LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU103119\
Data File : VU035568.D
Acq On : 30 Oct 2019 18:15
Operator : JC/SP
Sample : K5538-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF6M1

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\SOMULM103119WMA.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	1.372	4	10	20	rBV2	35353	39735	0.29%	0.044%
2	1.491	38	47	60	rBV2	37898	92979	0.67%	0.102%
3	1.617	76	86	98	rBV2	563555	708654	5.12%	0.778%
4	1.932	176	184	199	rVB	267396	360356	2.61%	0.395%
5	2.012	203	209	222	rVB	40912	57997	0.42%	0.064%
6	2.318	296	304	321	rBV	72373	136226	0.99%	0.149%
7	2.491	351	358	370	rVB	32740	52673	0.38%	0.058%
8	2.594	377	390	403	rBV	481802	814904	5.89%	0.894%
9	2.668	403	413	423	rVV	172041	290660	2.10%	0.319%
10	2.813	447	458	477	rBV2	70257	150546	1.09%	0.165%
11	3.173	561	570	581	rBV5	20239	53712	0.39%	0.059%
12	3.237	583	590	612	rVB3	34148	78354	0.57%	0.086%
13	3.398	627	640	659	rVB3	19880	45329	0.33%	0.050%
14	3.922	777	803	827	rBV2	86430	231723	1.68%	0.254%
15	4.057	827	845	859	rBV3	18786	61868	0.45%	0.068%
16	4.581	995	1008	1029	rBV4	53483	158962	1.15%	0.174%
17	4.719	1029	1051	1066	rBV2	1279502	3307288	23.92%	3.629%
18	5.115	1159	1174	1197	rVV	422729	940810	6.80%	1.032%
19	5.433	1255	1273	1288	rBV4	82077	199027	1.44%	0.218%
20	5.774	1357	1379	1384	rBV2	934092	2271094	16.42%	2.492%
21	5.822	1385	1394	1411	rVB	2522902	5034001	36.41%	5.523%
22	5.935	1425	1429	1445	rVB7	38227	77918	0.56%	0.085%
23	6.022	1445	1456	1465	rBV8	29958	67885	0.49%	0.074%
24	6.292	1526	1540	1579	rVV	775772	1521384	11.00%	1.669%
25	6.610	1626	1639	1653	rVB4	48841	122075	0.88%	0.134%
26	6.735	1664	1678	1690	rBV	550386	1071586	7.75%	1.176%
27	6.803	1690	1699	1705	rBV2	88350	164237	1.19%	0.180%
28	7.092	1779	1789	1803	rVB2	71392	124502	0.90%	0.137%
29	7.218	1809	1828	1839	rVB8	31366	75119	0.54%	0.082%
30	7.604	1936	1948	1965	rBV	317327	585728	4.24%	0.643%
31	7.841	2013	2022	2032	rBV2	67372	110585	0.80%	0.121%
32	7.935	2039	2051	2061	rBV	1121474	1911390	13.82%	2.097%
33	8.005	2061	2073	2089	rVV	8227912	13827607	100.00%	15.172%
34	8.079	2091	2096	2107	rVV	85010	139941	1.01%	0.154%

LSC Area Percent Report

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Acq On : 30 Oct 2019 18:15
Operator : JC/SP
Sample : K5538-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF6M1

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\SOMULM103119WMA.M
Title : VOC Analysis

35	8.134	2109	2113	2127	rVB2	33117	57013	0.41%	0.063%
36	8.214	2128	2138	2149	rVB	213768	345870	2.50%	0.380%
37	8.276	2149	2157	2162	rBV2	38183	63228	0.46%	0.069%
38	8.449	2201	2211	2225	rBV8	16463	40298	0.29%	0.044%
39	8.533	2228	2237	2246	rVB2	44743	72310	0.52%	0.079%
40	8.587	2246	2254	2267	rVB6	37272	65137	0.47%	0.071%
41	8.677	2268	2282	2317	rBV	709852	1549275	11.20%	1.700%
42	8.832	2318	2330	2340	rBV	388146	677965	4.90%	0.744%
43	9.314	2468	2480	2488	rBV2	44618	79853	0.58%	0.088%
44	9.449	2511	2522	2531	rBV	1030632	1735472	12.55%	1.904%
45	9.497	2531	2537	2557	rVB	347349	626484	4.53%	0.687%
46	9.600	2557	2569	2592	rBV	1747207	2891949	20.91%	3.173%
47	9.722	2594	2607	2625	rBV	5201532	8590401	62.13%	9.426%
48	9.861	2640	2650	2673	rVB	310400	588022	4.25%	0.645%
49	10.066	2702	2714	2722	rBV7	41531	96155	0.70%	0.106%
50	10.131	2722	2734	2765	rVB	3720541	6147147	44.46%	6.745%
51	10.263	2765	2775	2782	rBV6	35115	69796	0.50%	0.077%
52	10.394	2810	2816	2823	rBV6	25285	41864	0.30%	0.046%
53	10.446	2825	2832	2842	rVV7	66117	115308	0.83%	0.127%
54	10.510	2842	2852	2869	rVB2	193317	356738	2.58%	0.391%
55	10.681	2897	2905	2911	rBV5	53309	81335	0.59%	0.089%
56	10.787	2926	2938	2964	rVB	864343	1538647	11.13%	1.688%
57	10.931	2973	2983	2992	rBV	303845	497842	3.60%	0.546%
58	11.025	3000	3012	3029	rVV	1108710	2495369	18.05%	2.738%
59	11.115	3029	3040	3056	rVB	773827	1295965	9.37%	1.422%
60	11.263	3076	3086	3094	rBV	243930	390129	2.82%	0.428%
61	11.317	3094	3103	3111	rVV	673306	1083311	7.83%	1.189%
62	11.359	3112	3116	3128	rVB2	144390	213480	1.54%	0.234%
63	11.436	3133	3140	3146	rVV6	38696	58725	0.42%	0.064%
64	11.494	3146	3158	3173	rVB	2994715	4653949	33.66%	5.106%
65	11.591	3175	3188	3195	rBV6	42289	86677	0.63%	0.095%
66	11.639	3196	3203	3206	rVV4	39416	54593	0.39%	0.060%
67	11.668	3208	3212	3219	rVV2	59199	85482	0.62%	0.094%
68	11.716	3221	3227	3236	rVV3	75350	141685	1.02%	0.155%
69	11.767	3237	3243	3251	rVV2	104243	171246	1.24%	0.188%
70	11.838	3252	3265	3279	rVB	963328	1735487	12.55%	1.904%
71	11.918	3279	3290	3308	rBV	1187596	1917259	13.87%	2.104%

LSC Area Percent Report

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Acq On : 30 Oct 2019 18:15
Operator : JC/SP
Sample : K5538-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF6M1

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\SOMULM103119WMA.M
Title : VOC Analysis

72	12.118	3341	3352	3368	rBV2	773797	1466923	10.61%	1.610%
73	12.217	3372	3383	3408	rVB3	1289910	2656806	19.21%	2.915%
74	12.336	3409	3420	3430	rBV5	149286	298831	2.16%	0.328%
75	12.398	3431	3439	3455	rVB2	108993	199414	1.44%	0.219%
76	12.517	3456	3476	3493	rBV3	738514	1815954	13.13%	1.993%
77	12.594	3493	3500	3508	rVV	281676	427883	3.09%	0.469%
78	12.635	3508	3513	3522	rVV	76876	110893	0.80%	0.122%
79	12.706	3524	3535	3557	rVB2	269072	549066	3.97%	0.602%
80	12.832	3567	3574	3582	rBV6	29908	49632	0.36%	0.054%
81	12.896	3585	3594	3604	rVB2	106232	180233	1.30%	0.198%
82	12.983	3610	3621	3633	rBV2	588049	1114734	8.06%	1.223%
83	13.047	3633	3641	3652	rVB	301304	447709	3.24%	0.491%
84	13.314	3716	3724	3735	rVB	239296	360740	2.61%	0.396%
85	13.475	3752	3774	3787	rBV3	540777	1023359	7.40%	1.123%
86	13.542	3787	3795	3803	rVV2	98735	145008	1.05%	0.159%
87	13.648	3817	3828	3844	rBV2	145423	266762	1.93%	0.293%
88	13.767	3854	3865	3875	rBV	693764	1190526	8.61%	1.306%
89	13.861	3885	3894	3907	rVB5	80863	167329	1.21%	0.184%
90	13.931	3911	3916	3918	rVV6	35271	40690	0.29%	0.045%
91	13.960	3919	3925	3943	rVB6	102525	213586	1.54%	0.234%
92	14.108	3959	3971	3995	rVB	1234169	1982140	14.33%	2.175%
93	14.230	3997	4009	4021	rVB	84739	151969	1.10%	0.167%
94	14.304	4026	4032	4042	rVV4	34208	62802	0.45%	0.069%
95	14.365	4044	4051	4059	rVB3	24175	39907	0.29%	0.044%
96	14.507	4086	4095	4100	rBV2	44471	69301	0.50%	0.076%
97	14.690	4143	4152	4164	rBV3	39141	84922	0.61%	0.093%
98	14.899	4208	4217	4230	rVB3	56265	95063	0.69%	0.104%
99	15.243	4314	4324	4336	rBV	98857	159199	1.15%	0.175%
100	15.430	4372	4382	4397	rBV	96156	168305	1.22%	0.185%

Sum of corrected areas: 91138007

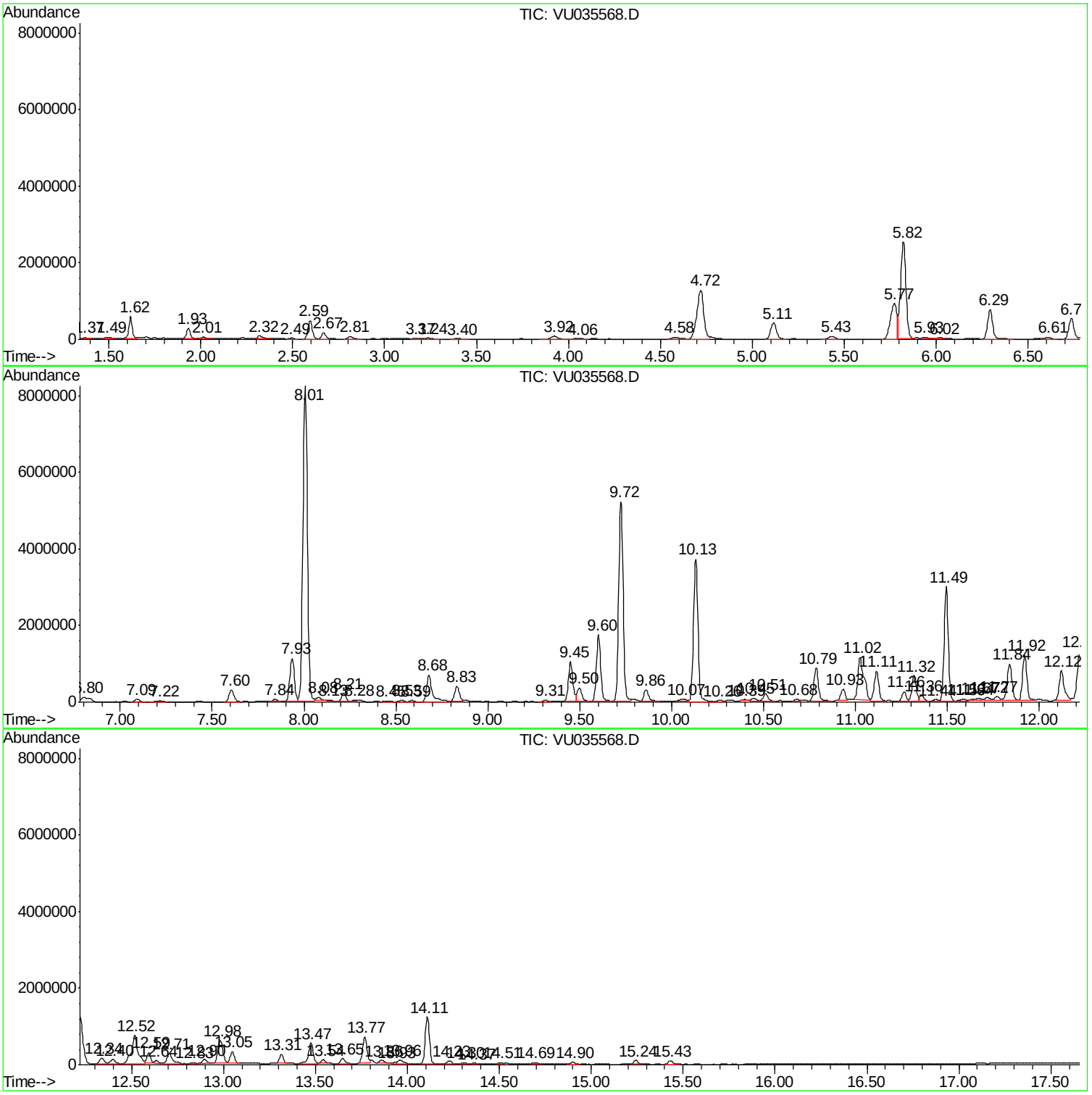
LSC Report - Integrated Chromatogram

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU103119\
Data File : VU035568.D
Acq On : 30 Oct 2019 18:15
Operator : JC/SP
Sample : K5538-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF6M1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM103119WMA.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_U\Data\VU103119\
Data File : VU035568.D
Acq On : 30 Oct 2019 18:15
Operator : JC/SP
Sample : K5538-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF6M1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM103119WMA.M
Quant Title : VOC Analysis

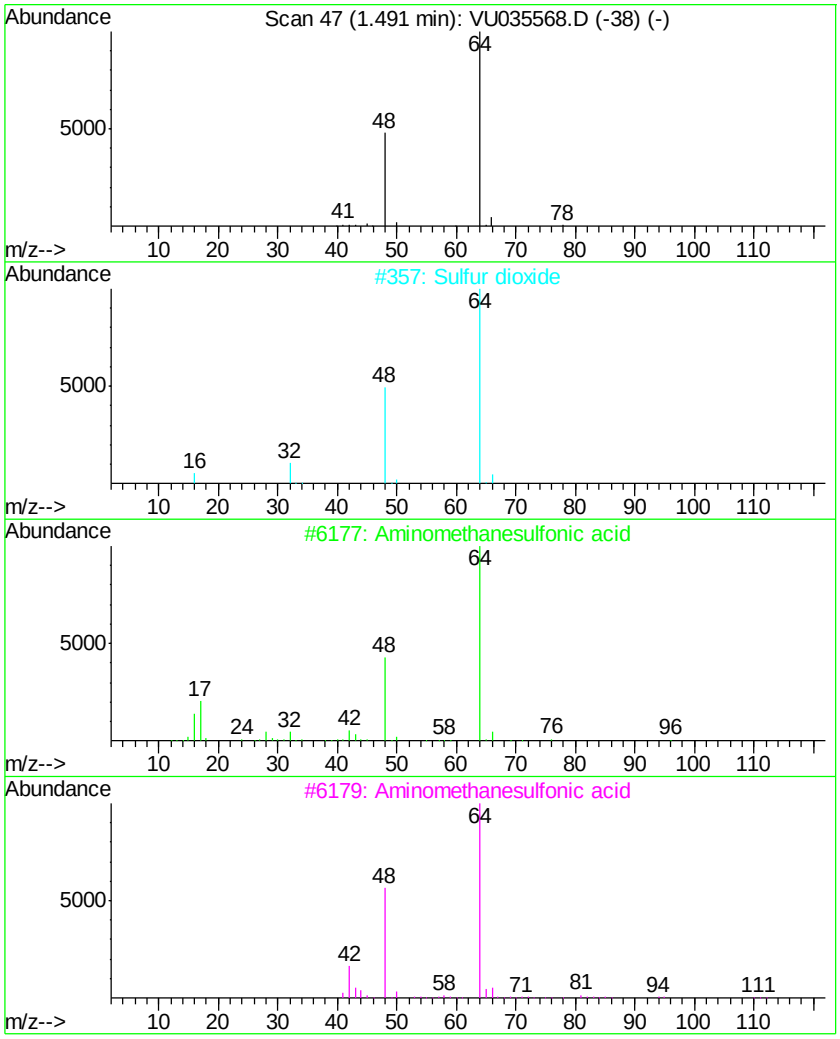
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

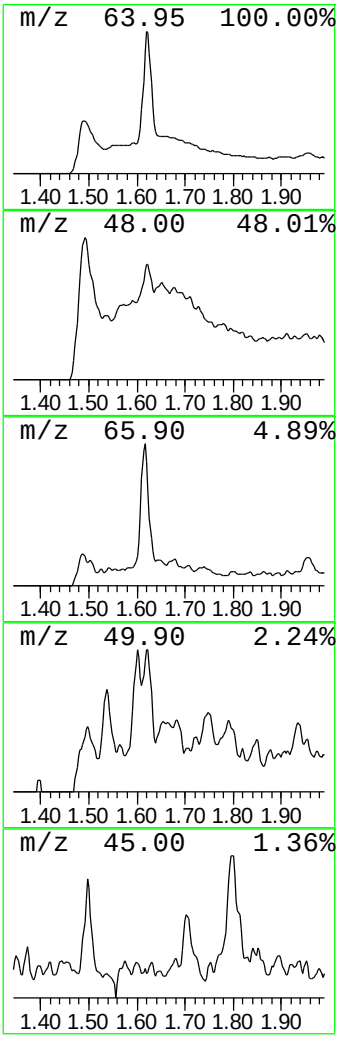
****

Peak Number 1 Sulfur dioxide Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.49	3.06 ug/L	92979	1,4-Difluorobenzene	6.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfur dioxide	64	O2S	007446-09-5	90
2	Aminomethanesulfonic acid	111	CH5NO3S	013881-91-9	74
3	Aminomethanesulfonic acid	111	CH5NO3S	013881-91-9	64
4	L-Alanine, 3-sulfo-	169	C3H7NO5S	000498-40-8	9
5	Ethene, 1,1-difluoro-	64	C2H2F2	000075-38-7	4





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU103119\
Data File : VU035568.D
Acq On : 30 Oct 2019 18:15
Operator : JC/SP
Sample : K5538-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF6M1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM103119WMA.M
Quant Title : VOC Analysis

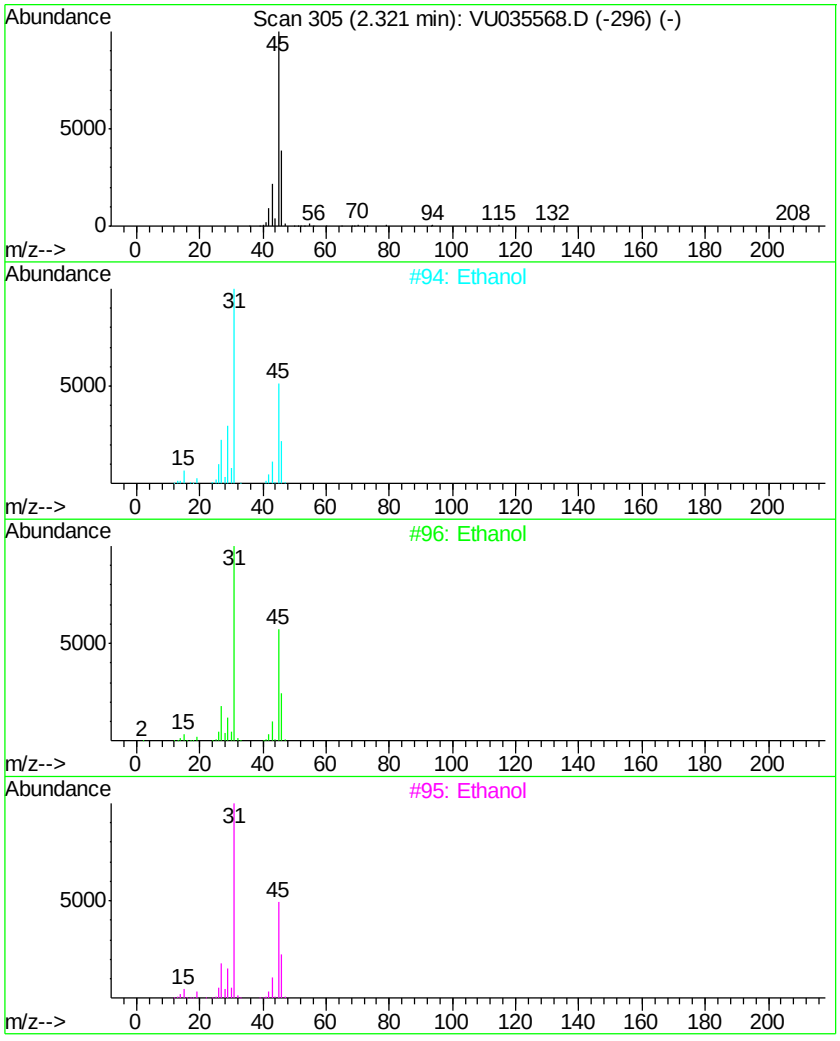
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

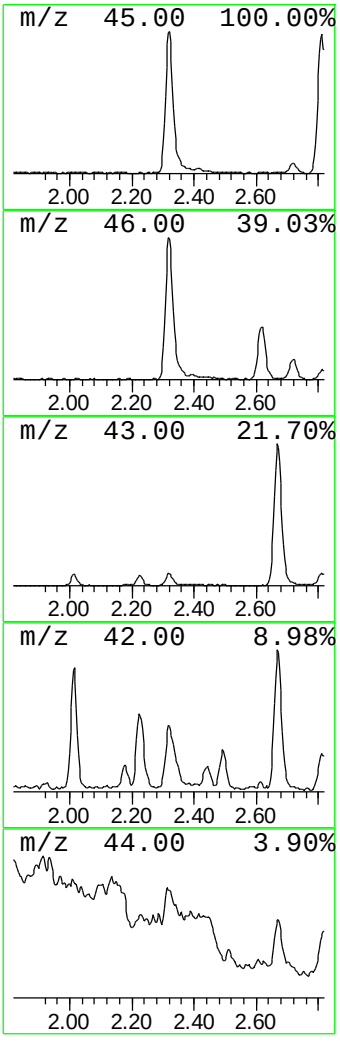
****

Peak Number 2 Ethanol Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.32	4.48 ug/L	136226	1,4-Difluorobenzene	6.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanol	46	C2H6O	000064-17-5	86
2	Ethanol	46	C2H6O	000064-17-5	64
3	Ethanol	46	C2H6O	000064-17-5	43
4	Dimethyl ether	46	C2H6O	000115-10-6	9
5	Methane, nitroso-	45	CH3NO	000865-40-7	4





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU103119\
Data File : VU035568.D
Acq On : 30 Oct 2019 18:15
Operator : JC/SP
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ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF6M1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM103119WMA.M
Quant Title : VOC Analysis

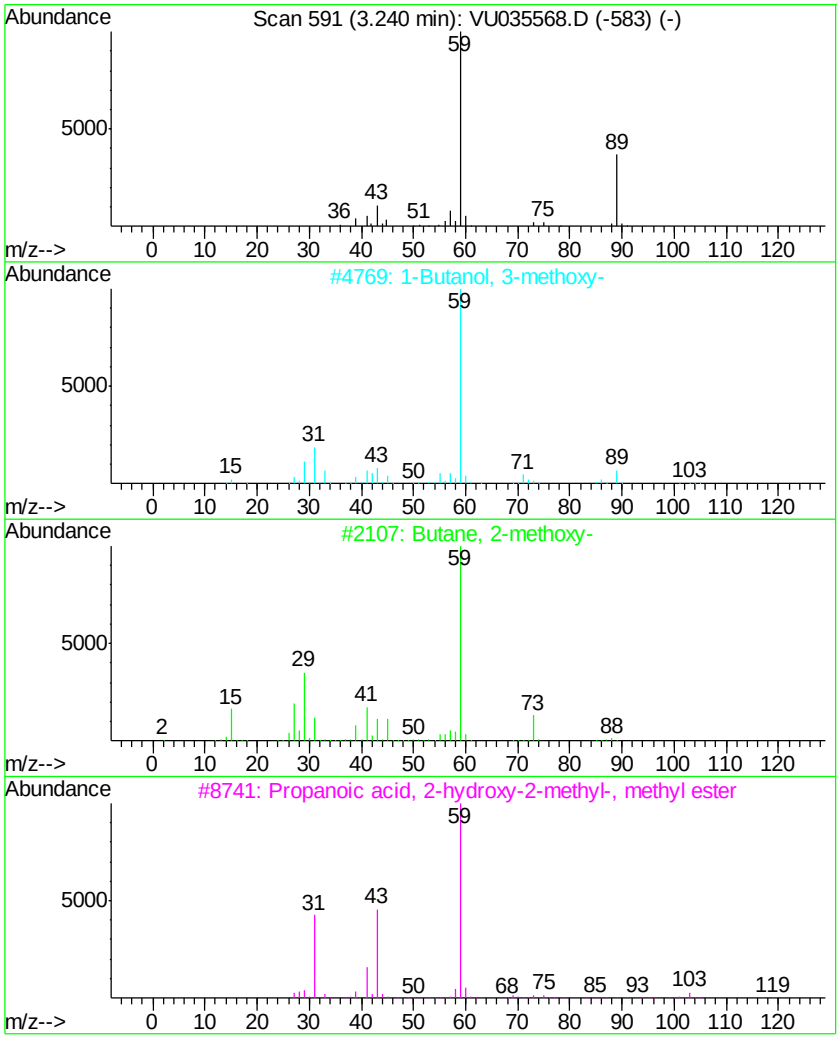
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

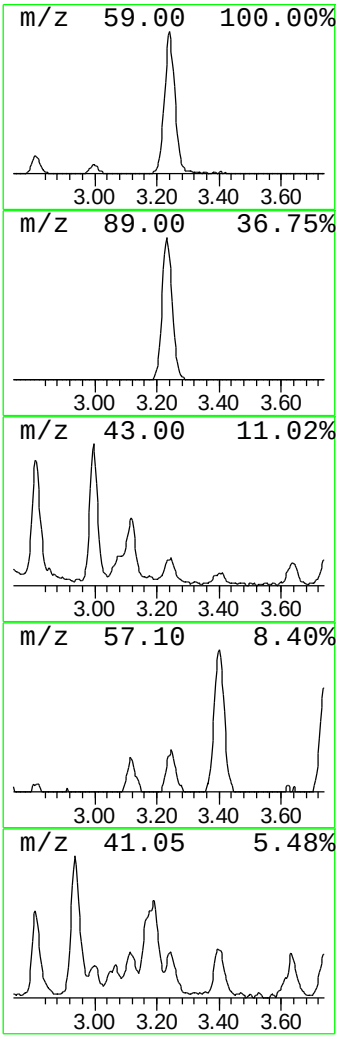
****

Peak Number 3 1-Butanol, 3-methoxy- Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.24	2.58 ug/L	78354	1,4-Difluorobenzene	6.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Butanol, 3-methoxy-	104	C5H12O2	002517-43-3	64
2	Butane, 2-methoxy-	88	C5H12O	006795-87-5	50
3	Propanoic acid, 2-hydroxy-2-meth...	118	C5H10O3	002110-78-3	38
4	2-Propanol, 1-methoxy-2-methyl-	104	C5H12O2	003587-64-2	36
5	2-Decanol, methyl ether	172	C11H24O	1000333-83-9	33





Library Search Compound Report

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Data File : VU035568.D
Acq On : 30 Oct 2019 18:15
Operator : JC/SP
Sample : K5538-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF6M1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM103119WMA.M
Quant Title : VOC Analysis

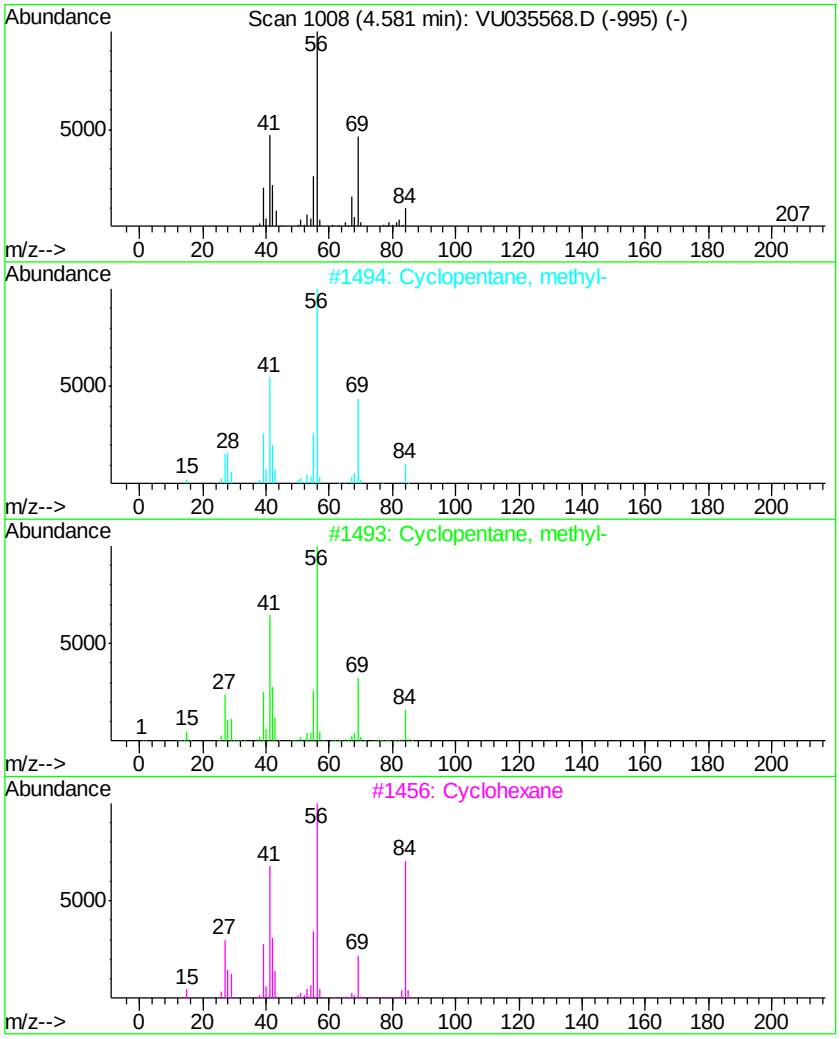
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

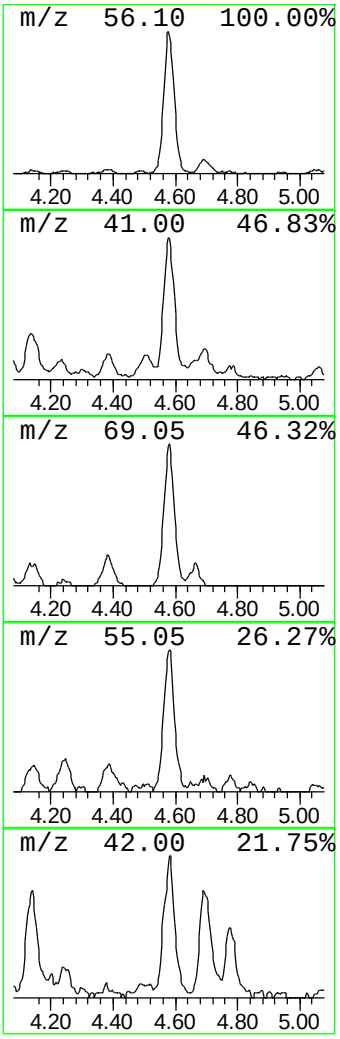
****

Peak Number 4 (DEL) Alkane: Cyclic4.58 Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.58	5.22 ug/L	158962	1,4-Difluorobenzene	6.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	90
2	Cyclopentane, methyl-	84	C6H12	000096-37-7	83
3	Cyclohexane	84	C6H12	000110-82-7	80
4	Cyclohexane	84	C6H12	000110-82-7	72
5	Tetramethylene diisocyanate	140	C6H8N2O2	004538-37-8	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU103119\
Data File : VU035568.D
Acq On : 30 Oct 2019 18:15
Operator : JC/SP
Sample : K5538-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF6M1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM103119WMA.M
Quant Title : VOC Analysis

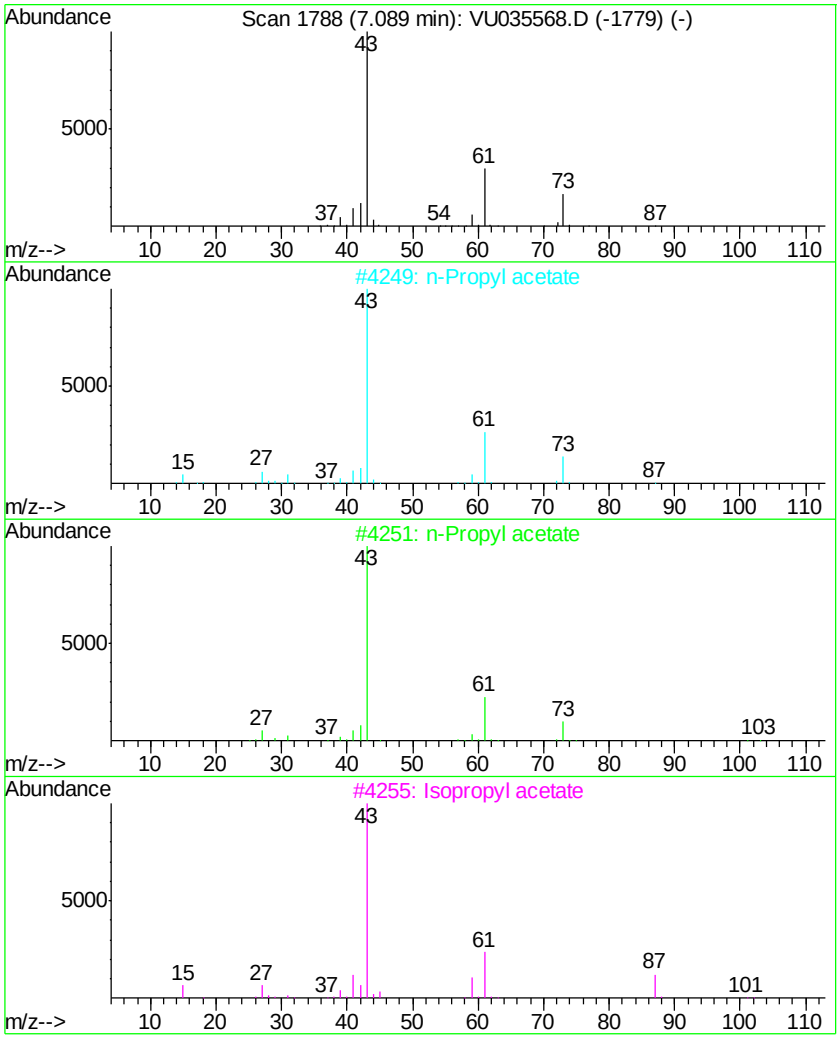
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

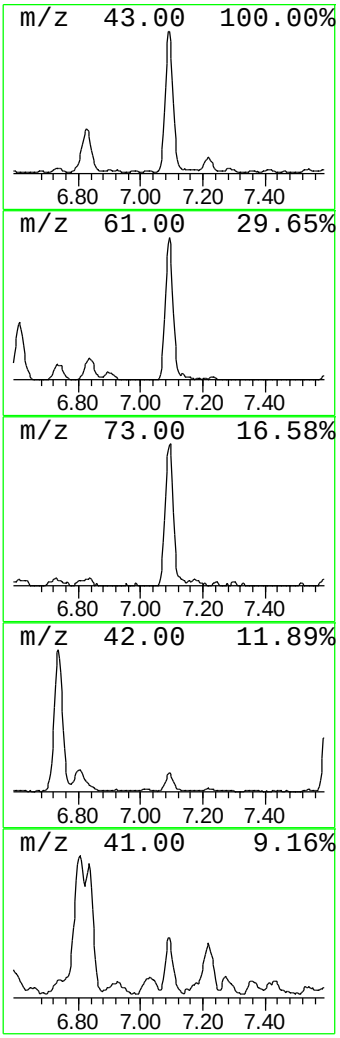
****

Peak Number 6 n-Propyl acetate Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.09	4.09 ug/L	124502	1,4-Difluorobenzene	6.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Propyl acetate	102	C5H10O2	000109-60-4	83
2	n-Propyl acetate	102	C5H10O2	000109-60-4	64
3	Isopropyl acetate	102	C5H10O2	000108-21-4	38
4	Isopropyl acetate	102	C5H10O2	000108-21-4	33
5	Acetamide, N-acetyl-N-methyl-	115	C5H9NO2	001113-68-4	9





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Data File : VU035568.D
Acq On : 30 Oct 2019 18:15
Operator : JC/SP
Sample : K5538-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF6M1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM103119WMA.M
Quant Title : VOC Analysis

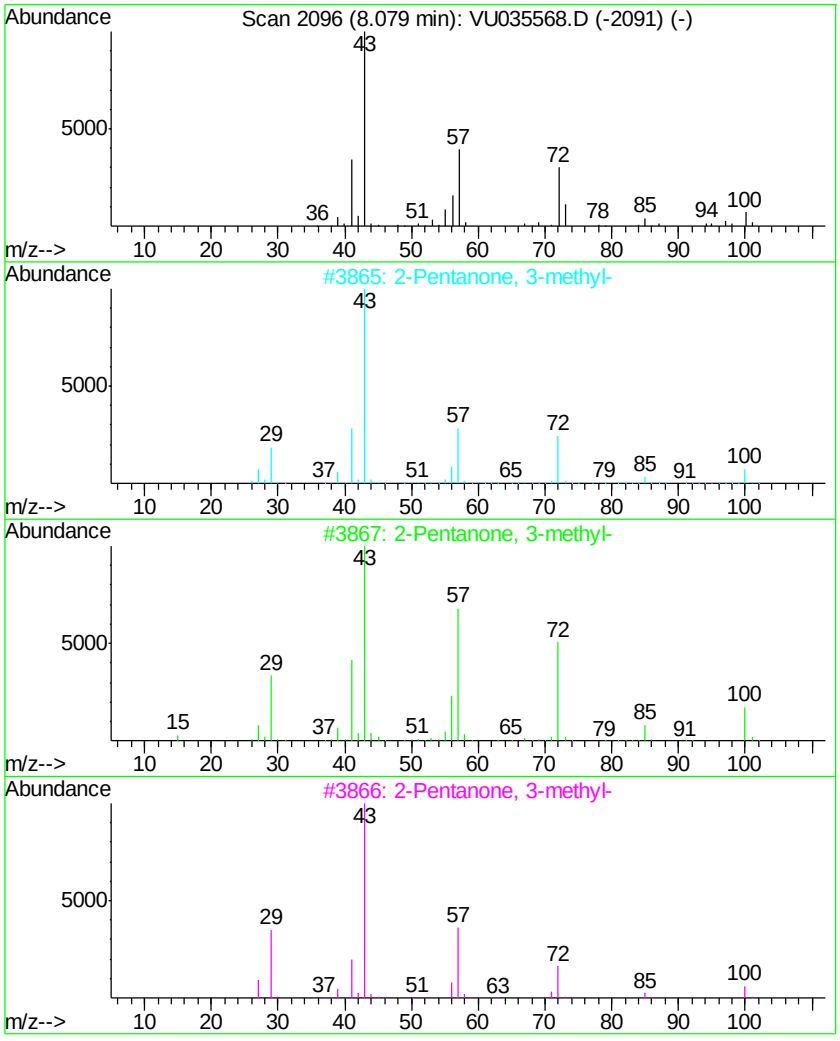
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

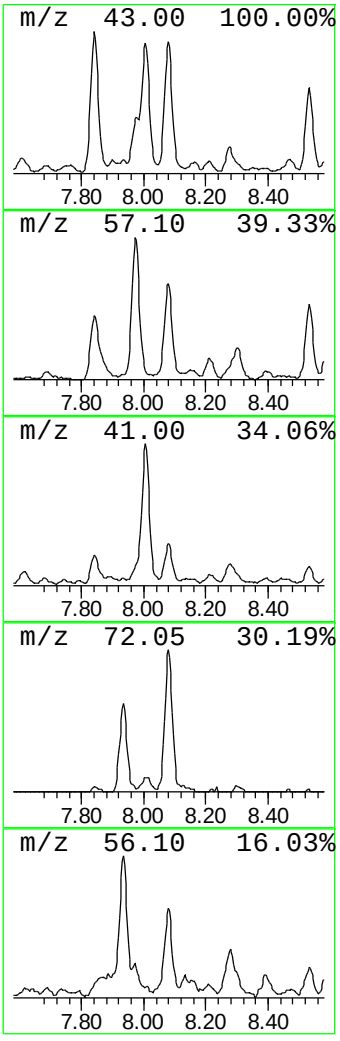
****

Peak Number 8 2-Pentanone, 3-methyl- Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.08	4.03 ug/L	139941	Chlorobenzene-d5	9.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 3-methyl-	100	C6H12O	000565-61-7	72
2	2-Pentanone, 3-methyl-	100	C6H12O	000565-61-7	64
3	2-Pentanone, 3-methyl-	100	C6H12O	000565-61-7	50
4	2-Pentanone, 3-methyl-	100	C6H12O	000565-61-7	47
5	Heptane	100	C7H16	000142-82-5	35





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Acq On : 30 Oct 2019 18:15
Operator : JC/SP
Sample : K5538-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF6M1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM103119WMA.M
Quant Title : VOC Analysis

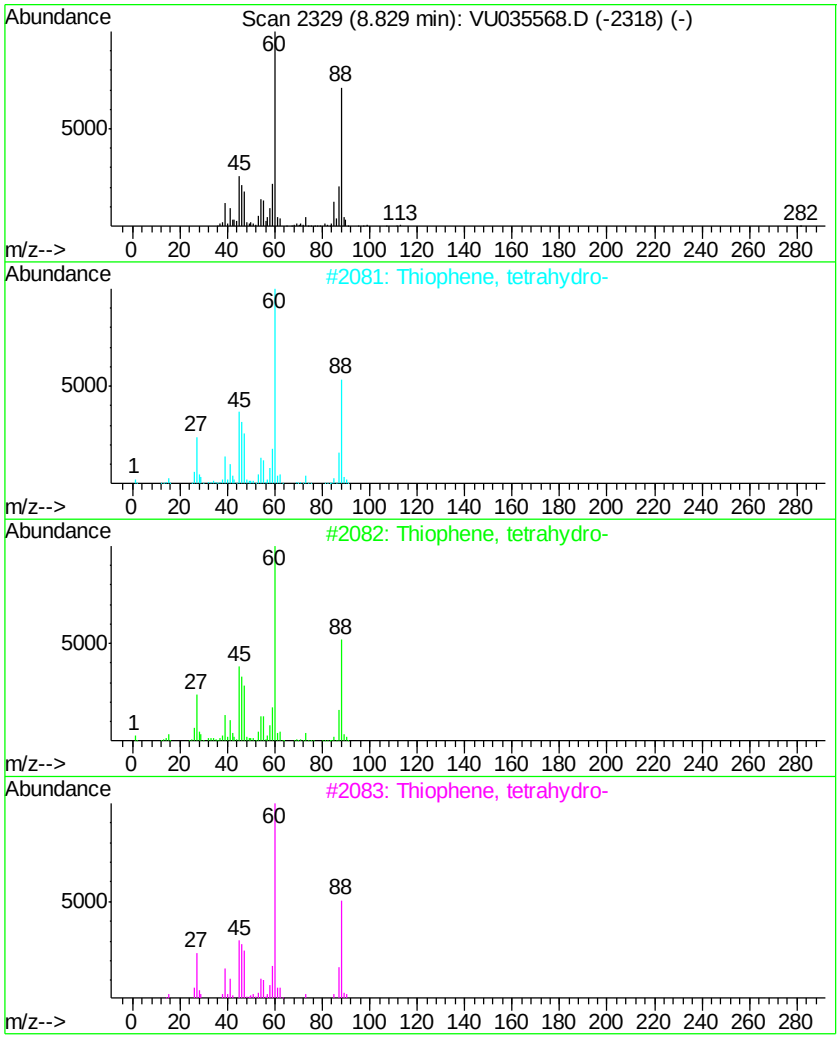
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

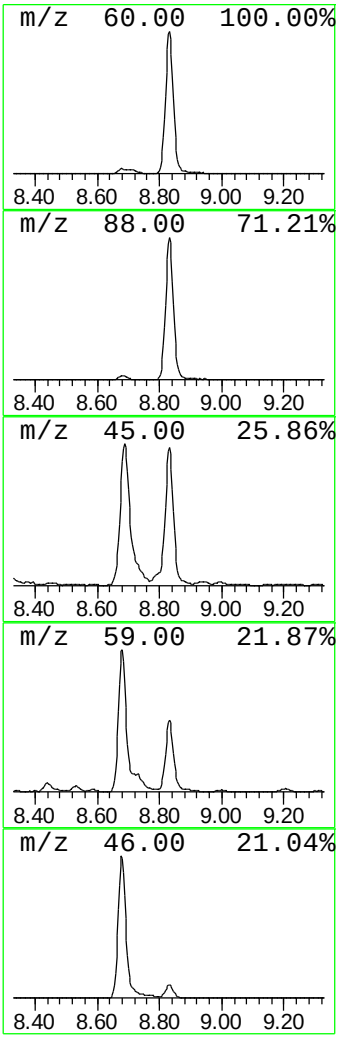
****

Peak Number 9 Thiophene, tetrahydro- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.83	19.53 ug/L	677965	Chlorobenzene-d5	9.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thiophene, tetrahydro-	88	C4H8S	000110-01-0	94
2	Thiophene, tetrahydro-	88	C4H8S	000110-01-0	93
3	Thiophene, tetrahydro-	88	C4H8S	000110-01-0	91
4	Thietane, 2-methyl-	88	C4H8S	017837-41-1	68
5	Ethylvinyl sulfide	88	C4H8S	000627-50-9	38





Library Search Compound Report

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Data File : VU035568.D
Acq On : 30 Oct 2019 18:15
Operator : JC/SP
Sample : K5538-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF6M1

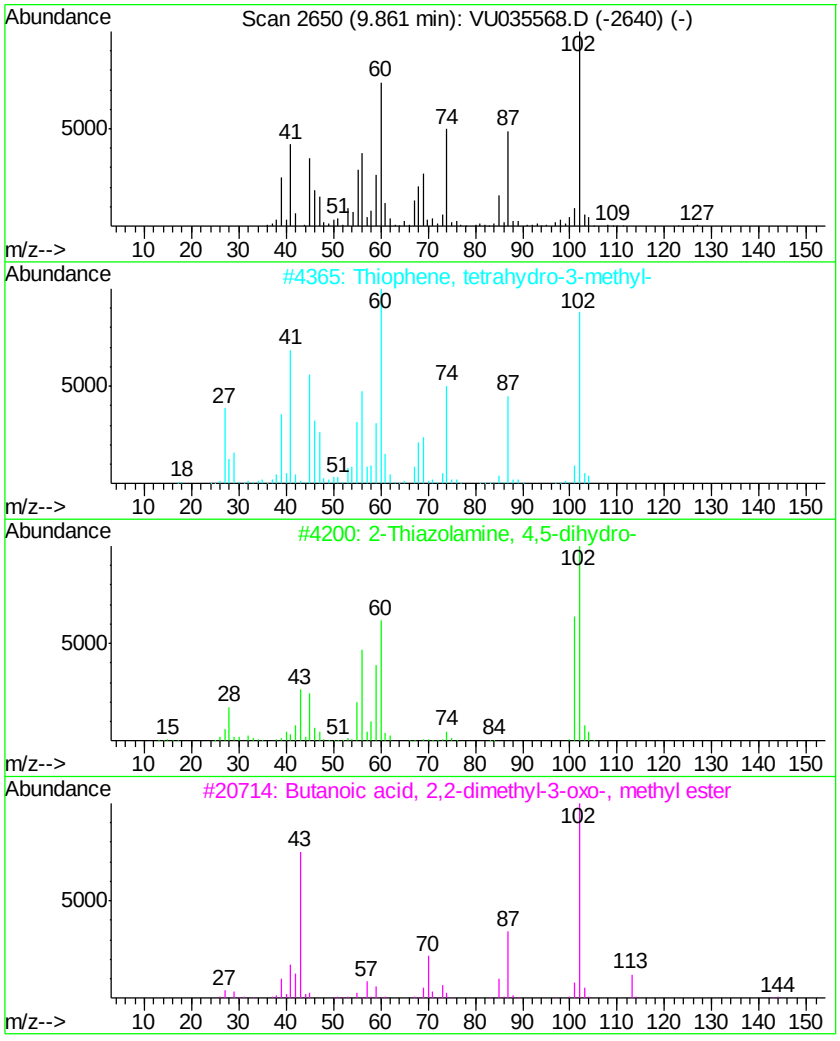
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM103119WMA.M
Quant Title : VOC Analysis

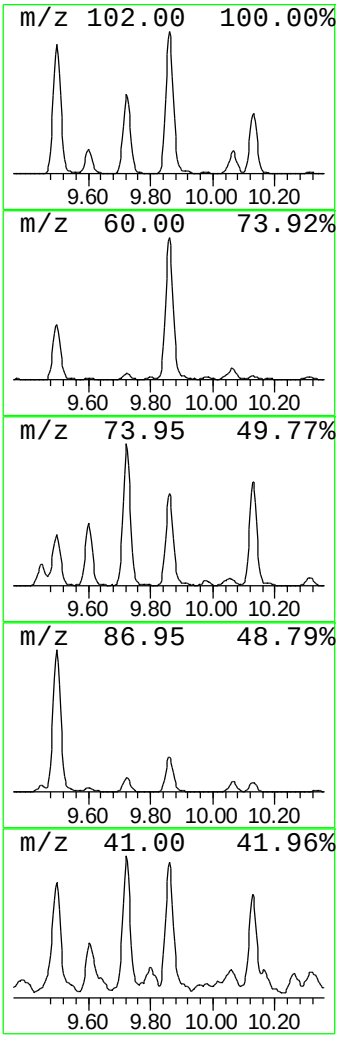
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Thiophene, tetrahydro-3-met... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.86	16.94 ug/L	588022	Chlorobenzene-d5	9.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thiophene, tetrahydro-3-methyl-	102	C5H10S	004740-00-5	96
2	2-Thiazolamine, 4,5-dihydro-	102	C3H6N2S	001779-81-3	35
3	Butanoic acid, 2,2-dimethyl-3-ox...	144	C7H12O3	038923-57-8	35
4	2-Thiazolamine, 4,5-dihydro-	102	C3H6N2S	001779-81-3	25
5	Aziridine-2-carbothioamide	102	C3H6N2S	1000189-98-7	22





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Data File : VU035568.D
Acq On : 30 Oct 2019 18:15
Operator : JC/SP
Sample : K5538-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF6M1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM103119WMA.M
Quant Title : VOC Analysis

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

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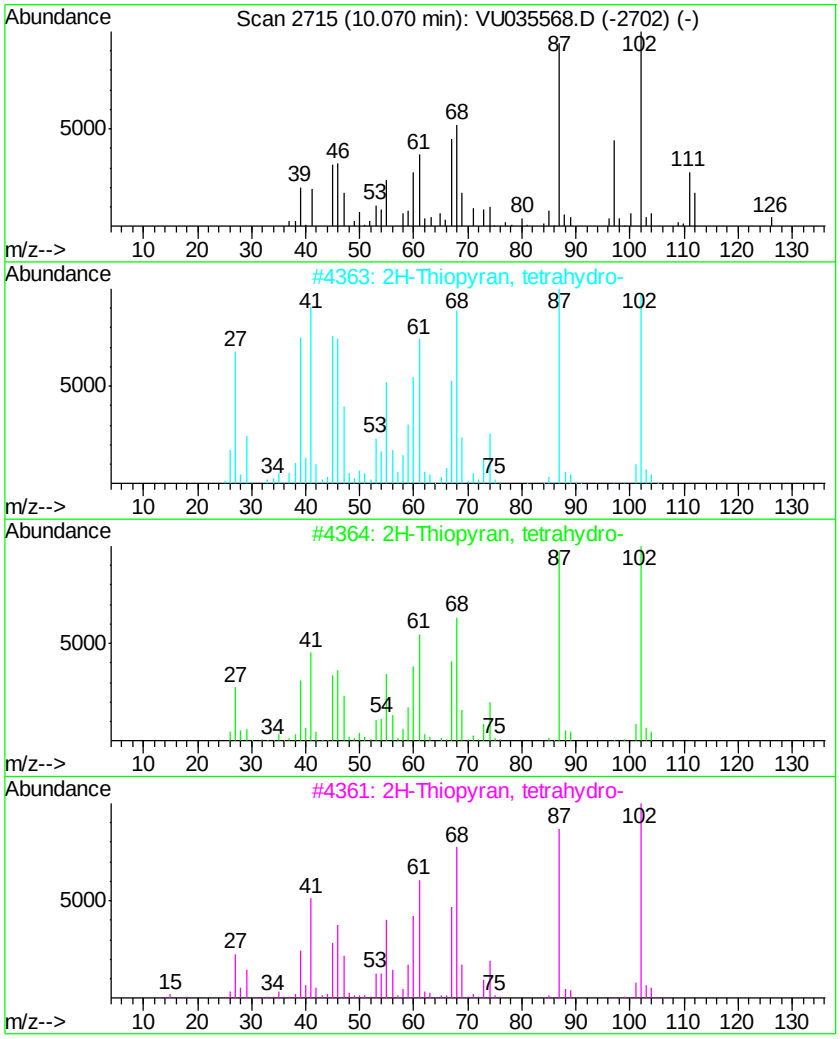
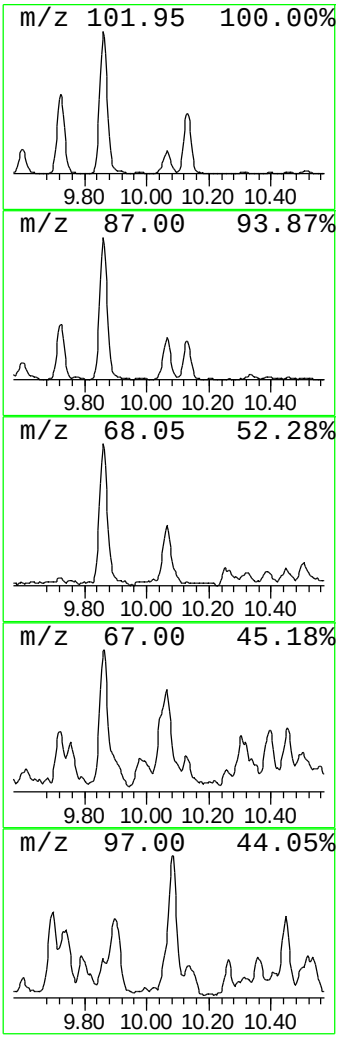
Peak Number 11 2H-Thiopyran, tetrahydro- Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.07	2.77 ug/L	96155	Chlorobenzene-d5	9.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2H-Thiopyran, tetrahydro-	102	C5H10S	001613-51-0	74
2	2H-Thiopyran, tetrahydro-	102	C5H10S	001613-51-0	58
3	2H-Thiopyran, tetrahydro-	102	C5H10S	001613-51-0	52
4	1-Butene, 1-(methylthio)-, (E)-	102	C5H10S	017414-27-6	43
5	1-Butene, 1-(methylthio)-, (Z)-	102	C5H10S	017414-15-2	43





Library Search Compound Report

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Data File : VU035568.D
Acq On : 30 Oct 2019 18:15
Operator : JC/SP
Sample : K5538-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF6M1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM103119WMA.M
Quant Title : VOC Analysis

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

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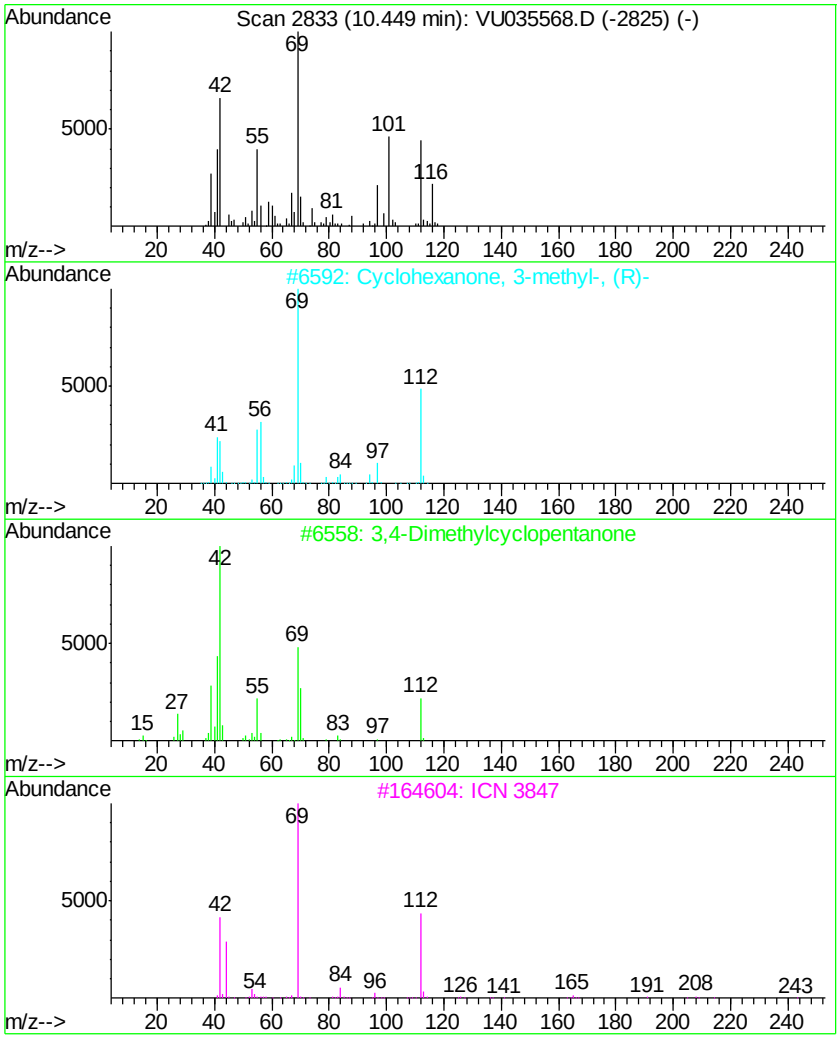
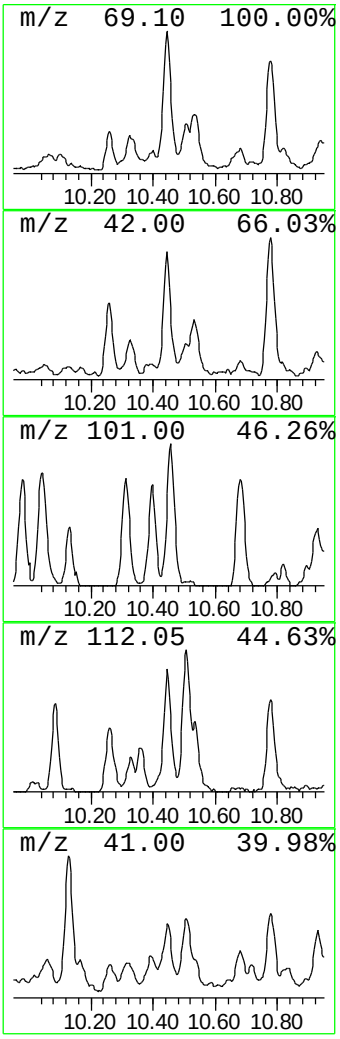
Peak Number 12 unknown-01 Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.45	3.32 ug/L	115308	Chlorobenzene-d5	9.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexanone, 3-methyl-, (R)-	112	C7H12O	013368-65-5	45
2	3,4-Dimethylcyclopentanone	112	C7H12O	058372-16-0	43
3	ICN 3847	324	C8H13N4O8P	040925-28-8	42
4	Cyclohexanone, 3-methyl-, (R)-	112	C7H12O	013368-65-5	42
5	5-Methyl-isoxazolidin-3-one	101	C4H7NO2	041833-03-8	38





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Acq On : 30 Oct 2019 18:15
Operator : JC/SP
Sample : K5538-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF6M1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM103119WMA.M
Quant Title : VOC Analysis

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

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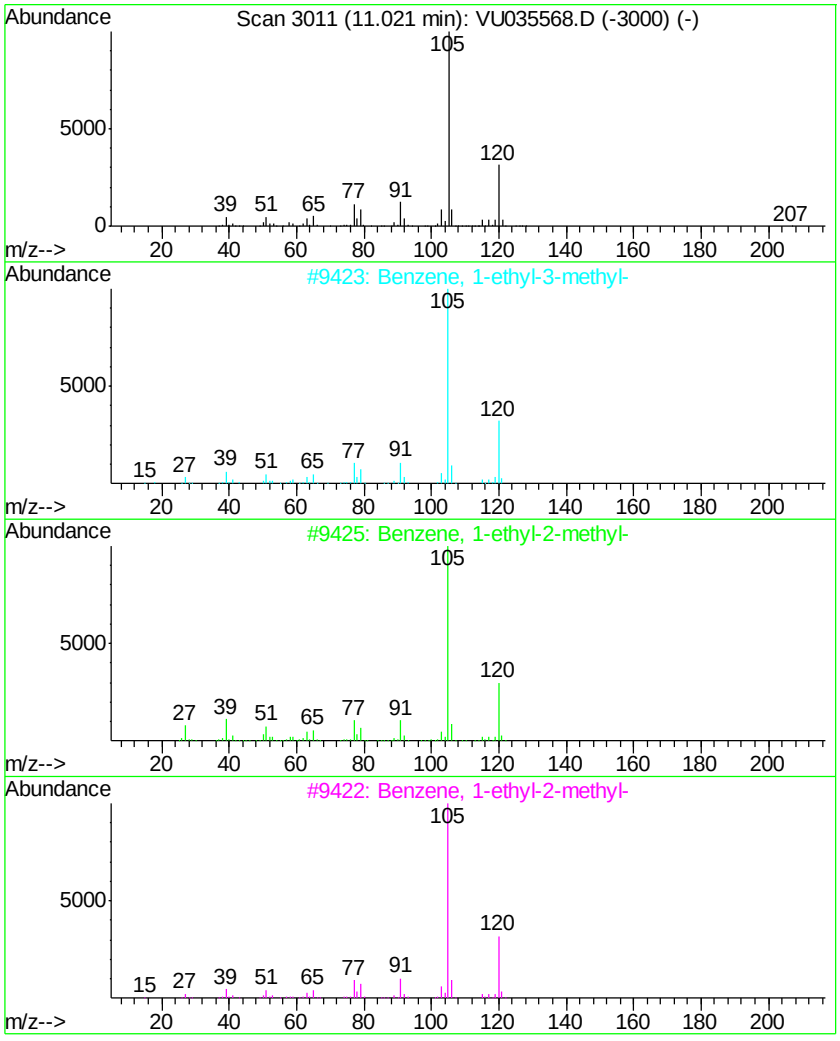
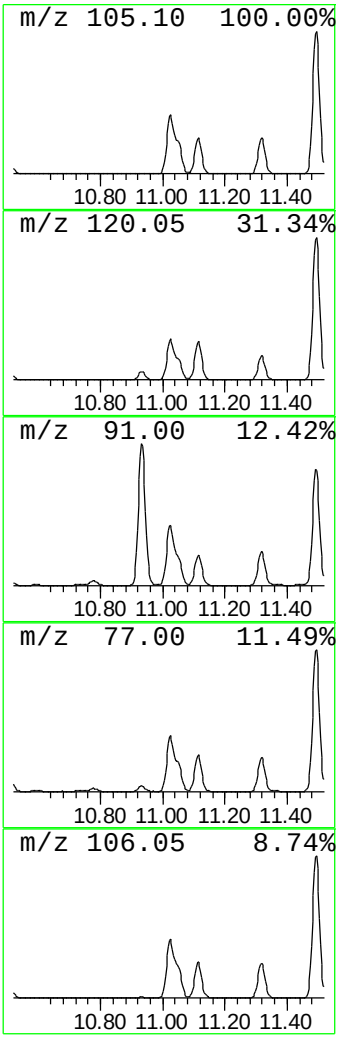
Peak Number 14 Benzene, 1-ethyl-3-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.02	71.89 ug/L	2495370	1,4-Dichlorobenzene-d4	11.84

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	95
5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91





Library Search Compound Report

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Data File : VU035568.D
Acq On : 30 Oct 2019 18:15
Operator : JC/SP
Sample : K5538-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF6M1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM103119WMA.M
Quant Title : VOC Analysis

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

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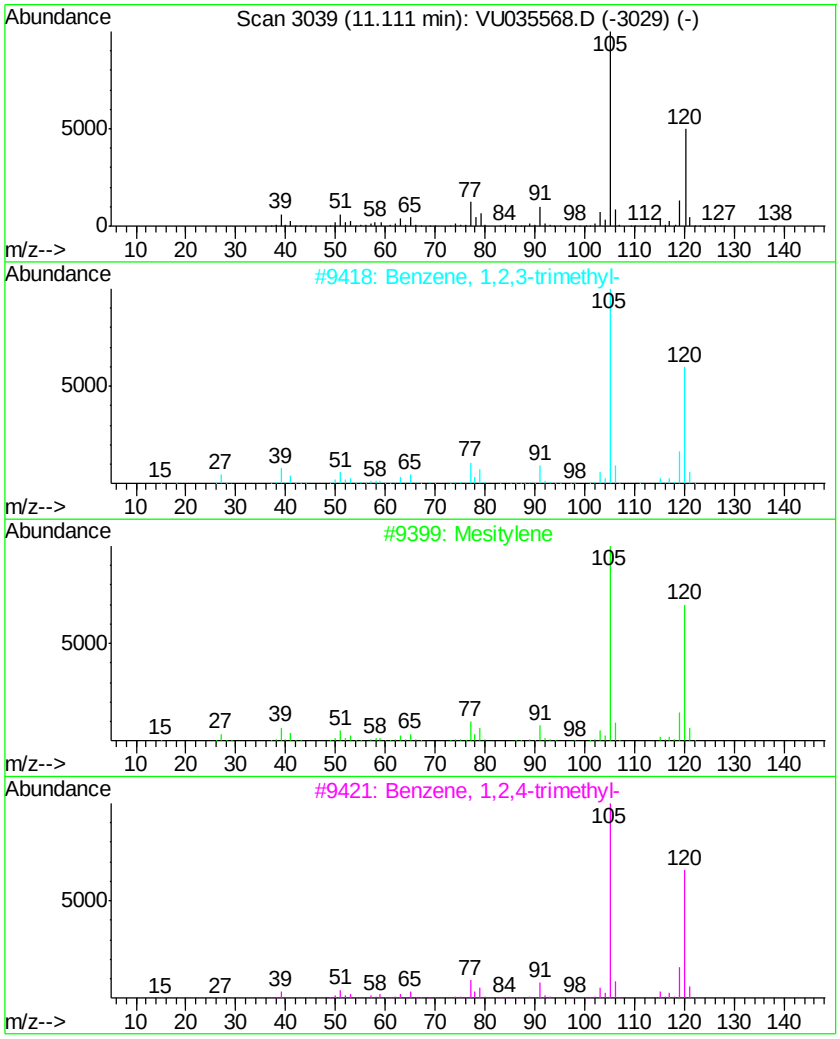
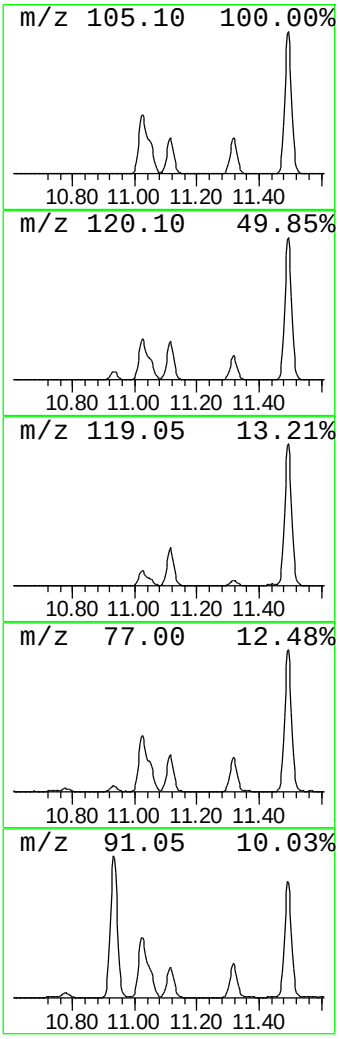
Peak Number 15 Benzene, 1,2,3-trimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.11	37.34 ug/L	1295970	1,4-Dichlorobenzene-d4	11.84

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	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	95
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94
5	Mesitylene	120	C9H12	000108-67-8	93





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Acq On : 30 Oct 2019 18:15
Operator : JC/SP
Sample : K5538-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF6M1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM103119WMA.M
Quant Title : VOC Analysis

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

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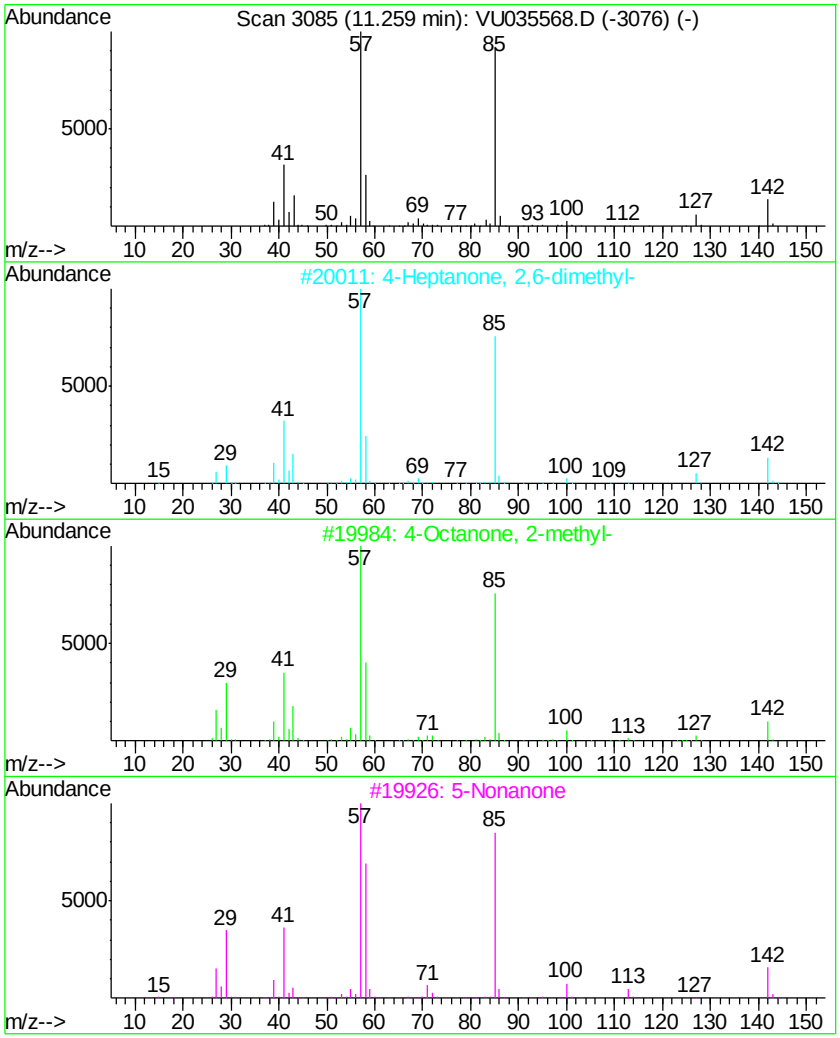
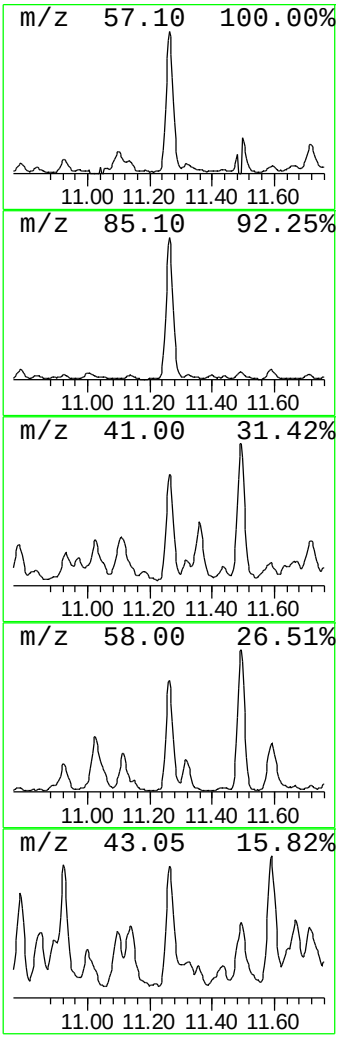
Peak Number 16 4-Heptanone, 2,6-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.26	11.24 ug/L	390129	1,4-Dichlorobenzene-d4	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Heptanone, 2,6-dimethyl-	142	C9H18O	000108-83-8	94
2	4-Octanone, 2-methyl-	142	C9H18O	007492-38-8	64
3	5-Nonanone	142	C9H18O	000502-56-7	59
4	5-Nonanone	142	C9H18O	000502-56-7	59
5	2,4-Hexanedione, 5,5-dimethyl-	142	C8H14O2	007307-04-2	53





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Acq On : 30 Oct 2019 18:15
Operator : JC/SP
Sample : K5538-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF6M1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM103119WMA.M
Quant Title : VOC Analysis

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

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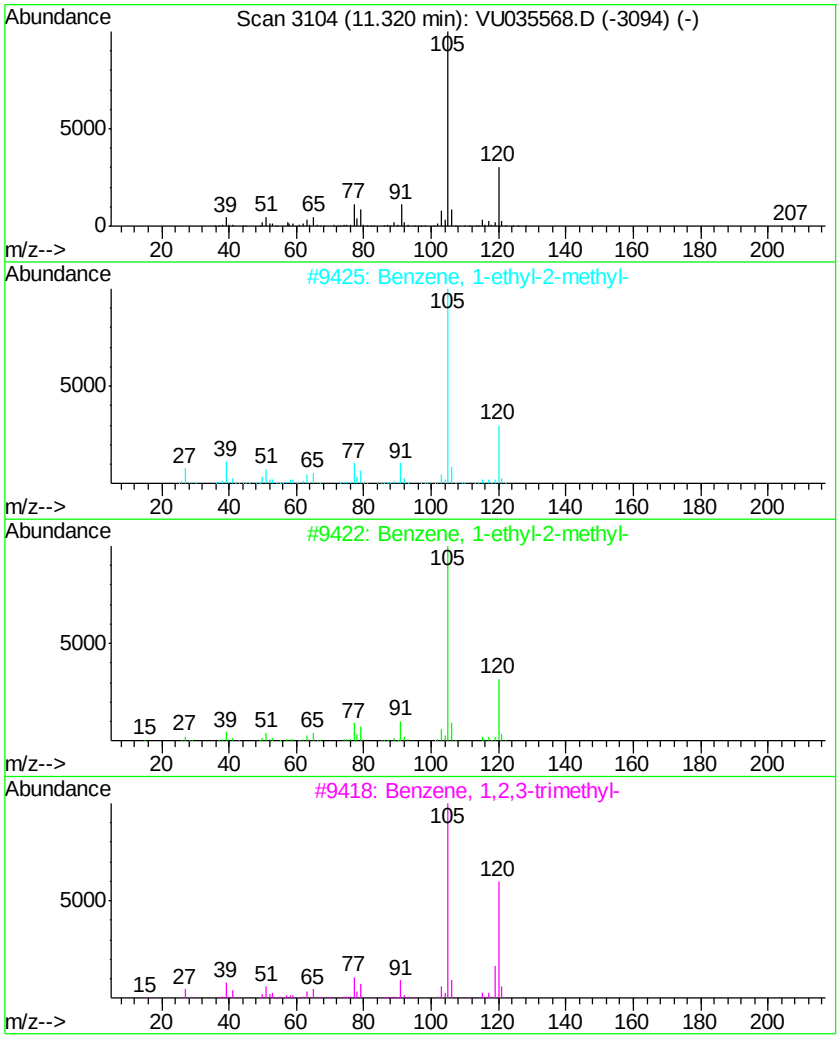
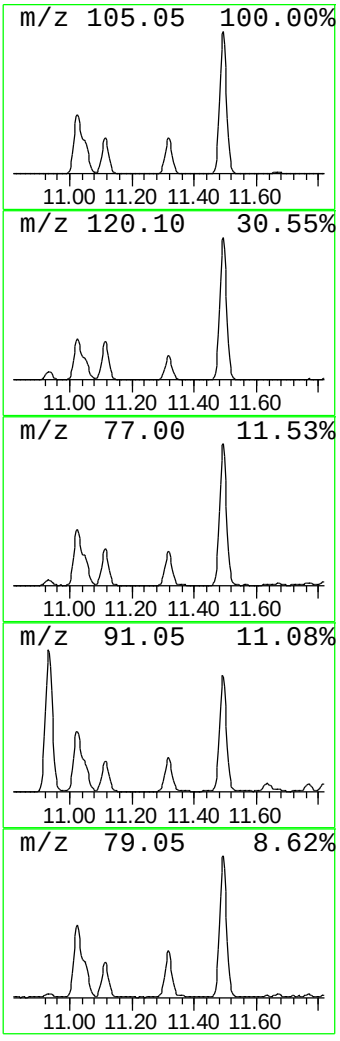
Peak Number 17 Benzene, 1-ethyl-2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.32	31.21 ug/L	1083310	1,4-Dichlorobenzene-d4	11.84

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, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
4	Mesitylene	120	C9H12	000108-67-8	91
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91





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Acq On : 30 Oct 2019 18:15
Operator : JC/SP
Sample : K5538-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF6M1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM103119WMA.M
Quant Title : VOC Analysis

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

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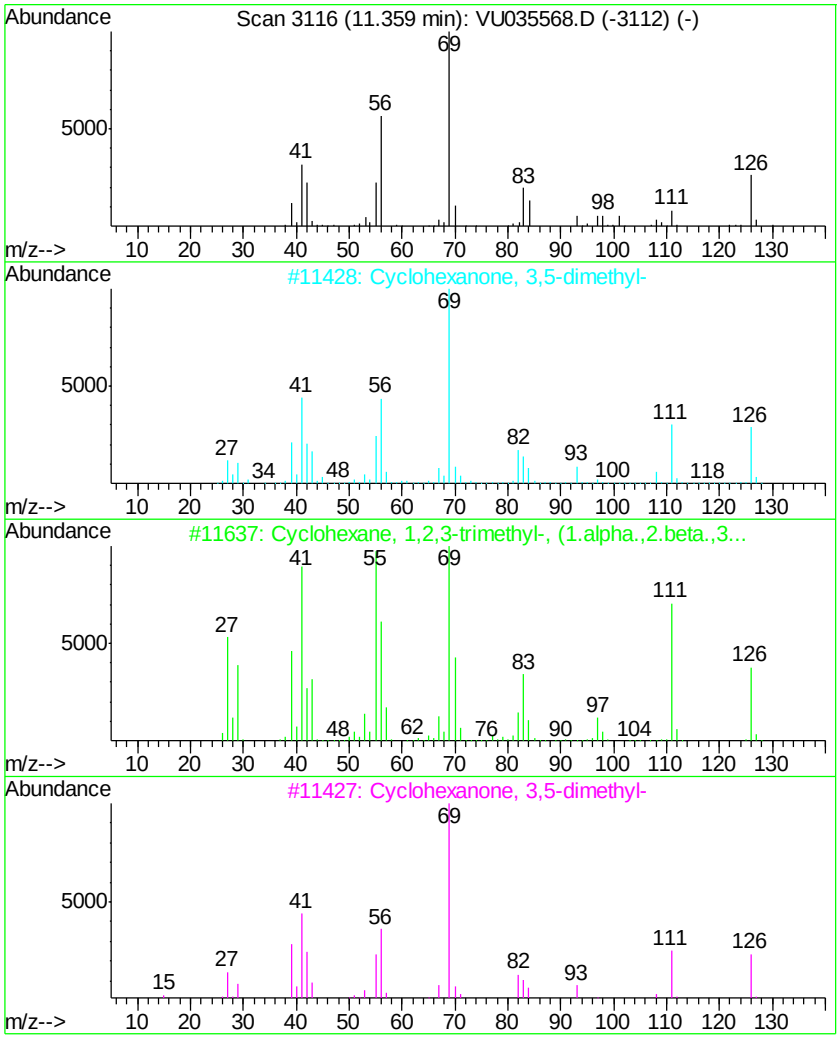
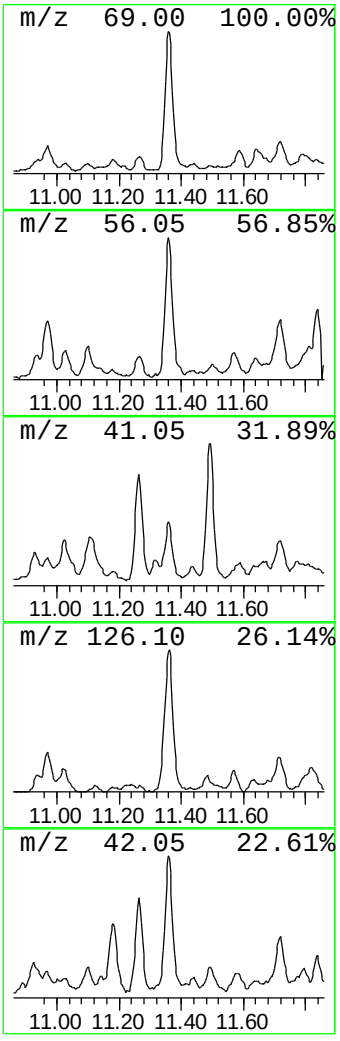
Peak Number 18 Cyclohexanone, 3,5-dimethyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.36	6.15 ug/L	213480	1,4-Dichlorobenzene-d4	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexanone, 3,5-dimethyl-	126	C8H14O	002320-30-1	72
2	Cyclohexane, 1,2,3-trimethyl-, (...	126	C9H18	001678-81-5	64
3	Cyclohexanone, 3,5-dimethyl-	126	C8H14O	002320-30-1	59
4	2-Methyl-2-octene	126	C9H18	016993-86-5	59
5	Cyclohexanone, 3,5-dimethyl-, cis-	126	C8H14O	007214-52-0	59





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Sample : K5538-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF6M1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM103119WMA.M
Quant Title : VOC Analysis

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

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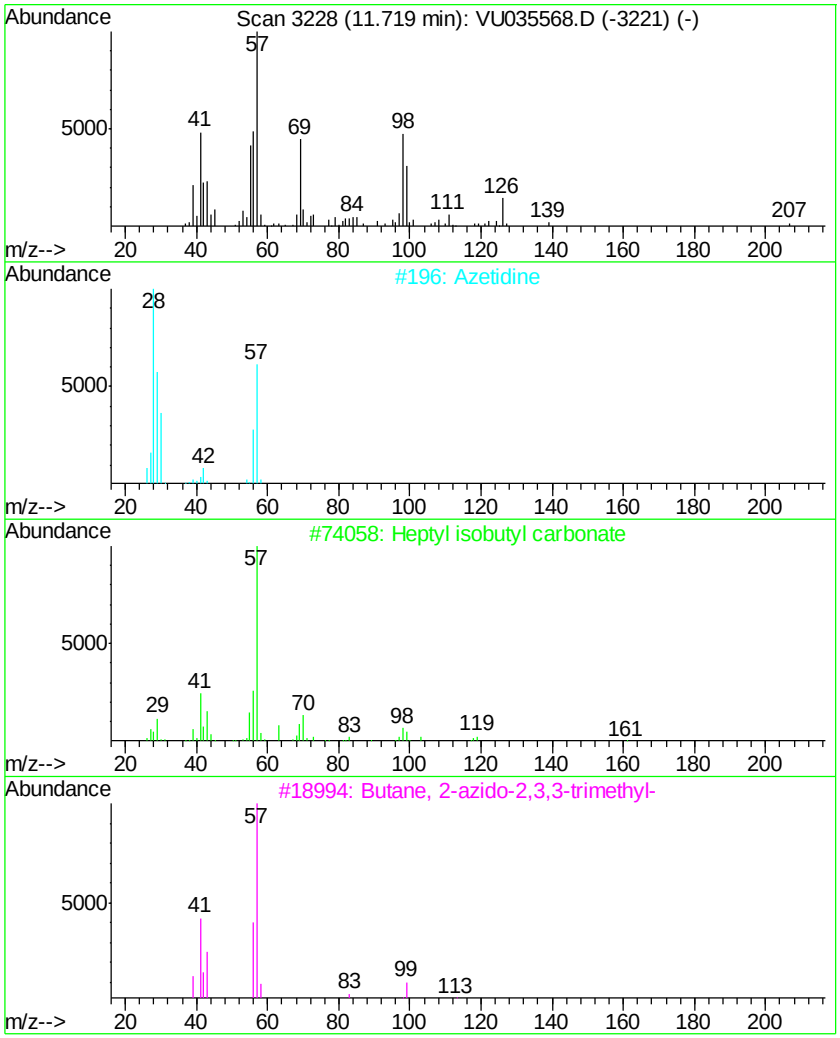
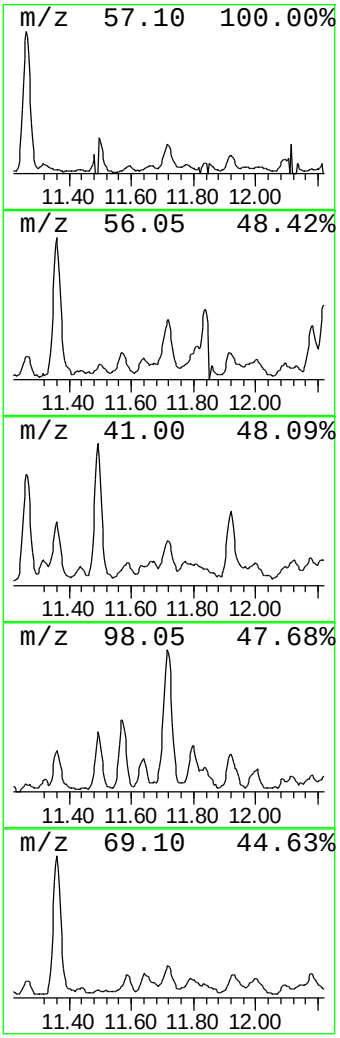
Peak Number 20 unknown-02 Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.72	4.08 ug/L	141685	1,4-Dichlorobenzene-d4	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Azetidine	57	C3H7N	000503-29-7	38
2	Heptyl isobutyl carbonate	216	C12H24O3	959068-08-7	38
3	Butane, 2-azido-2,3,3-trimethyl-	141	C7H15N3	051677-41-9	37
4	Octane, 2,3-dimethyl-	142	C10H22	007146-60-3	33
5	Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	25





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU103119\
Data File : VU035568.D
Acq On : 30 Oct 2019 18:15
Operator : JC/SP
Sample : K5538-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF6M1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM103119WMA.M
Quant Title : VOC Analysis

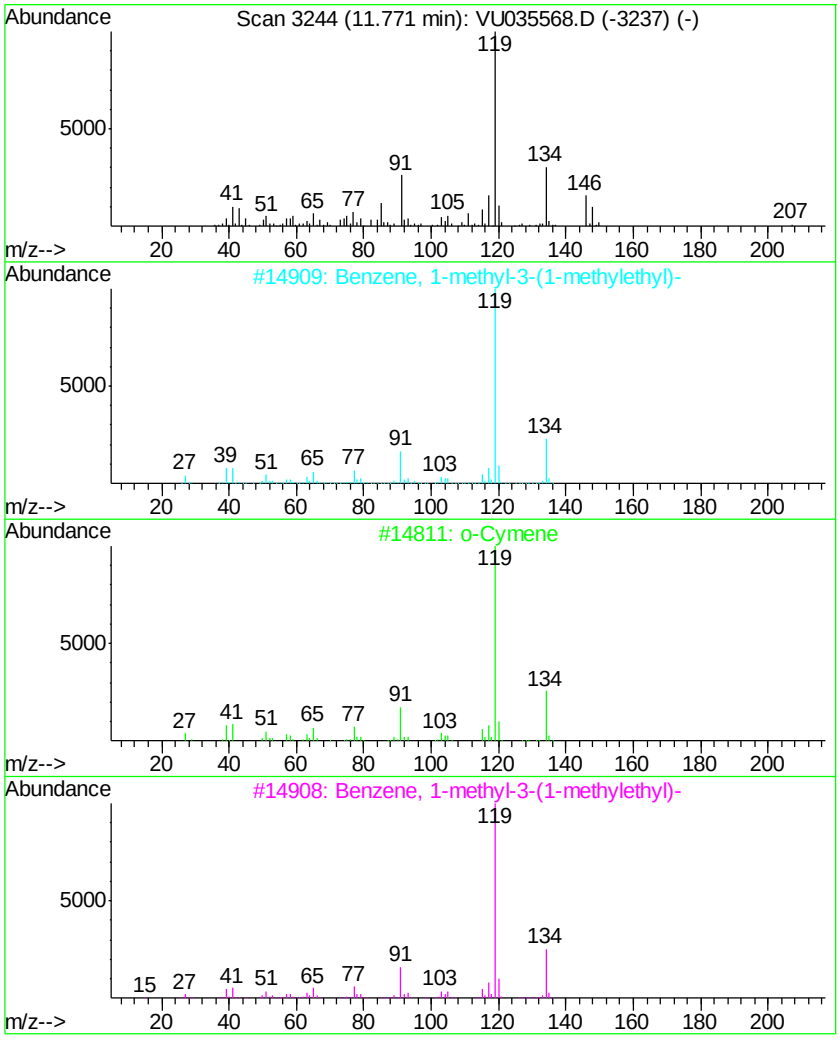
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

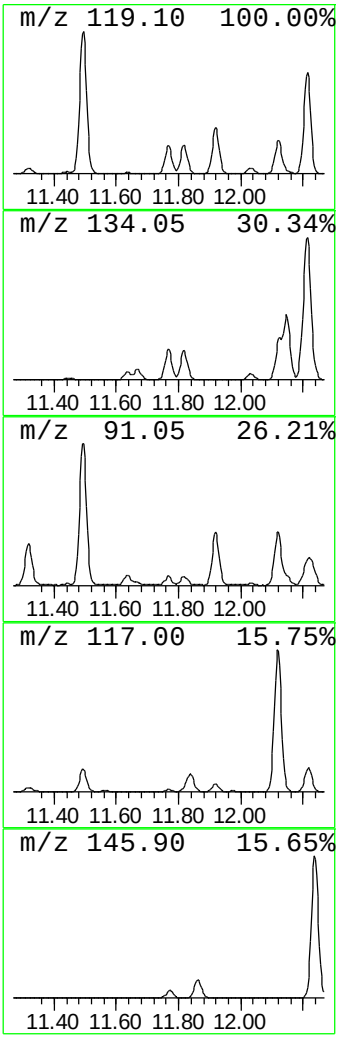
****

Peak Number 21 Benzene, 1-methyl-3-(1-meth... Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.77	4.93 ug/L	171246	1,4-Dichlorobenzene-d4	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	93
2	o-Cymene	134	C10H14	000527-84-4	90
3	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	81
4	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	81
5	p-Cymene	134	C10H14	000099-87-6	81





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Data File : VU035568.D
Acq On : 30 Oct 2019 18:15
Operator : JC/SP
Sample : K5538-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF6M1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM103119WMA.M
Quant Title : VOC Analysis

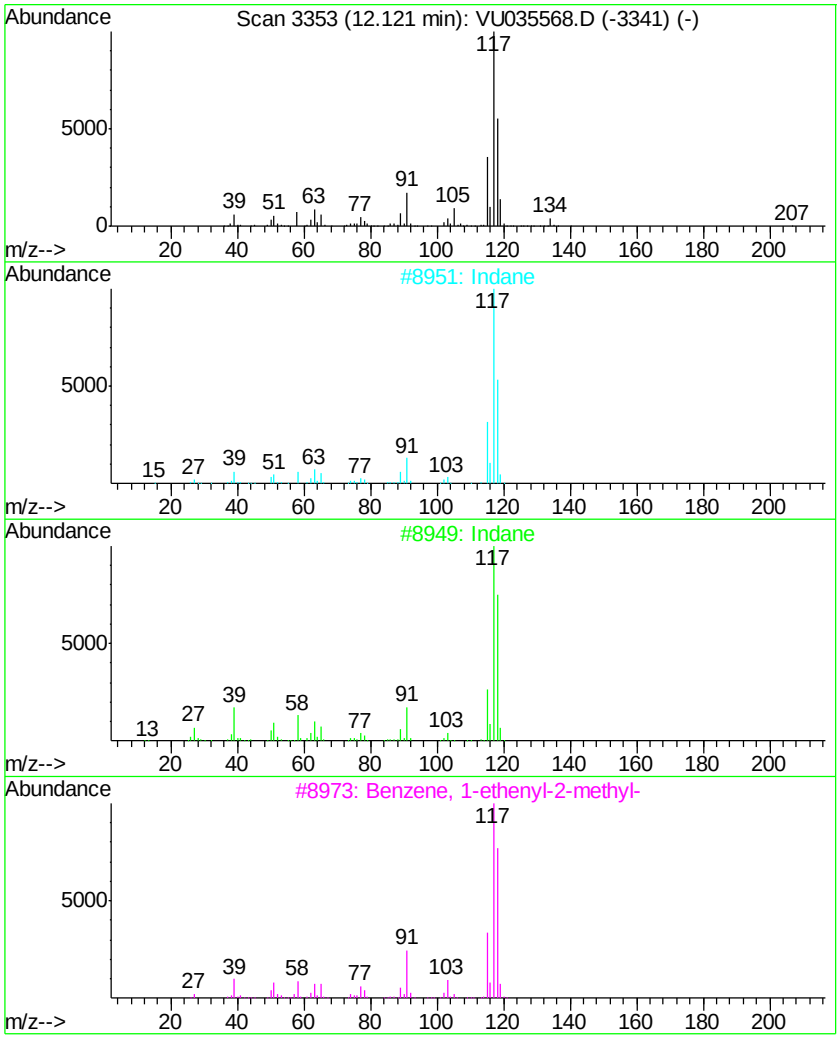
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

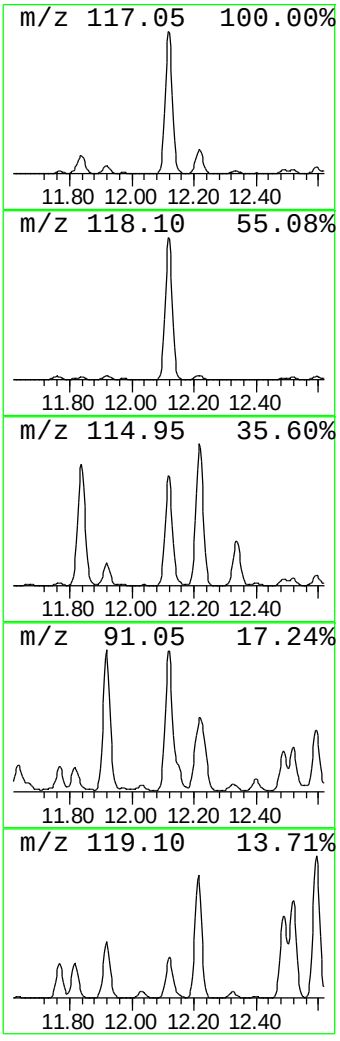
****

Peak Number 23 Indane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.12	42.26 ug/L	1466920	1,4-Dichlorobenzene-d4	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	81
2	Indane	118	C9H10	000496-11-7	81
3	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	81
4	Benzene, cyclopropyl-	118	C9H10	000873-49-4	76
5	Benzene, cyclopropyl-	118	C9H10	000873-49-4	74





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Data File : VU035568.D
Acq On : 30 Oct 2019 18:15
Operator : JC/SP
Sample : K5538-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF6M1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM103119WMA.M
Quant Title : VOC Analysis

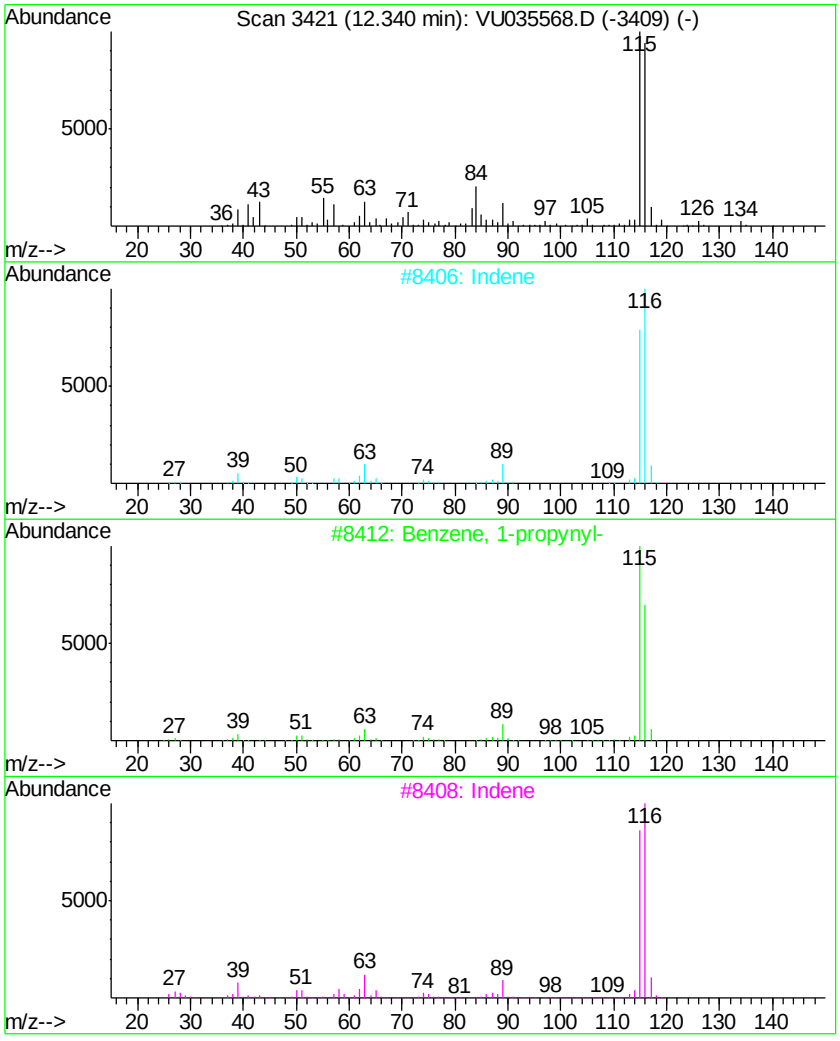
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

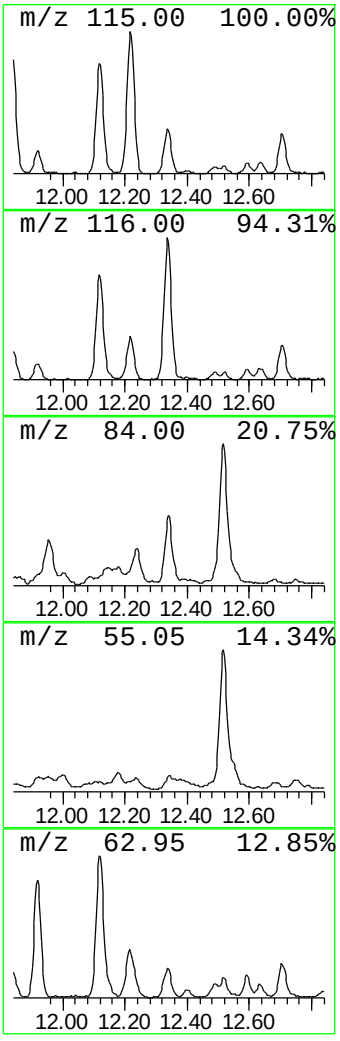
****

Peak Number 24 Indene Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.34	8.61 ug/L	298831	1,4-Dichlorobenzene-d4	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	94
2	Benzene, 1-propynyl-	116	C9H8	000673-32-5	93
3	Indene	116	C9H8	000095-13-6	91
4	Benzene, 1-ethynyl-4-methyl-	116	C9H8	000766-97-2	87
5	Benzene, 1-propynyl-	116	C9H8	000673-32-5	87





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Acq On : 30 Oct 2019 18:15
Operator : JC/SP
Sample : K5538-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF6M1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM103119WMA.M
Quant Title : VOC Analysis

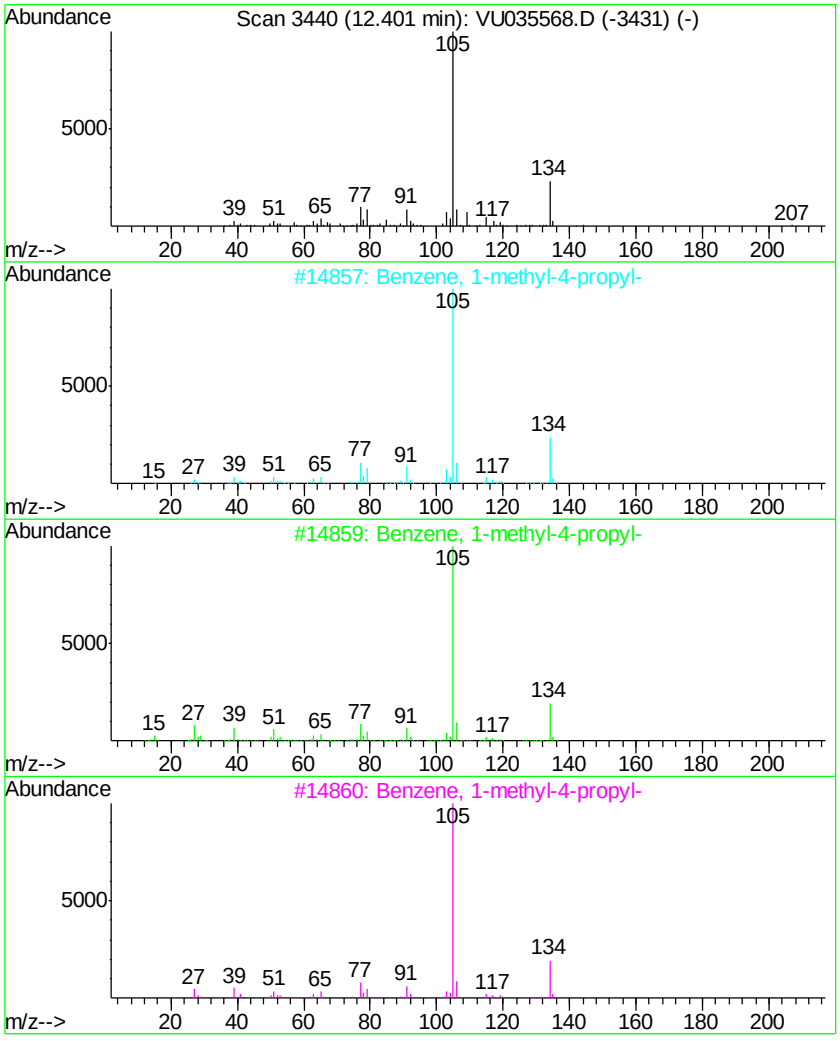
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

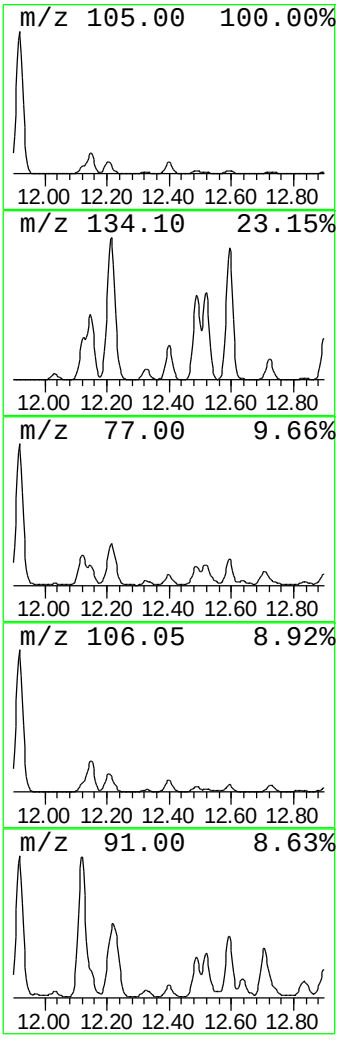
****

Peak Number 25 Benzene, 1-methyl-4-propyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.40	5.75 ug/L	199414	1,4-Dichlorobenzene-d4	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	94
2	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	81
3	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	81
4	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	81
5	2-Tolyloxirane	134	C9H10O	002783-26-8	81





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Data File : VU035568.D
Acq On : 30 Oct 2019 18:15
Operator : JC/SP
Sample : K5538-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF6M1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM103119WMA.M
Quant Title : VOC Analysis

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

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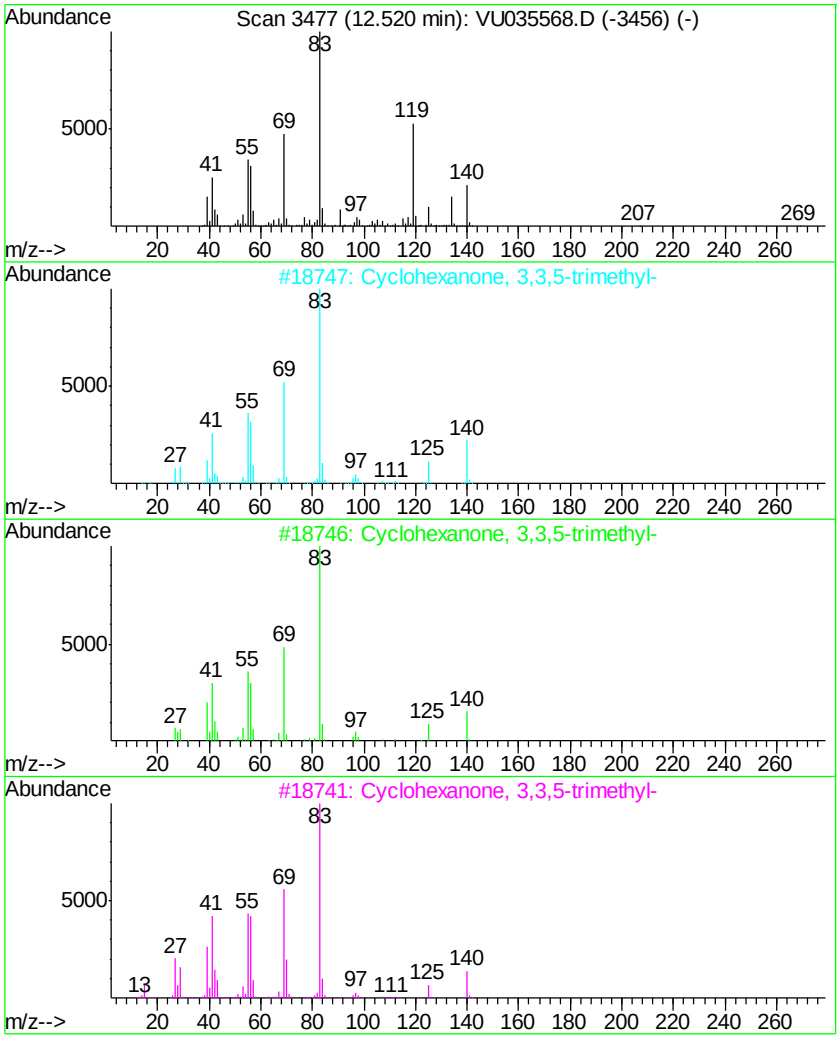
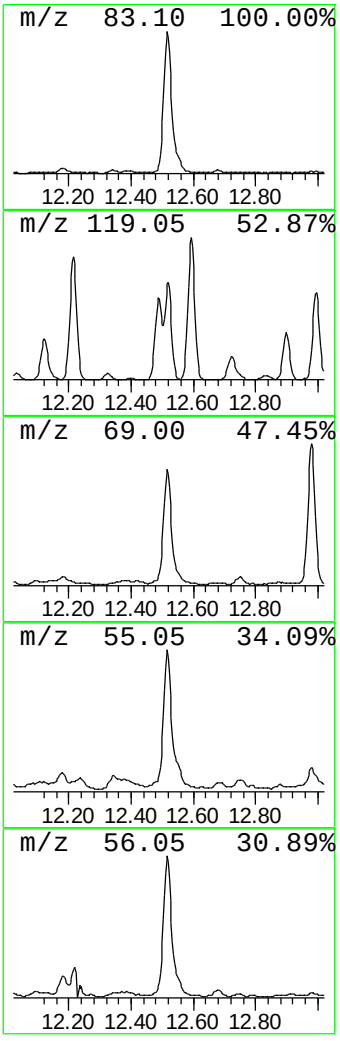
Peak Number 26 Cyclohexanone, 3,3,5-trimet... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.52	52.32 ug/L	1815950	1,4-Dichlorobenzene-d4	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexanone, 3,3,5-trimethyl-	140	C9H16O	000873-94-9	95
2	Cyclohexanone, 3,3,5-trimethyl-	140	C9H16O	000873-94-9	86
3	Cyclohexanone, 3,3,5-trimethyl-	140	C9H16O	000873-94-9	70
4	Cyclohexanone, 3,3,5-trimethyl-	140	C9H16O	000873-94-9	58
5	2,4,6-Trimethyl-3-heptene	140	C10H20	1000113-56-9	43





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Data File : VU035568.D
Acq On : 30 Oct 2019 18:15
Operator : JC/SP
Sample : K5538-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF6M1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM103119WMA.M
Quant Title : VOC Analysis

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

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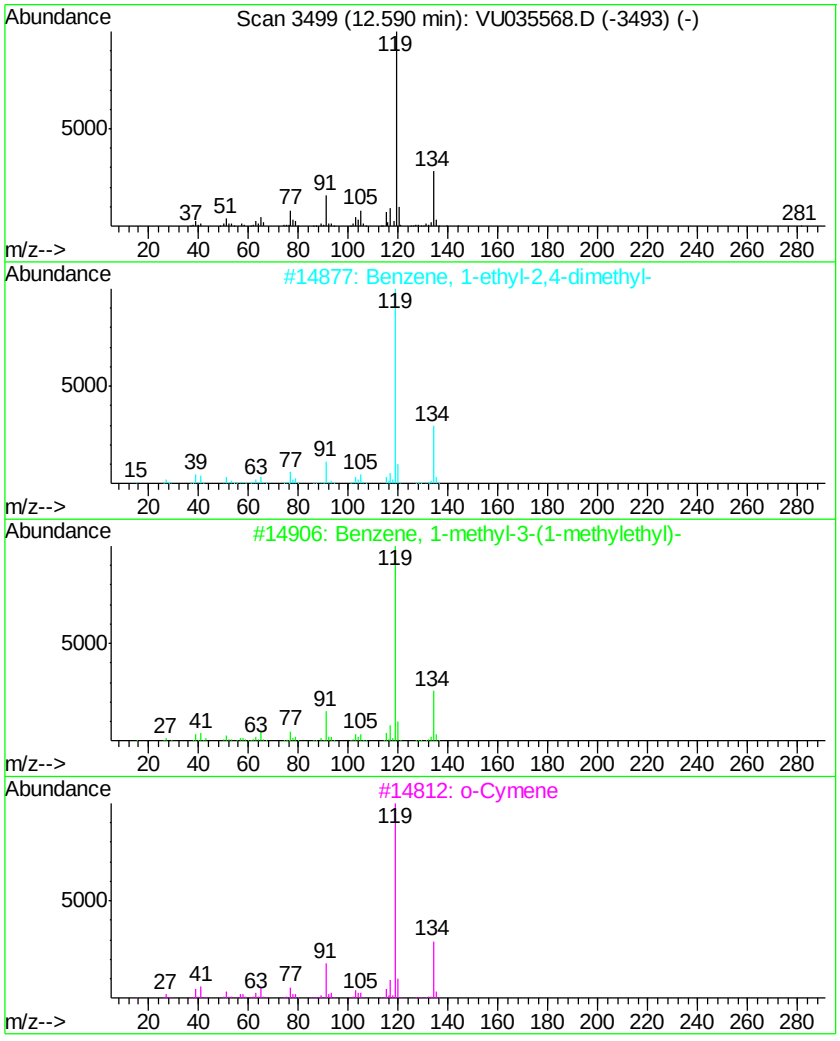
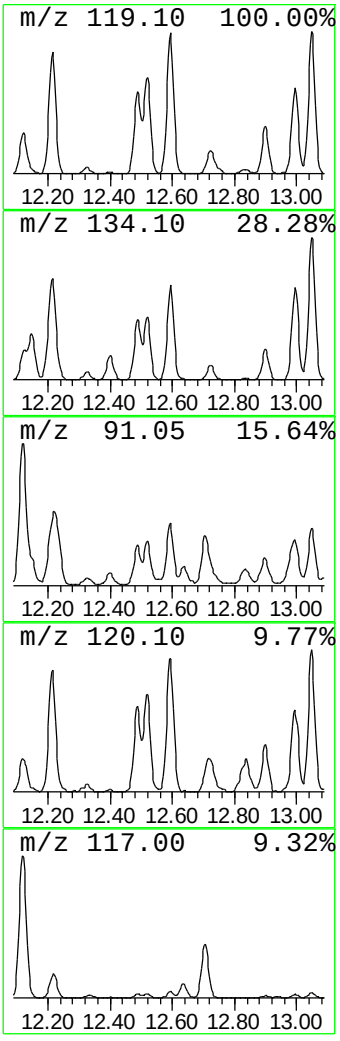
Peak Number 27 Benzene, 1-ethyl-2,4-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.59	12.33 ug/L	427883	1,4-Dichlorobenzene-d4	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	97
2	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95
3	o-Cymene	134	C10H14	000527-84-4	95
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95
5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95





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Data File : VU035568.D
Acq On : 30 Oct 2019 18:15
Operator : JC/SP
Sample : K5538-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF6M1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM103119WMA.M
Quant Title : VOC Analysis

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

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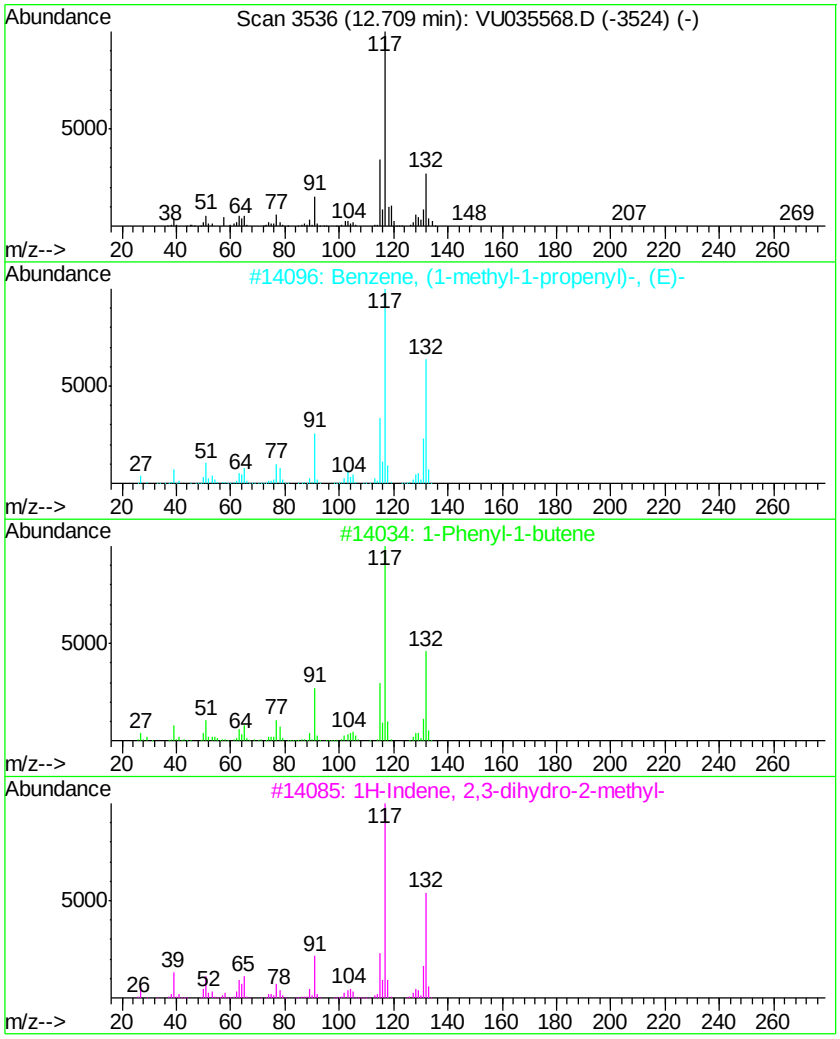
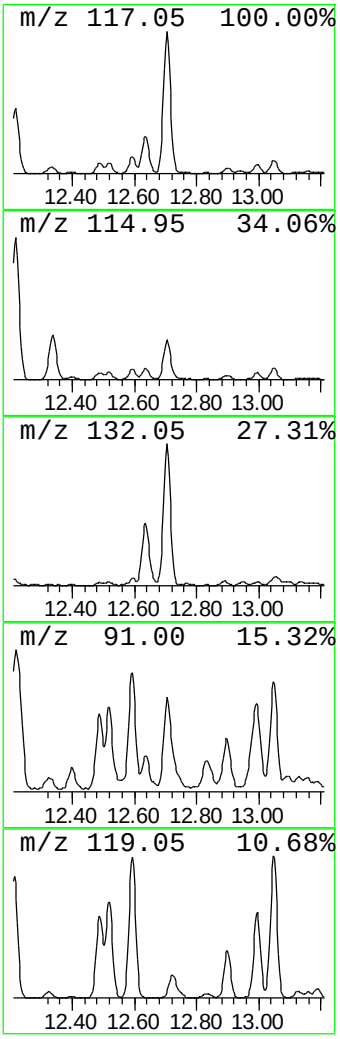
Peak Number 29 Benzene, (1-methyl-1-propen... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.71	15.82 ug/L	549066	1,4-Dichlorobenzene-d4	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	87
2	1-Phenyl-1-butene	132	C10H12	000824-90-8	87
3	1H-Indene, 2,3-dihydro-2-methyl-	132	C10H12	000824-63-5	87
4	Indan, 1-methyl-	132	C10H12	000767-58-8	87
5	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	86





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Data File : VU035568.D
Acq On : 30 Oct 2019 18:15
Operator : JC/SP
Sample : K5538-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF6M1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM103119WMA.M
Quant Title : VOC Analysis

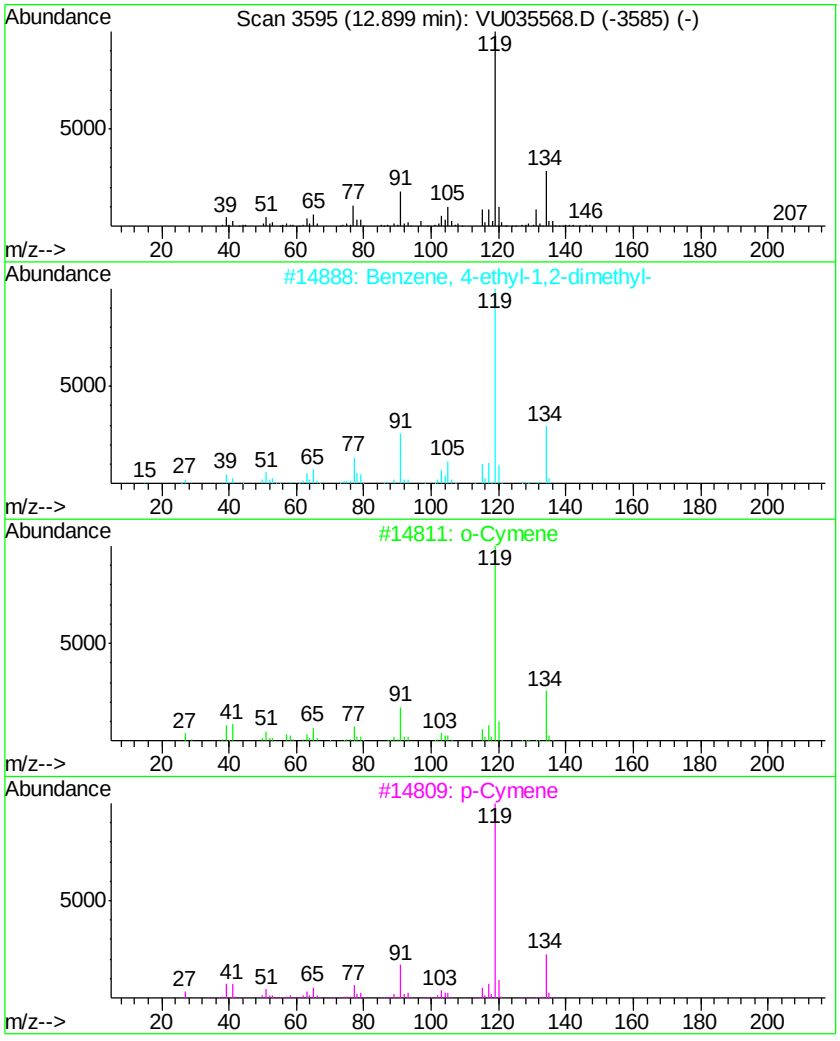
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

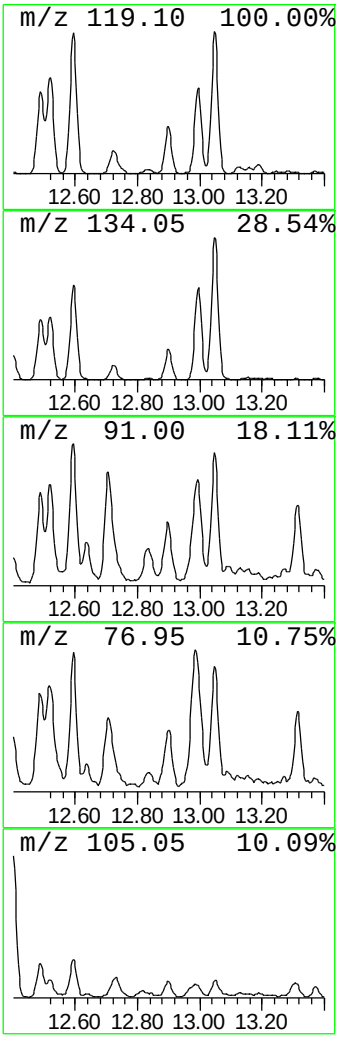
****

Peak Number 30 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.90	5.19 ug/L	180233	1,4-Dichlorobenzene-d4	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	96
2	o-Cymene	134	C10H14	000527-84-4	95
3	p-Cymene	134	C10H14	000099-87-6	95
4	o-Cymene	134	C10H14	000527-84-4	94
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	93





Library Search Compound Report

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Data File : VU035568.D
Acq On : 30 Oct 2019 18:15
Operator : JC/SP
Sample : K5538-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF6M1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM103119WMA.M
Quant Title : VOC Analysis

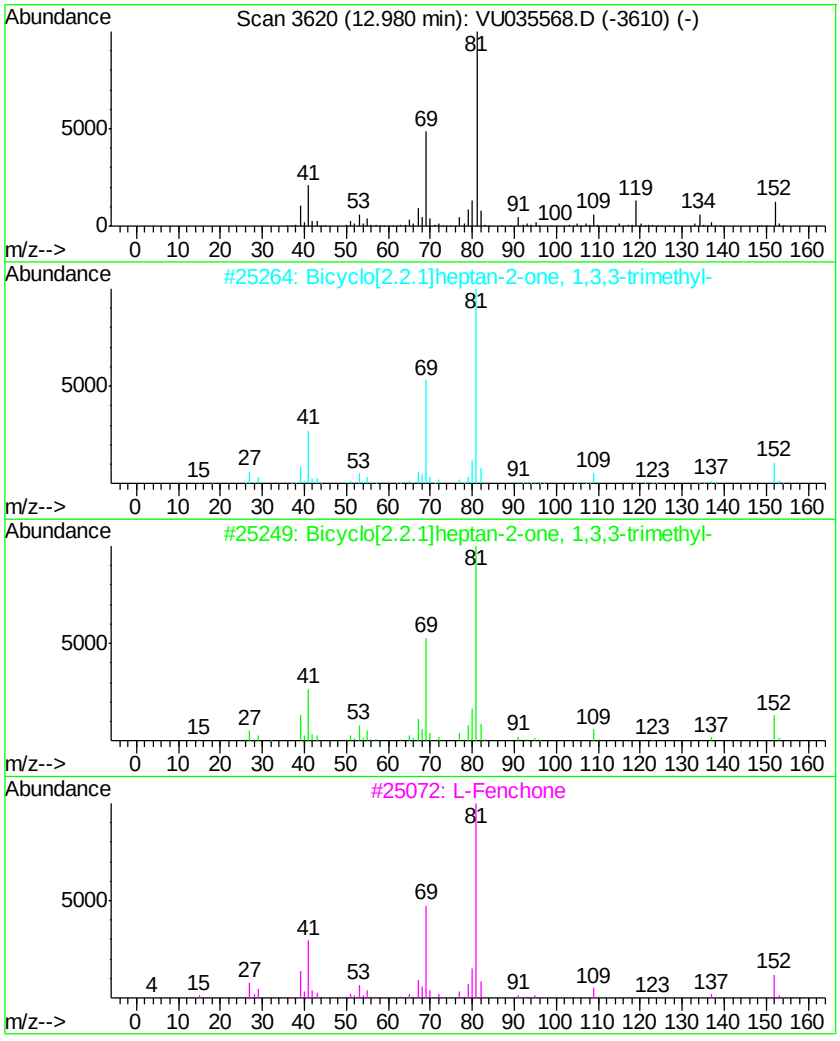
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

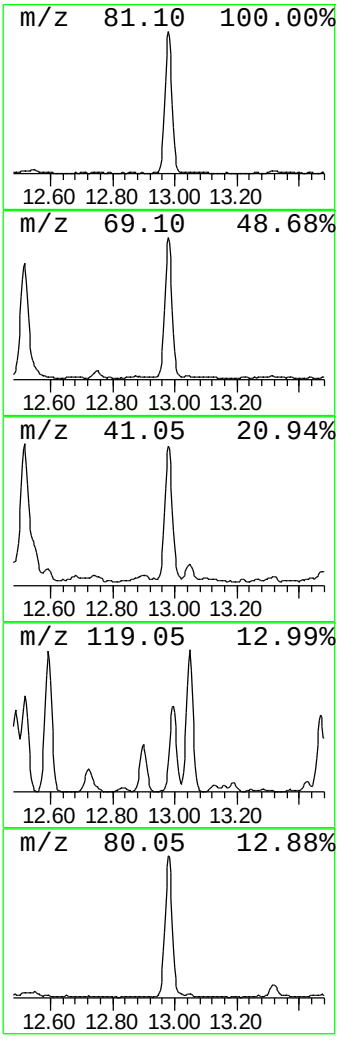
****

Peak Number 31 Bicyclo[2.2.1]heptan-2-one,... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.98	32.12 ug/L	1114730	1,4-Dichlorobenzene-d4	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[2.2.1]heptan-2-one, 1,3,...	152	C10H16O	001195-79-5	94
2	Bicyclo[2.2.1]heptan-2-one, 1,3,...	152	C10H16O	001195-79-5	94
3	L-Fenchone	152	C10H16O	007787-20-4	94
4	L-Fenchone	152	C10H16O	007787-20-4	93
5	D-Fenchone	152	C10H16O	004695-62-9	81





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Acq On : 30 Oct 2019 18:15
Operator : JC/SP
Sample : K5538-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF6M1

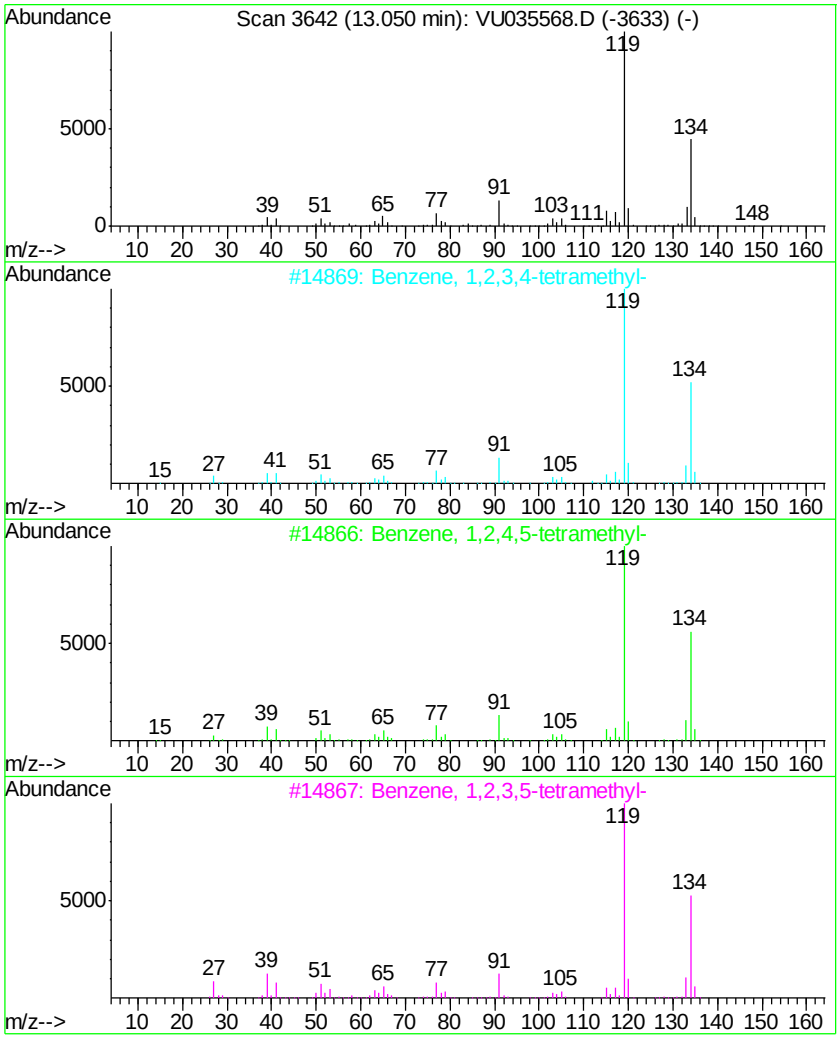
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM103119WMA.M
Quant Title : VOC Analysis

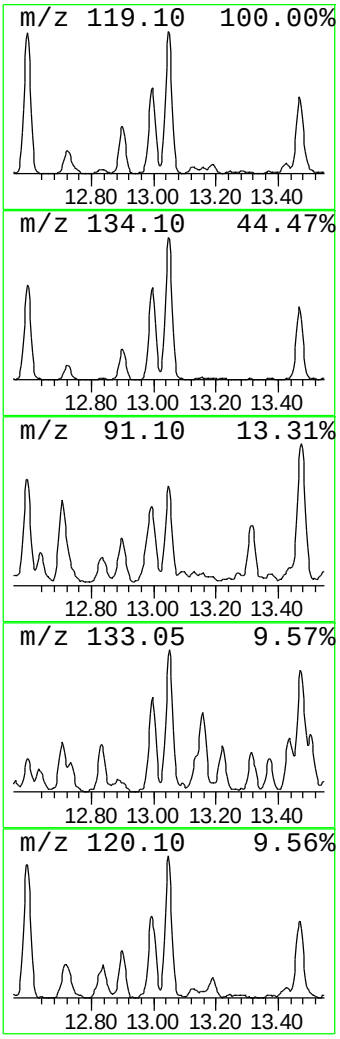
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 32 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.05	12.90 ug/L	447709	1,4-Dichlorobenzene-d4	11.84

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, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	97
4	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	97
5	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	97





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Data File : VU035568.D
Acq On : 30 Oct 2019 18:15
Operator : JC/SP
Sample : K5538-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF6M1

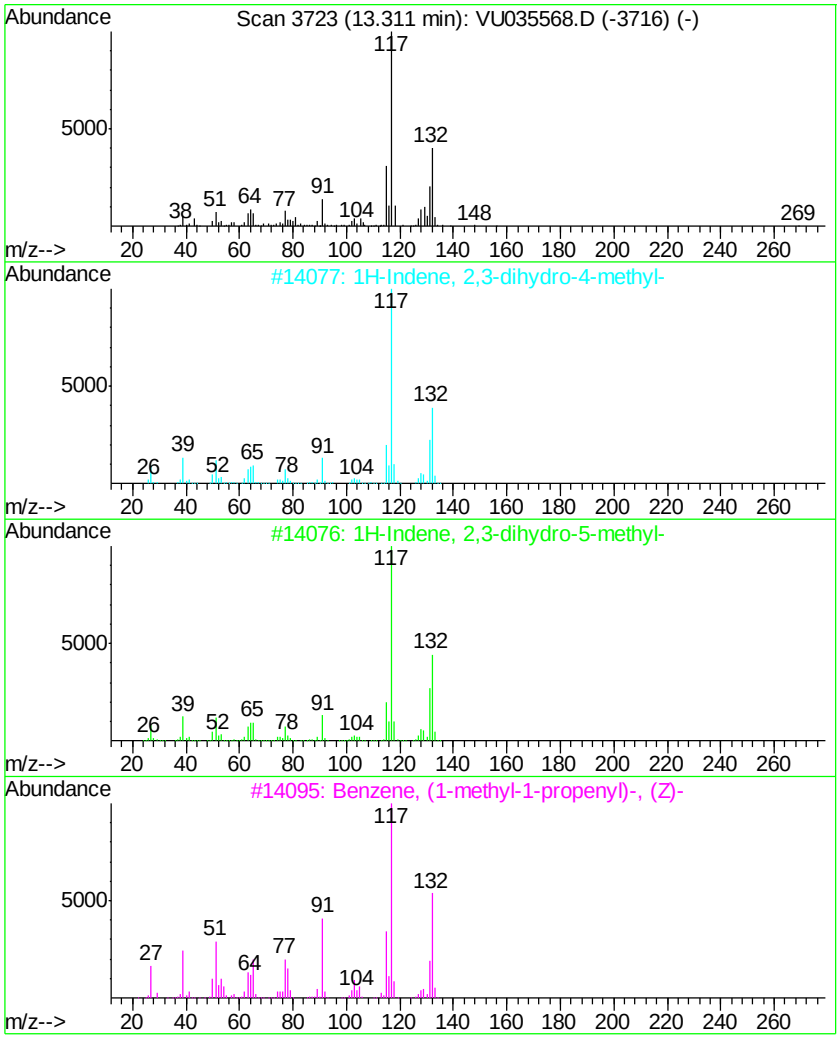
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM103119WMA.M
Quant Title : VOC Analysis

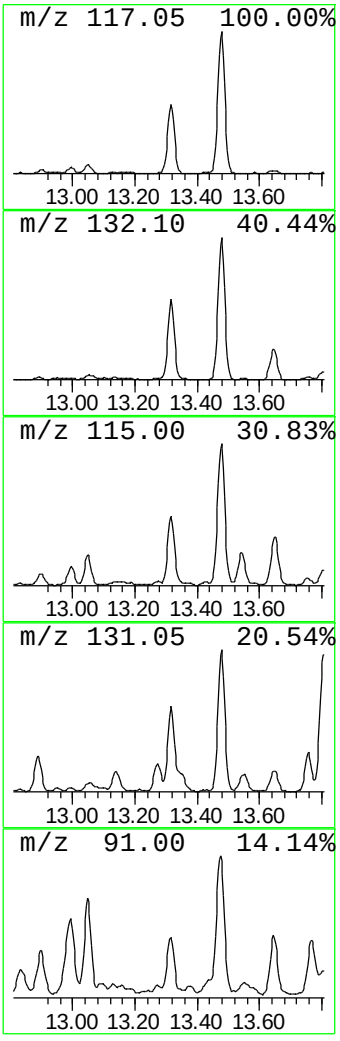
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 33 1H-Indene, 2,3-dihydro-4-me... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.31	10.39 ug/L	360740	1,4-Dichlorobenzene-d4	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	87
2	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	87
3	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000767-99-7	86
4	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	86
5	1-Phenyl-1-butene	132	C10H12	000824-90-8	83





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU103119\
Data File : VU035568.D
Acq On : 30 Oct 2019 18:15
Operator : JC/SP
Sample : K5538-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF6M1

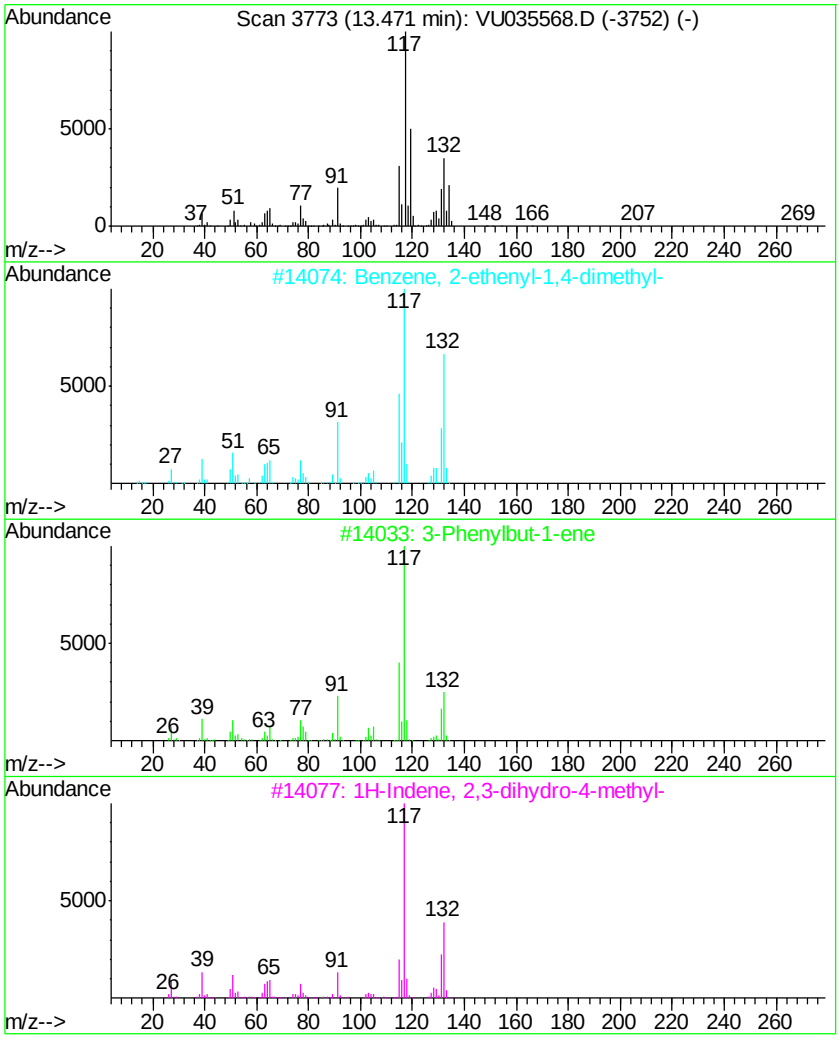
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM103119WMA.M
Quant Title : VOC Analysis

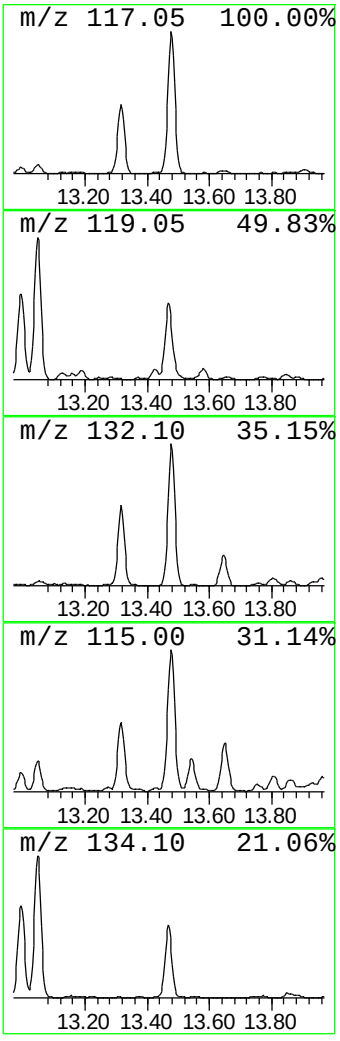
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 34 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.47	29.48 ug/L	1023360	1,4-Dichlorobenzene-d4	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	95
2	3-Phenylbut-1-ene	132	C10H12	000934-10-1	76
3	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	76
4	Benzene, 2-ethenyl-1,3-dimethyl-	132	C10H12	002039-90-9	70
5	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	68





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU103119\
Data File : VU035568.D
Acq On : 30 Oct 2019 18:15
Operator : JC/SP
Sample : K5538-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF6M1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM103119WMA.M
Quant Title : VOC Analysis

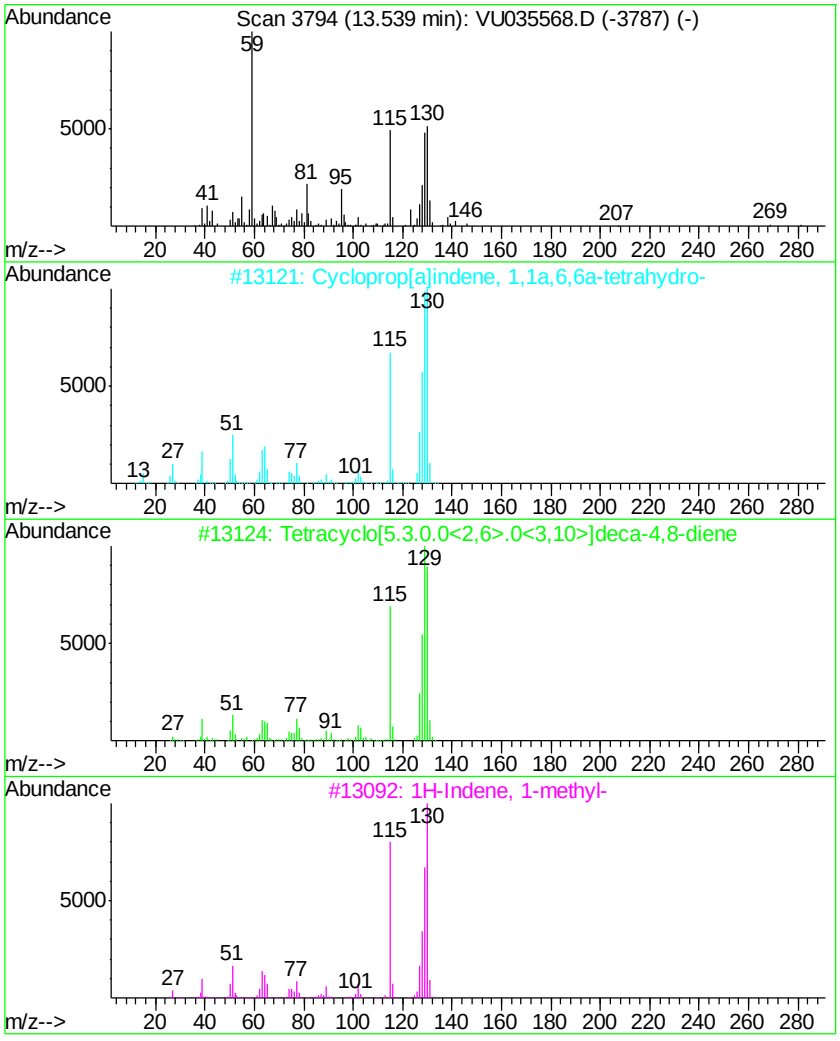
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

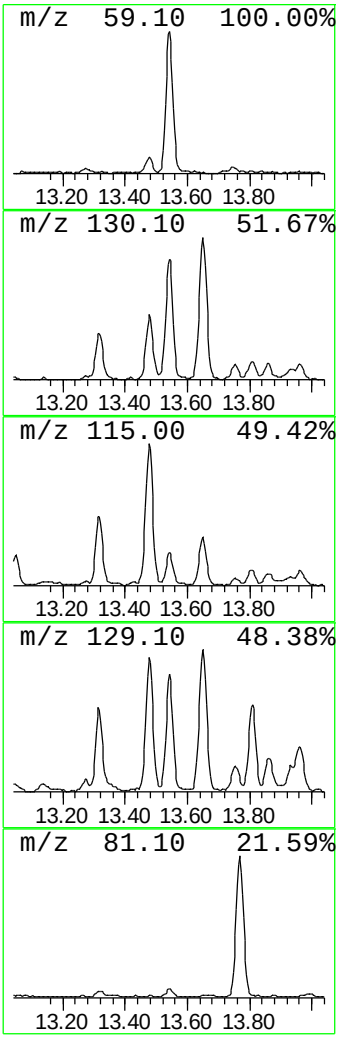
****

Peak Number 35 Cycloprop[a]indene, 1,1a,6,... Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.54	4.18 ug/L	145008	1,4-Dichlorobenzene-d4	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cycloprop[a]indene, 1,1a,6,6a-te...	130	C10H10	015677-15-3	83
2	Tetracyclo[5.3.0.0<2,6>.0<3,10>]...	130	C10H10	034324-40-8	66
3	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	64
4	2-Methylindene	130	C10H10	002177-47-1	50
5	Benzene,1-methyl-1,2-propadienyl-	130	C10H10	022433-39-2	46





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU103119\
Data File : VU035568.D
Acq On : 30 Oct 2019 18:15
Operator : JC/SP
Sample : K5538-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : BF6M1

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM103119WMA.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
Sulfur dioxide	1.49	3.1	ug/L	92979	1	6.29	1521380	50.0
Ethanol	2.32	4.5	ug/L	136226	1	6.29	1521380	50.0
1-Butanol, 3-meth...	3.24	2.6	ug/L	78354	1	6.29	1521380	50.0
(DEL) Alkane: Cyc...	4.58	5.2	ug/L	158962	1	6.29	1521380	50.0
n-Propyl acetate	7.09	4.1	ug/L	124502	1	6.29	1521380	50.0
2-Pentanone, 3-me...	8.08	4.0	ug/L	139941	2	9.45	1735470	50.0
Thiophene, tetrah...	8.83	19.5	ug/L	677965	2	9.45	1735470	50.0
Thiophene, tetrah...	9.86	16.9	ug/L	588022	2	9.45	1735470	50.0
2H-Thiopyran, tet...	10.07	2.8	ug/L	96155	2	9.45	1735470	50.0
unknown-01	10.45	3.3	ug/L	115308	2	9.45	1735470	50.0
Benzene, 1-ethyl-...	11.02	71.9	ug/L	2495370	3	11.84	1735490	50.0
Benzene, 1,2,3-tr...	11.11	37.3	ug/L	1295970	3	11.84	1735490	50.0
4-Heptanone, 2,6-...	11.26	11.2	ug/L	390129	3	11.84	1735490	50.0
Benzene, 1-ethyl-...	11.32	31.2	ug/L	1083310	3	11.84	1735490	50.0
Cyclohexanone, 3,...	11.36	6.2	ug/L	213480	3	11.84	1735490	50.0
unknown-02	11.72	4.1	ug/L	141685	3	11.84	1735490	50.0
Benzene, 1-methyl...	11.77	4.9	ug/L	171246	3	11.84	1735490	50.0
Indane	12.12	42.3	ug/L	1466920	3	11.84	1735490	50.0
Indene	12.34	8.6	ug/L	298831	3	11.84	1735490	50.0
Benzene, 1-methyl...	12.40	5.8	ug/L	199414	3	11.84	1735490	50.0
Cyclohexanone, 3,...	12.52	52.3	ug/L	1815950	3	11.84	1735490	50.0
Benzene, 1-ethyl-...	12.59	12.3	ug/L	427883	3	11.84	1735490	50.0
Benzene, (1-methy...	12.71	15.8	ug/L	549066	3	11.84	1735490	50.0
Benzene, 4-ethyl-...	12.90	5.2	ug/L	180233	3	11.84	1735490	50.0
Bicyclo[2.2.1]hep...	12.98	32.1	ug/L	1114730	3	11.84	1735490	50.0
Benzene, 1,2,3,4-...	13.05	12.9	ug/L	447709	3	11.84	1735490	50.0
1H-Indene, 2,3-di...	13.31	10.4	ug/L	360740	3	11.84	1735490	50.0
Benzene, 2-etheny...	13.47	29.5	ug/L	1023360	3	11.84	1735490	50.0
Cycloprop[a]inden...	13.54	4.2	ug/L	145008	3	11.84	1735490	50.0