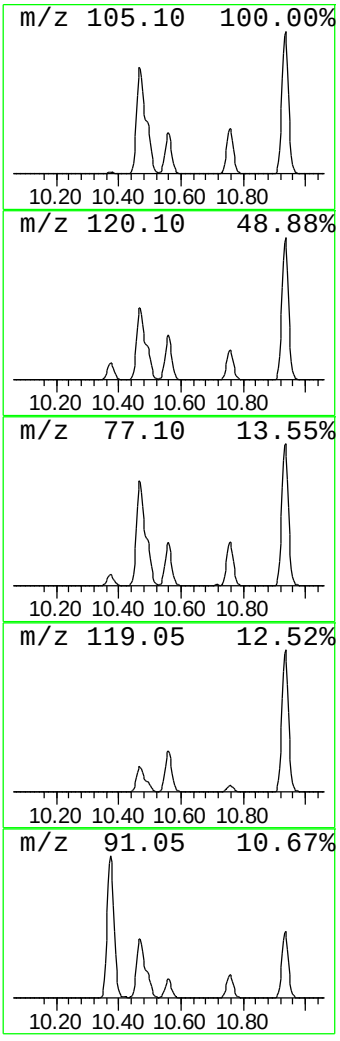
Peak Number 10 Benzene, 1,2,3-trimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.56	51.64 ug/L	1143970	1,4-Dichlorobenzene-d4	11.27

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





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Acq On : 09 Oct 2020 05:46
Operator : SY/MD
Sample : L4239-13 10X
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : BG3Q4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM100820WMA.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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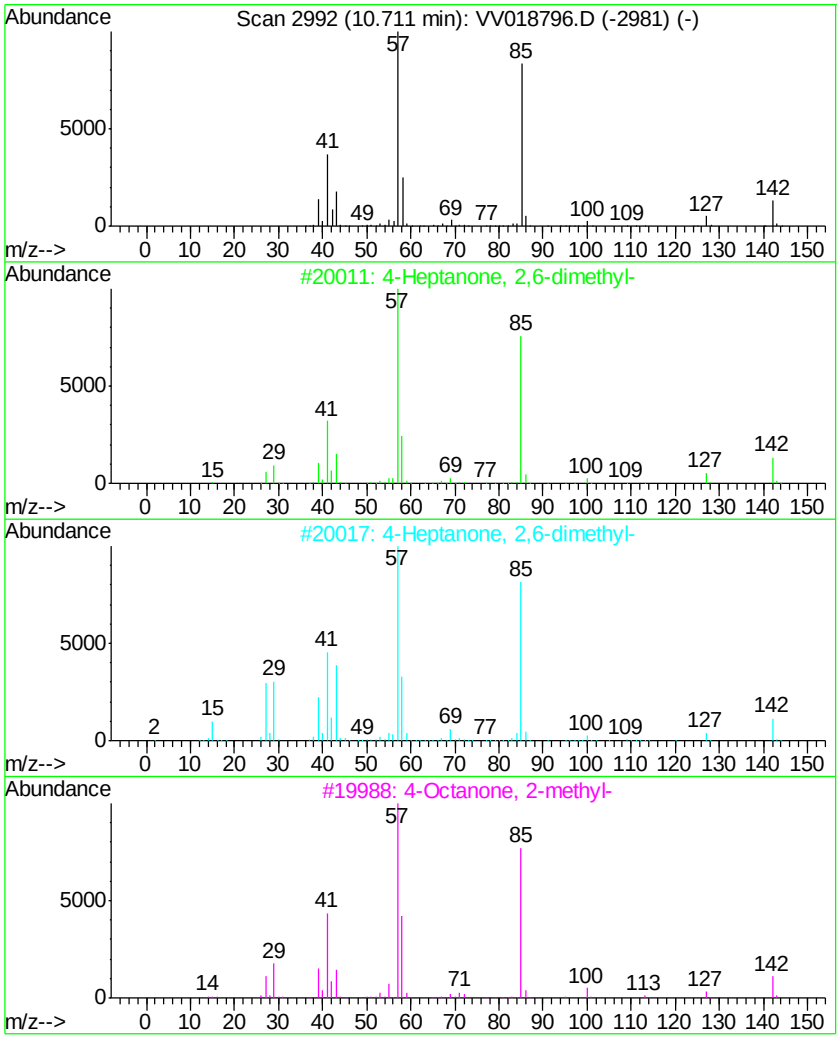
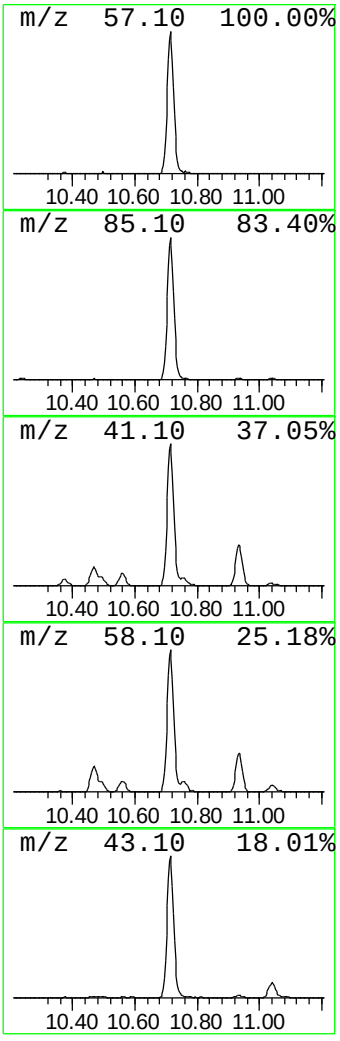
Peak Number 11 4-Heptanone, 2,6-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.71	59.66 ug/L	1321560	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Heptanone, 2,6-dimethyl-	142	C9H18O	000108-83-8	94
2	4-Heptanone, 2,6-dimethyl-	142	C9H18O	000108-83-8	91
3	4-Octanone, 2-methyl-	142	C9H18O	007492-38-8	64
4	5-Nonanone	142	C9H18O	000502-56-7	59
5	5-Nonanone	142	C9H18O	000502-56-7	59





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Operator : SY/MD
Sample : L4239-13 10X
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : BG3Q4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM100820WMA.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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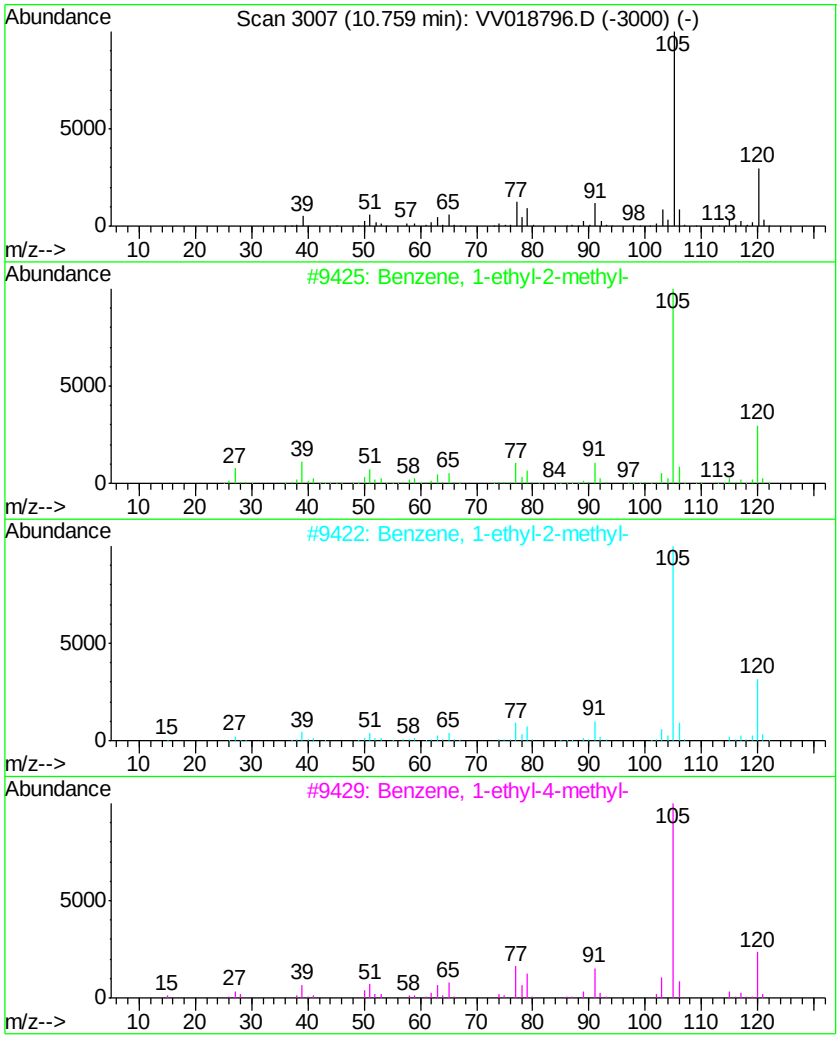
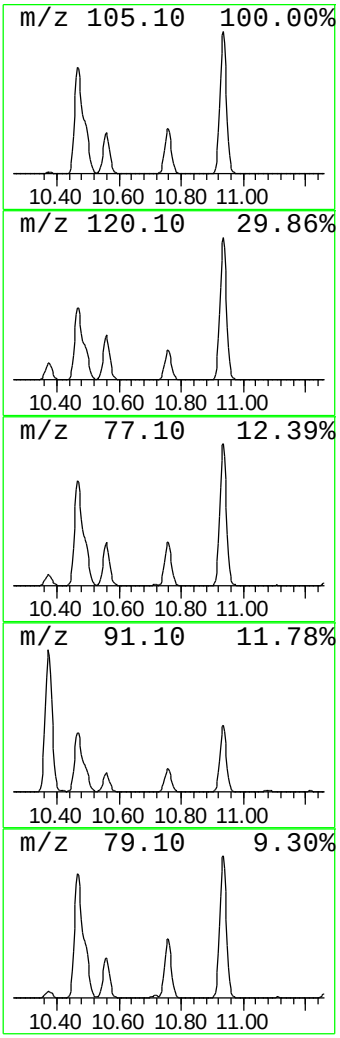
Peak Number 12 Benzene, 1-ethyl-4-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.76	52.06 ug/L	1153190	1,4-Dichlorobenzene-d4	11.27

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	94
3	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	94
4	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
5	Mesitylene	120	C9H12	000108-67-8	91





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Operator : SY/MD
Sample : L4239-13 10X
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : BG3Q4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM100820WMA.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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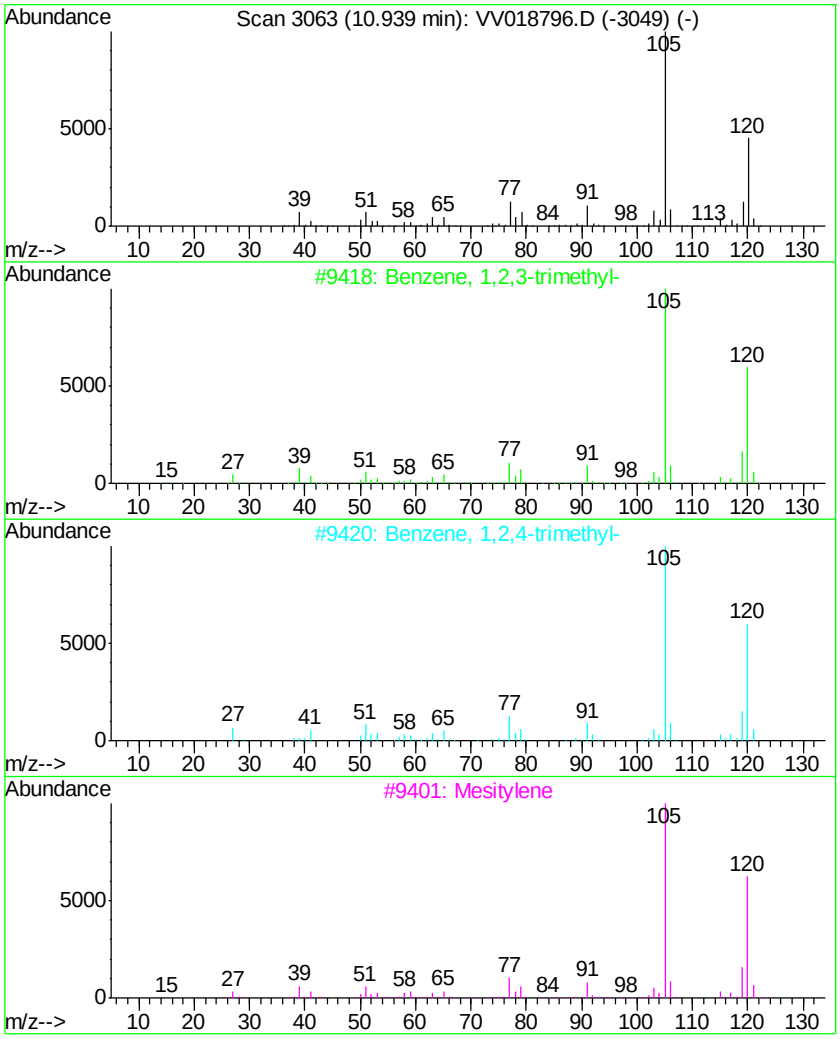
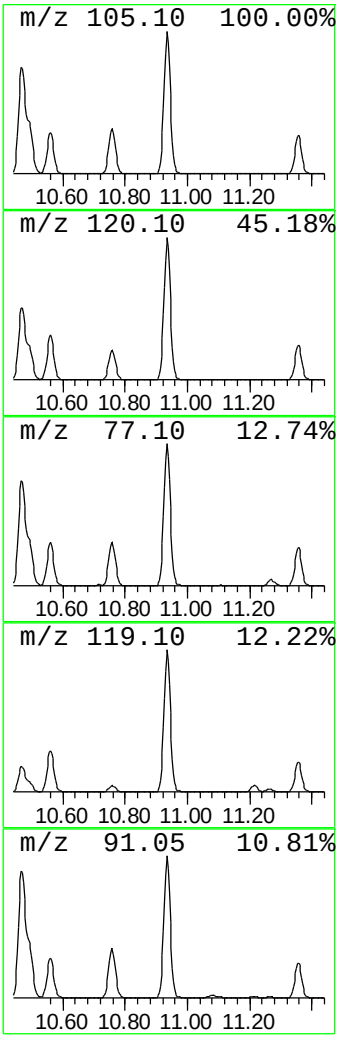
Peak Number 13 Benzene, 1,2,4-trimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.94	175.19 ug/L	3880770	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	97
2	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	95
3	Mesitylene	120	C9H12	000108-67-8	95
4	Mesitylene	120	C9H12	000108-67-8	94
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	93





Library Search Compound Report

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Operator : SY/MD
Sample : L4239-13 10X
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : BG3Q4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM100820WMA.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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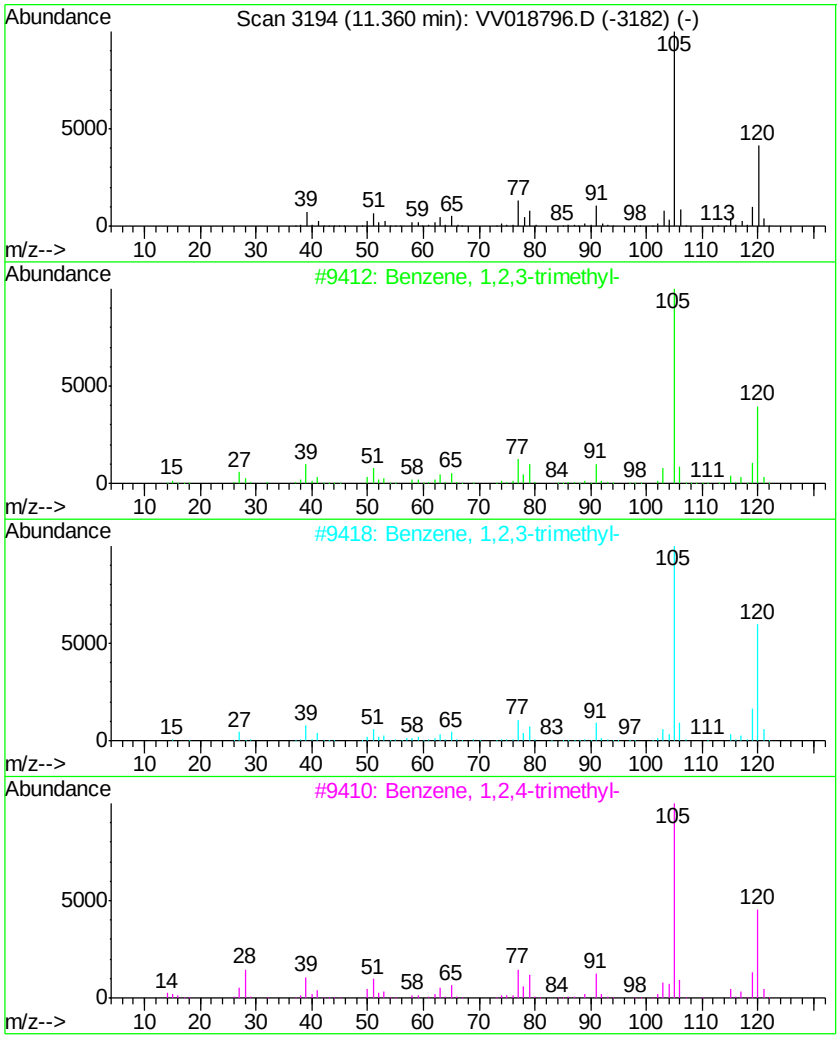
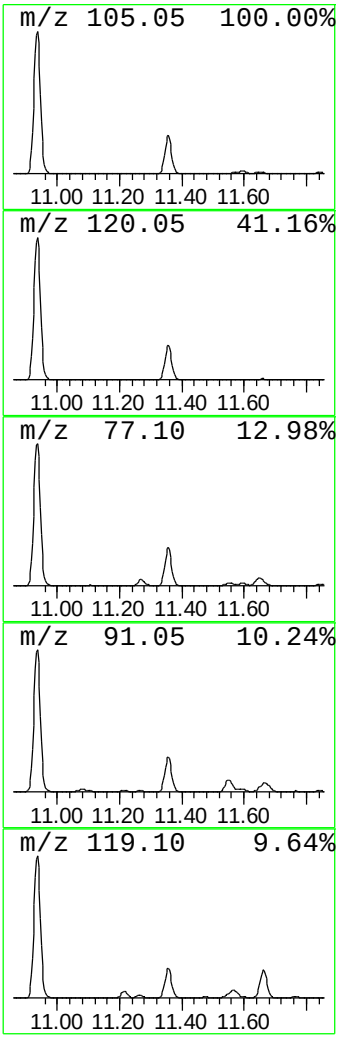
Peak Number 14 Mesitylene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.36	46.15 ug/L	1022310	1,4-Dichlorobenzene-d4	11.27

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





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Operator : SY/MD
Sample : L4239-13 10X
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : BG3Q4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM100820WMA.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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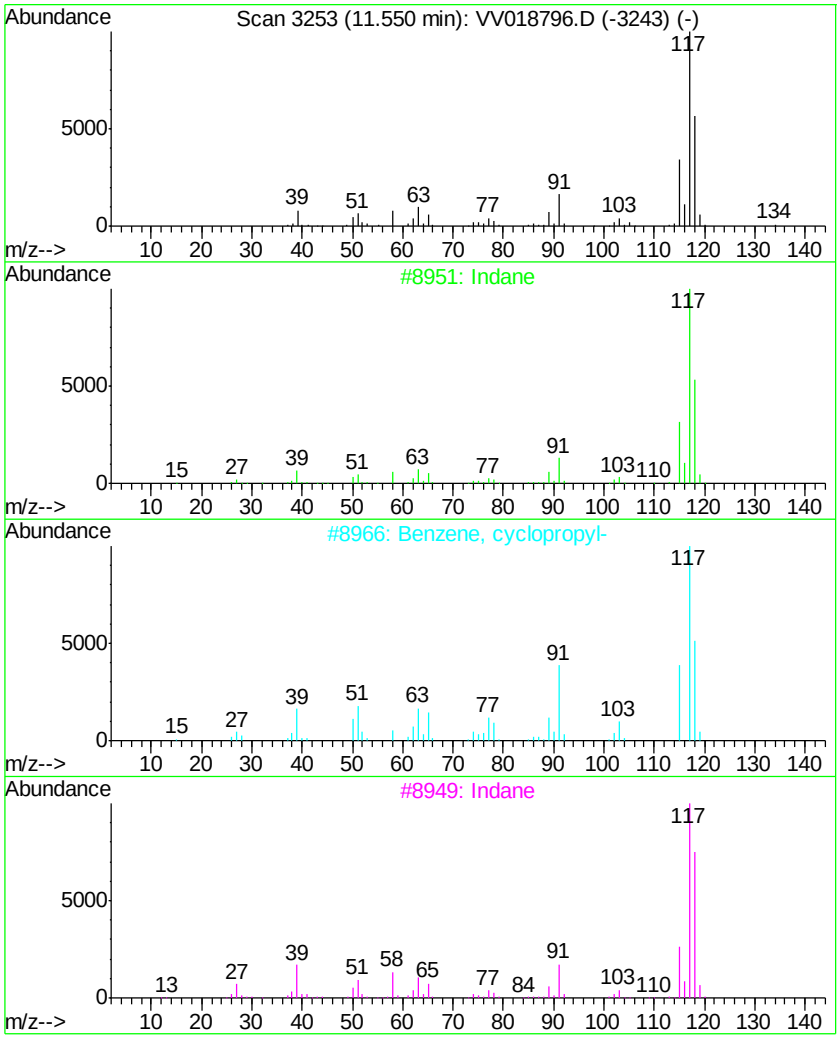
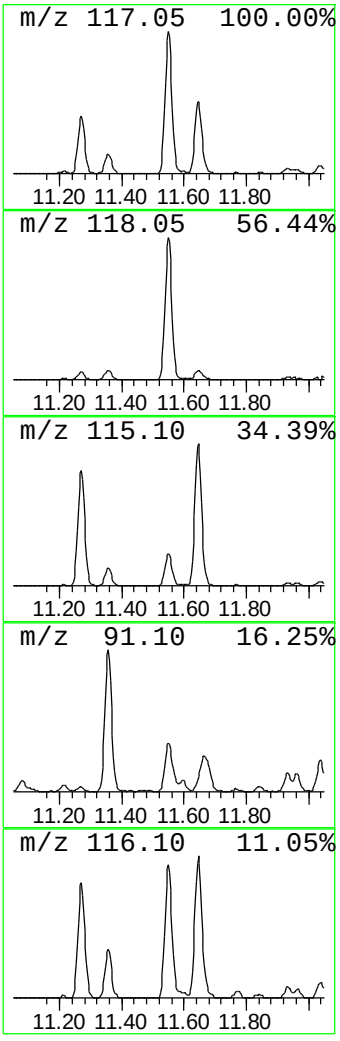
Peak Number 15 Indane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.55	13.15 ug/L	291338	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	95
2	Benzene, cyclopropyl-	118	C9H10	000873-49-4	94
3	Indane	118	C9H10	000496-11-7	91
4	Indane	118	C9H10	000496-11-7	90
5	Indane	118	C9H10	000496-11-7	81





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Operator : SY/MD
Sample : L4239-13 10X
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : BG3Q4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM100820WMA.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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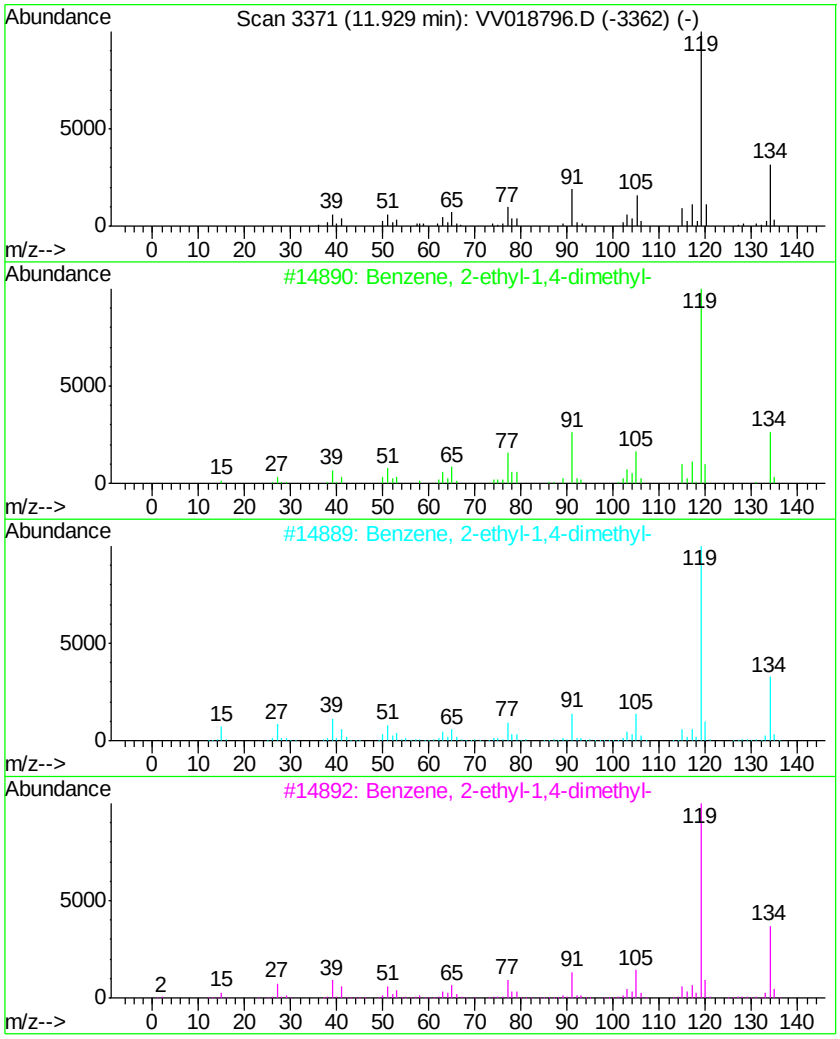
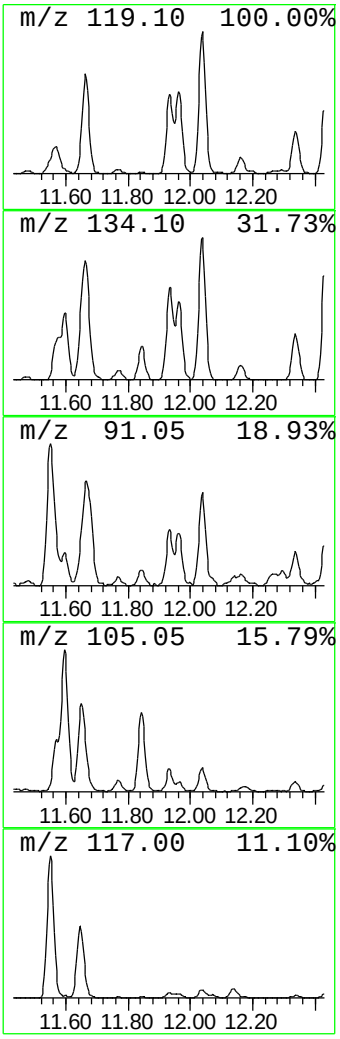
Peak Number 16 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.93	3.68 ug/L	81603	1,4-Dichlorobenzene-d4	11.27

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





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Operator : SY/MD
Sample : L4239-13 10X
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : BG3Q4

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Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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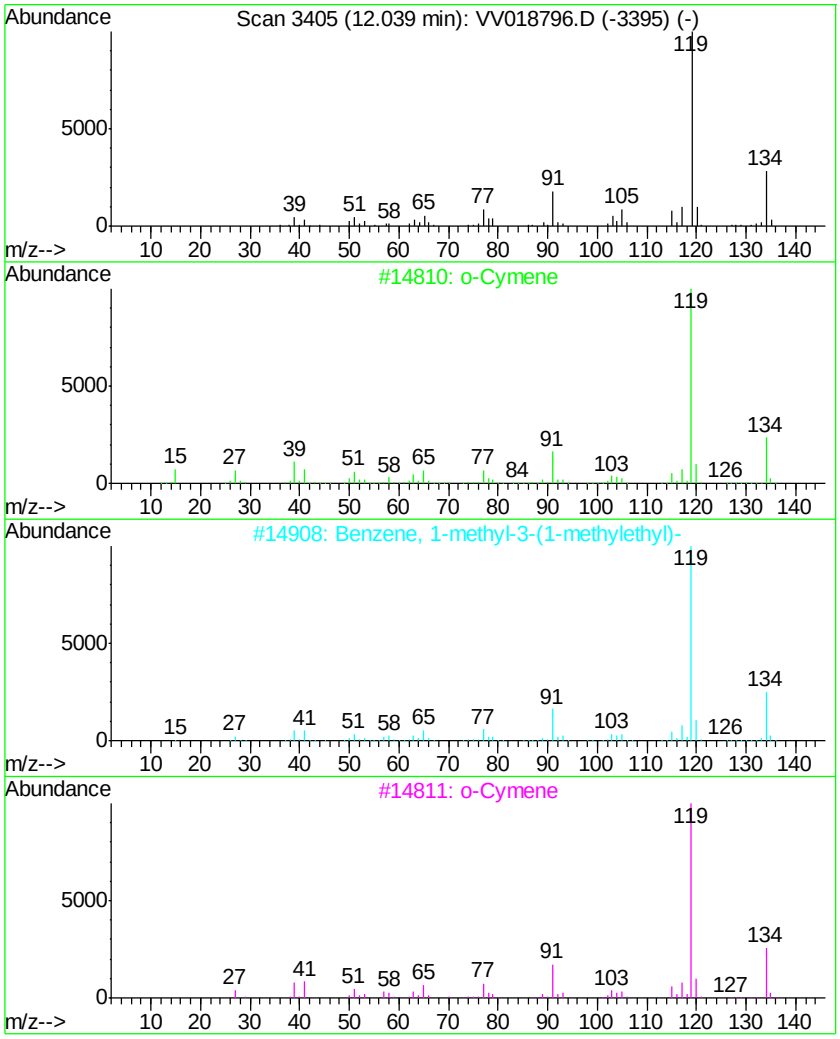
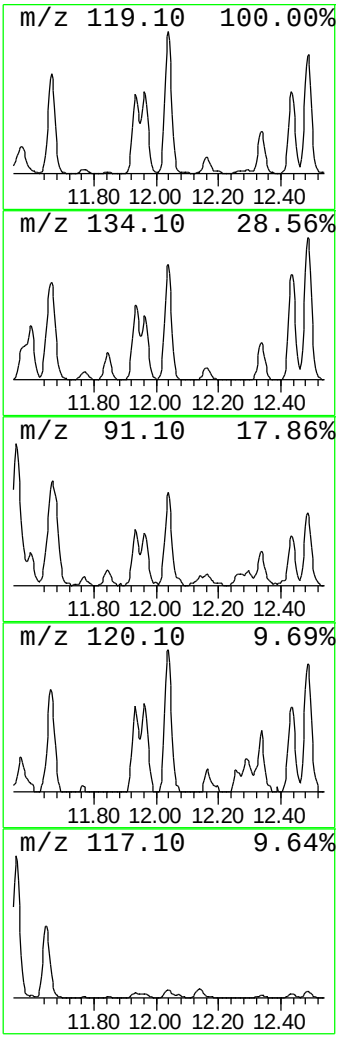
Peak Number 17 o-Cymene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.04	6.30 ug/L	139463	1,4-Dichlorobenzene-d4	11.27

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





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Data File : VV018796.D
Acq On : 09 Oct 2020 05:46
Operator : SY/MD
Sample : L4239-13 10X
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : BG3Q4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM100820WMA.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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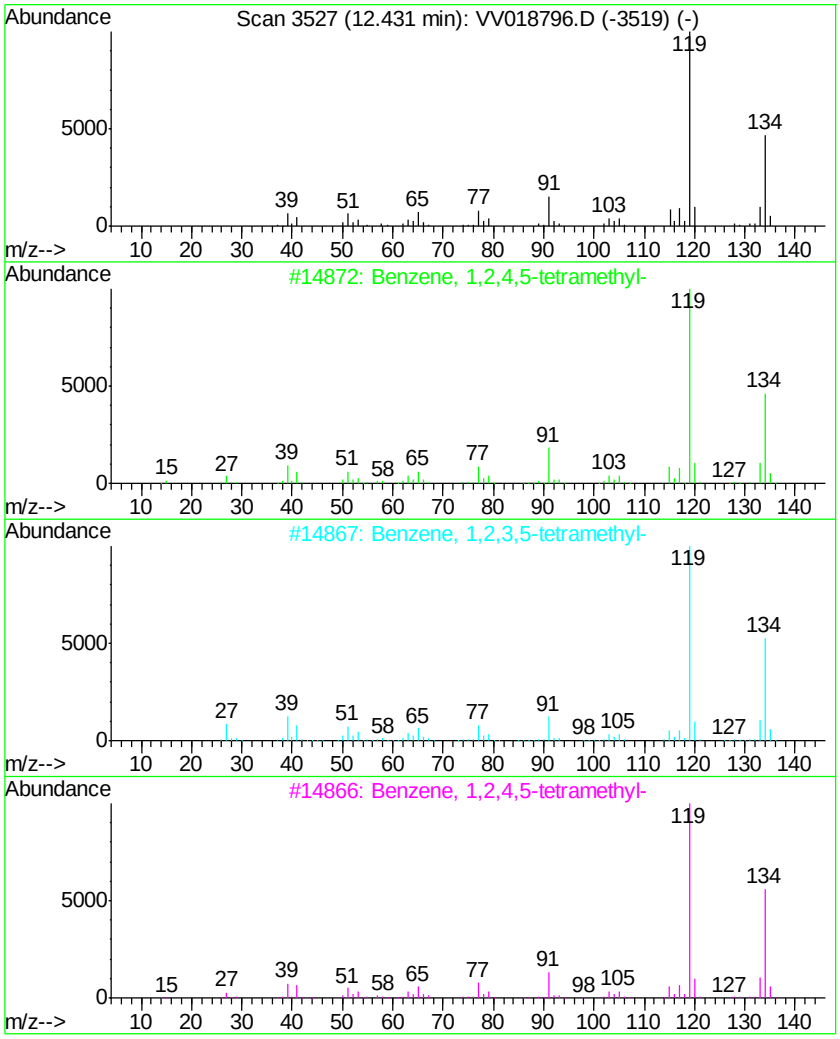
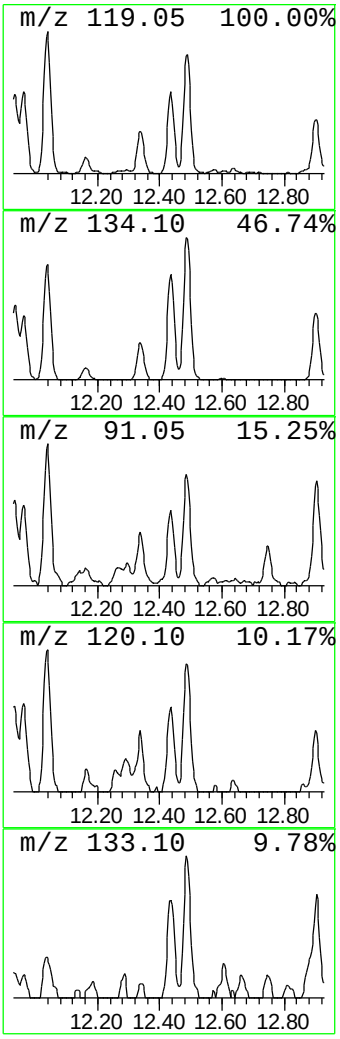
Peak Number 18 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.43	3.69 ug/L	81689	1,4-Dichlorobenzene-d4	11.27

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	97
4	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	97
5	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV100920\
Data File : VV018796.D
Acq On : 09 Oct 2020 05:46
Operator : SY/MD
Sample : L4239-13 10X
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : BG3Q4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM100820WMA.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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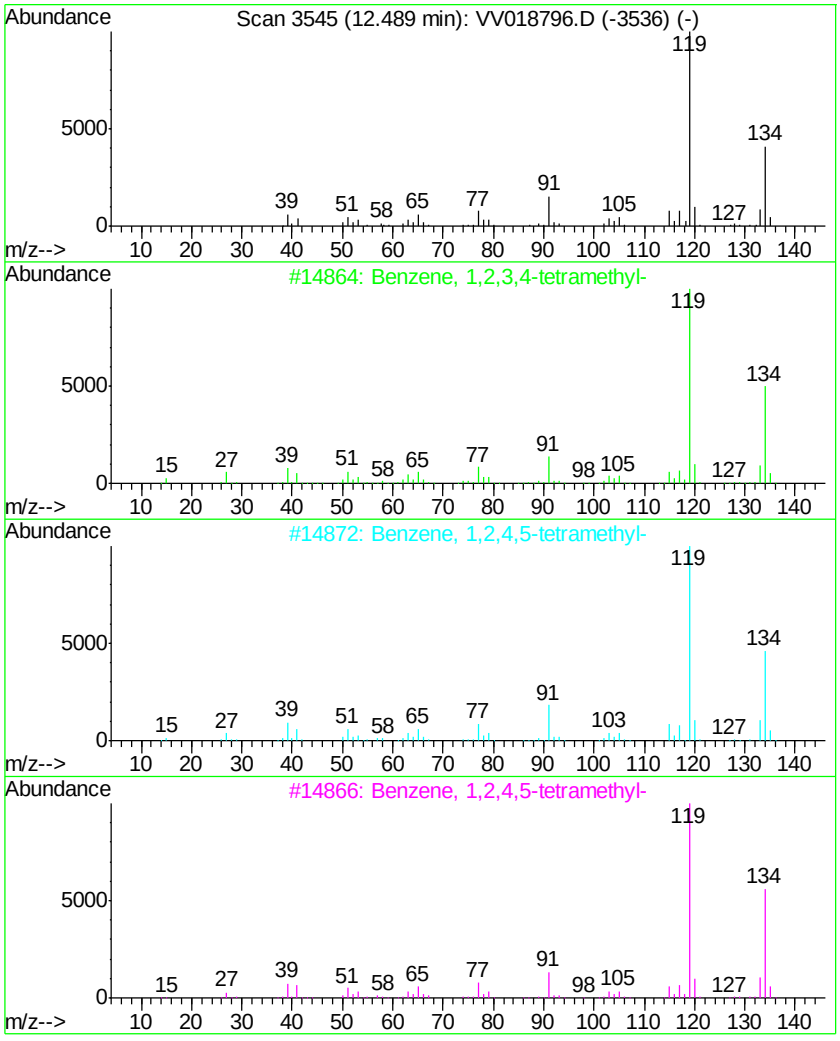
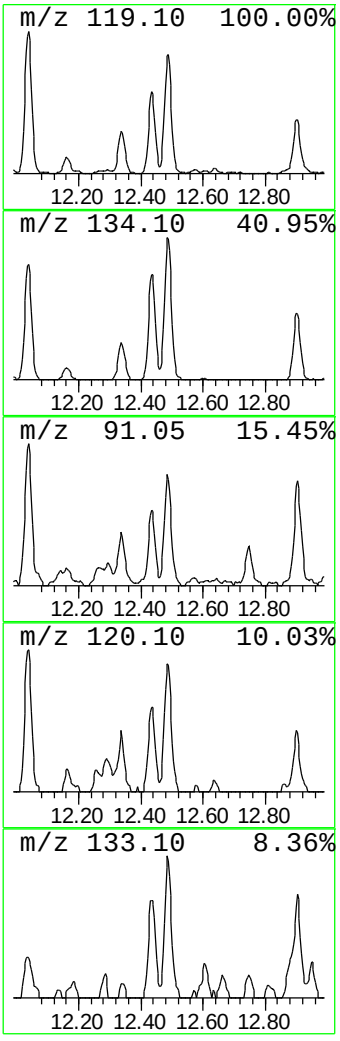
Peak Number 19 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.49	5.45 ug/L	120768	1,4-Dichlorobenzene-d4	11.27

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





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV100920\
Data File : VV018796.D
Acq On : 09 Oct 2020 05:46
Operator : SY/MD
Sample : L4239-13 10X
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : BG3Q4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM100820WMA.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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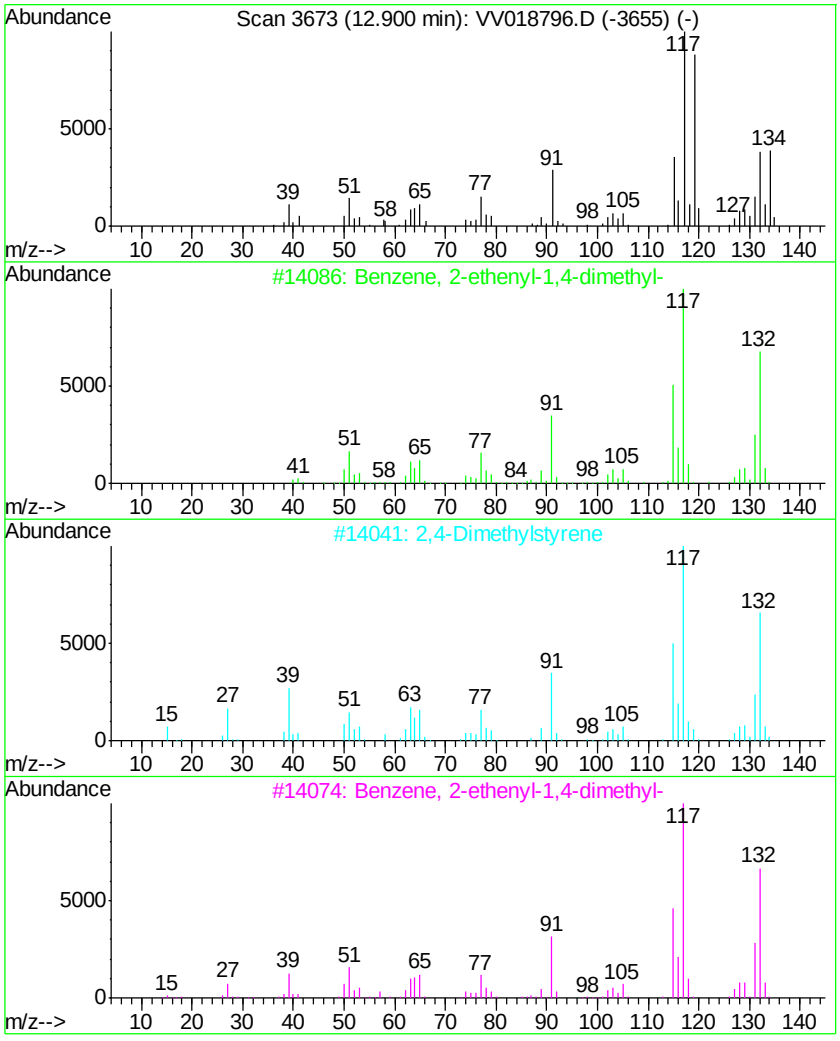
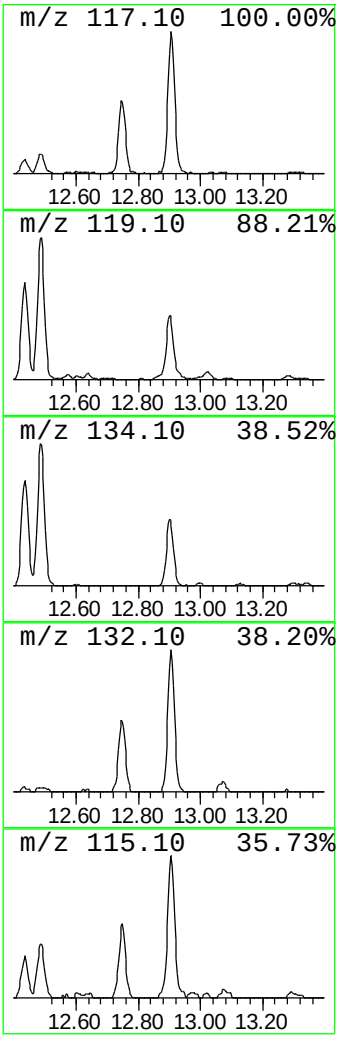
Peak Number 20 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.90	6.54 ug/L	144765	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	89
2	2,4-Dimethylstyrene	132	C10H12	002234-20-0	89
3	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	89
4	Benzene, 2-butenyl-	132	C10H12	001560-06-1	80
5	1-Phenyl-1-butene	132	C10H12	000824-90-8	60





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV100920\
Data File : VV018796.D
Acq On : 09 Oct 2020 05:46
Operator : SY/MD
Sample : L4239-13 10X
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : BG3Q4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM100820WMA.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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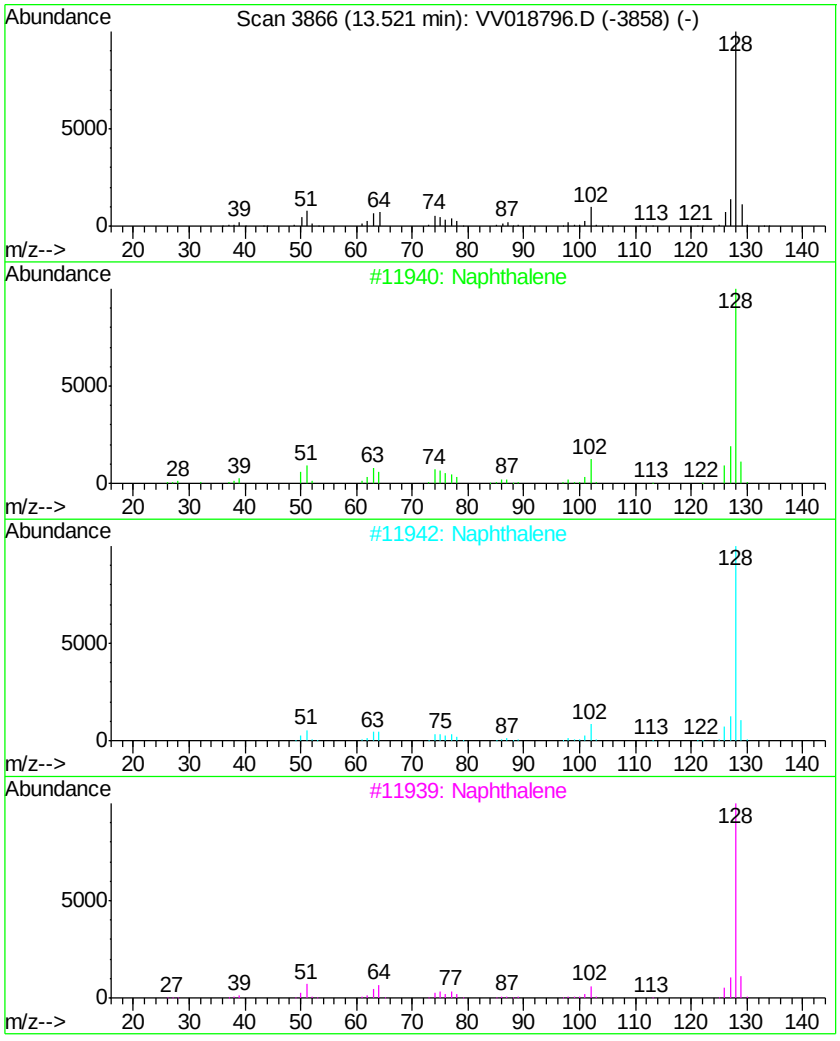
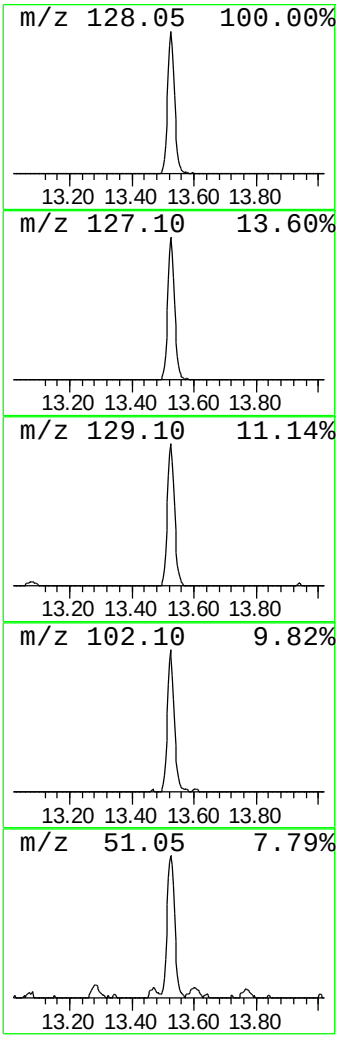
Peak Number 21 Azulene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.52	11.12 ug/L	246297	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene	128	C10H8	000091-20-3	97
2	Naphthalene	128	C10H8	000091-20-3	95
3	Naphthalene	128	C10H8	000091-20-3	95
4	Naphthalene	128	C10H8	000091-20-3	91
5	Azulene	128	C10H8	000275-51-4	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV100920\
Data File : VV018796.D
Acq On : 09 Oct 2020 05:46
Operator : SY/MD
Sample : L4239-13 10X
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : BG3Q4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM100820WMA.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
(DEL) Alkane: Str...	2.55	82.1	ug/L	1418580	1	5.64	864368	50.0
(DEL) Alkane: Str...	2.78	127.1	ug/L	2196460	1	5.64	864368	50.0
(DEL) Alkane: Str...	3.06	201.0	ug/L	3474660	1	5.64	864368	50.0
(DEL) Alkane: Str...	3.24	2.7	ug/L	46782	1	5.64	864368	50.0
(DEL) Alkane: Cyc...	3.79	293.5	ug/L	5073140	1	5.64	864368	50.0
unknown-01	5.93	3.5	ug/L	60671	1	5.64	864368	50.0
Benzene, propyl-	10.37	31.0	ug/L	686109	3	11.27	1107590	50.0
Benzene, 1-ethyl-...	10.47	167.5	ug/L	3711380	3	11.27	1107590	50.0
Benzene, 1,2,3-tr...	10.56	51.6	ug/L	1143970	3	11.27	1107590	50.0
4-Heptanone, 2,6-...	10.71	59.7	ug/L	1321560	3	11.27	1107590	50.0
Benzene, 1-ethyl-...	10.76	52.1	ug/L	1153190	3	11.27	1107590	50.0
Benzene, 1,2,4-tr...	10.94	175.2	ug/L	3880770	3	11.27	1107590	50.0
Mesitylene	11.36	46.1	ug/L	1022310	3	11.27	1107590	50.0
Indane	11.55	13.2	ug/L	291338	3	11.27	1107590	50.0
Benzene, 2-ethyl-...	11.93	3.7	ug/L	81603	3	11.27	1107590	50.0
o-Cymene	12.04	6.3	ug/L	139463	3	11.27	1107590	50.0
Benzene, 1,2,4,5-...	12.43	3.7	ug/L	81689	3	11.27	1107590	50.0
Benzene, 1,2,3,4-...	12.49	5.5	ug/L	120768	3	11.27	1107590	50.0
Benzene, 2-etheny...	12.90	6.5	ug/L	144765	3	11.27	1107590	50.0
Azulene	13.52	11.1	ug/L	246297	3	11.27	1107590	50.0