LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV100920\
Data File : VV018785.D
Acq On : 09 Oct 2020 01:25
Operator : SY/MD
Sample : L4239-11DL 5X
Misc : 5.0mL/MSVOA V/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : BG3P7DL

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	1.315	62	70	84	rVB	224995	228981	2.11%	0.328%
2	1.576	143	151	165	rVB	188352	216561	2.00%	0.310%
3	2.122	310	321	350	rVB	378681	585102	5.40%	0.839%
4	2.547	428	453	477	rBV	633727	1317580	12.16%	1.889%
5	2.778	506	525	555	rVV	1339458	2667832	24.62%	3.825%
6	3.061	596	613	641	rBV	2040151	4048603	37.36%	5.804%
7	3.389	704	715	721	rBV5	2662	5259	0.05%	0.008%
8	3.470	734	740	742	rBV4	1778	1689	0.02%	0.002%
9	3.563	753	769	792	rBV2	78251	207699	1.92%	0.298%
10	3.691	795	809	823	rVV	48628	122470	1.13%	0.176%
11	3.788	823	839	862	rVV	472410	1188256	10.96%	1.703%
12	3.900	864	874	910	rVV	111730	317191	2.93%	0.455%
13	4.373	1004	1021	1053	rBV	228864	578824	5.34%	0.830%
14	4.637	1087	1103	1113	rBV3	41015	106265	0.98%	0.152%
15	4.778	1143	1147	1148	rBV2	1540	1052	0.01%	0.002%
16	4.942	1185	1198	1212	rVV9	3546	9799	0.09%	0.014%
17	5.071	1219	1238	1261	rBV2	585278	1510449	13.94%	2.165%
18	5.518	1367	1377	1378	rBV8	2854	3501	0.03%	0.005%
19	5.640	1401	1415	1441	rBV	414309	823538	7.60%	1.181%
20	5.933	1489	1506	1527	rVB5	29733	73076	0.67%	0.105%
21	6.093	1542	1556	1588	rBV	328192	673963	6.22%	0.966%
22	6.219	1593	1595	1600	rBV6	745	748	0.01%	0.001%
23	6.441	1658	1664	1669	rBV4	480	698	0.01%	0.001%
24	6.675	1728	1737	1739	rBV7	4381	6270	0.06%	0.009%
25	6.801	1762	1776	1788	rBV5	9096	19517	0.18%	0.028%
26	6.942	1816	1820	1826	rVB4	722	795	0.01%	0.001%
27	7.006	1826	1840	1864	rBV	182183	328741	3.03%	0.471%
28	7.286	1912	1927	1932	rBV6	6208	12168	0.11%	0.017%
29	7.338	1932	1943	1955	rVV	673130	1142038	10.54%	1.637%
30	7.408	1955	1965	1989	rVB	802433	1369183	12.63%	1.963%
31	7.640	2027	2037	2062	rBV	133840	234914	2.17%	0.337%
32	7.810	2084	2090	2092	rBV6	1352	1380	0.01%	0.002%
33	7.894	2110	2116	2117	rBV3	970	769	0.01%	0.001%
34	7.997	2139	2148	2161	rVV3	17864	30221	0.28%	0.043%

LSC Area Percent Report

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Acq On : 09 Oct 2020 01:25
Operator : SY/MD
Sample : L4239-11DL 5X
Misc : 5.0mL/MSVOA V/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : BG3P7DL

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	8.106	2171	2182	2216	rBV	376138	681779	6.29%	0.977%
36	8.608	2333	2338	2342	rBV4	663	769	0.01%	0.001%
37	8.875	2408	2421	2449	rBV	638218	1053389	9.72%	1.510%
38	9.032	2460	2470	2485	rBV	158370	251183	2.32%	0.360%
39	9.158	2497	2509	2528	rBV	579016	922170	8.51%	1.322%
40	9.566	2623	2636	2652	rBV	249804	394123	3.64%	0.565%
41	9.723	2680	2685	2688	rBV4	1240	1223	0.01%	0.002%
42	9.820	2708	2715	2721	rVB5	1743	1898	0.02%	0.003%
43	9.855	2721	2726	2730	rVB3	698	707	0.01%	0.001%
44	9.952	2744	2756	2778	rBV	284041	436130	4.02%	0.625%
45	10.084	2791	2797	2801	rBV4	683	727	0.01%	0.001%
46	10.151	2807	2818	2819	rBV4	3715	3533	0.03%	0.005%
47	10.238	2833	2845	2865	rBV	385318	607239	5.60%	0.871%
48	10.373	2874	2887	2904	rBV	1615246	2372892	21.89%	3.402%
49	10.469	2904	2917	2935	rVV	4951500	10469080	96.60%	15.009%
50	10.559	2935	2945	2974	rVB	2614513	3826017	35.30%	5.485%
51	10.714	2980	2993	2999	rBV	686523	1004650	9.27%	1.440%
52	10.759	2999	3007	3027	rVB	1672629	2552753	23.55%	3.660%
53	10.936	3049	3062	3084	rVV	7250555	10837977	100.00%	15.537%
54	11.038	3089	3094	3098	rBV2	12577	14671	0.14%	0.021%
55	11.077	3099	3106	3111	rBV	60608	87796	0.81%	0.126%
56	11.215	3137	3149	3156	rBV	151042	229762	2.12%	0.329%
57	11.270	3156	3166	3181	rVV	746066	1168618	10.78%	1.675%
58	11.357	3181	3193	3213	rVB	1454971	2141429	19.76%	3.070%
59	11.476	3221	3230	3242	rVB	12958	19841	0.18%	0.028%
60	11.559	3242	3256	3261	rBV3	351053	765651	7.06%	1.098%
61	11.653	3275	3285	3311	rVB5	1428934	3042737	28.07%	4.362%
62	11.768	3312	3321	3332	rVB	51687	77161	0.71%	0.111%
63	11.842	3333	3344	3358	rVB	233954	355941	3.28%	0.510%
64	11.932	3361	3372	3377	rBV	543335	829984	7.66%	1.190%
65	12.035	3393	3404	3426	rVB	1021692	1542238	14.23%	2.211%
66	12.141	3427	3437	3438	rBV	59747	73125	0.67%	0.105%
67	12.280	3467	3480	3488	rBV4	21349	43107	0.40%	0.062%
68	12.337	3488	3498	3511	rVB	241719	367244	3.39%	0.526%
69	12.434	3511	3528	3536	rBV	608477	905538	8.36%	1.298%
70	12.485	3536	3544	3560	rVB	882408	1308154	12.07%	1.875%
71	12.572	3562	3571	3576	rBV2	39921	58481	0.54%	0.084%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV100920\
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Acq On : 09 Oct 2020 01:25
Operator : SY/MD
Sample : L4239-11DL 5X
Misc : 5.0mL/MSVOA V/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : BG3P7DL

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	12.608	3577	3582	3586	rBV2	29046	32634	0.30%	0.047%
73	12.746	3615	3625	3639	rVB	248868	377087	3.48%	0.541%
74	12.813	3639	3646	3654	rBV3	23891	33356	0.31%	0.048%
75	12.903	3654	3674	3686	rBV2	623776	1084865	10.01%	1.555%
76	13.022	3703	3711	3720	rBV	50708	71820	0.66%	0.103%
77	13.071	3720	3726	3736	rVB4	16392	26990	0.25%	0.039%
78	13.186	3752	3762	3772	rBV2	17583	30766	0.28%	0.044%
79	13.286	3782	3793	3802	rBV2	416451	681595	6.29%	0.977%
80	13.421	3829	3835	3842	rVB	37897	49427	0.46%	0.071%
81	13.466	3842	3849	3858	rBV	37608	52827	0.49%	0.076%
82	13.524	3858	3867	3878	rBV	333086	511506	4.72%	0.733%
83	13.601	3885	3891	3910	rVB	38397	67355	0.62%	0.097%
84	13.768	3924	3943	3959	rBV3	115266	230981	2.13%	0.331%
85	13.845	3959	3967	3975	rVB7	2931	4741	0.04%	0.007%
86	13.932	3985	3994	4004	rBV2	31127	47223	0.44%	0.068%
87	13.990	4004	4012	4023	rVV5	4326	7663	0.07%	0.011%
88	14.112	4040	4050	4063	rBV4	16870	35318	0.33%	0.051%
89	14.193	4073	4075	4078	rBV3	844	707	0.01%	0.001%
90	14.257	4086	4095	4106	rBV	14095	21874	0.20%	0.031%
91	14.315	4106	4113	4125	rVB3	9075	14388	0.13%	0.021%
92	14.398	4137	4139	4148	rVB7	1239	1473	0.01%	0.002%
93	14.456	4154	4157	4162	rVB3	1593	1364	0.01%	0.002%
94	14.659	4209	4220	4235	rBV	33182	51225	0.47%	0.073%
95	14.739	4239	4245	4256	rVB7	5340	7469	0.07%	0.011%
96	14.842	4268	4277	4291	rVB	13329	20207	0.19%	0.029%
97	15.003	4323	4327	4333	rVB5	1668	1887	0.02%	0.003%
98	15.321	4423	4426	4431	rBV4	753	731	0.01%	0.001%
99	15.521	4484	4488	4494	rBV4	638	711	0.01%	0.001%
100	16.093	4663	4666	4669	rBV3	887	774	0.01%	0.001%

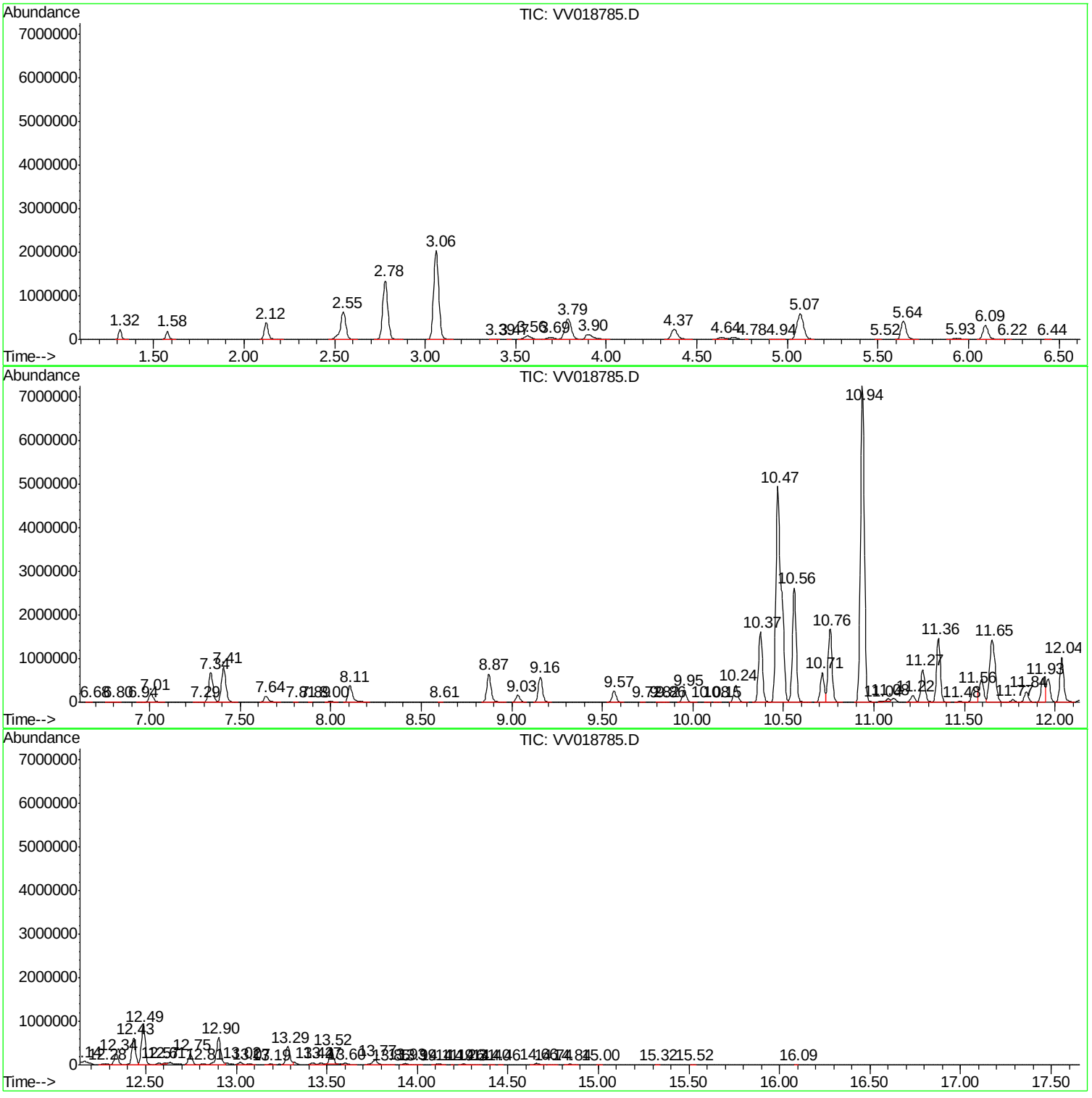
Sum of corrected areas: 69753813

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV100920\
Data File : VV018785.D
Acq On : 09 Oct 2020 01:25
Operator : SY/MD
Sample : L4239-11DL 5X
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : BG3P7DL

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV100920\
Data File : VV018785.D
Acq On : 09 Oct 2020 01:25
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Sample : L4239-11DL 5X
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : BG3P7DL

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

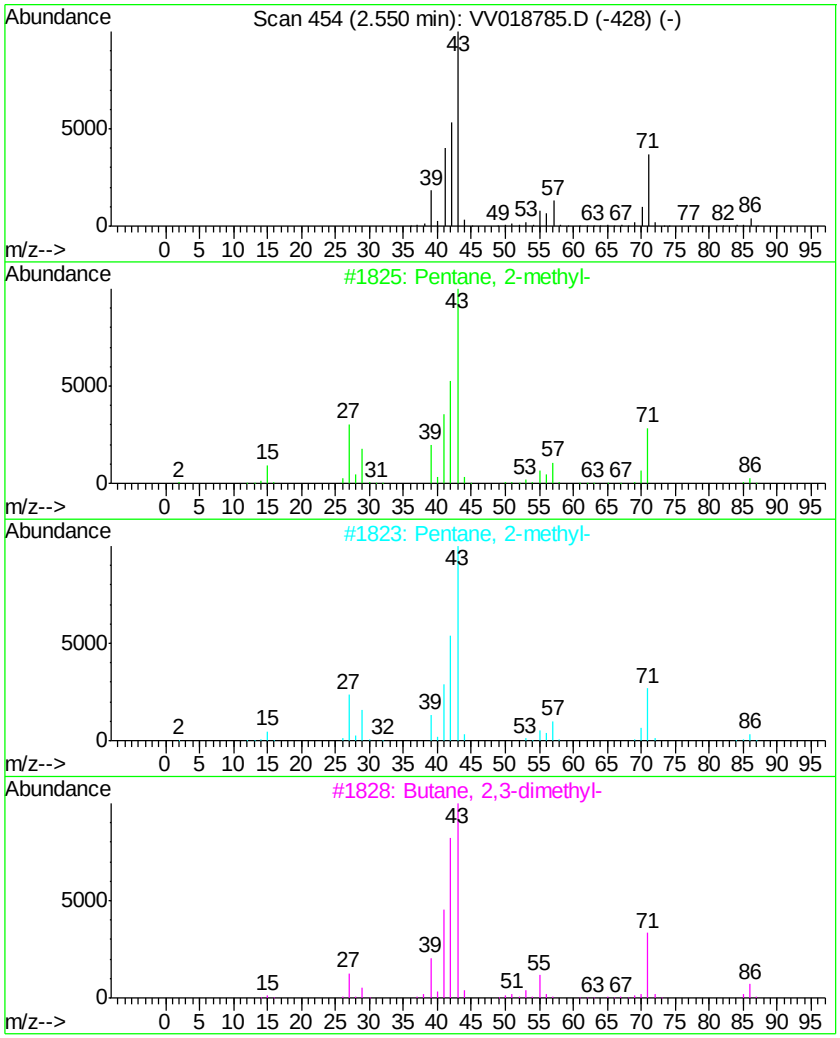
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

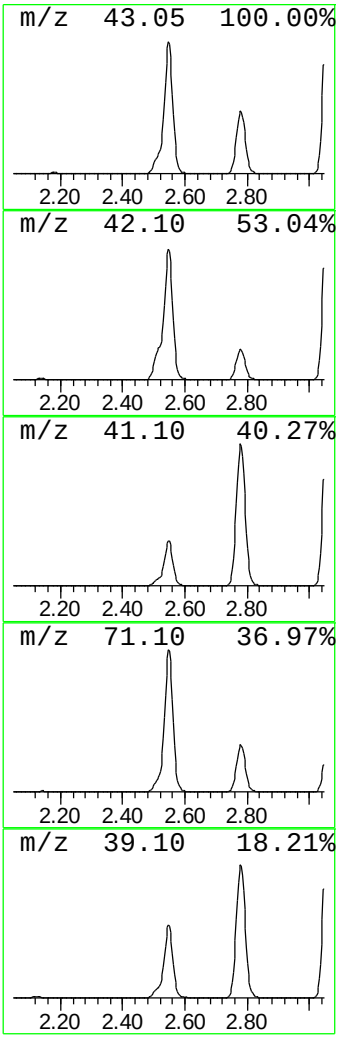
****

Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.55	80.00 ug/L	1317580	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	1-Propanol, 2-methyl-	74	C4H10O	000078-83-1	33
5	Pentane	72	C5H12	000109-66-0	33





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV100920\
Data File : VV018785.D
Acq On : 09 Oct 2020 01:25
Operator : SY/MD
Sample : L4239-11DL 5X
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : BG3P7DL

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

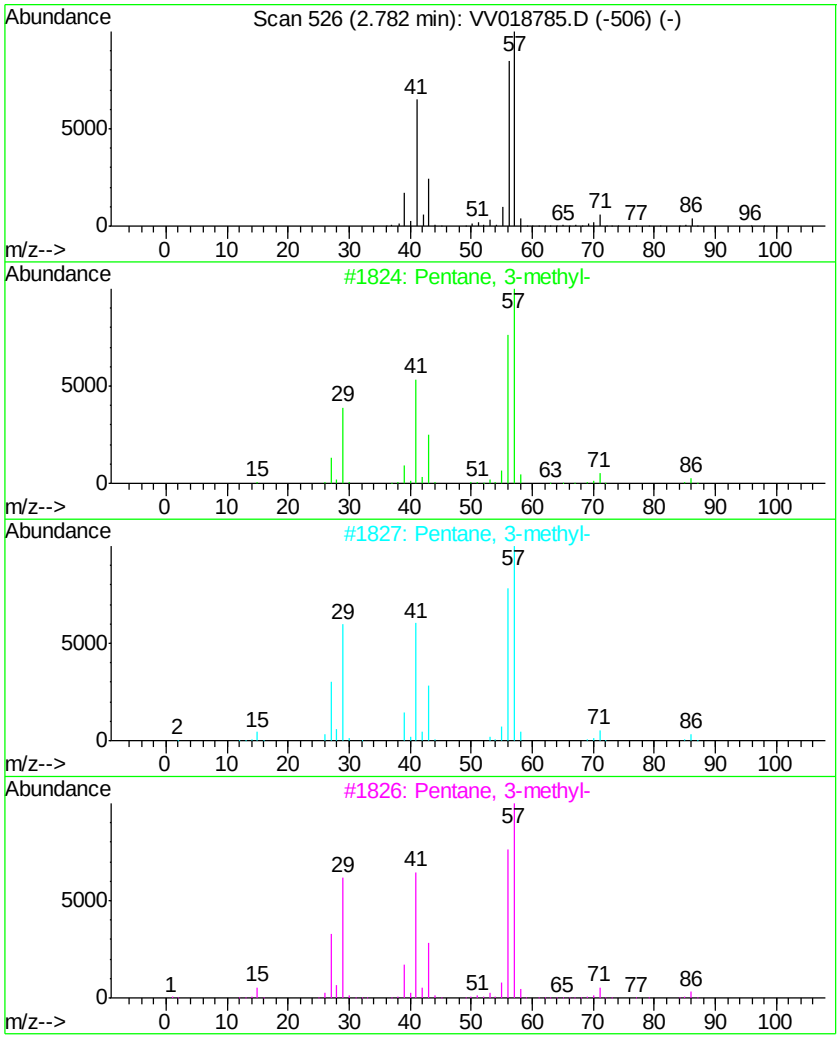
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

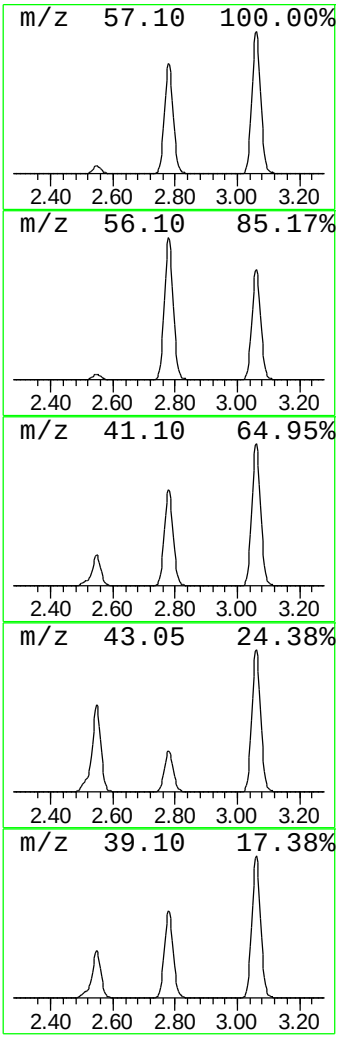
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.78	161.97 ug/L	2667830	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	Pentane, 3-ethyl-2,2-dimethyl-	128	C9H20	016747-32-3	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV100920\
Data File : VV018785.D
Acq On : 09 Oct 2020 01:25
Operator : SY/MD
Sample : L4239-11DL 5X
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : BG3P7DL

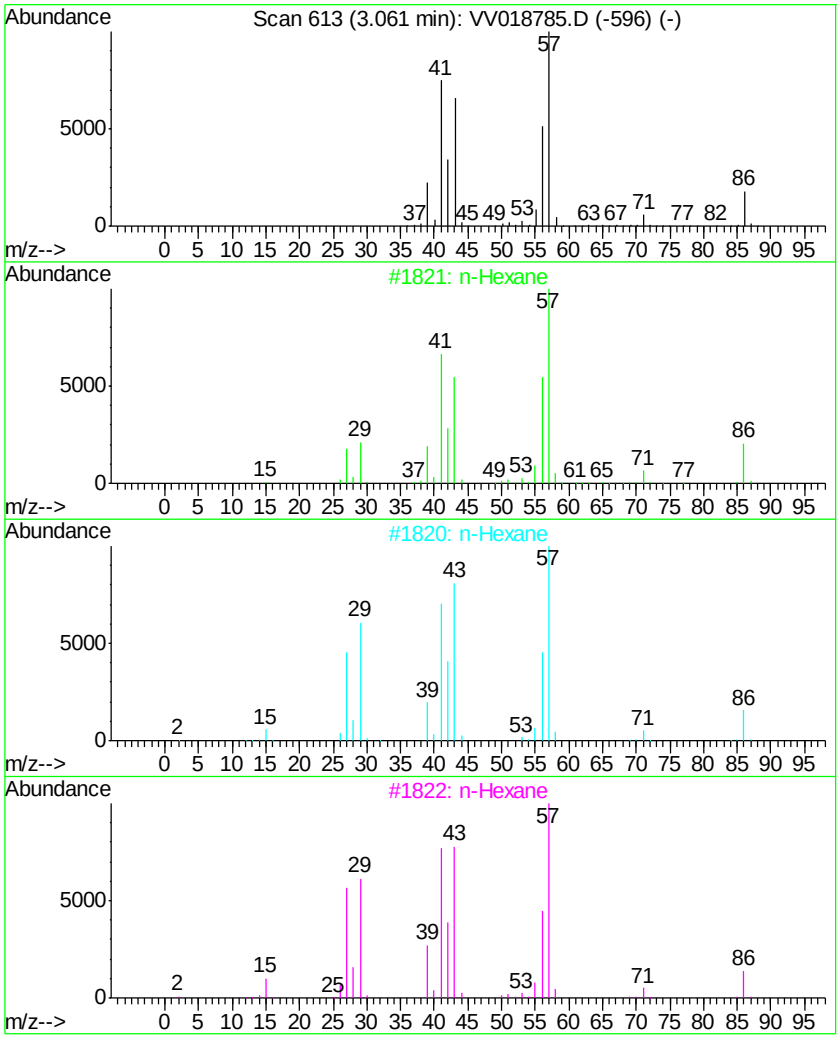
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM100820WMA.M
Quant Title : VOC Analysis

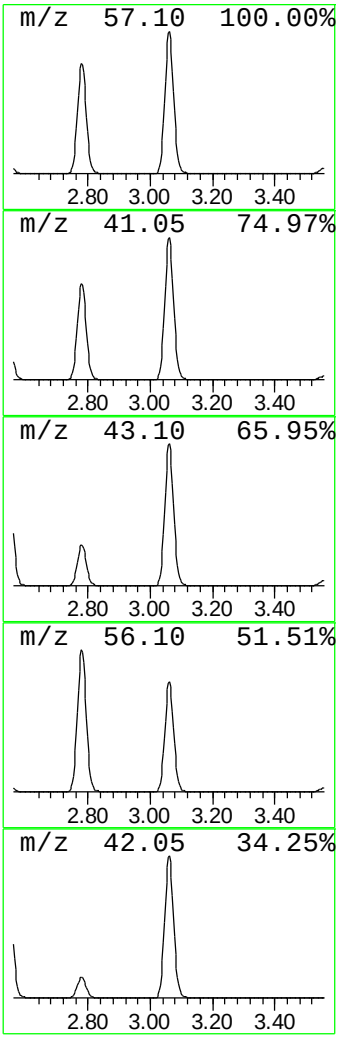
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.06	245.81 ug/L	4048600	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	Hydroperoxide, hexyl	118	C6H14O2	004312-76-9	40





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV100920\
Data File : VV018785.D
Acq On : 09 Oct 2020 01:25
Operator : SY/MD
Sample : L4239-11DL 5X
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : BG3P7DL

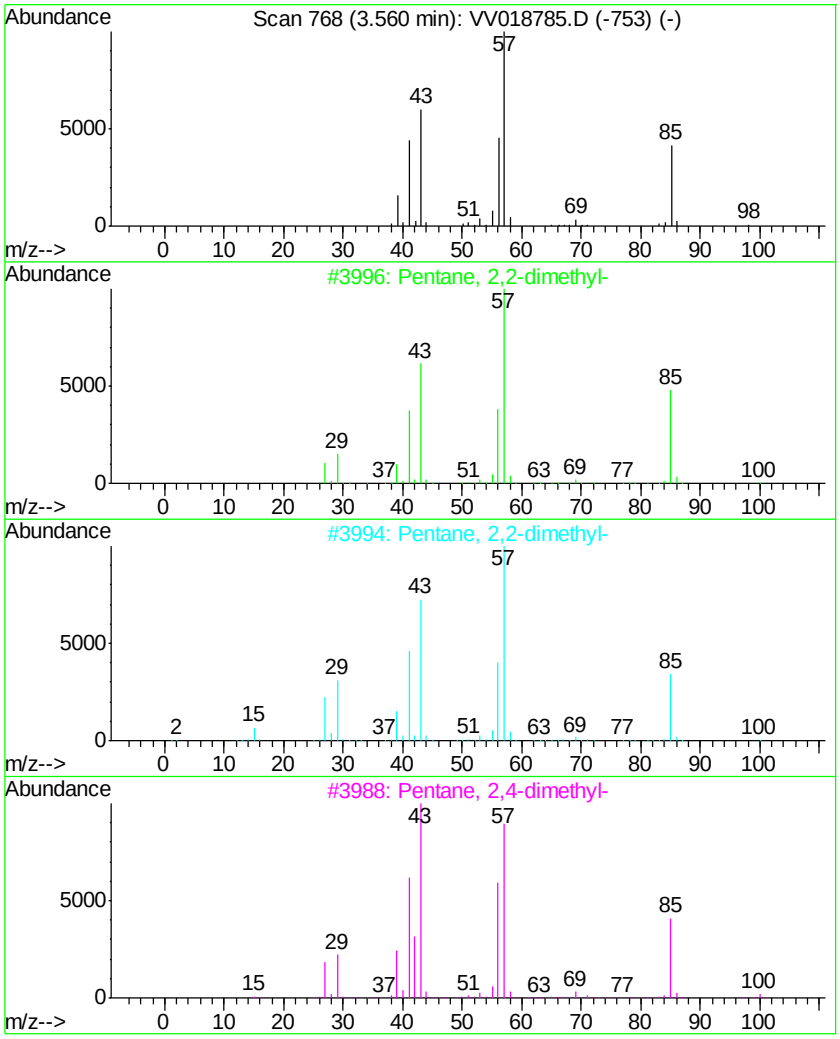
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM100820WMA.M
Quant Title : VOC Analysis

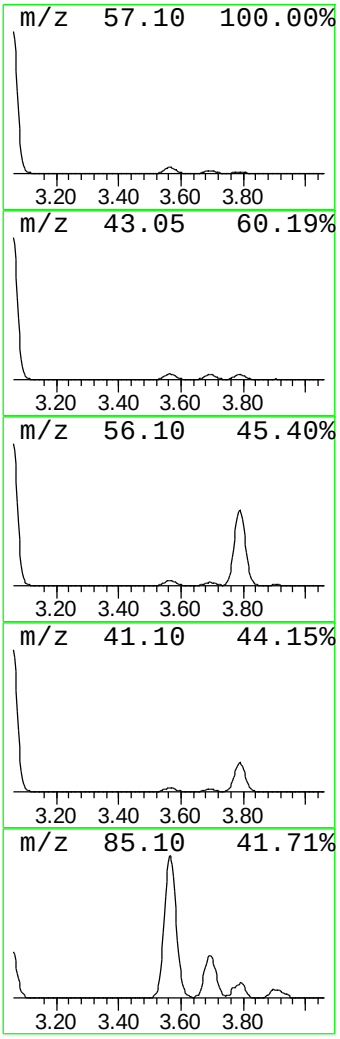
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.56	12.61 ug/L	207699	1,4-Difluorobenzene	5.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,2-dimethyl-	100	C7H16	000590-35-2	83
2	Pentane, 2,2-dimethyl-	100	C7H16	000590-35-2	83
3	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	83
4	Pentane, 2,2-dimethyl-	100	C7H16	000590-35-2	78
5	Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	78





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV100920\
Data File : VV018785.D
Acq On : 09 Oct 2020 01:25
Operator : SY/MD
Sample : L4239-11DL 5X
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : BG3P7DL

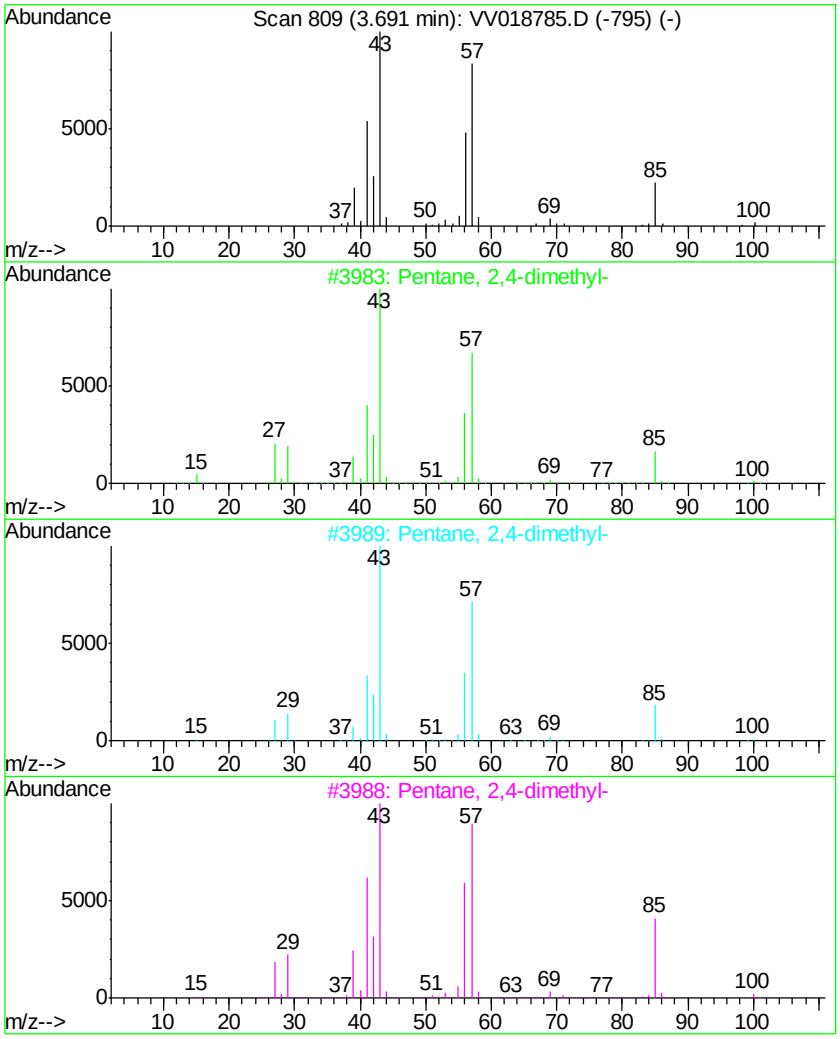
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM100820WMA.M
Quant Title : VOC Analysis

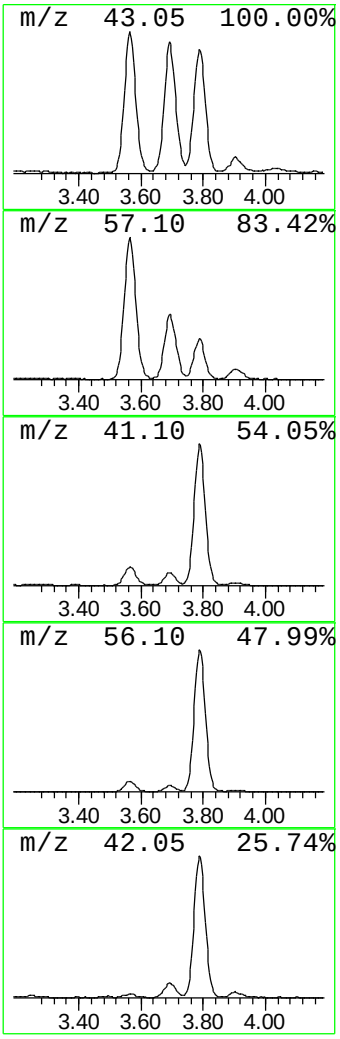
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.69	7.44 ug/L	122470	1,4-Difluorobenzene	5.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	91
2	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	90
3	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	74
4	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	72
5	Pentane, 2,2-dimethyl-	100	C7H16	000590-35-2	50





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Acq On : 09 Oct 2020 01:25
Operator : SY/MD
Sample : L4239-11DL 5X
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : BG3P7DL

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

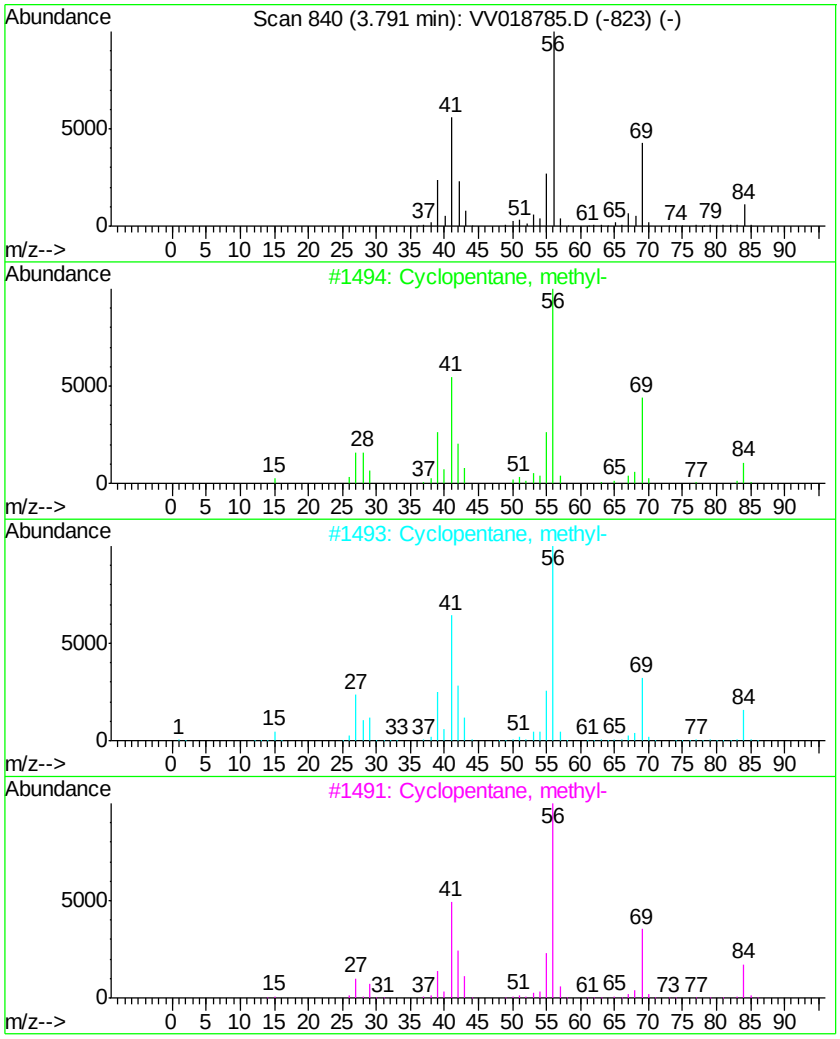
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

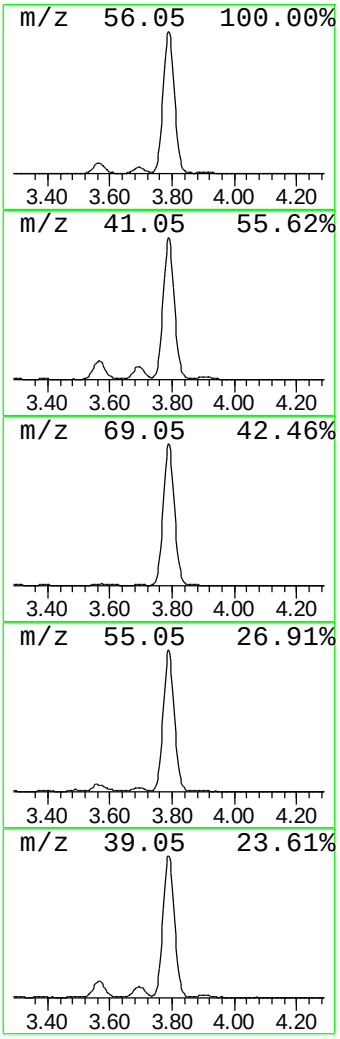
****

Peak Number 6 (DEL) Alkane: Cyclic3.79 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.79	72.14 ug/L	1188260	1,4-Difluorobenzene	5.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	94
2	Cyclopentane, methyl-	84	C6H12	000096-37-7	91
3	Cyclopentane, methyl-	84	C6H12	000096-37-7	78
4	1H-Tetrazole, 5-methyl-	84	C2H4N4	004076-36-2	72
5	Cyclobutane, ethyl-	84	C6H12	004806-61-5	64





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Acq On : 09 Oct 2020 01:25
Operator : SY/MD
Sample : L4239-11DL 5X
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : BG3P7DL

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

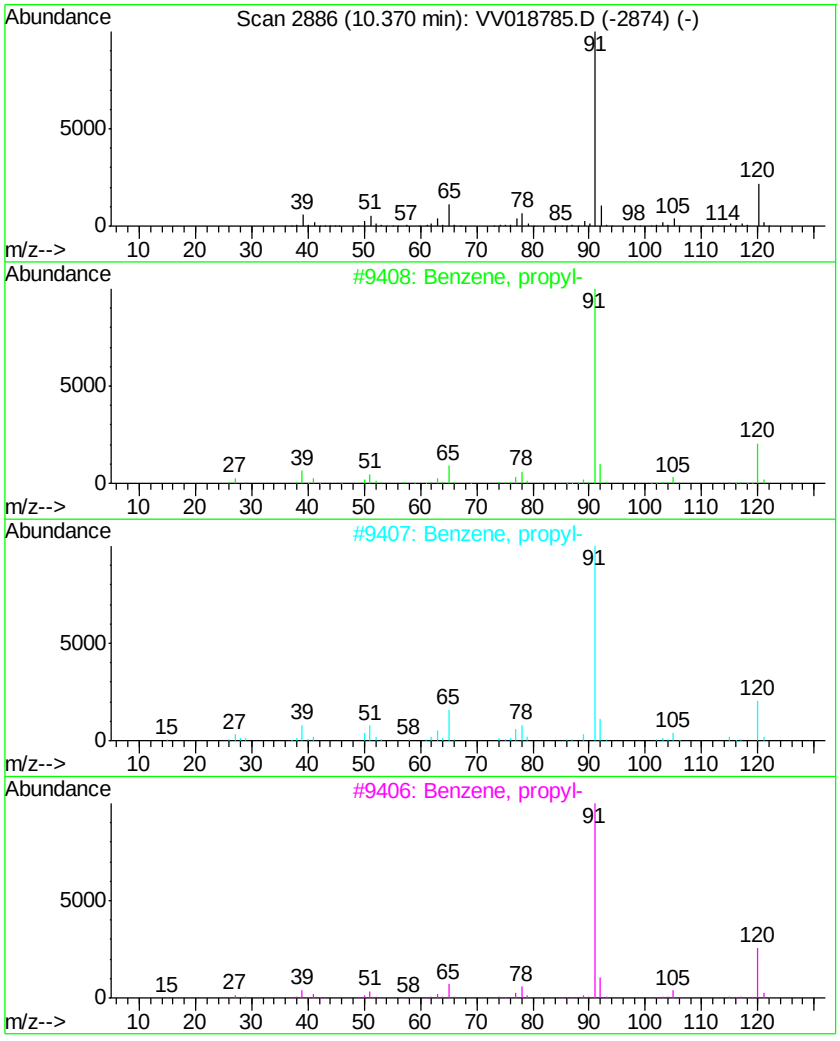
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

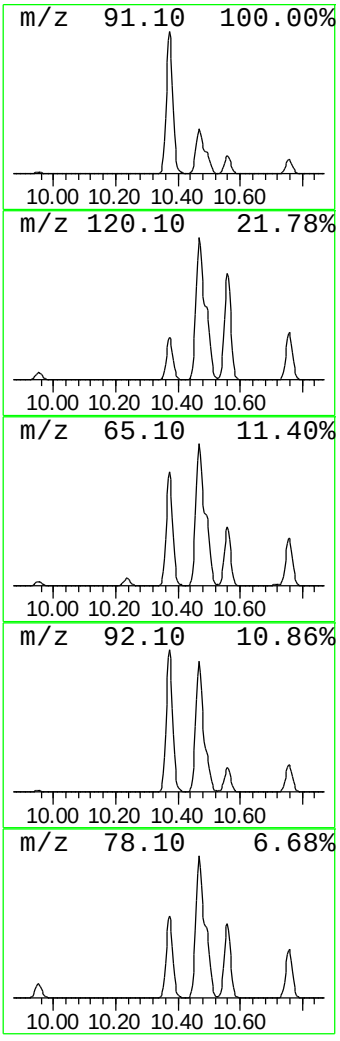
****

Peak Number 8 Benzene, propyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.37	101.53 ug/L	2372890	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, propyl-	120	C9H12	000103-65-1	90
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	72
5	Phenethylamine, N-benzyl-p-chloro-	245	C15H16ClN	013622-43-0	72





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Operator : SY/MD
Sample : L4239-11DL 5X
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : BG3P7DL

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

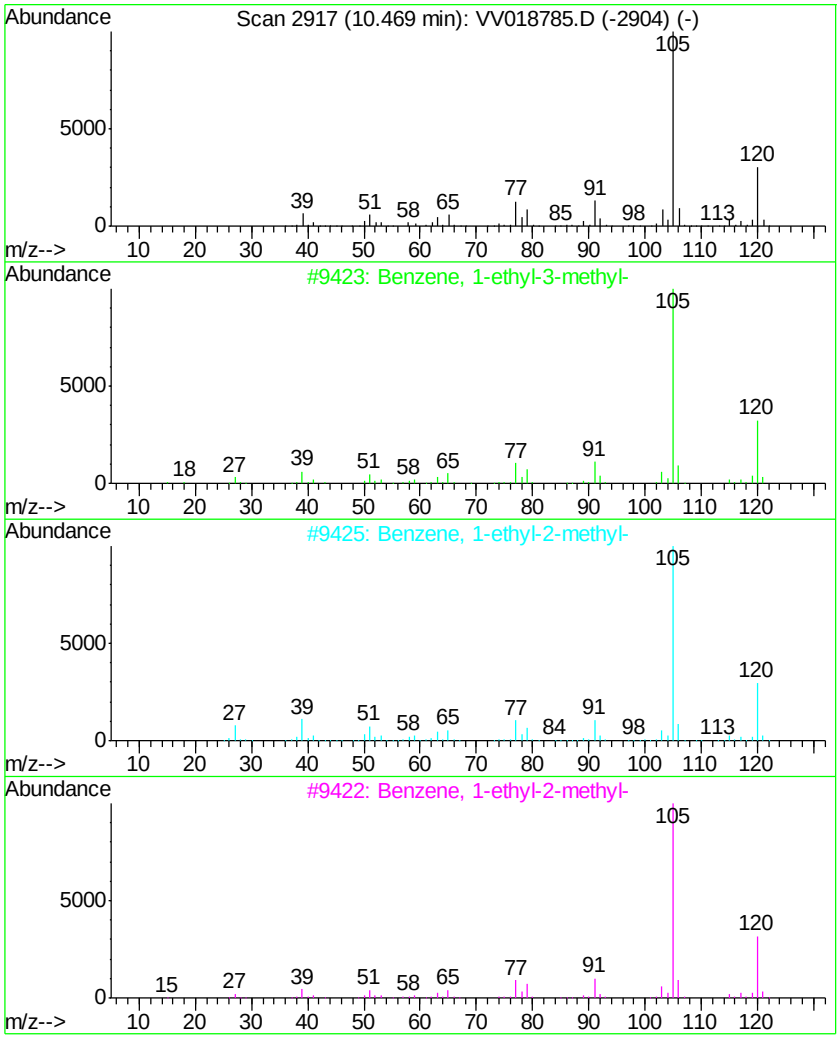
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

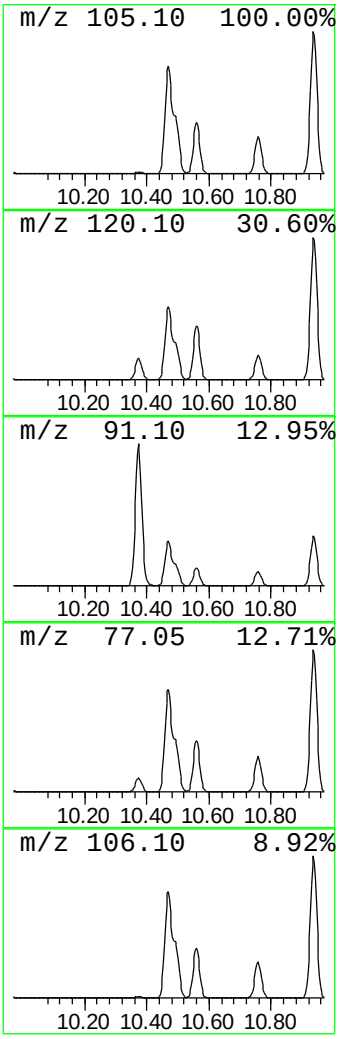
****

Peak Number 9 Benzene, 1-ethyl-3-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.47	447.93 ug/L	10469100	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	95
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	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, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91





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Acq On : 09 Oct 2020 01:25
Operator : SY/MD
Sample : L4239-11DL 5X
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : BG3P7DL

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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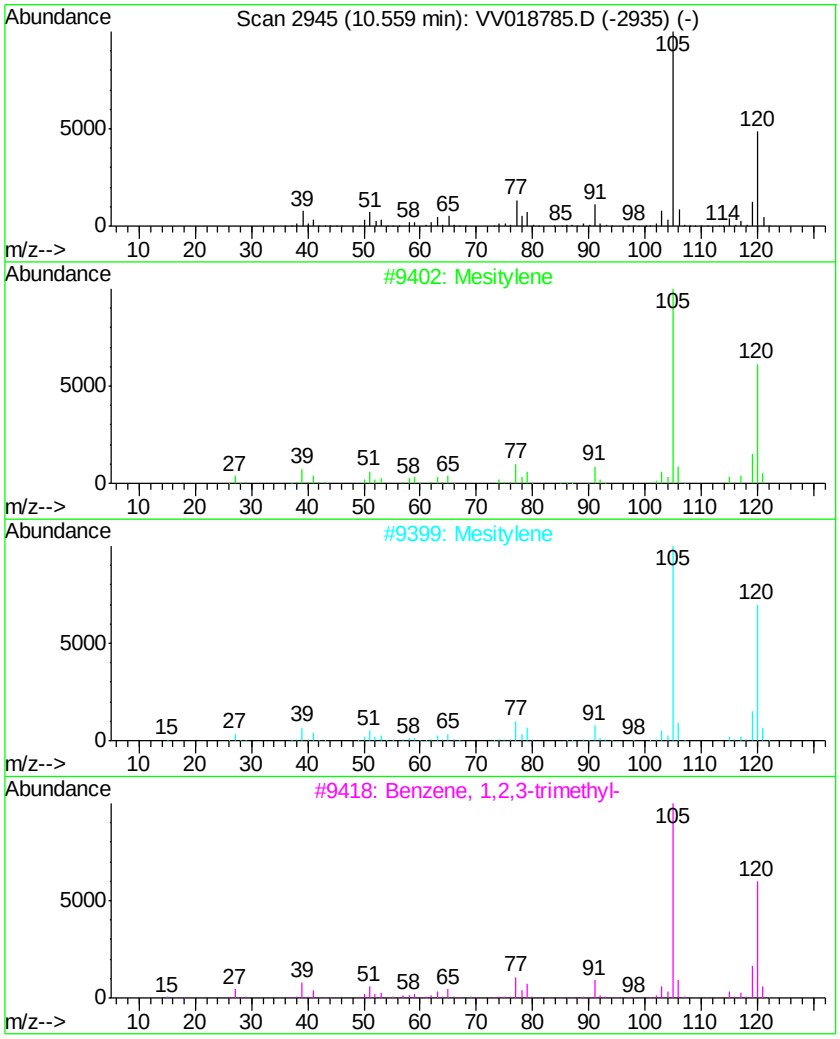
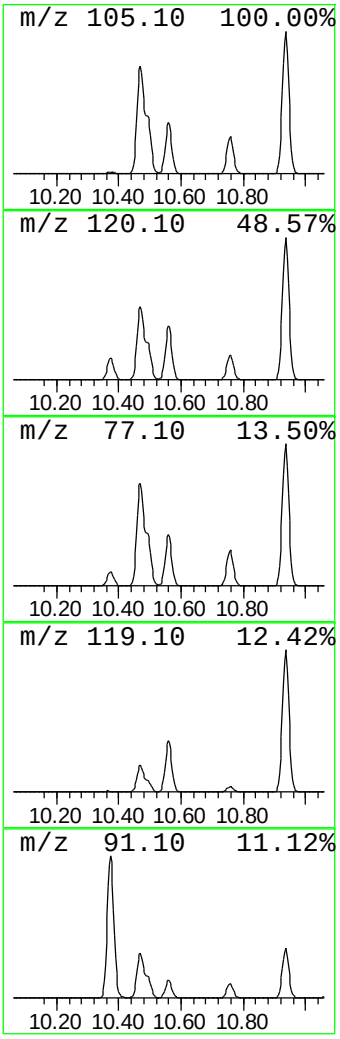
Peak Number 10 Mesitylene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.56	163.70 ug/L	3826020	1,4-Dichlorobenzene-d4	11.27

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





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Acq On : 09 Oct 2020 01:25
Operator : SY/MD
Sample : L4239-11DL 5X
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : BG3P7DL

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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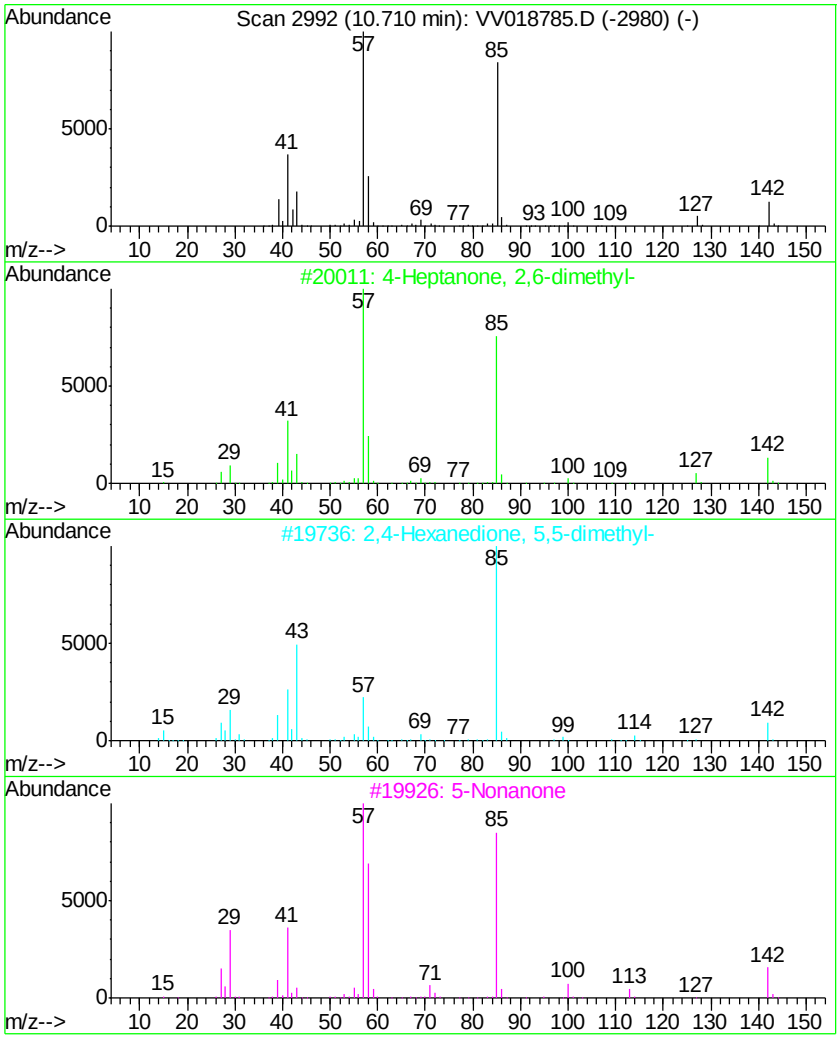
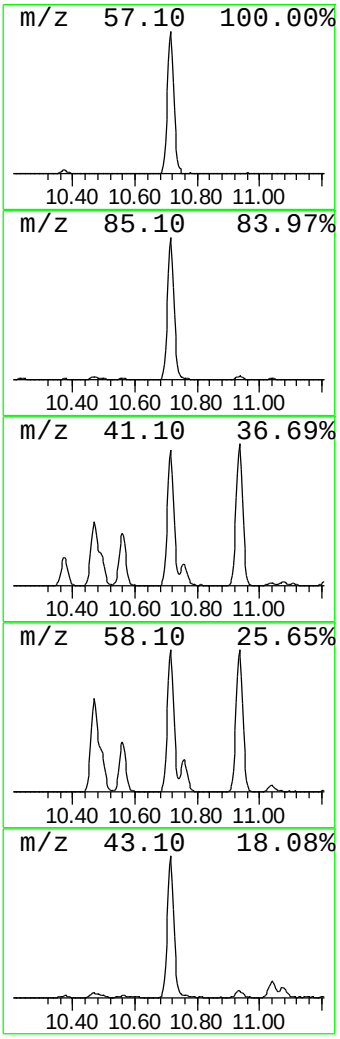
Peak Number 11 4-Heptanone, 2,6-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.71	42.98 ug/L	1004650	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	2,4-Hexanedione, 5,5-dimethyl-	142	C8H14O2	007307-04-2	59
3	5-Nonanone	142	C9H18O	000502-56-7	59
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 : L4239-11DL 5X
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : BG3P7DL

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

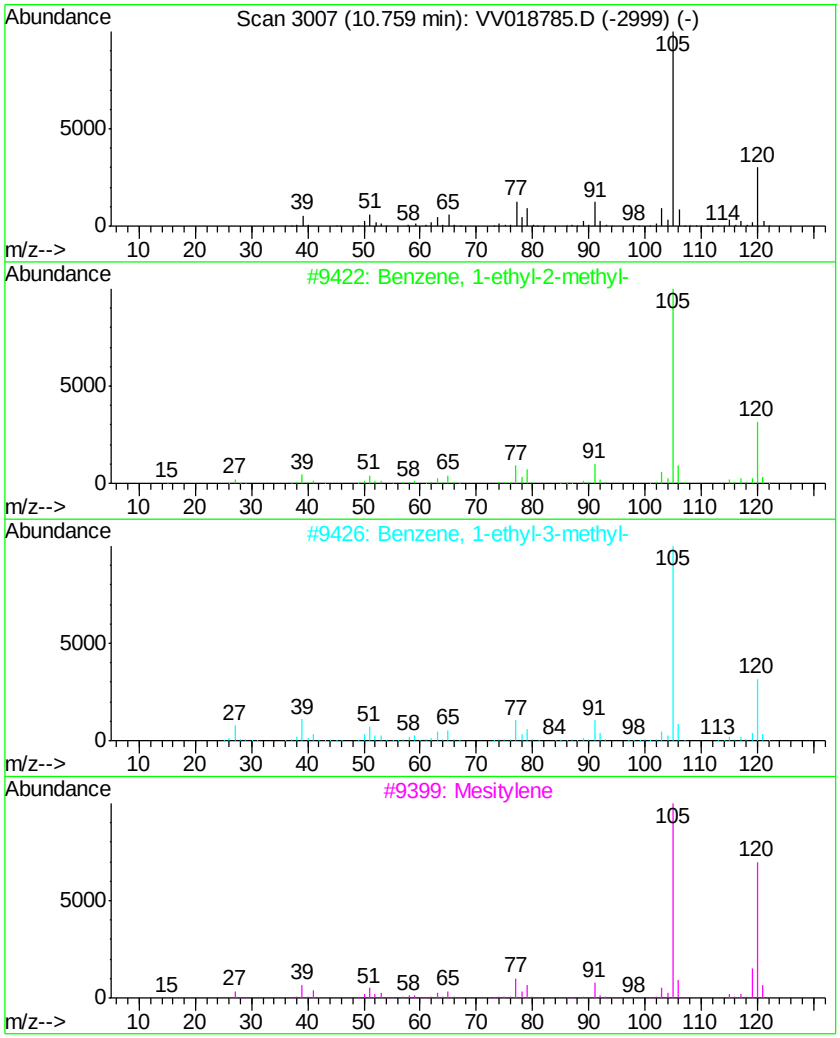
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

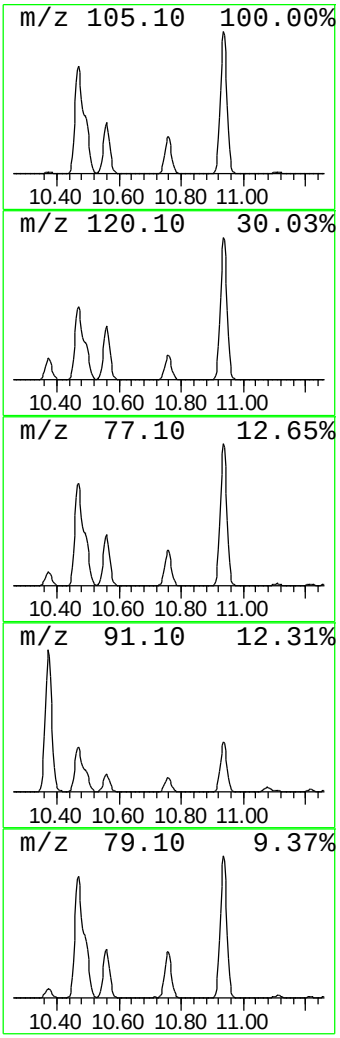
****

Peak Number 12 Benzene, 1-ethyl-2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.76	109.22 ug/L	2552750	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	94
2	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
3	Mesitylene	120	C9H12	000108-67-8	91
4	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
5	Mesitylene	120	C9H12	000108-67-8	91





Library Search Compound Report

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Data File : VV018785.D
Acq On : 09 Oct 2020 01:25
Operator : SY/MD
Sample : L4239-11DL 5X
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : BG3P7DL

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

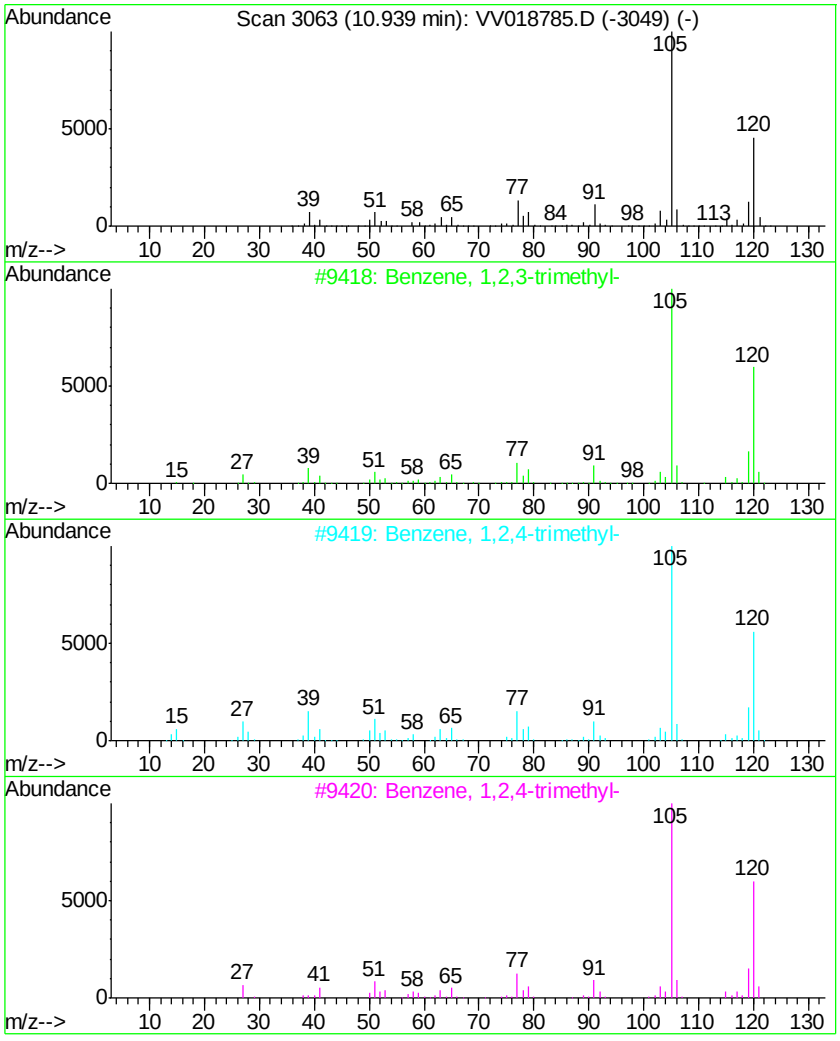
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

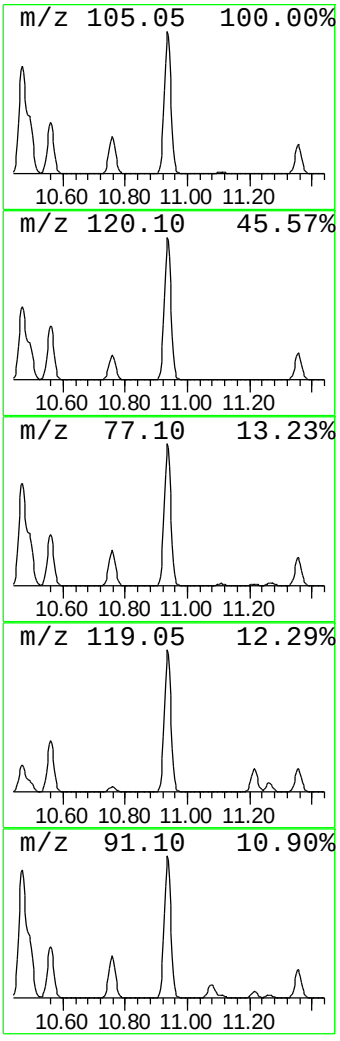
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.94	463.71 ug/L	10838000	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	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	95
4	Mesitylene	120	C9H12	000108-67-8	95
5	Mesitylene	120	C9H12	000108-67-8	94





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Operator : SY/MD
Sample : L4239-11DL 5X
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : BG3P7DL

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

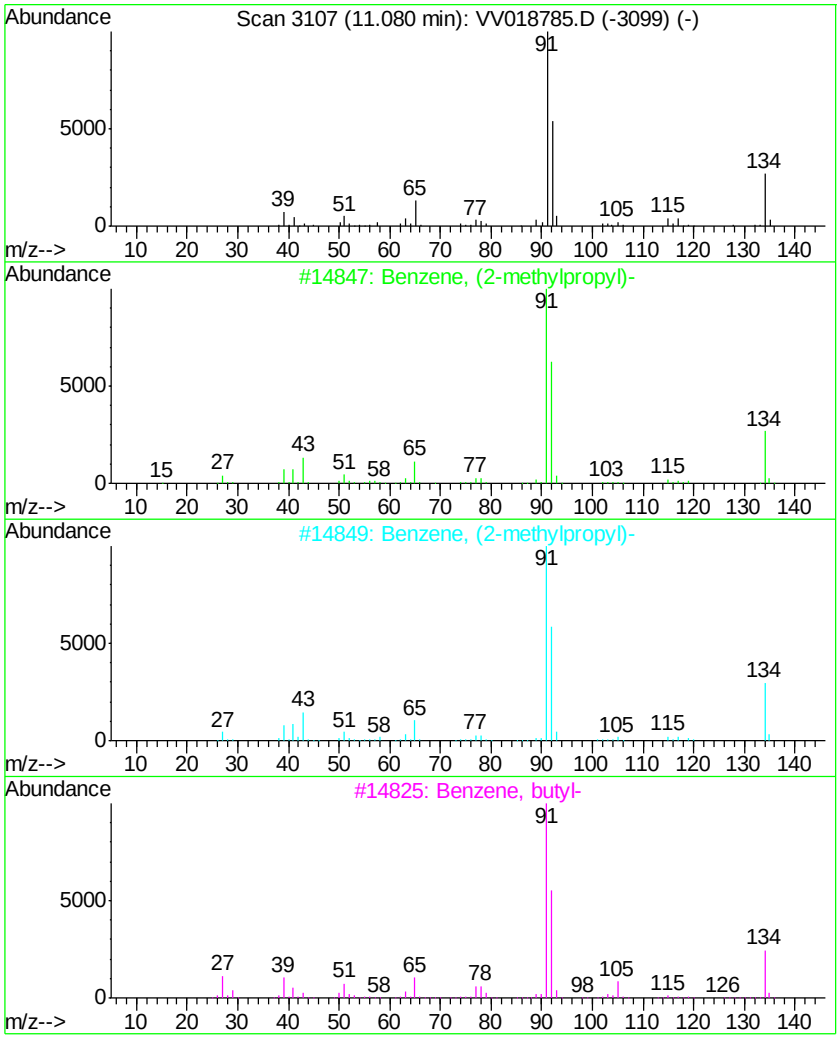
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

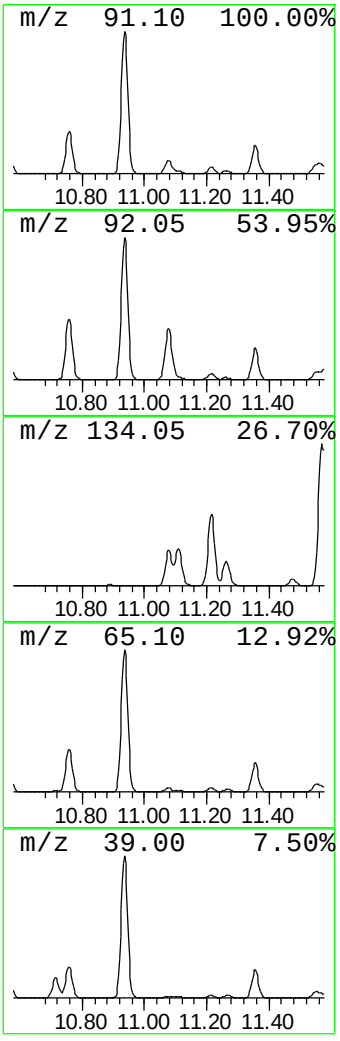
****

Peak Number 14 Benzene, (2-methylpropyl)- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.08	3.76 ug/L	87796	1,4-Dichlorobenzene-d4	11.27

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	83
3	Benzene, butyl-	134	C10H14	000104-51-8	80
4	Benzene, butyl-	134	C10H14	000104-51-8	80
5	Benzene, butyl-	134	C10H14	000104-51-8	80





Library Search Compound Report

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Sample : L4239-11DL 5X
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : BG3P7DL

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

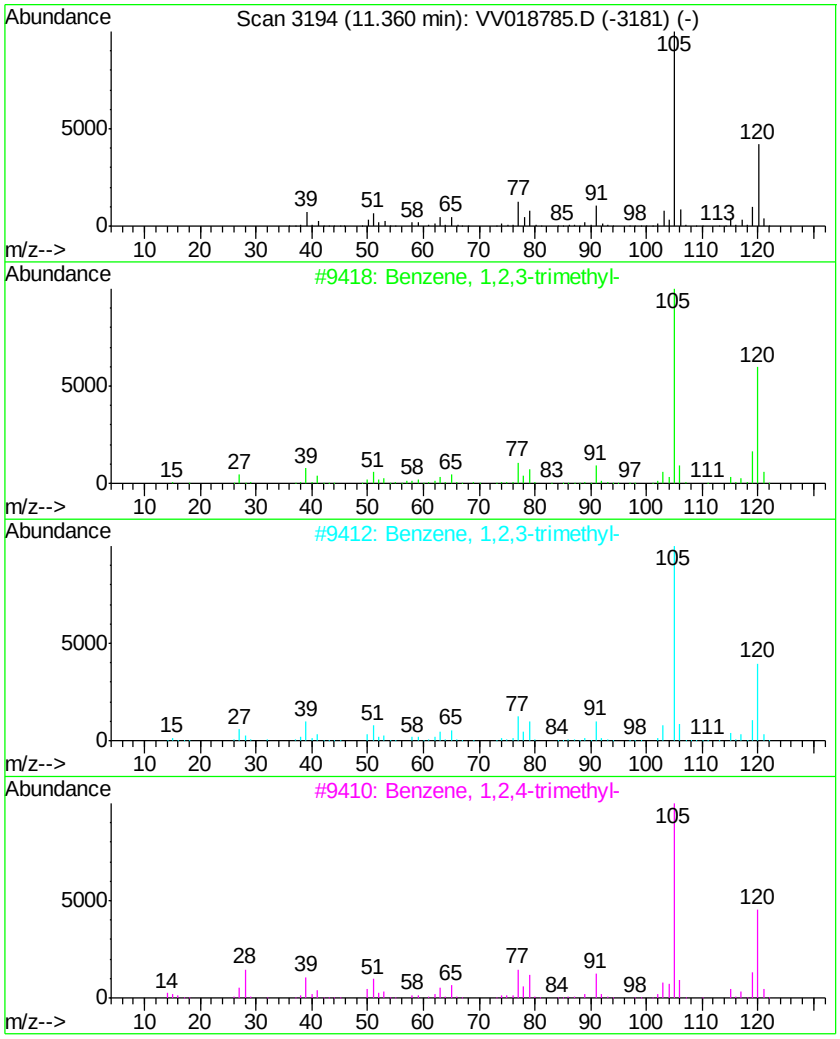
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

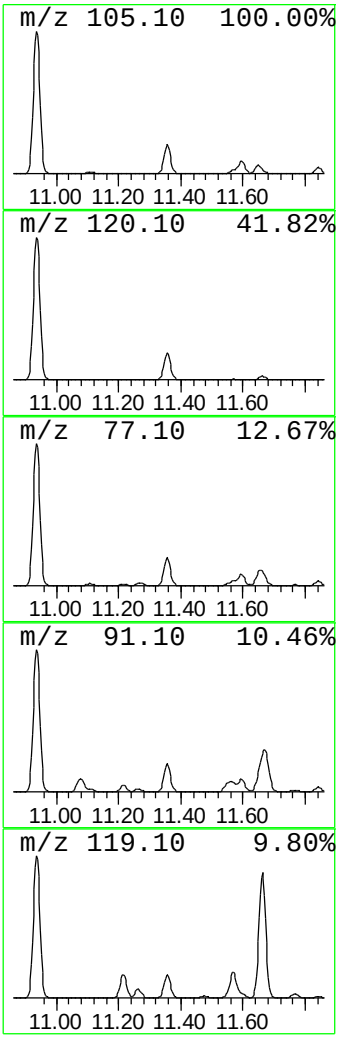
****

Peak Number 15 Benzene, 1,2,4-trimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.36	91.62 ug/L	2141430	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	93
5	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	93





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Sample : L4239-11DL 5X
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : BG3P7DL

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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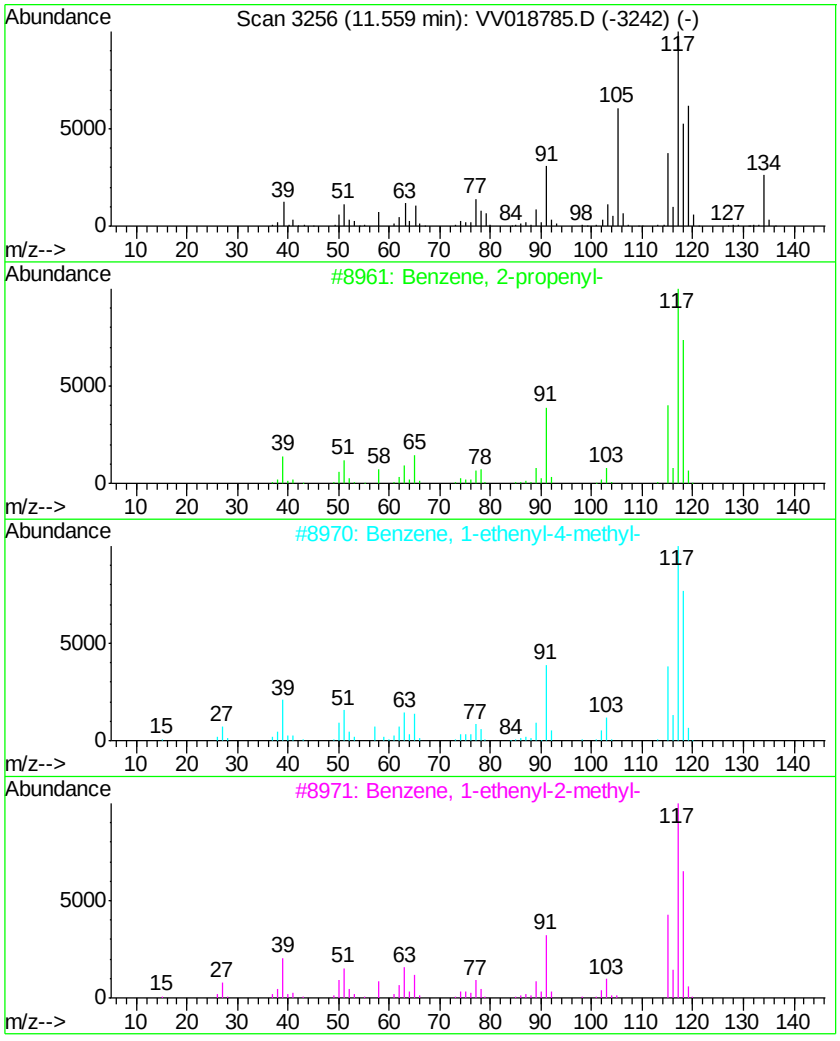
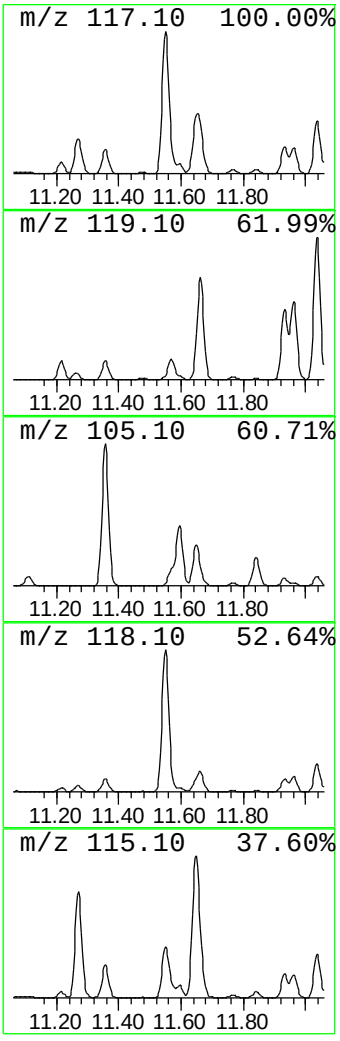
Peak Number 16 Benzene, 2-propenyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.56	32.76 ug/L	765651	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-propenyl-	118	C9H10	000300-57-2	91
2	Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	83
3	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	80
4	Deltacyclene	118	C9H10	007785-10-6	78
5	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	60





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Sample : L4239-11DL 5X
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : BG3P7DL

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Quant Title : VOC Analysis

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

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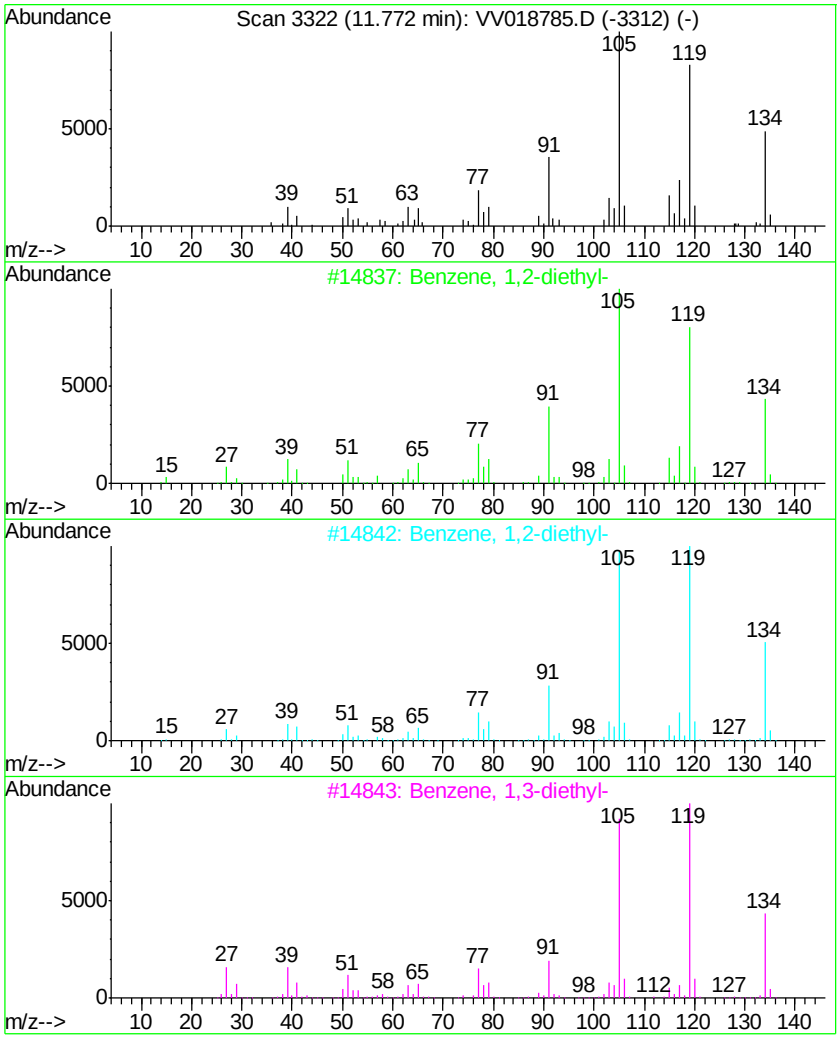
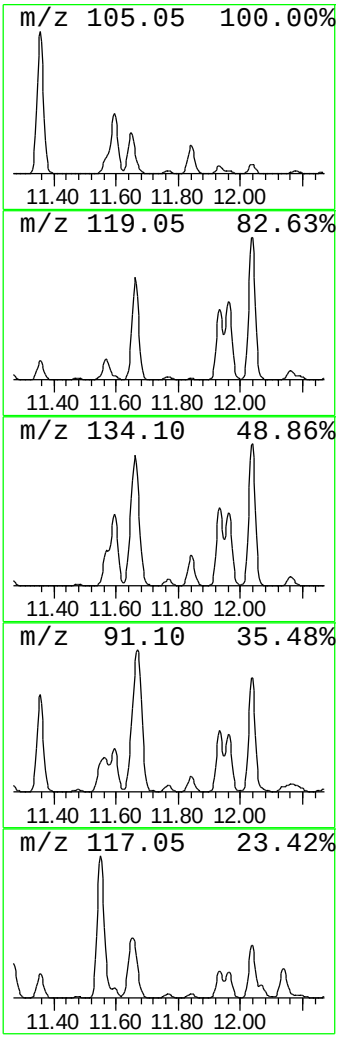
Peak Number 17 Benzene, 1,2-diethyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.77	3.30 ug/L	77161	1,4-Dichlorobenzene-d4	11.27

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	90
3	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	87
4	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	87
5	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	87





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Data File : VV018785.D
Acq On : 09 Oct 2020 01:25
Operator : SY/MD
Sample : L4239-11DL 5X
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : BG3P7DL

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

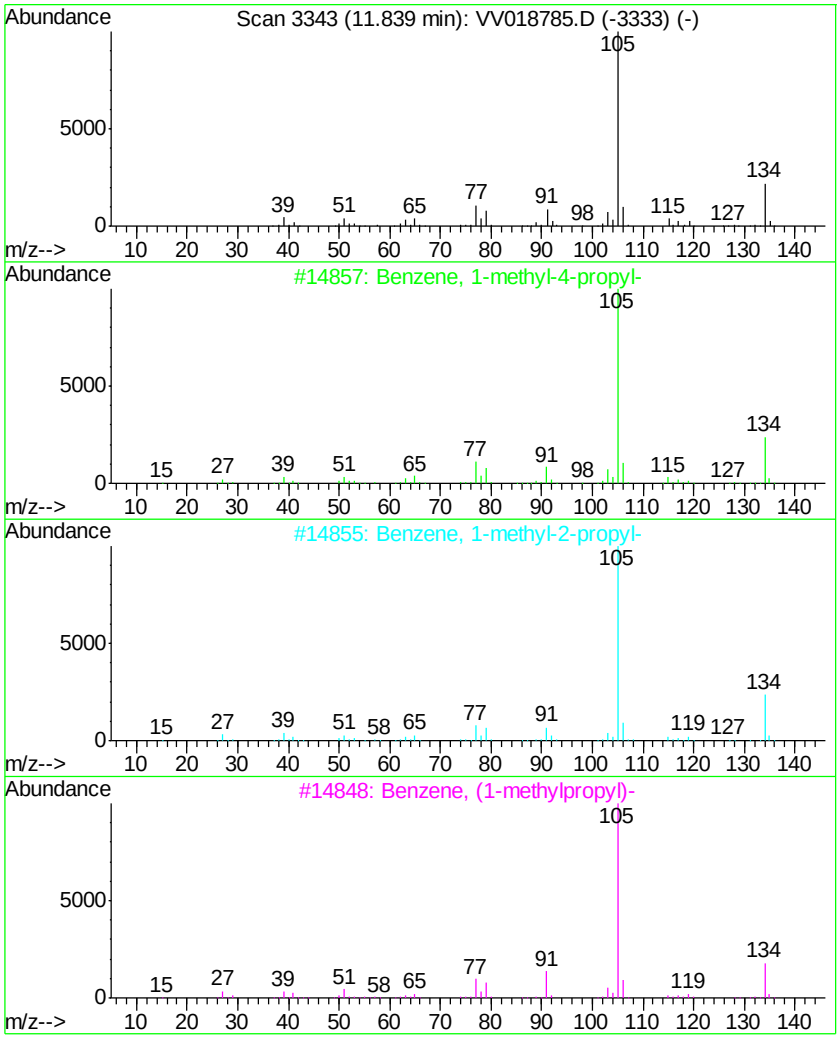
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

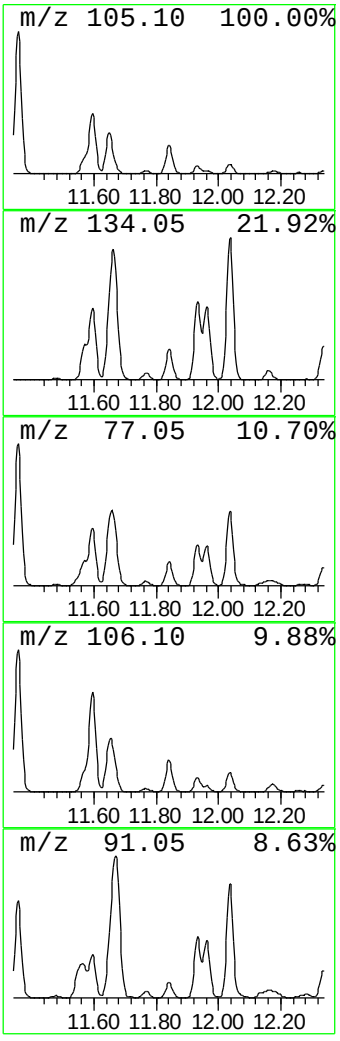
****

Peak Number 18 Benzene, 1-methyl-4-propyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.84	15.23 ug/L	355941	1,4-Dichlorobenzene-d4	11.27

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-2-propyl-	134	C10H14	001074-17-5	91
3	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	91
4	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	91
5	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	90





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Data File : VV018785.D
Acq On : 09 Oct 2020 01:25
Operator : SY/MD
Sample : L4239-11DL 5X
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : BG3P7DL

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

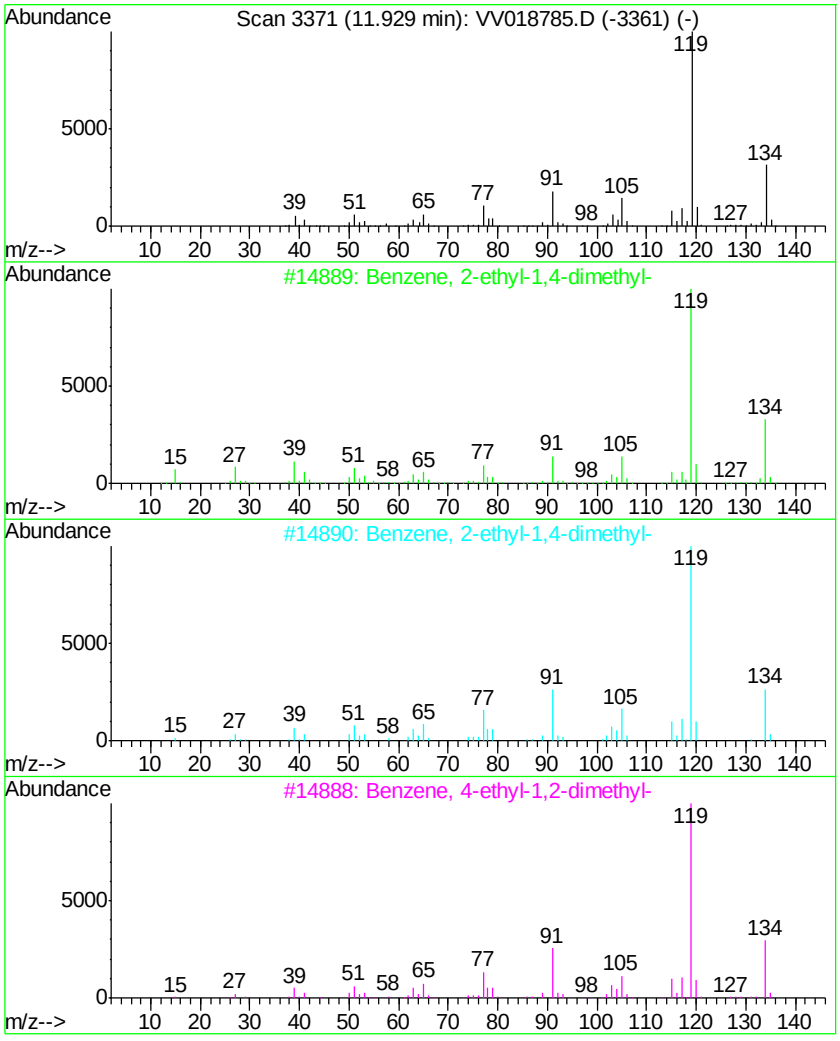
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

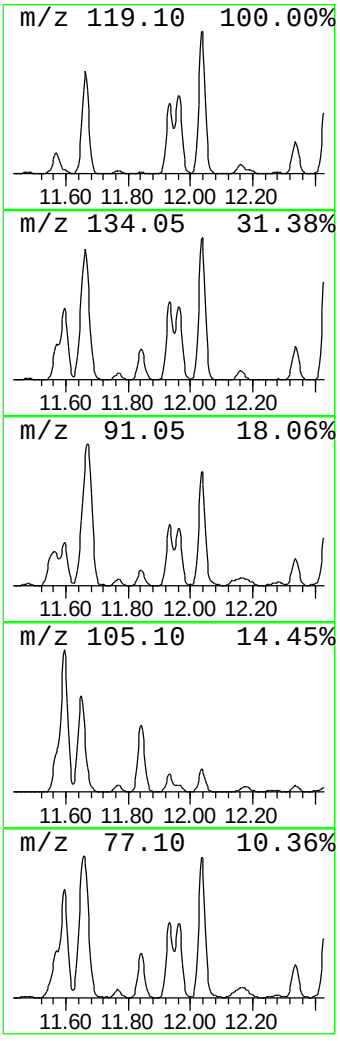
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.93	35.51 ug/L	829984	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	97
2	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	96
3	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	96
4	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
5	o-Cymene	134	C10H14	000527-84-4	95





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Data File : VV018785.D
Acq On : 09 Oct 2020 01:25
Operator : SY/MD
Sample : L4239-11DL 5X
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : BG3P7DL

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

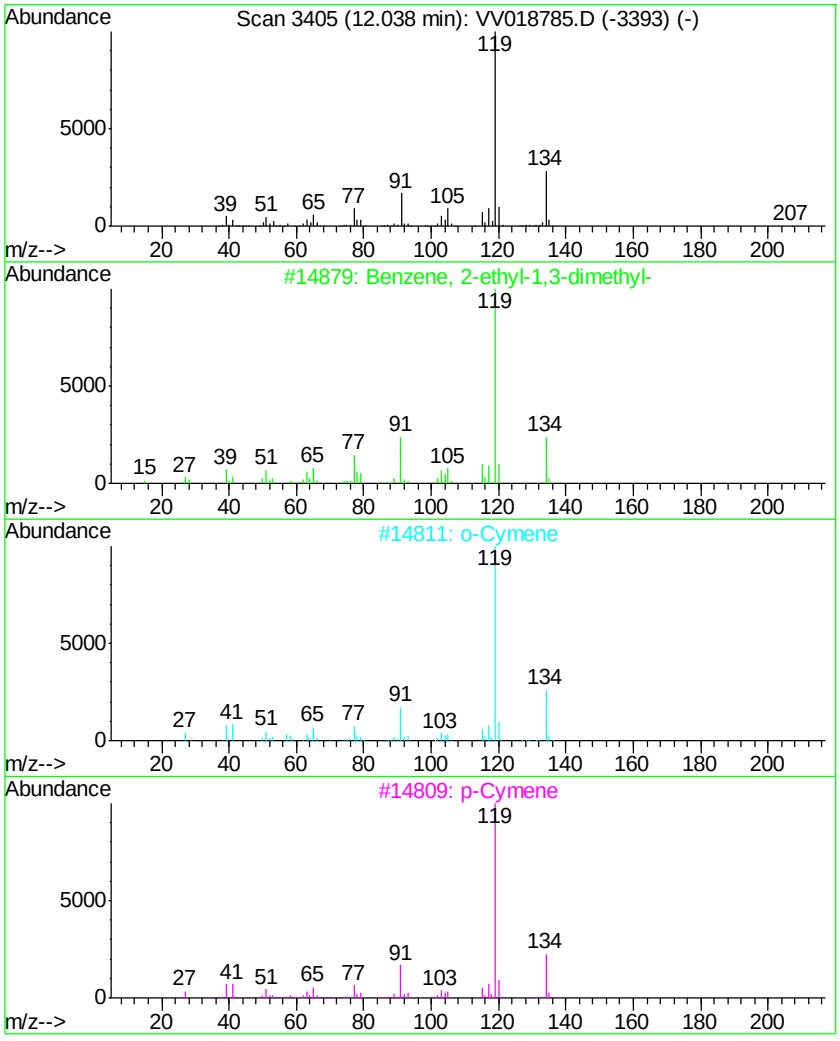
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

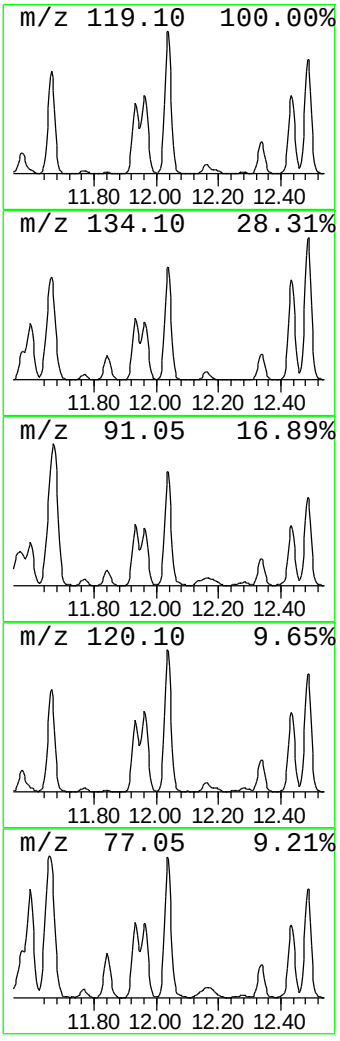
****

Peak Number 20 Benzene, 2-ethyl-1,3-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.04	65.99 ug/L	1542240	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	95
2	o-Cymene	134	C10H14	000527-84-4	95
3	p-Cymene	134	C10H14	000099-87-6	95
4	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95
5	o-Cymene	134	C10H14	000527-84-4	95





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Data File : VV018785.D
Acq On : 09 Oct 2020 01:25
Operator : SY/MD
Sample : L4239-11DL 5X
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : BG3P7DL

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

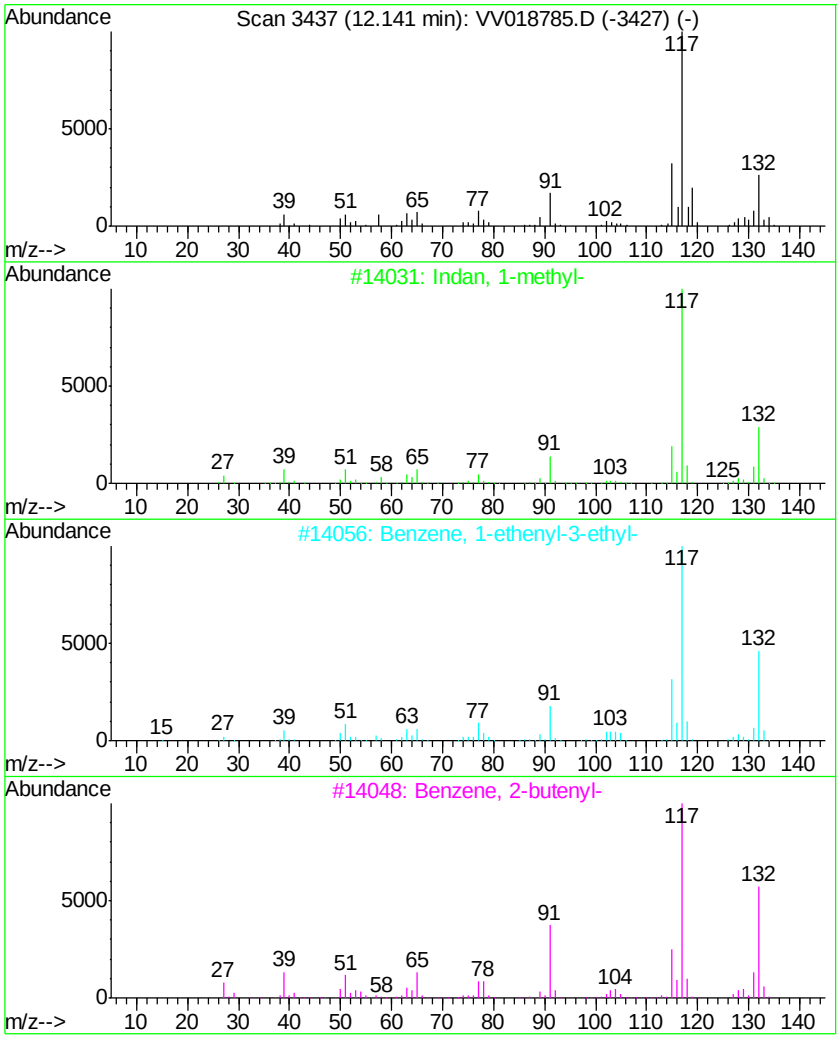
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

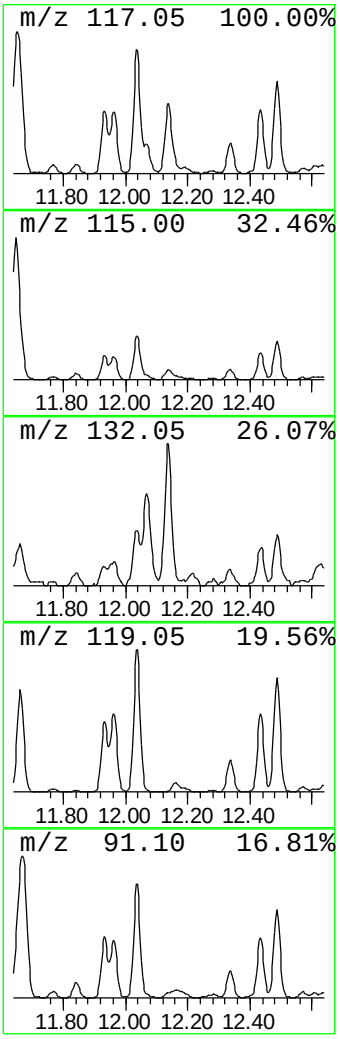
****

Peak Number 21 Indan, 1-methyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.14	3.13 ug/L	73125	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indan, 1-methyl-	132	C10H12	000767-58-8	76
2	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	74
3	Benzene, 2-butenyl-	132	C10H12	001560-06-1	74
4	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	74
5	Indan, 1-methyl-	132	C10H12	000767-58-8	70





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV100920\
Data File : VV018785.D
Acq On : 09 Oct 2020 01:25
Operator : SY/MD
Sample : L4239-11DL 5X
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : BG3P7DL

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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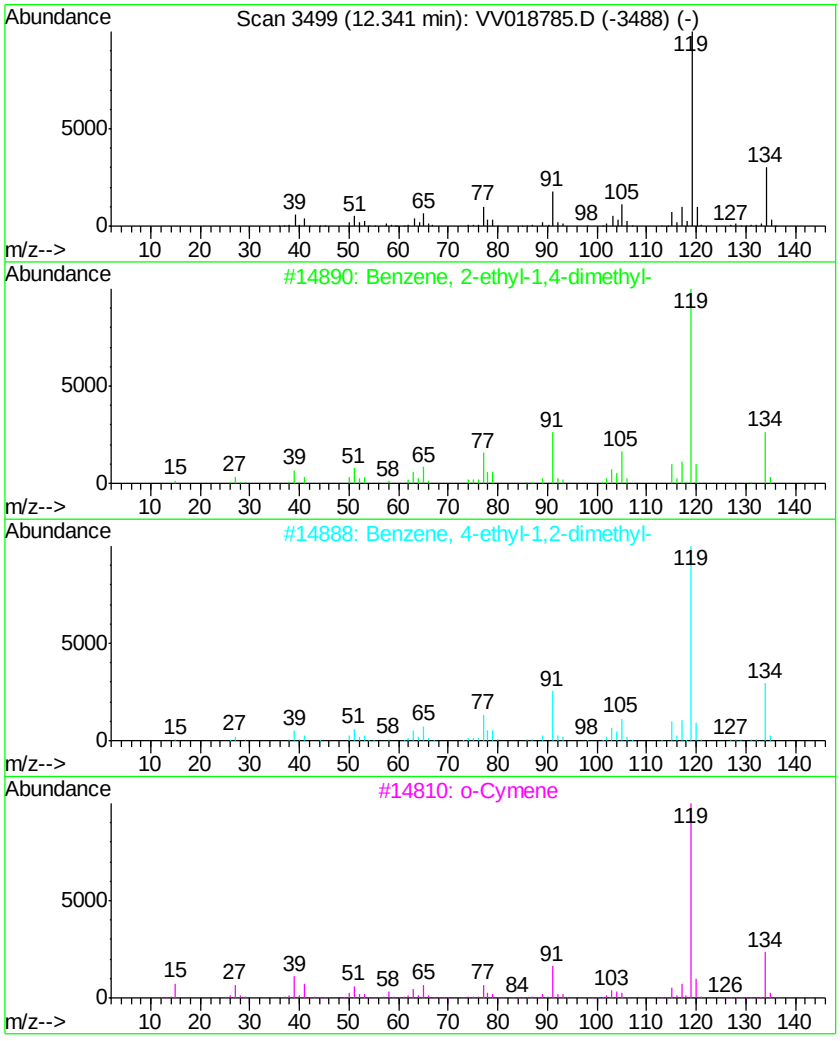
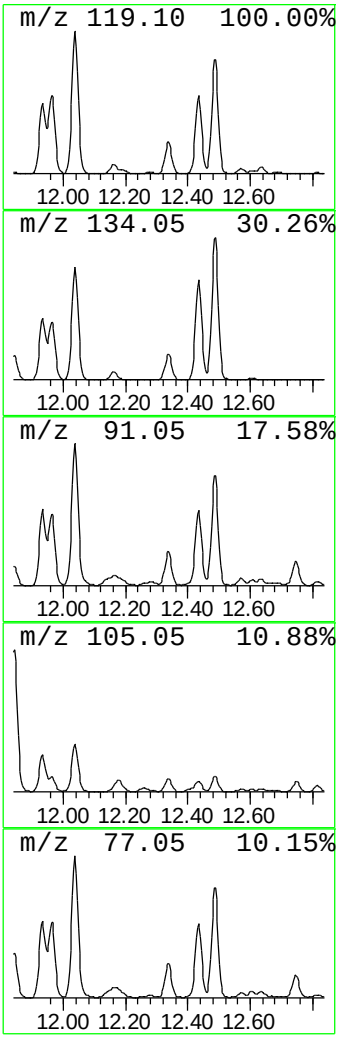
Peak Number 22 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.34	15.71 ug/L	367244	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, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	96
3	o-Cymene	134	C10H14	000527-84-4	95
4	p-Cymene	134	C10H14	000099-87-6	95
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV100920\
Data File : VV018785.D
Acq On : 09 Oct 2020 01:25
Operator : SY/MD
Sample : L4239-11DL 5X
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : BG3P7DL

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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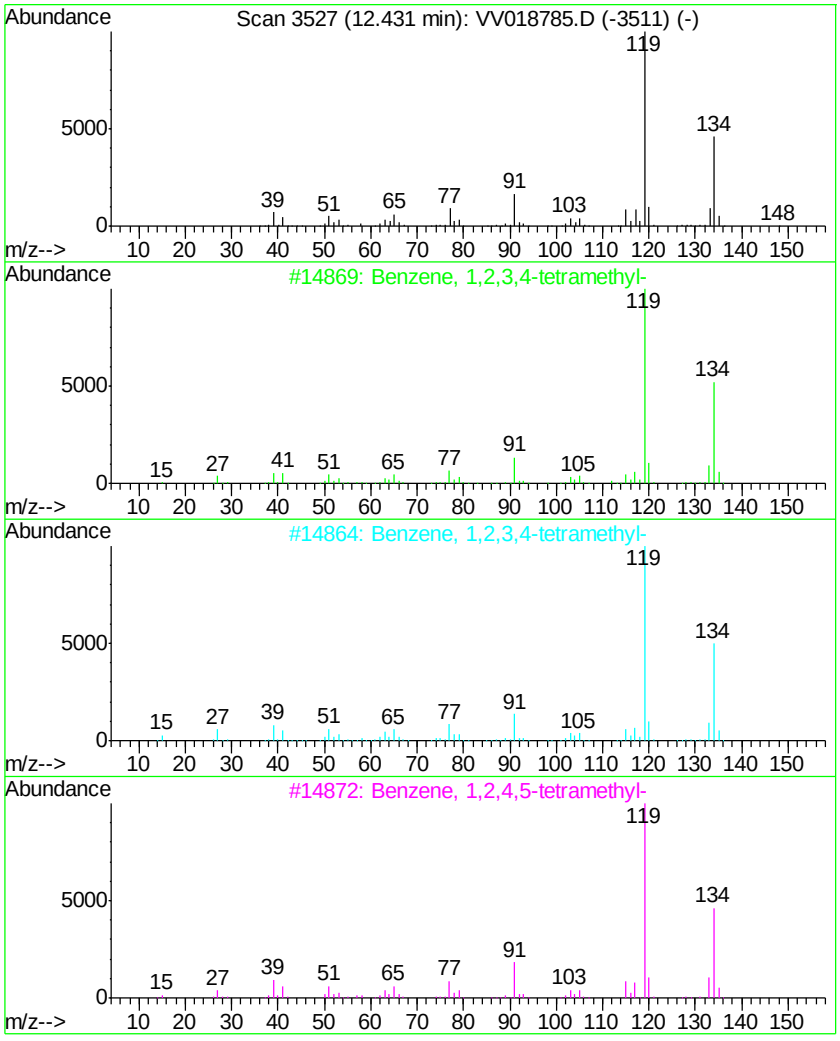
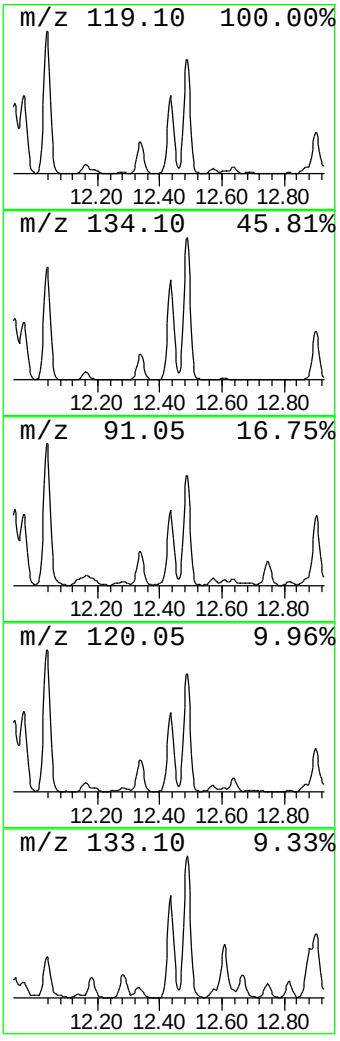
Peak Number 23 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.43	38.74 ug/L	905538	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, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	97
3	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	96
4	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95
5	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV100920\
Data File : VV018785.D
Acq On : 09 Oct 2020 01:25
Operator : SY/MD
Sample : L4239-11DL 5X
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : BG3P7DL

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

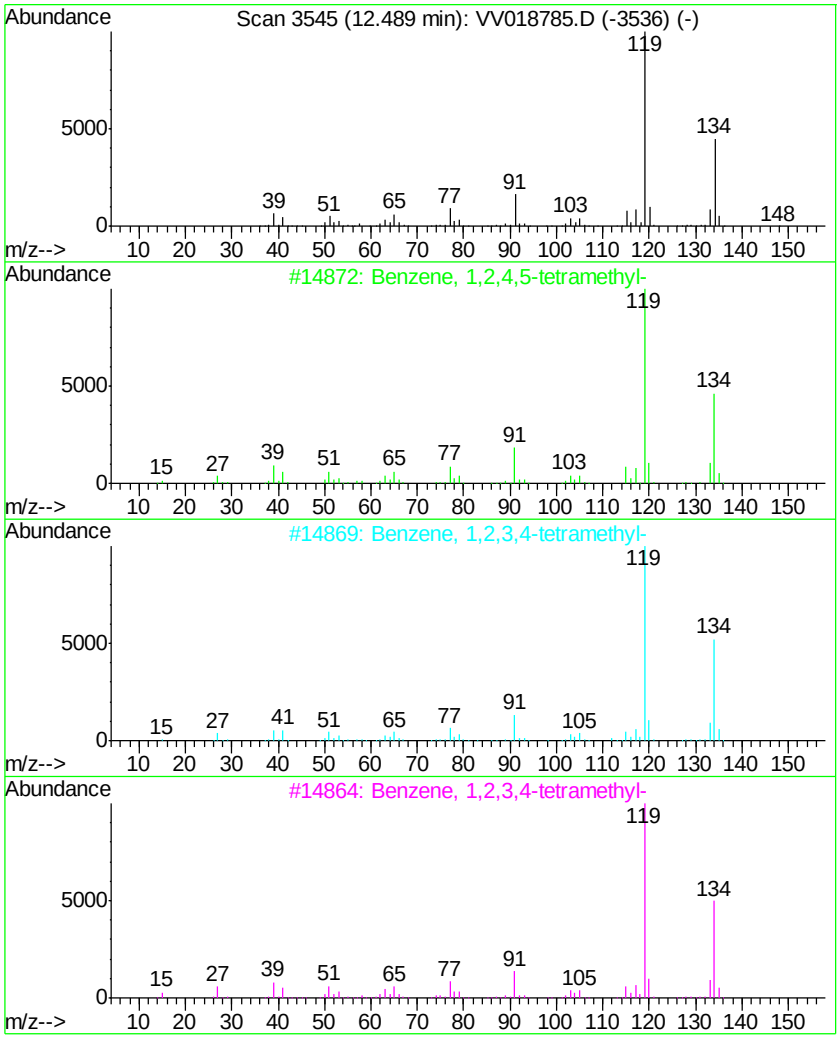
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

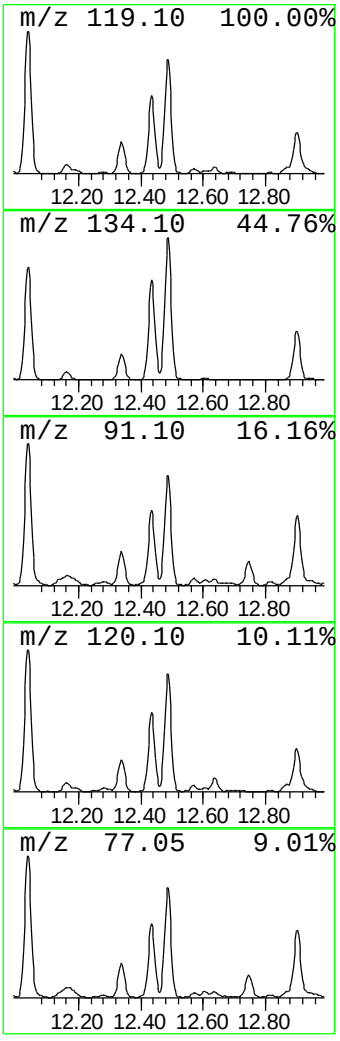
****

Peak Number 24 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.49	55.97 ug/L	1308150	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, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	97
3	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	97
4	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95
5	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95





Library Search Compound Report

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Data File : VV018785.D
Acq On : 09 Oct 2020 01:25
Operator : SY/MD
Sample : L4239-11DL 5X
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : BG3P7DL

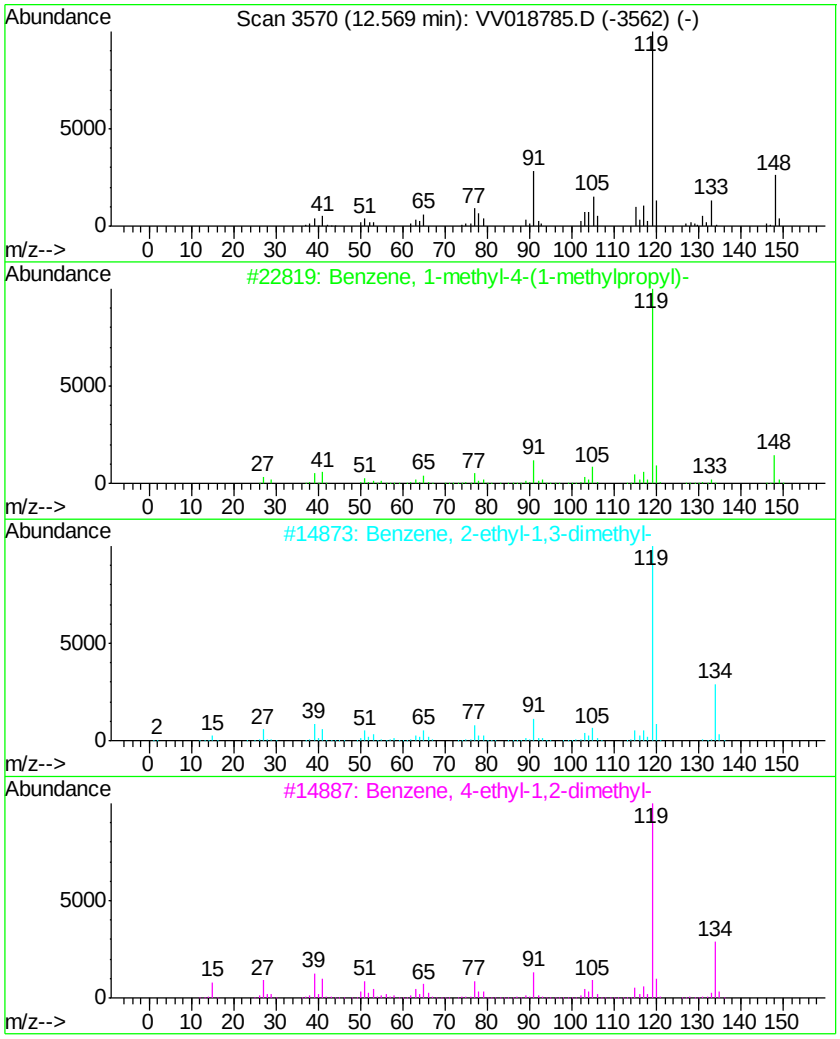
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM100820WMA.M
Quant Title : VOC Analysis

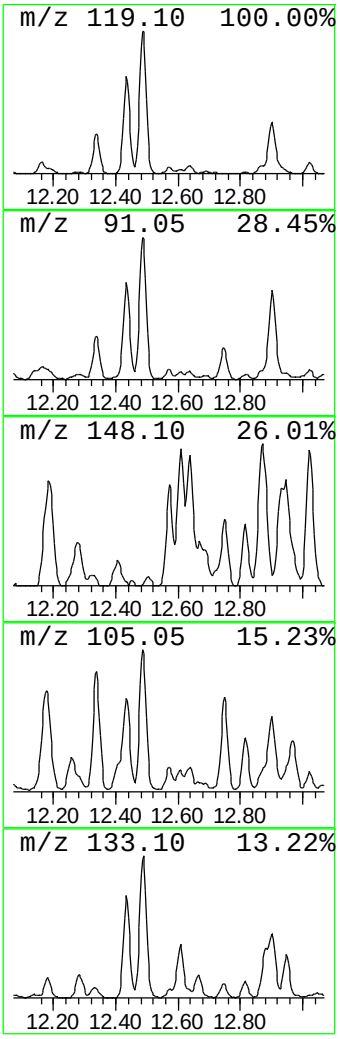
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 25 Benzene, 1-methyl-4-(1-meth... Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.57	2.50 ug/L	58481	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	87
2	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	76
3	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	68
4	o-Cymene	134	C10H14	000527-84-4	64
5	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	64





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Data File : VV018785.D
Acq On : 09 Oct 2020 01:25
Operator : SY/MD
Sample : L4239-11DL 5X
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : BG3P7DL

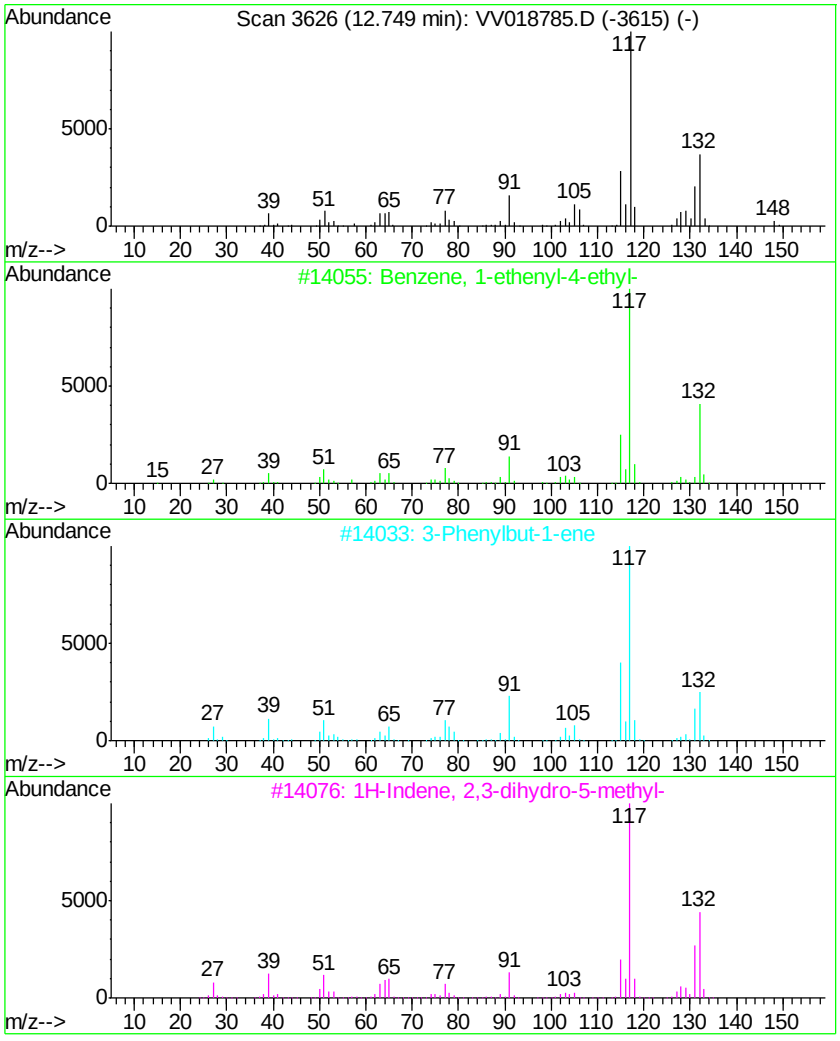
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM100820WMA.M
Quant Title : VOC Analysis

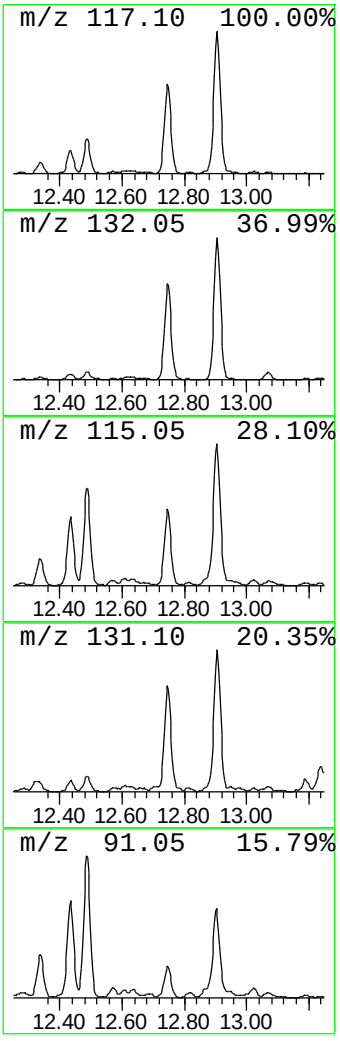
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 26 Benzene, 1-ethenyl-4-ethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.75	16.13 ug/L	377087	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	93
2	3-Phenylbut-1-ene	132	C10H12	000934-10-1	90
3	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	90
4	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	90
5	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	87





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Data File : VV018785.D
Acq On : 09 Oct 2020 01:25
Operator : SY/MD
Sample : L4239-11DL 5X
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : BG3P7DL

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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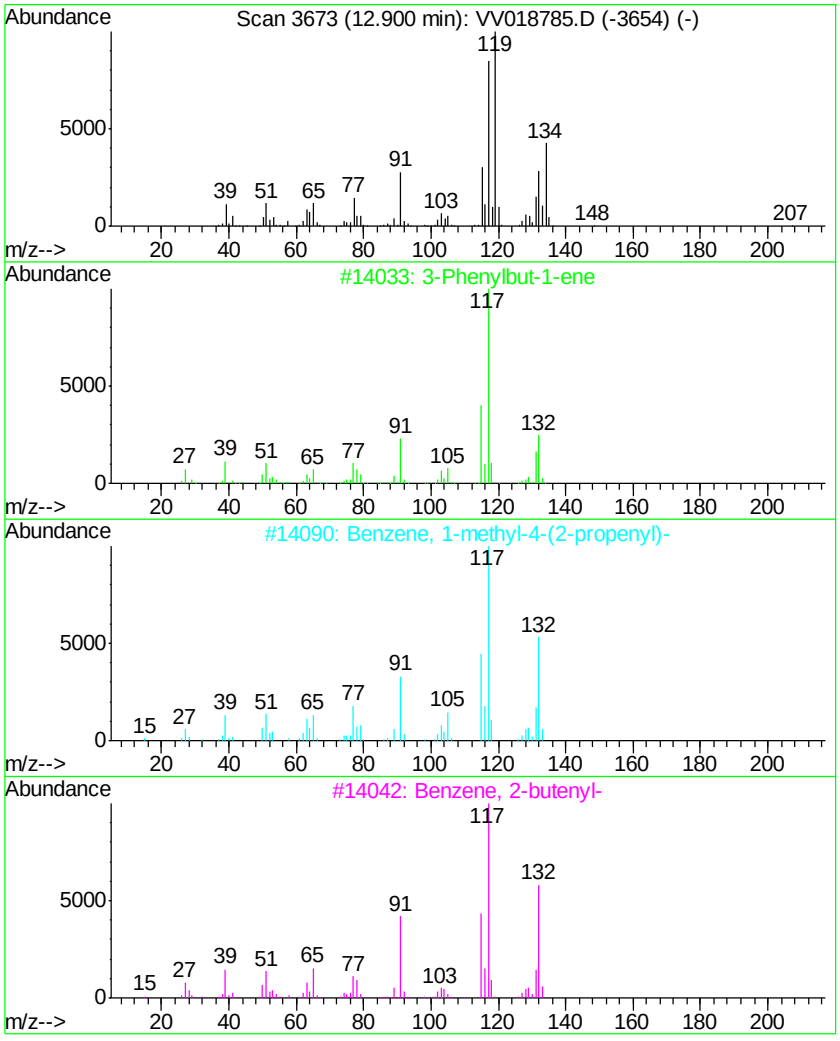
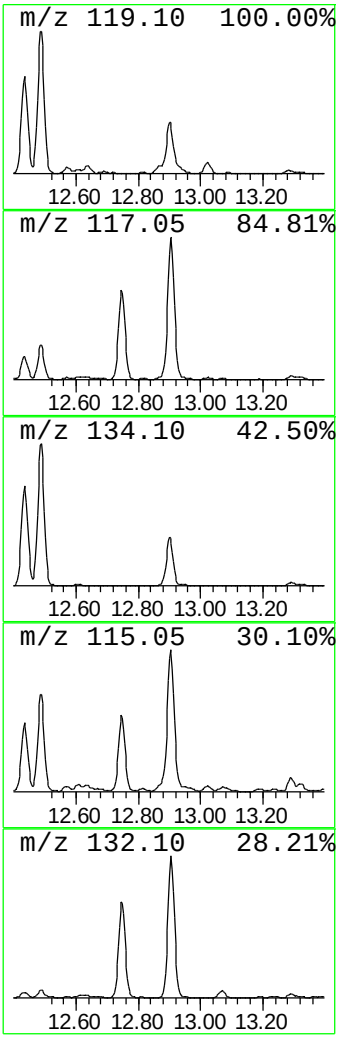
Peak Number 27 3-Phenylbut-1-ene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.90	46.42 ug/L	1084870	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Phenylbut-1-ene	132	C10H12	000934-10-1	86
2	Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	64
3	Benzene, 2-butenyl-	132	C10H12	001560-06-1	50
4	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	50
5	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	50





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Data File : VV018785.D
Acq On : 09 Oct 2020 01:25
Operator : SY/MD
Sample : L4239-11DL 5X
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : BG3P7DL

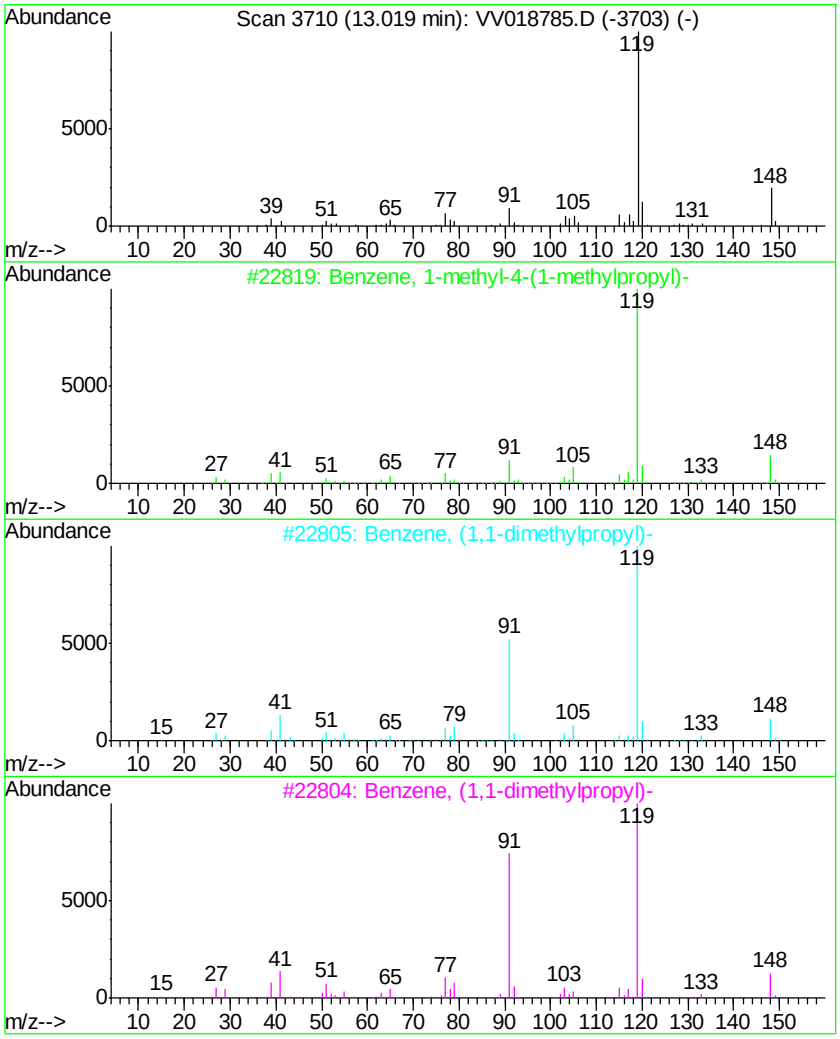
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM100820WMA.M
Quant Title : VOC Analysis

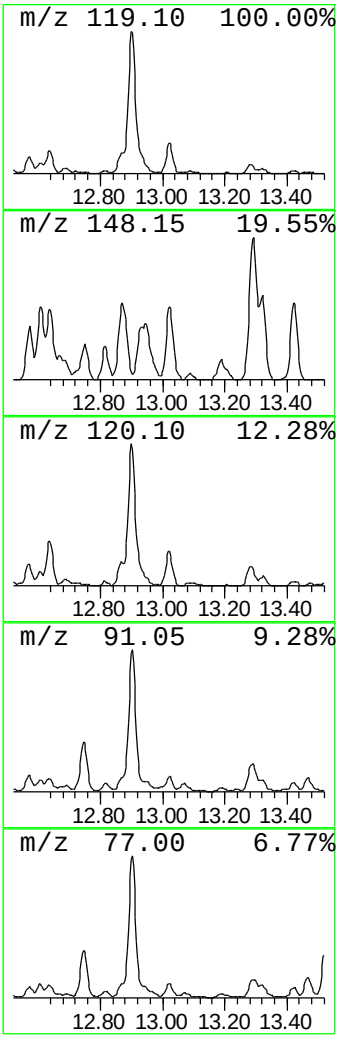
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 28 Benzene, (1,1-dimethylpropyl)- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.02	3.07 ug/L	71820	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	91
2	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	78
3	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	78
4	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	72
5	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	72





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Acq On : 09 Oct 2020 01:25
Operator : SY/MD
Sample : L4239-11DL 5X
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : BG3P7DL

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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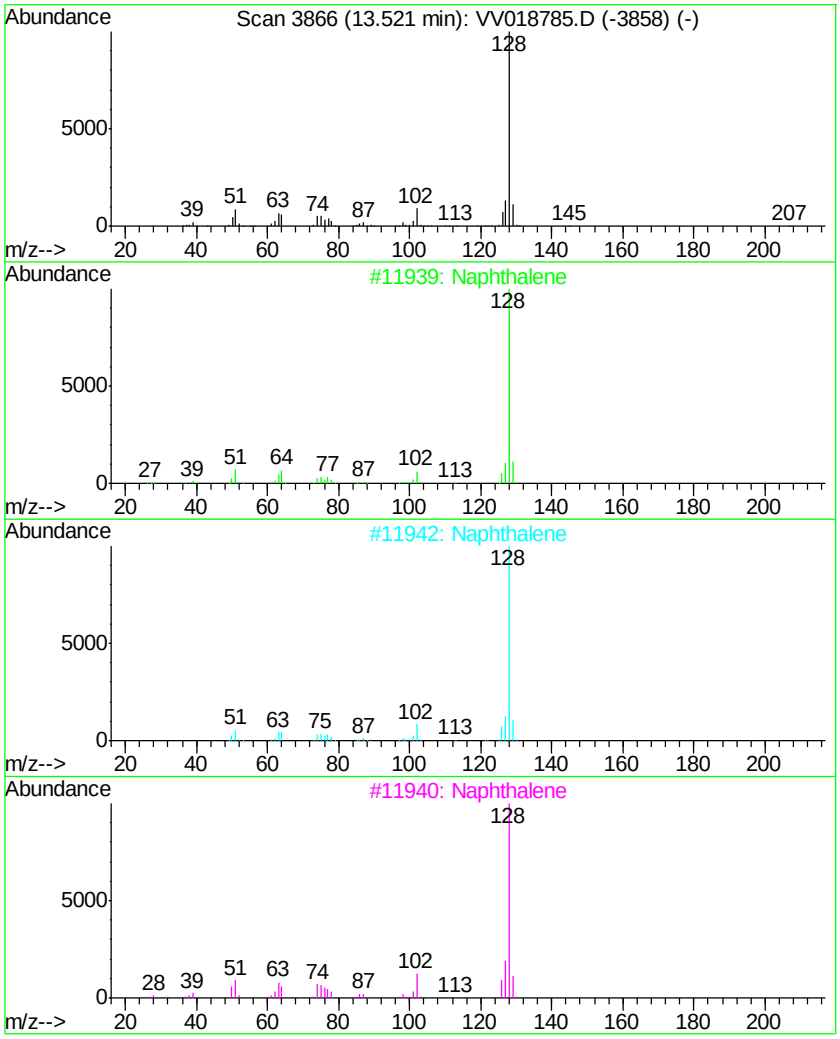
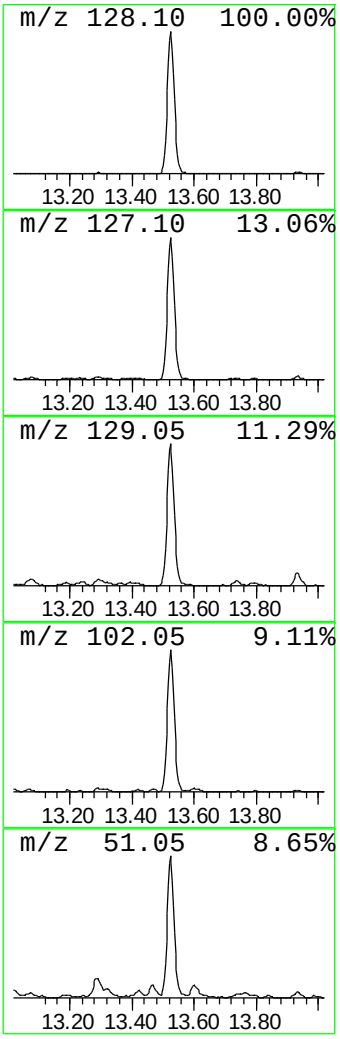
Peak Number 29 Azulene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.52	21.89 ug/L	511506	1,4-Dichlorobenzene-d4	11.27

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





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV100920\
Data File : VV018785.D
Acq On : 09 Oct 2020 01:25
Operator : SY/MD
Sample : L4239-11DL 5X
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : BG3P7DL

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

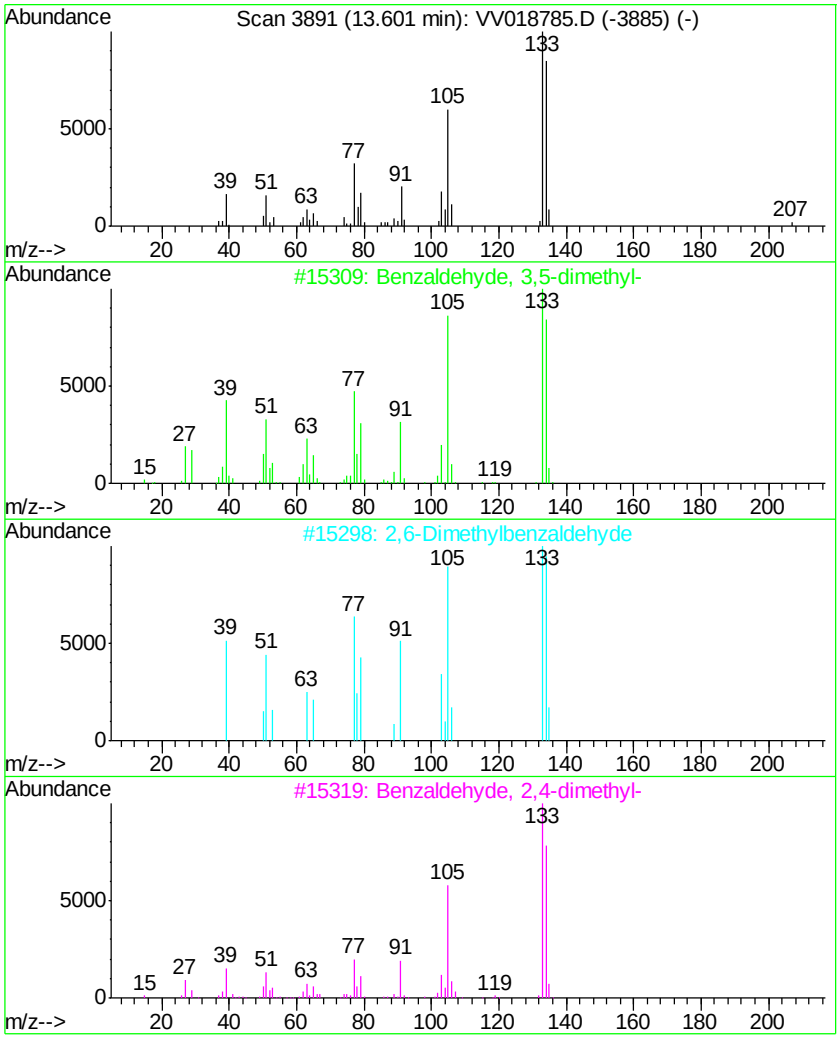
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

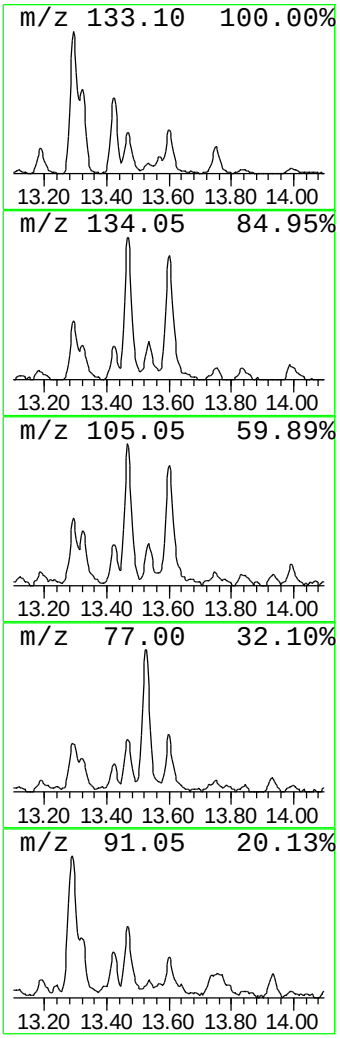
****

Peak Number 30 Benzaldehyde, 3,5-dimethyl- Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.60	2.88 ug/L	67355	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzaldehyde, 3,5-dimethyl-	134	C9H10O	005779-95-3	94
2	2,6-Dimethylbenzaldehyde	134	C9H10O	001123-56-4	93
3	Benzaldehyde, 2,4-dimethyl-	134	C9H10O	015764-16-6	91
4	Benzaldehyde, 2,4-dimethyl-	134	C9H10O	015764-16-6	91
5	Benzaldehyde, 3,4-dimethyl-	134	C9H10O	005973-71-7	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV100920\
Data File : VV018785.D
Acq On : 09 Oct 2020 01:25
Operator : SY/MD
Sample : L4239-11DL 5X
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : BG3P7DL

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	80.0	ug/L	1317580	1	5.64	823538	50.0
(DEL) Alkane: Str...	2.78	162.0	ug/L	2667830	1	5.64	823538	50.0
(DEL) Alkane: Str...	3.06	245.8	ug/L	4048600	1	5.64	823538	50.0
(DEL) Alkane: Str...	3.56	12.6	ug/L	207699	1	5.64	823538	50.0
(DEL) Alkane: Str...	3.69	7.4	ug/L	122470	1	5.64	823538	50.0
(DEL) Alkane: Cyc...	3.79	72.1	ug/L	1188260	1	5.64	823538	50.0
Benzene, propyl-	10.37	101.5	ug/L	2372890	3	11.27	1168620	50.0
Benzene, 1-ethyl-...	10.47	447.9	ug/L	10469100	3	11.27	1168620	50.0
Mesitylene	10.56	163.7	ug/L	3826020	3	11.27	1168620	50.0
4-Heptanone, 2,6-...	10.71	43.0	ug/L	1004650	3	11.27	1168620	50.0
Benzene, 1-ethyl-...	10.76	109.2	ug/L	2552750	3	11.27	1168620	50.0
Benzene, 1,2,3-tr...	10.94	463.7	ug/L	10838000	3	11.27	1168620	50.0
Benzene, (2-methy...	11.08	3.8	ug/L	87796	3	11.27	1168620	50.0
Benzene, 1,2,4-tr...	11.36	91.6	ug/L	2141430	3	11.27	1168620	50.0
Benzene, 2-propenyl-	11.56	32.8	ug/L	765651	3	11.27	1168620	50.0
Benzene, 1,2-diet...	11.77	3.3	ug/L	77161	3	11.27	1168620	50.0
Benzene, 1-methyl...	11.84	15.2	ug/L	355941	3	11.27	1168620	50.0
Benzene, 2-ethyl-...	11.93	35.5	ug/L	829984	3	11.27	1168620	50.0
Benzene, 2-ethyl-...	12.04	66.0	ug/L	1542240	3	11.27	1168620	50.0
Indan, 1-methyl-	12.14	3.1	ug/L	73125	3	11.27	1168620	50.0
Benzene, 4-ethyl-...	12.34	15.7	ug/L	367244	3	11.27	1168620	50.0
Benzene, 1,2,3,4-...	12.43	38.7	ug/L	905538	3	11.27	1168620	50.0
Benzene, 1,2,4,5-...	12.49	56.0	ug/L	1308150	3	11.27	1168620	50.0
Benzene, 1-methyl...	12.57	2.5	ug/L	58481	3	11.27	1168620	50.0
Benzene, 1-etheny...	12.75	16.1	ug/L	377087	3	11.27	1168620	50.0
3-Phenylbut-1-ene	12.90	46.4	ug/L	1084870	3	11.27	1168620	50.0
Benzene, (1,1-dim...	13.02	3.1	ug/L	71820	3	11.27	1168620	50.0
Azulene	13.52	21.9	ug/L	511506	3	11.27	1168620	50.0
Benzaldehyde, 3,5...	13.60	2.9	ug/L	67355	3	11.27	1168620	50.0