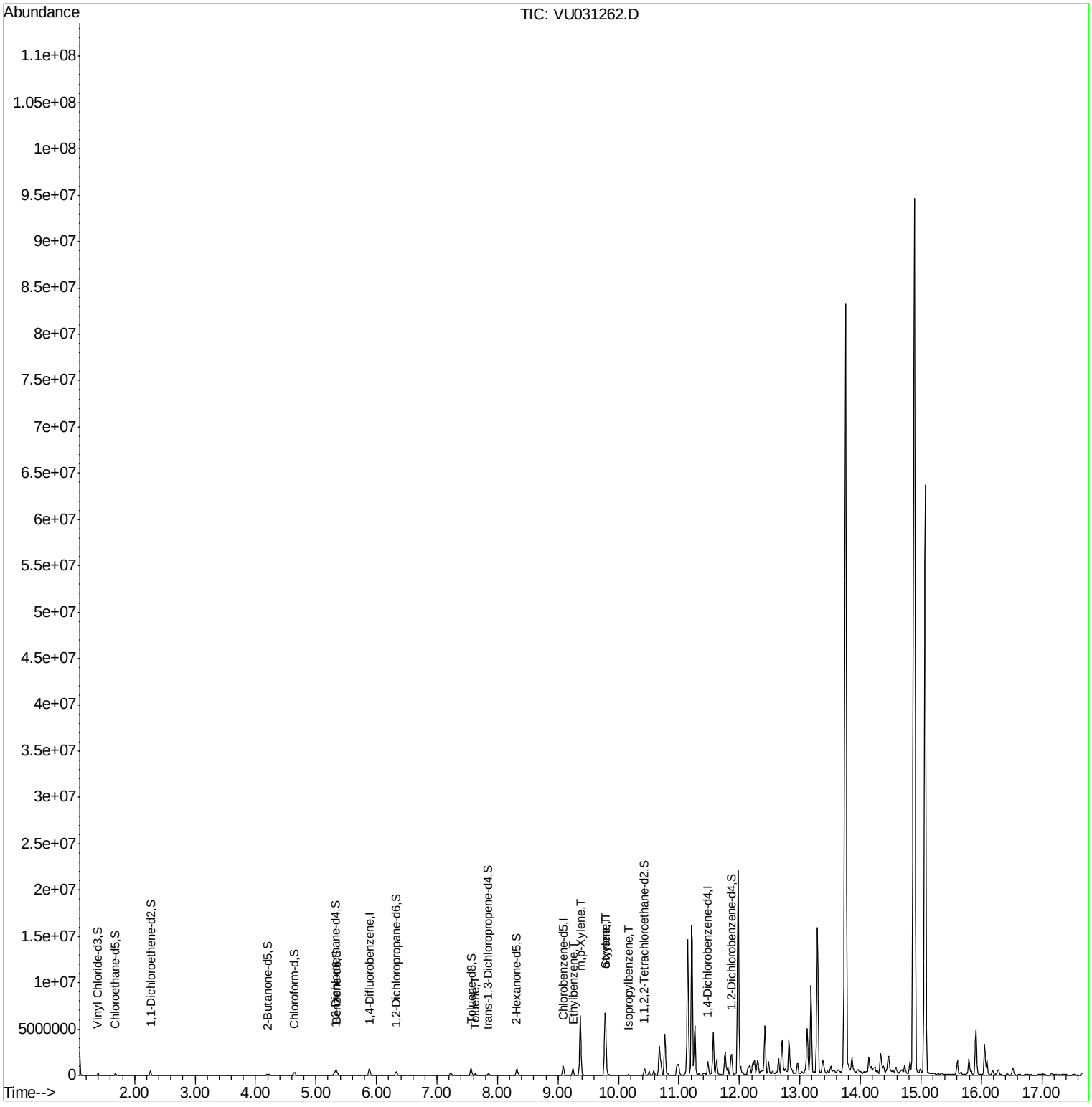
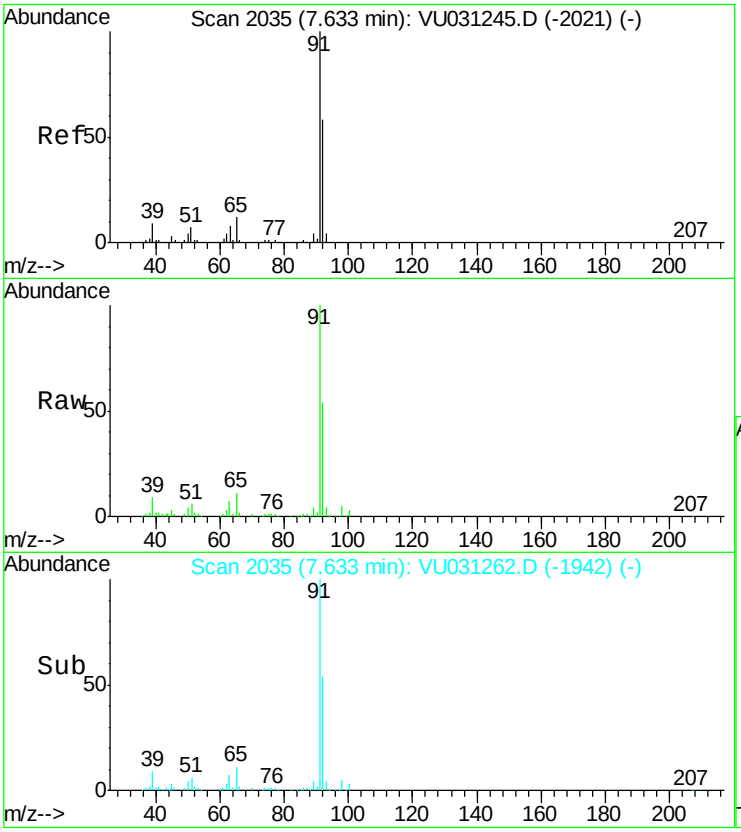
Quantitation Report (LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041719\
Data File : VU031262.D
Acq On : 17 Apr 2019 16:13
Operator : JC/SP
Sample : K2455-05 5X
Misc : 5.02g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GAHQ7

Quant Time: Apr 18 06:09:22 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Apr 18 04:50:11 2019
Response via : Initial Calibration



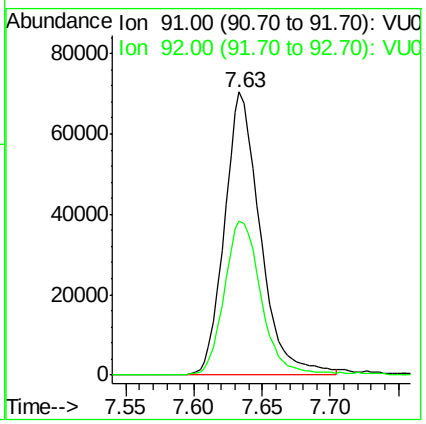


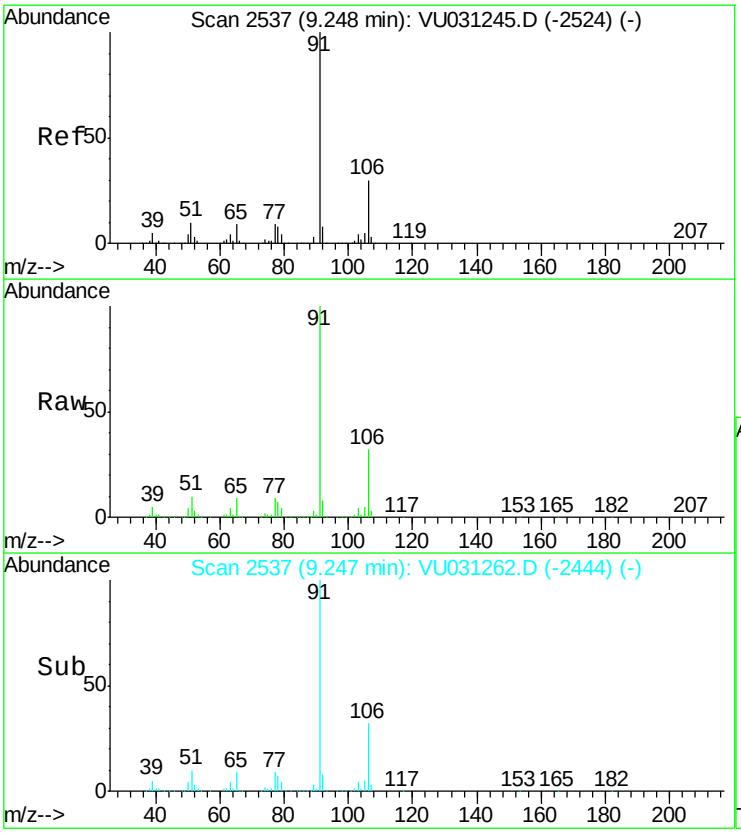
#42
Toluene
Concen: 5.913 ug/L
RT: 7.63 min Scan# 2035
Delta R.T. 0.00 min
Lab File: VU031262.D
Acq: 17 Apr 2019 16:13

Instrument :
MSVOA_U
ClientSampleId :
GAHQ7

Tgt Ion: 91 Resp: 128500

Ion	Ratio	Lower	Upper
91	100		
92	54.5	40.1	74.5

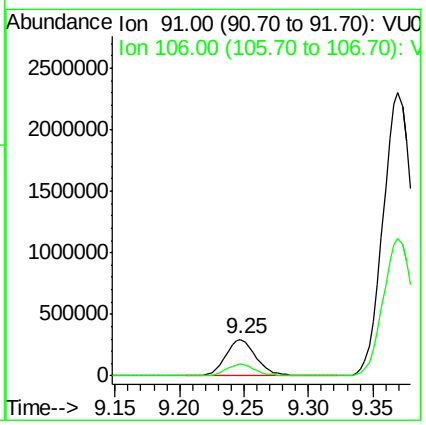


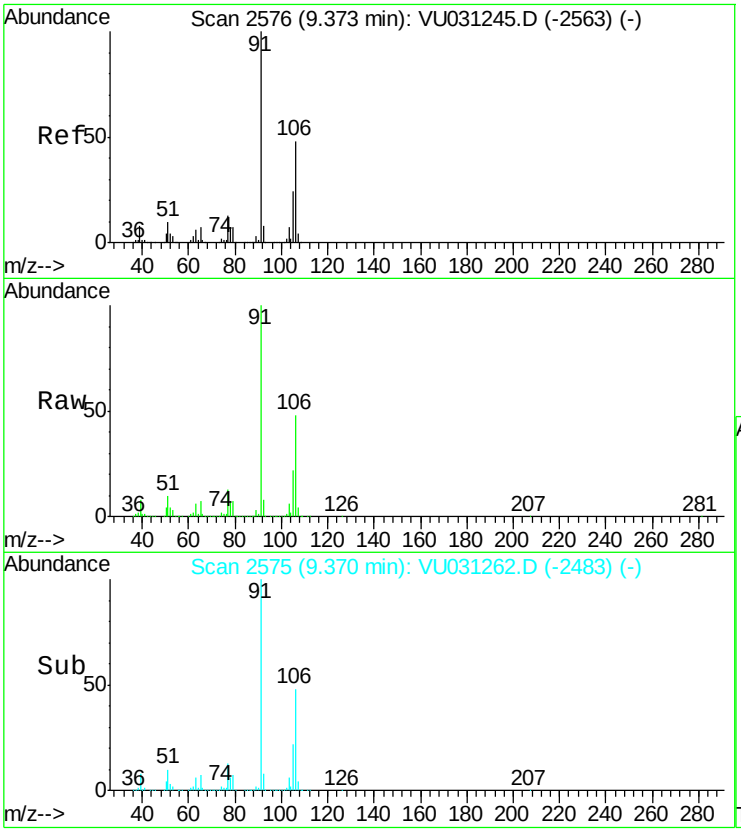


#52
Ethylbenzene
Concen: 20.925 ug/L
RT: 9.25 min Scan# 2537
Delta R.T. 0.00 min
Lab File: VU031262.D
Acq: 17 Apr 2019 16:13

Tgt Ion: 91 Resp: 495055

Ion	Ratio	Lower	Upper
91	100		
106	31.7	20.9	38.7



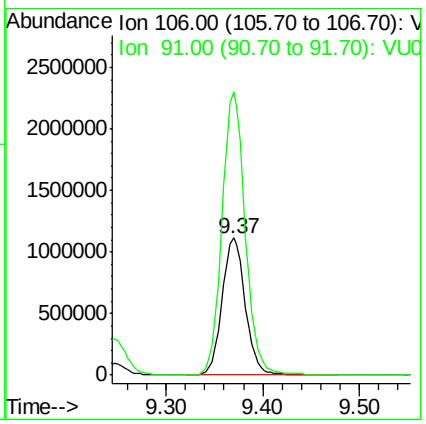


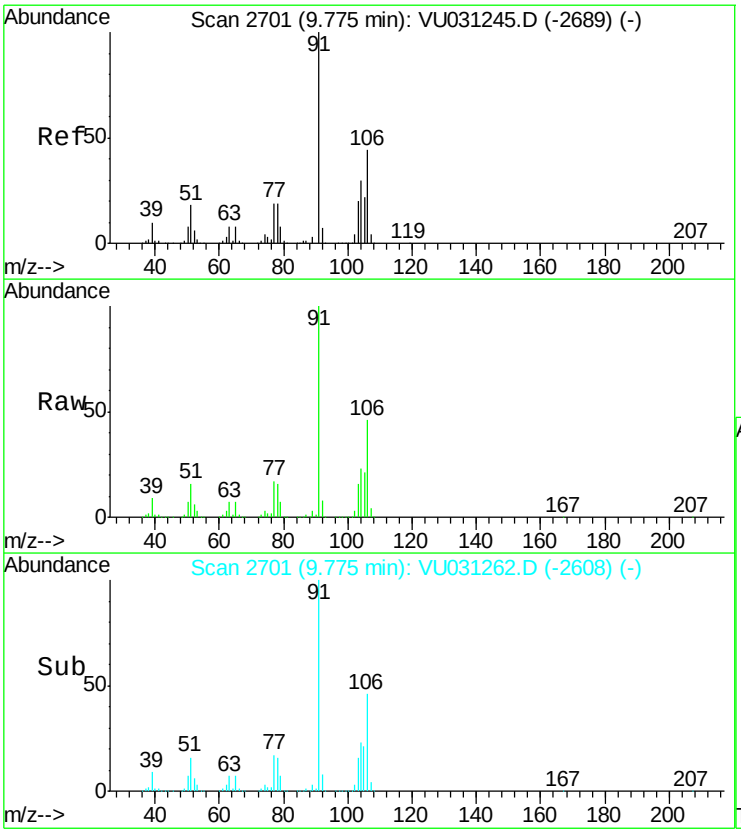
#53
m,p-Xylene
Concen: 220.968 ug/L
RT: 9.37 min Scan# 2575
Delta R.T. -0.00 min
Lab File: VU031262.D
Acq: 17 Apr 2019 16:13

Instrument :
MSVOA_U
ClientSampleId :
GAHQ7

Tgt Ion:106 Resp: 1844847

Ion	Ratio	Lower	Upper
106	100		
91	206.8	144.5	268.4

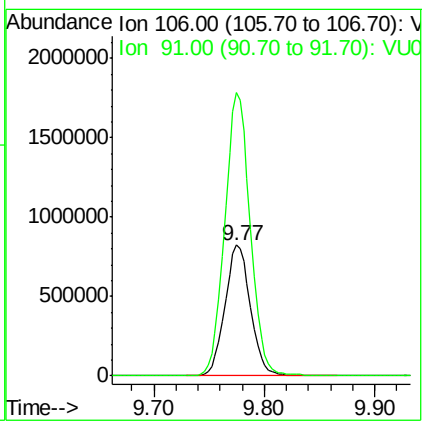


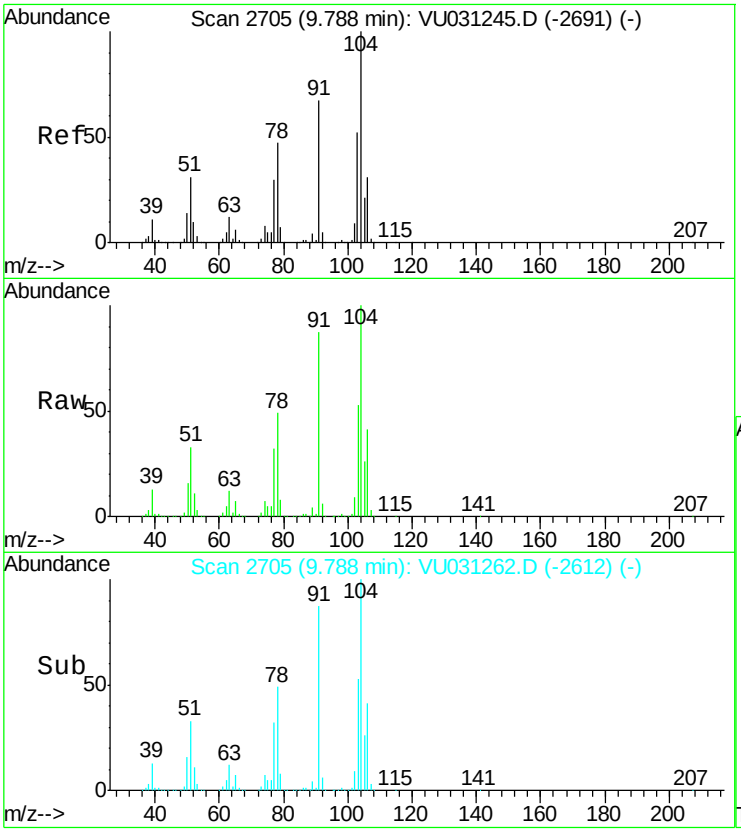


#54
o-xylene
Concen: 156.312 ug/L
RT: 9.77 min Scan# 2701
Delta R.T. 0.00 min
Lab File: VU031262.D
Acq: 17 Apr 2019 16:13

Tgt Ion:106 Resp: 1321581

Ion	Ratio	Lower	Upper
106	100		
91	216.6	154.3	286.5



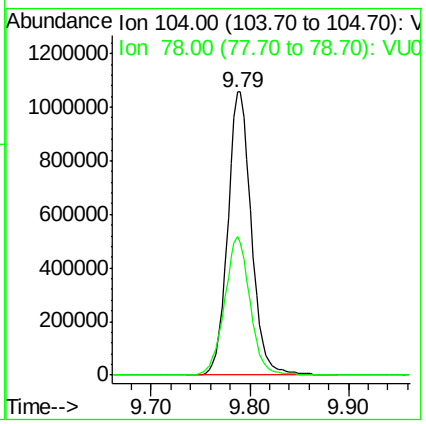


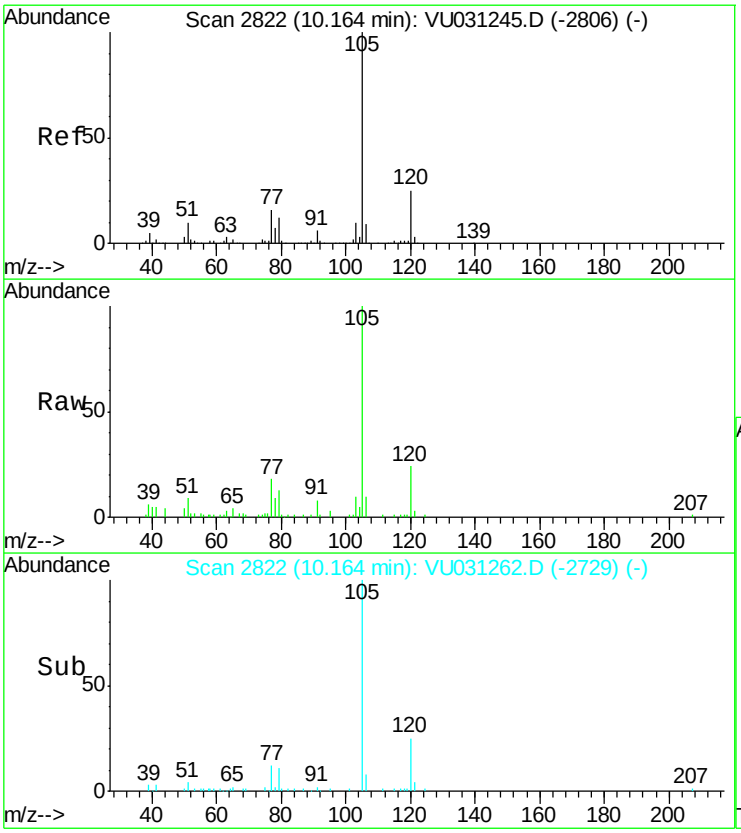
#55
Stvrene
Concen: 123.928 ug/L
RT: 9.79 min Scan# 2705
Delta R.T. 0.00 min
Lab File: VU031262.D
Acq: 17 Apr 2019 16:13

Instrument :
MSVOA_U
ClientSampleId :
GAHQ7

Tgt Ion:104 Resp: 1768691

Ion	Ratio	Lower	Upper
104	100		
78	48.8	32.8	61.0

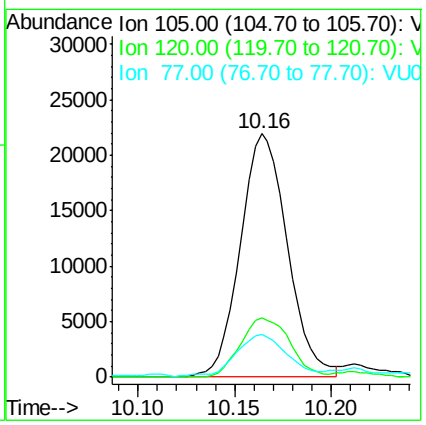




#56
Isopropylbenzene
Concen: 1.717 ug/L
RT: 10.16 min Scan# 2822
Delta R.T. 0.00 min
Lab File: VU031262.D
Acq: 17 Apr 2019 16:13

Tgt Ion:105 Resp: 37200

Ion	Ratio	Lower	Upper
105	100		
120	25.3	20.6	31.0
77	19.3	13.0	19.4



Quantitation Report (LSC Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041719\
Data File : VU031262.D
Acq On : 17 Apr 2019 16:13
Operator : JC/SP
Sample : K2455-05 5X
Misc : 5.02g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHQ7

Quant Time: Apr 18 06:09:22 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Apr 18 04:50:11 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	627069	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	649562	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	335522	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.40	65	169169	29.29	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 58.58%#			
7) Chloroethane-d5	1.68	69	151910	30.30	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 60.60%#			
11) 1,1-Dichloroethene-d2	2.26	63	283121	24.75	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 49.50%#			
21) 2-Butanone-d5	4.20	46	305202	72.56	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 72.56%			
24) Chloroform-d	4.64	84	340325	35.32	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 70.64%			
26) 1,2-Dichloroethane-d4	5.31	65	191380	32.25	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 64.50%#			
32) Benzene-d6	5.33	84	650118	31.66	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 63.32%#			
36) 1,2-Dichloropropane-d6	6.32	67	216880	32.54	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 65.08%#			
41) Toluene-d8	7.56	98	582863	32.26	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 64.52%#			
43) trans-1,3-Dichloropropene-	7.85	79	116109	36.45	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 72.90%			
47) 2-Hexanone-d5	8.32	63	268068	85.21	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 85.21%			
57) 1,1,2,2-Tetrachloroethane-	10.43	84	366388	39.60	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 79.20%			
64) 1,2-Dichlorobenzene-d4	11.86	152	251302	32.66	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 65.32%#			
Target Compounds						Qvalue
42) Toluene	7.63	91	128500	5.913	ug/L	96
52) Ethylbenzene	9.25	91	495055	20.925	ug/L	96
53) m,p-Xylene	9.37	106	1844847	220.968	ug/L	100
54) o-xylene	9.77	106	1321581	156.312	ug/L	98
55) Styrene	9.79	104	1768691	123.928	ug/L	97
56) Isopropylbenzene	10.16	105	37200	1.717	ug/L	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041719\
Data File : VU031262.D
Acq On : 17 Apr 2019 16:13
Operator : JC/SP
Sample : K2455-05 5X
Misc : 5.02g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHQ7

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\SOMULM041719WMA.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	1.180	23	28	35	rBV	18795	18001	0.01%	0.002%
2	1.396	88	95	108	rBV	235037	262355	0.13%	0.034%
3	1.679	176	183	194	rBV	220281	274849	0.14%	0.036%
4	2.264	355	365	379	rVB	479462	740172	0.37%	0.096%
5	2.418	410	413	415	rBV3	1181	713	0.00%	0.000%
6	2.534	441	449	455	rVV3	4597	6678	0.00%	0.001%
7	2.634	472	480	481	rBV7	1003	1191	0.00%	0.000%
8	2.698	492	500	506	rBV7	3802	6174	0.00%	0.001%
9	2.929	569	572	576	rVV2	659	708	0.00%	0.000%
10	2.984	586	589	593	rVV5	984	758	0.00%	0.000%
11	3.064	609	614	618	rBV3	1101	959	0.00%	0.000%
12	3.286	671	683	686	rBV4	1127	1821	0.00%	0.000%
13	3.515	749	754	759	rBV4	794	747	0.00%	0.000%
14	3.711	811	815	821	rVB3	847	734	0.00%	0.000%
15	4.199	952	967	999	rBV2	122125	461528	0.23%	0.060%
16	4.563	1077	1080	1086	rVB5	875	777	0.00%	0.000%
17	4.643	1088	1105	1133	rVV	323023	791268	0.39%	0.103%
18	4.945	1195	1199	1203	rBV5	1228	1427	0.00%	0.000%
19	5.064	1233	1236	1240	rBV2	808	709	0.00%	0.000%
20	5.334	1295	1320	1355	rBV3	638231	1885351	0.93%	0.245%
21	5.633	1408	1413	1418	rVB5	1160	1288	0.00%	0.000%
22	5.662	1418	1422	1426	rBV3	1212	1377	0.00%	0.000%
23	5.881	1475	1490	1529	rBV	704620	1449271	0.72%	0.188%
24	6.177	1574	1582	1583	rBV6	3485	3774	0.00%	0.000%
25	6.251	1599	1605	1607	rBV3	1653	1366	0.00%	0.000%
26	6.325	1615	1628	1653	rBV	405899	833272	0.41%	0.108%
27	6.756	1757	1762	1765	rBV3	665	734	0.00%	0.000%
28	6.852	1789	1792	1796	rVV3	998	778	0.00%	0.000%
29	6.894	1799	1805	1810	rBV6	1051	1174	0.00%	0.000%
30	7.225	1896	1908	1936	rBV	244314	459015	0.23%	0.060%
31	7.563	1999	2013	2026	rBV	810674	1463784	0.72%	0.190%
32	7.633	2027	2035	2061	rVB	167487	324114	0.16%	0.042%
33	7.849	2092	2102	2127	rBV	186957	340801	0.17%	0.044%
34	8.128	2183	2189	2195	rVB6	1110	1396	0.00%	0.000%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041719\
Data File : VU031262.D
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Operator : JC/SP
Sample : K2455-05 5X
Misc : 5.02g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHQ7

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\SOMULM041719WMA.M
Title : VOC Analysis

35	8.170	2195	2202	2206	rBV7	2819	3489	0.00%	0.000%
36	8.318	2236	2248	2291	rBV	678289	1345367	0.66%	0.175%
37	8.746	2377	2381	2383	rVV2	1318	1160	0.00%	0.000%
38	8.939	2438	2441	2443	rBV3	1303	743	0.00%	0.000%
39	9.022	2464	2467	2472	rBV5	1319	1333	0.00%	0.000%
40	9.087	2475	2487	2523	rVV	1122551	1925393	0.95%	0.250%
41	9.247	2525	2537	2561	rVV	672821	1125682	0.56%	0.146%
42	9.370	2561	2575	2613	rVB	6489516	10805480	5.34%	1.404%
43	9.543	2622	2629	2641	rVB5	10701	20502	0.01%	0.003%
44	9.630	2647	2656	2668	rBV3	27195	50485	0.02%	0.007%
45	9.781	2677	2703	2737	rBV3	6722563	13443199	6.64%	1.747%
46	10.164	2814	2822	2832	rBV	52413	90184	0.04%	0.012%
47	10.302	2858	2865	2869	rBV7	13783	21576	0.01%	0.003%
48	10.431	2894	2905	2918	rBV	713719	1135002	0.56%	0.147%
49	10.508	2919	2929	2941	rVB	357502	562926	0.28%	0.073%
50	10.585	2943	2953	2969	rVB	502574	777283	0.38%	0.101%
51	10.678	2970	2982	2998	rBV	3199384	6842017	3.38%	0.889%
52	10.768	2999	3010	3020	rBV	4345083	6787058	3.35%	0.882%
53	10.971	3062	3073	3076	rBV	1167617	1785202	0.88%	0.232%
54	11.144	3106	3127	3138	rBV	14653901	23077398	11.41%	2.999%
55	11.212	3138	3148	3157	rVV	16075297	24572669	12.15%	3.193%
56	11.263	3157	3164	3177	rVB	5278770	7770592	3.84%	1.010%
57	11.398	3199	3206	3208	rBV3	108710	127714	0.06%	0.017%
58	11.479	3222	3231	3241	rBV	1360735	2092518	1.03%	0.272%
59	11.569	3249	3259	3268	rVV	4501436	6714470	3.32%	0.872%
60	11.624	3268	3276	3291	rVB	1707299	2591658	1.28%	0.337%
61	11.762	3308	3319	3328	rBV2	2422138	4202662	2.08%	0.546%
62	11.868	3340	3352	3365	rVB4	2178043	4340179	2.15%	0.564%
63	11.980	3375	3387	3396	rBV	22004978	34099704	16.85%	4.431%
64	12.144	3429	3438	3441	rBV2	831008	1168038	0.58%	0.152%
65	12.218	3454	3461	3465	rBV	1109225	1572784	0.78%	0.204%
66	12.302	3478	3487	3497	rVB2	1415610	2569357	1.27%	0.334%
67	12.424	3516	3525	3535	rVB	5139251	8001125	3.95%	1.040%
68	12.482	3535	3543	3556	rVV2	1266500	1896248	0.94%	0.246%
69	12.550	3558	3564	3572	rVB	318848	435118	0.22%	0.057%
70	12.646	3586	3594	3602	rVB	1582854	2211728	1.09%	0.287%
71	12.704	3602	3612	3623	rBV3	3549339	6643642	3.28%	0.863%

LSC Area Percent Report

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Acq On : 17 Apr 2019 16:13
Operator : JC/SP
Sample : K2455-05 5X
Misc : 5.02g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHQ7

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\SOMULM041719WMA.M
Title : VOC Analysis

72	12.820	3640	3648	3672	rVB	3697443	6965604	3.44%	0.905%
73	12.961	3684	3692	3706	rVB	1246774	1843818	0.91%	0.240%
74	13.032	3708	3714	3722	rVB3	208923	287490	0.14%	0.037%
75	13.119	3724	3741	3751	rVV3	4826862	8620083	4.26%	1.120%
76	13.183	3751	3761	3772	rVB	9405048	14337716	7.09%	1.863%
77	13.289	3782	3794	3811	rVB	15696885	25510332	12.61%	3.315%
78	13.379	3813	3822	3838	rVB2	1430193	3148434	1.56%	0.409%
79	13.511	3858	3863	3870	rVB2	580646	692896	0.34%	0.090%
80	13.758	3923	3940	3961	rVV2	82726000	166063592	82.08%	21.578%
81	13.861	3965	3972	3986	rVB	1559818	2665891	1.32%	0.346%
82	14.141	4051	4059	4066	rBV2	1577629	2456418	1.21%	0.319%
83	14.337	4110	4120	4129	rBV2	2192739	4064311	2.01%	0.528%
84	14.463	4152	4159	4175	rVB3	1748045	3657268	1.81%	0.475%
85	14.585	4191	4197	4211	rVB2	658224	1131848	0.56%	0.147%
86	14.733	4236	4243	4258	rVB2	881644	1630592	0.81%	0.212%
87	14.820	4262	4270	4276	rVV	1270435	1968214	0.97%	0.256%
88	14.893	4276	4293	4315	rVB3	94372721	202323196	100.00%	26.289%
89	15.070	4334	4348	4380	rVB2	63580637	109543158	54.14%	14.234%
90	15.604	4504	4514	4523	rBV	1465040	2213774	1.09%	0.288%
91	15.794	4565	4573	4581	rBV	1546129	2300724	1.14%	0.299%
92	15.910	4597	4609	4633	rBV	4873741	8457095	4.18%	1.099%
93	16.054	4644	4654	4661	rBV	3252647	5099652	2.52%	0.663%
94	16.186	4686	4695	4707	rVV	493358	806341	0.40%	0.105%
95	16.279	4709	4724	4752	rVB	570416	1428557	0.71%	0.186%
96	16.427	4762	4770	4782	rBV	221649	339138	0.17%	0.044%
97	16.520	4789	4799	4818	rVB2	736554	1380681	0.68%	0.179%
98	16.630	4828	4833	4845	rVB2	97122	146570	0.07%	0.019%
99	17.163	4992	4999	5009	rVV2	137975	211411	0.10%	0.027%
100	17.225	5012	5018	5029	rVB2	102484	154882	0.08%	0.020%

Sum of corrected areas: 769600435

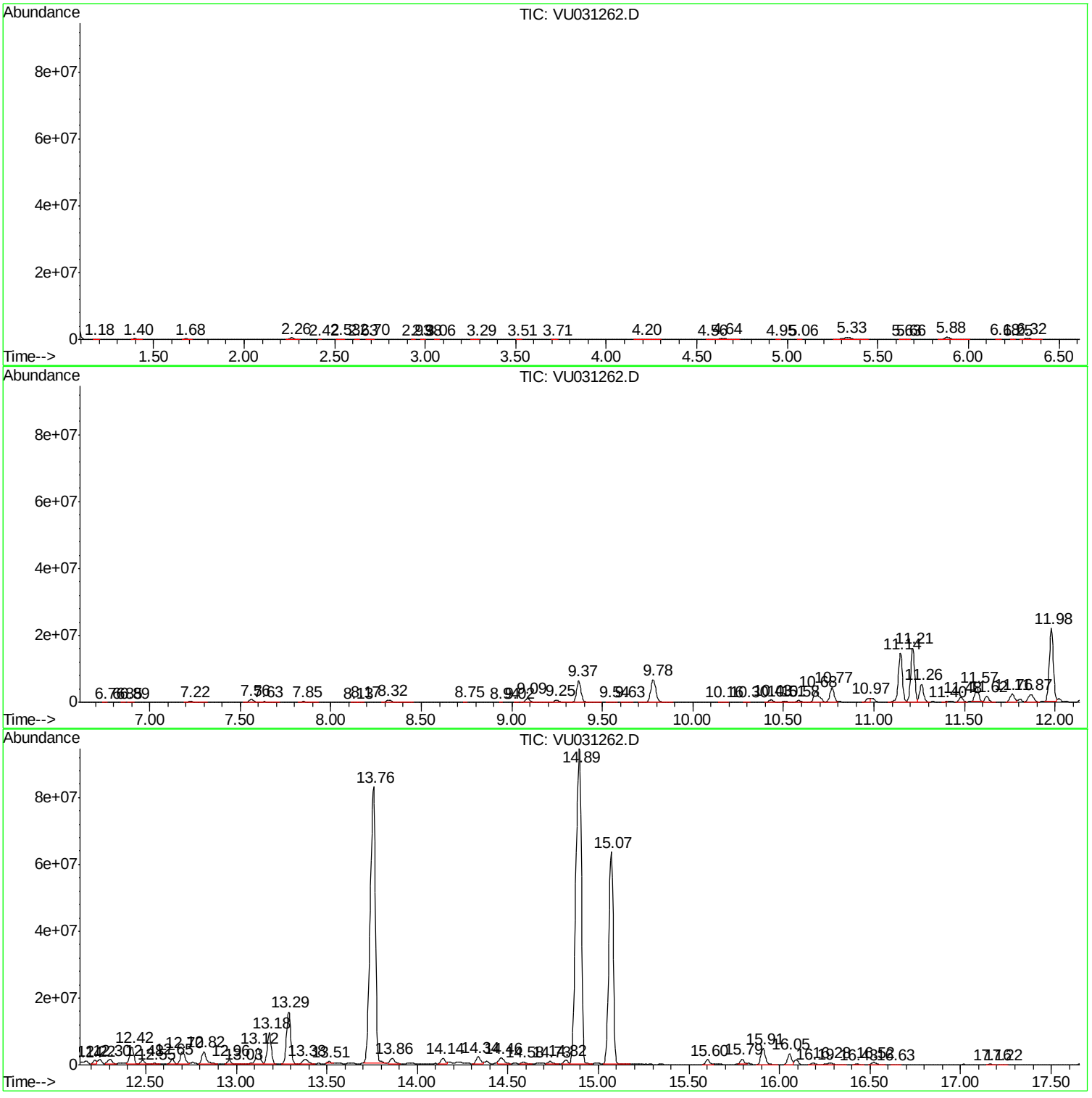
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041719\
Data File : VU031262.D
Acq On : 17 Apr 2019 16:13
Operator : JC/SP
Sample : K2455-05 5X
Misc : 5.02g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHQ7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

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



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Data File : VU031262.D
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Operator : JC/SP
Sample : K2455-05 5X
Misc : 5.02g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHQ7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

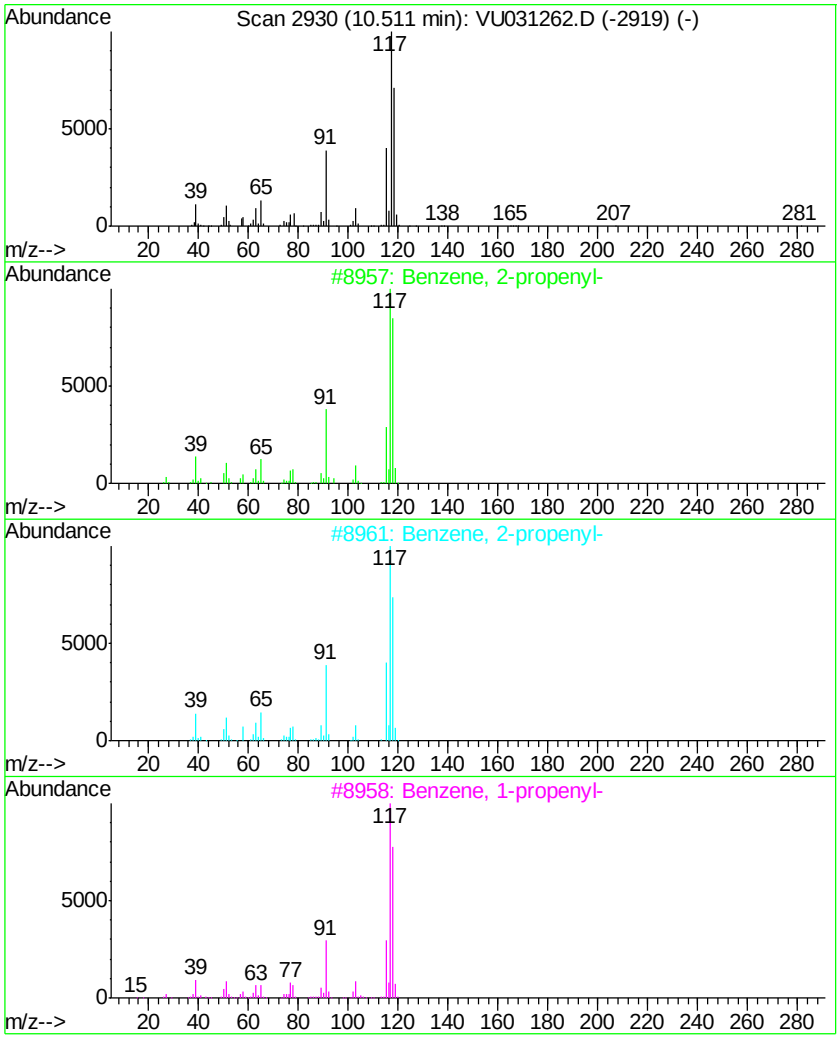
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

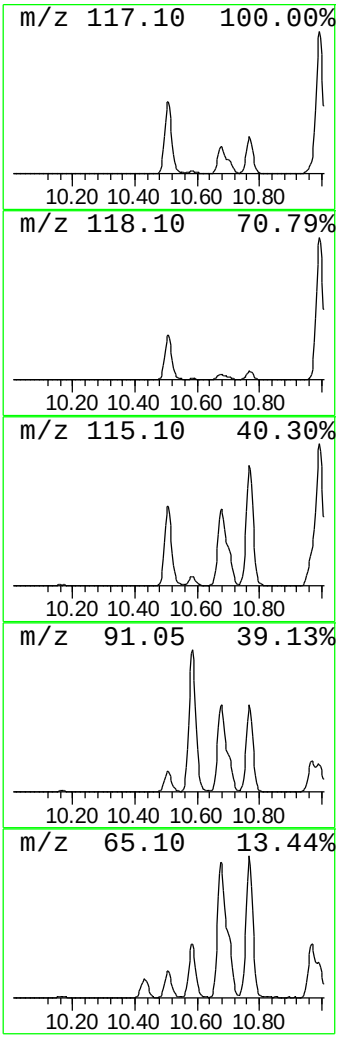
****

Peak Number 2 Benzene, 2-propenyl- Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.51	13.45 ug/L	562926	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-propenyl-	118	C9H10	000300-57-2	96
2	Benzene, 2-propenyl-	118	C9H10	000300-57-2	96
3	Benzene, 1-propenyl-	118	C9H10	000637-50-3	92
4	Benzene, 2-propenyl-	118	C9H10	000300-57-2	90
5	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	90





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Data File : VU031262.D
Acq On : 17 Apr 2019 16:13
Operator : JC/SP
Sample : K2455-05 5X
Misc : 5.02g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHQ7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

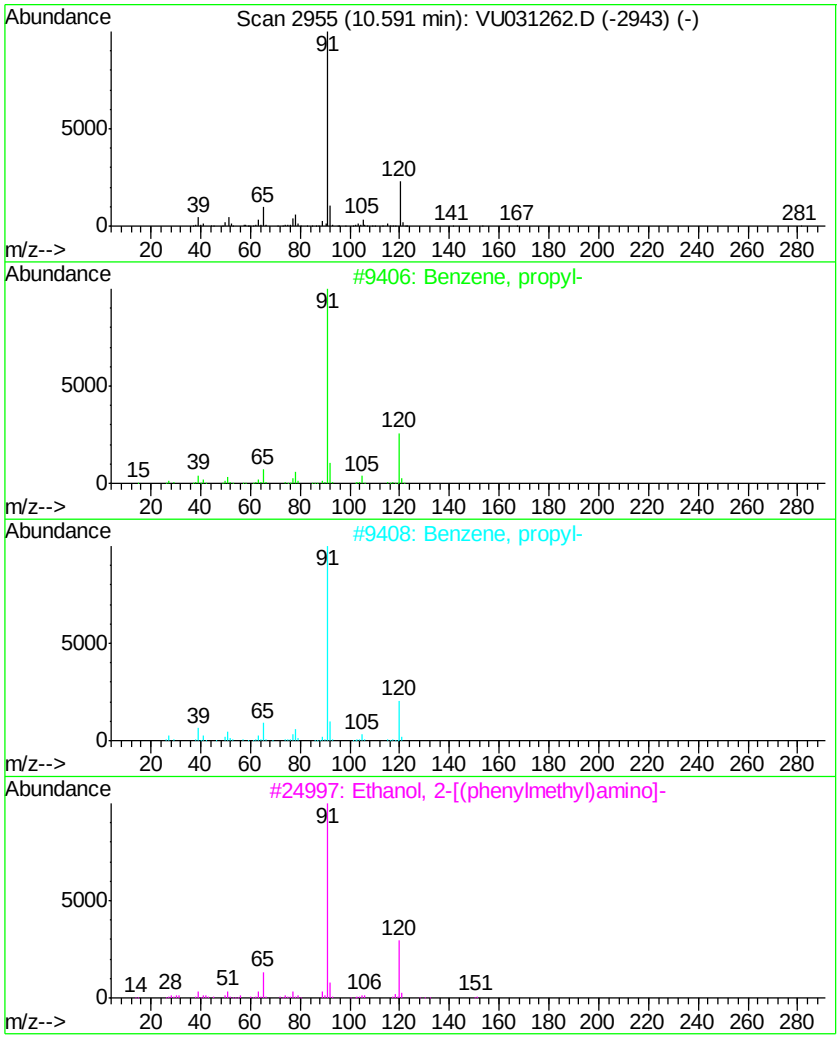
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

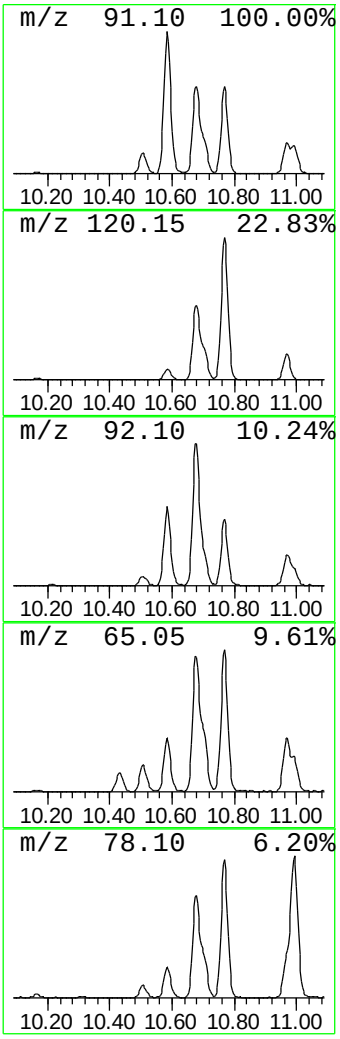
****

Peak Number 3 Benzene, propyl- Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.59	18.57 ug/L	777283	1,4-Dichlorobenzene-d4	11.48

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	Ethanol, 2-[(phenylmethyl)amino]-	151	C9H13NO	000104-63-2	78
4	Phenethylamine, N-benzyl-p-chloro-	245	C15H16ClN	013622-43-0	78
5	N-Benzyl-2-phenethylamine	211	C15H17N	003647-71-0	78





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Data File : VU031262.D
Acq On : 17 Apr 2019 16:13
Operator : JC/SP
Sample : K2455-05 5X
Misc : 5.02g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHQ7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

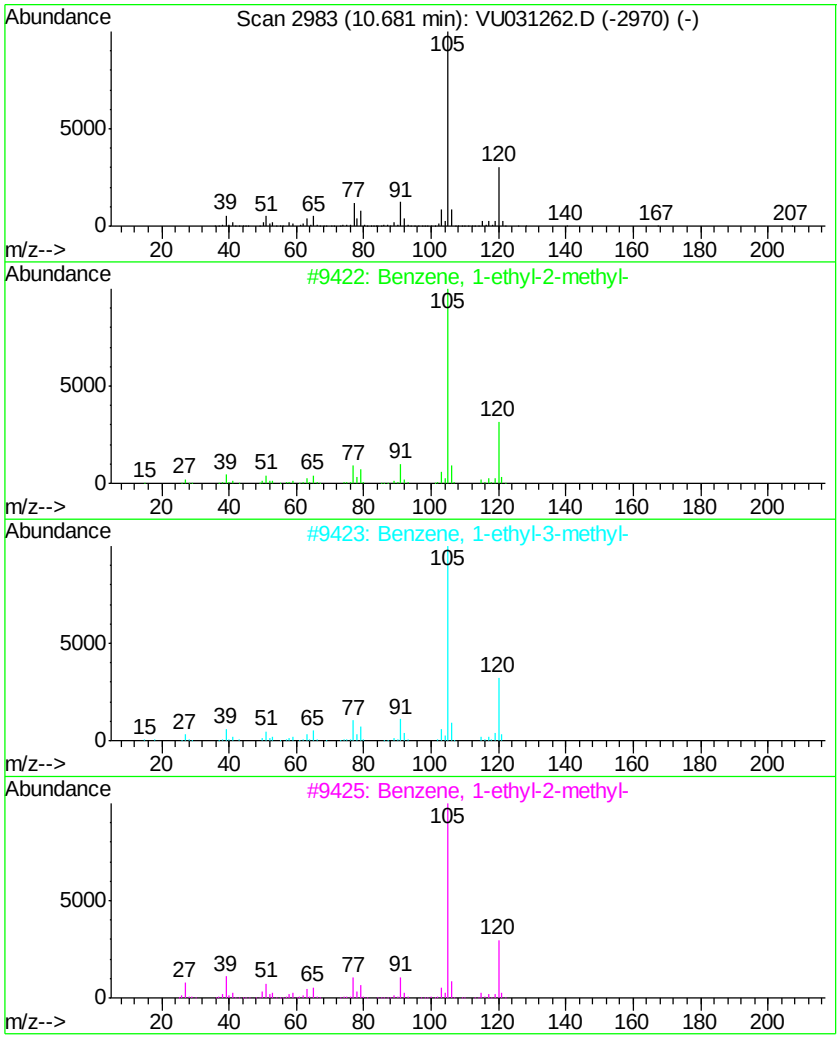
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

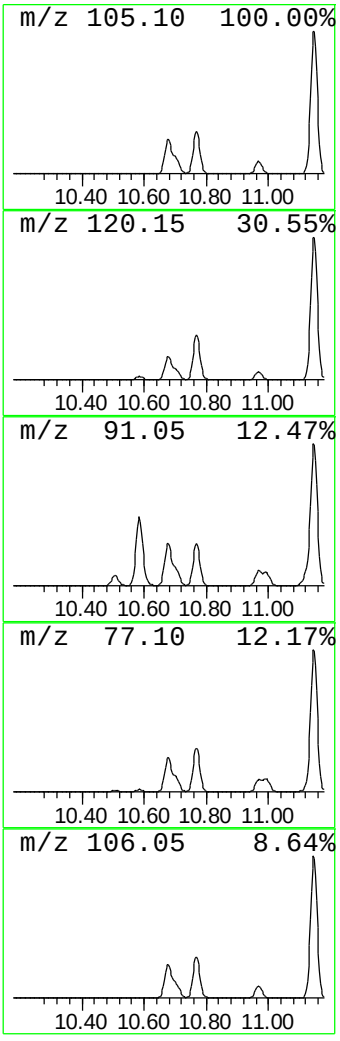
****

Peak Number 4 Benzene, 1-ethyl-2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.68	163.49 ug/L	6842020	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
2	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	95
3	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91





Library Search Compound Report

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Data File : VU031262.D
Acq On : 17 Apr 2019 16:13
Operator : JC/SP
Sample : K2455-05 5X
Misc : 5.02g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHQ7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

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

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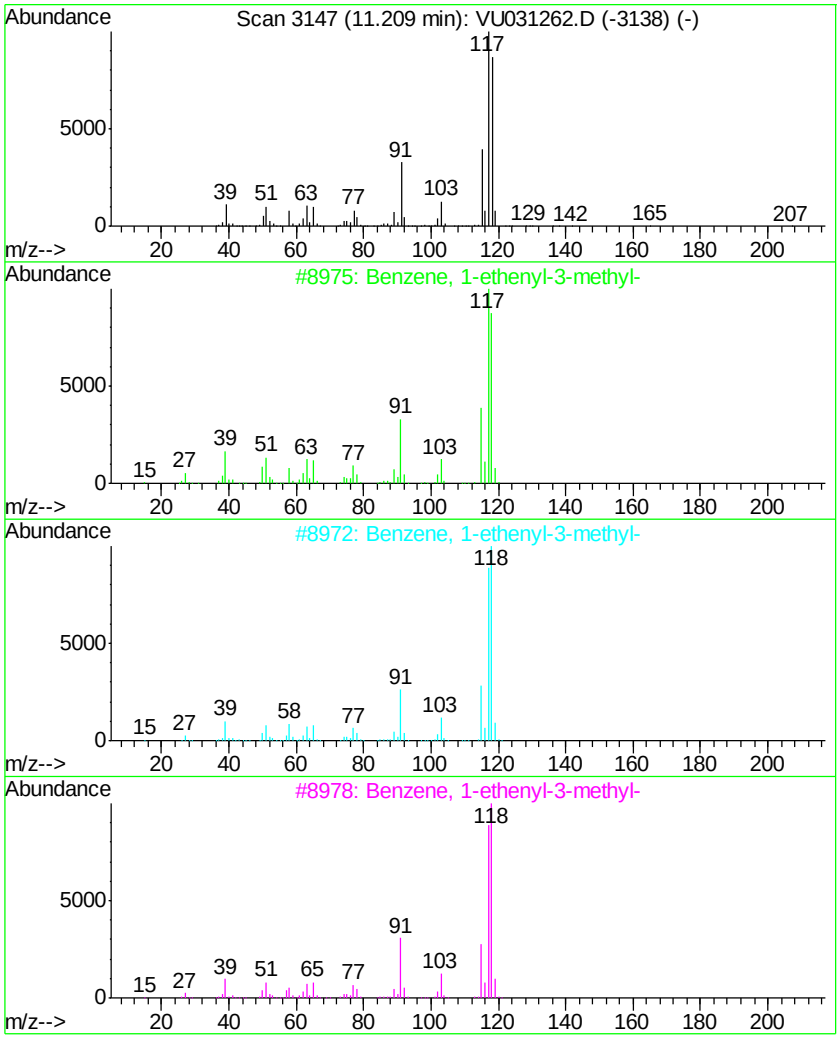
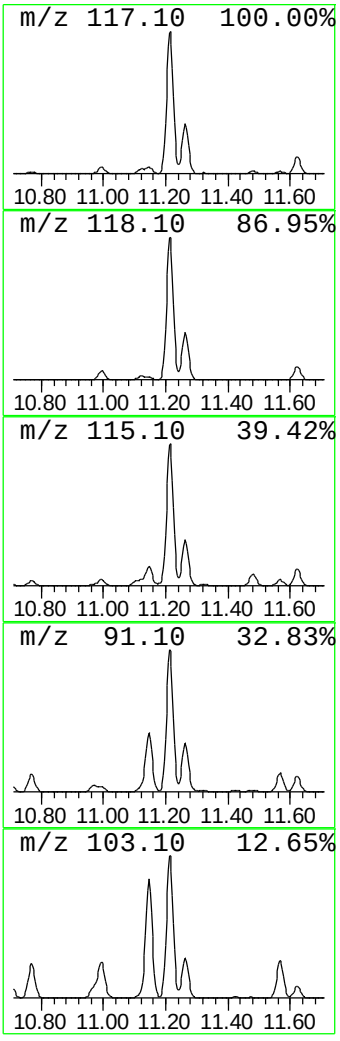
Peak Number 8 Benzene, 1-ethenyl-3-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.21	587.16 ug/L	24572700	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	96
2	Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	96
3	Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	96
4	Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	95
5	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	94





Library Search Compound Report

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Data File : VU031262.D
Acq On : 17 Apr 2019 16:13
Operator : JC/SP
Sample : K2455-05 5X
Misc : 5.02g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHQ7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

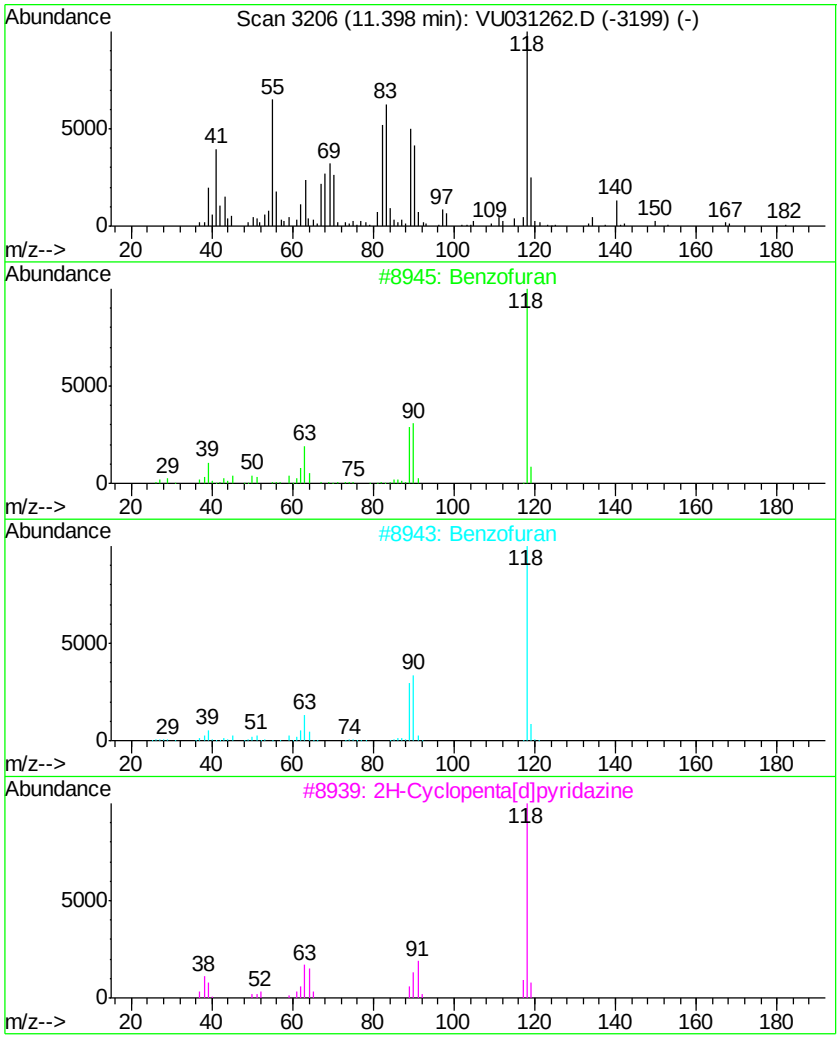
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

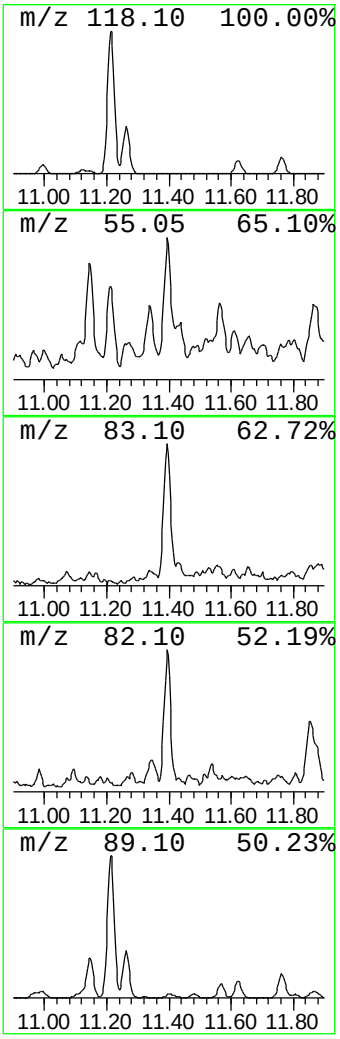
****

Peak Number 10 Benzofuran Concentration Rank 51

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.40	3.05 ug/L	127714	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzofuran	118	C8H6O	000271-89-6	60
2	Benzofuran	118	C8H6O	000271-89-6	53
3	2H-Cyclopenta[d]pyridazine	118	C7H6N2	000270-64-4	27
4	Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	18
5	Cyclohexane, butyl-	140	C10H20	001678-93-9	18





Library Search Compound Report

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Operator : JC/SP
Sample : K2455-05 5X
Misc : 5.02g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHQ7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

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

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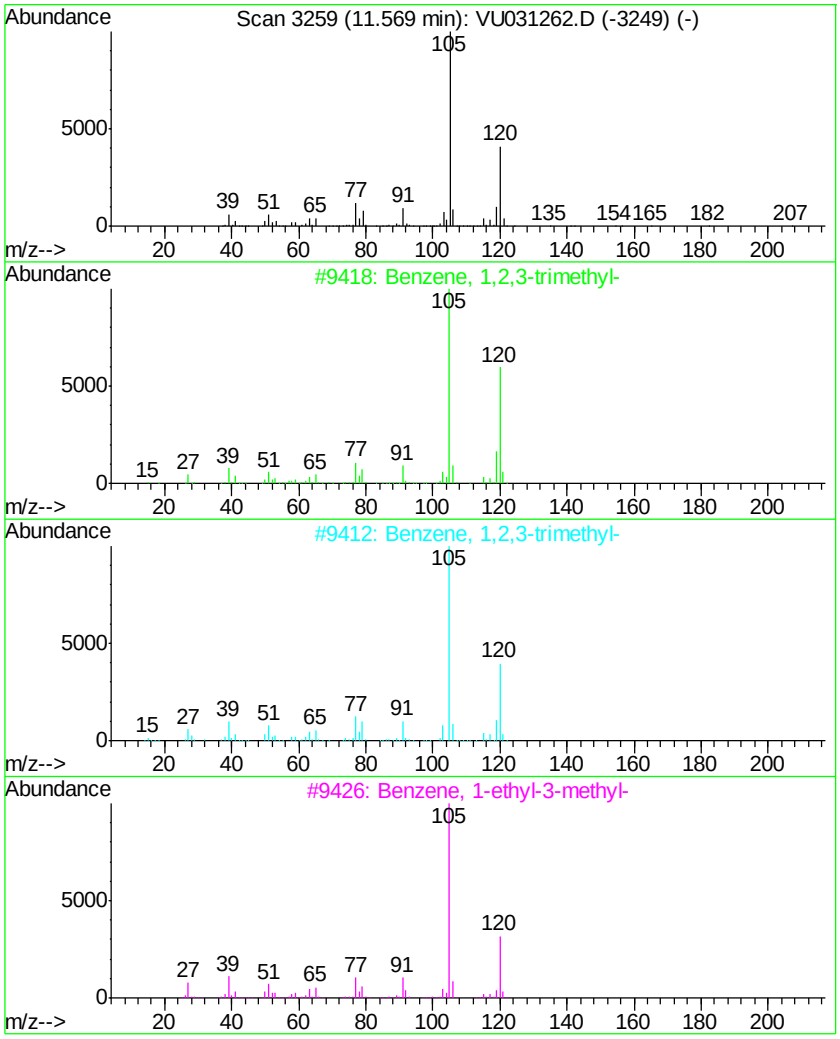
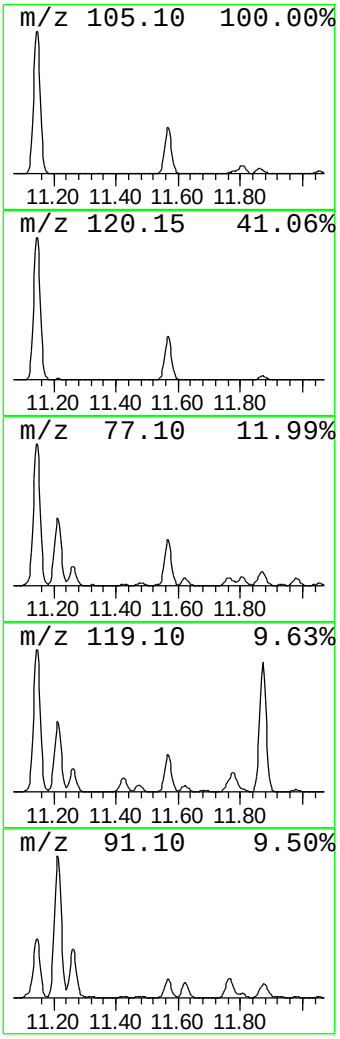
Peak Number 11 Benzene, 1,2,3-trimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.57	160.44 ug/L	6714470	1,4-Dichlorobenzene-d4	11.48

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	94
3	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
5	Mesitylene	120	C9H12	000108-67-8	91





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Acq On : 17 Apr 2019 16:13
Operator : JC/SP
Sample : K2455-05 5X
Misc : 5.02g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHQ7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

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

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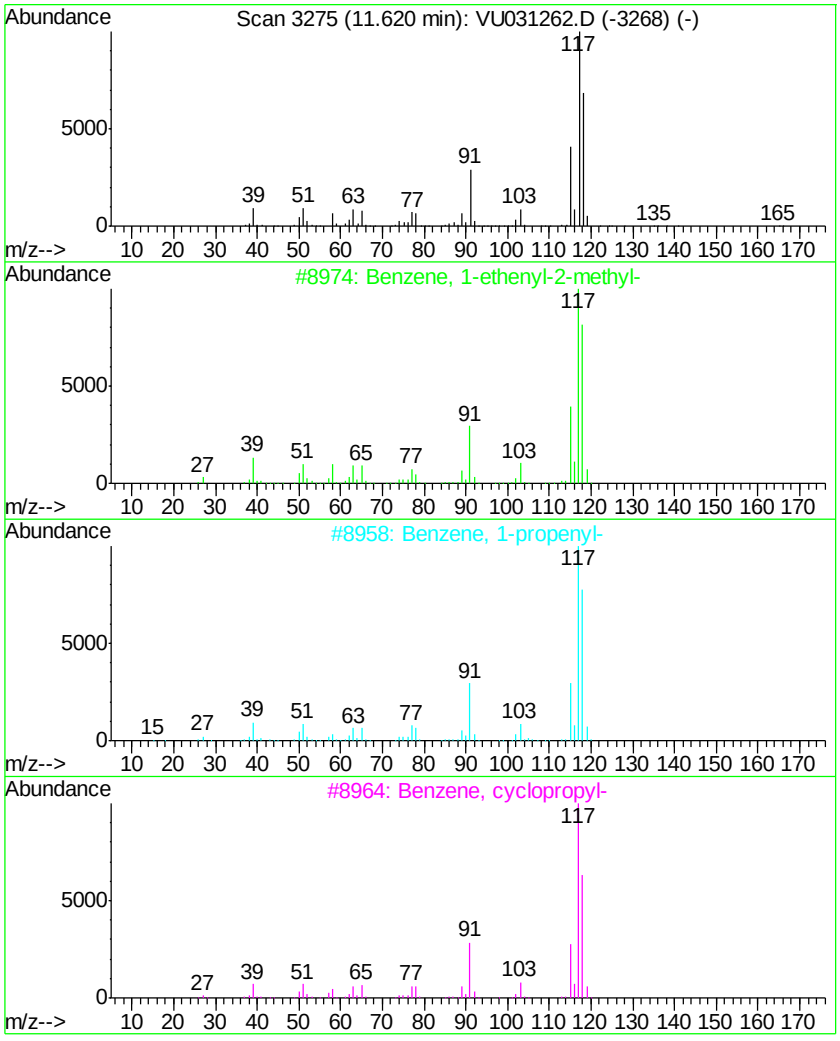
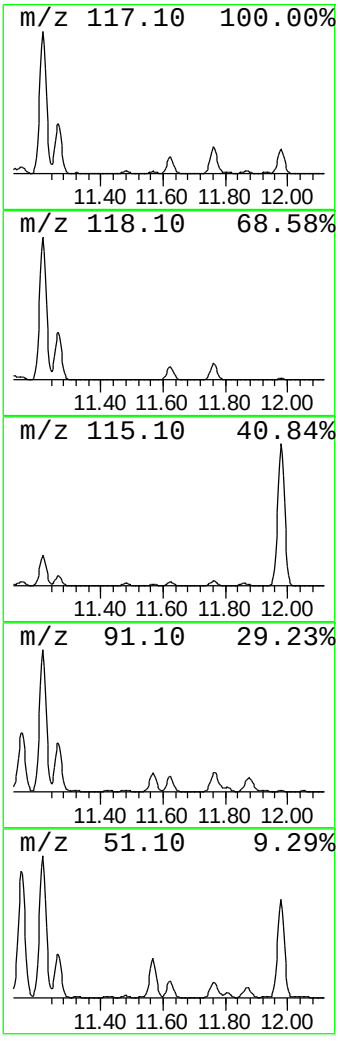
Peak Number 12 Benzene, 1-ethenyl-2-methyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.62	61.93 ug/L	2591660	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	95
2	Benzene, 1-propenyl-	118	C9H10	000637-50-3	95
3	Benzene, cyclopropyl-	118	C9H10	000873-49-4	95
4	Benzene, 1-propenyl-	118	C9H10	000637-50-3	93
5	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	92





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Operator : JC/SP
Sample : K2455-05 5X
Misc : 5.02g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHQ7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

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

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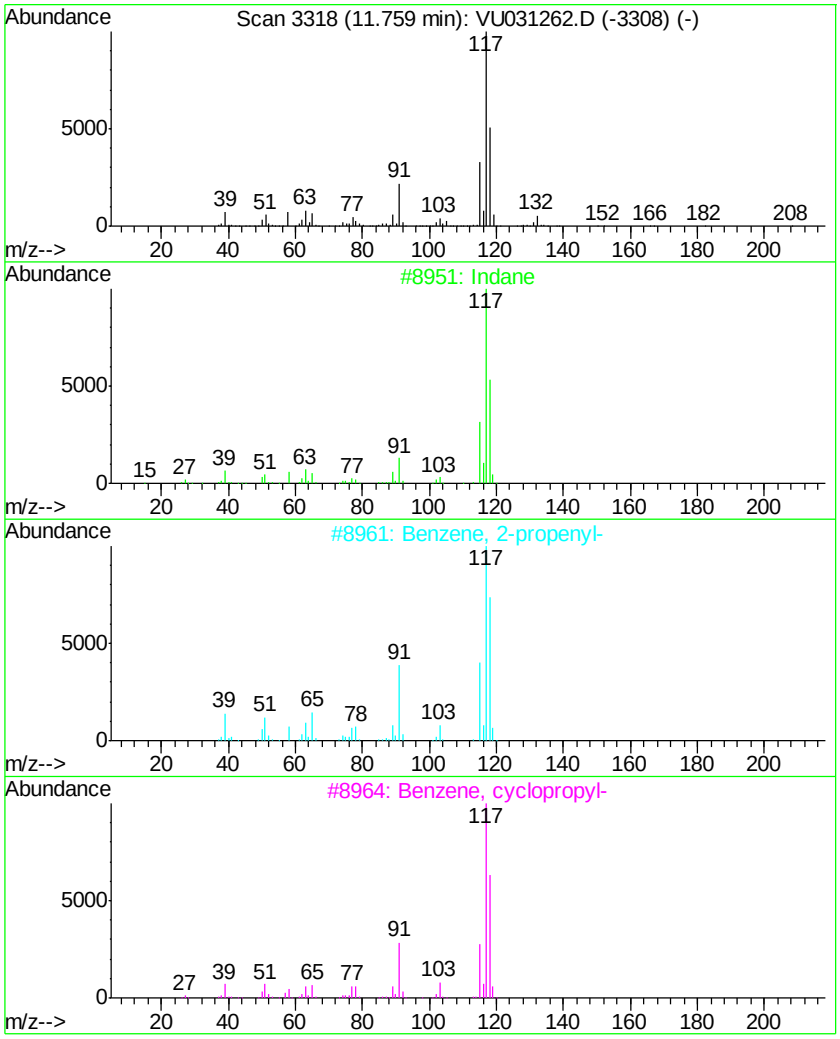
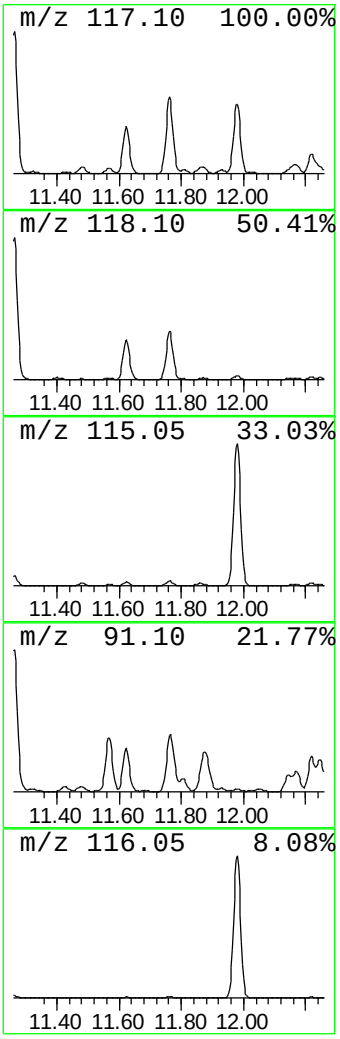
Peak Number 13 Indane Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.76	100.42 ug/L	4202660	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	81
2	Benzene, 2-propenyl-	118	C9H10	000300-57-2	81
3	Benzene, cyclopropyl-	118	C9H10	000873-49-4	74
4	Benzene, 2-propenyl-	118	C9H10	000300-57-2	74
5	Benzene, 1-propenyl-	118	C9H10	000637-50-3	72





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Operator : JC/SP
Sample : K2455-05 5X
Misc : 5.02g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHQ7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

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

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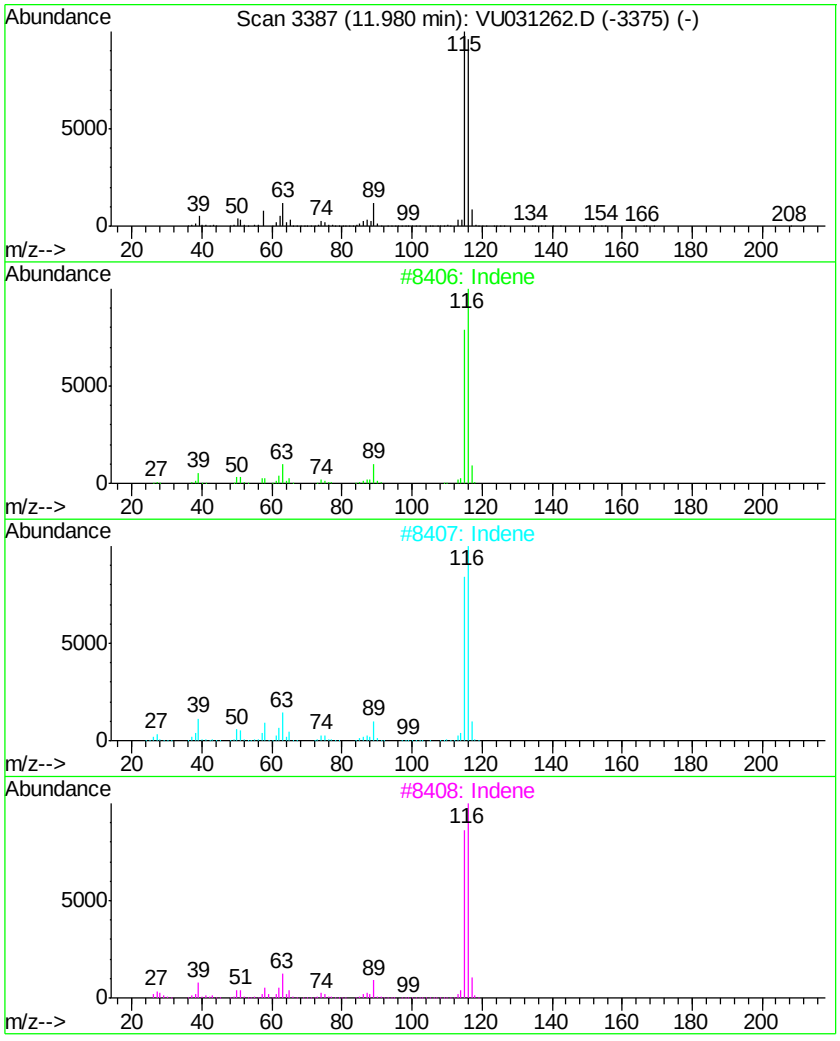
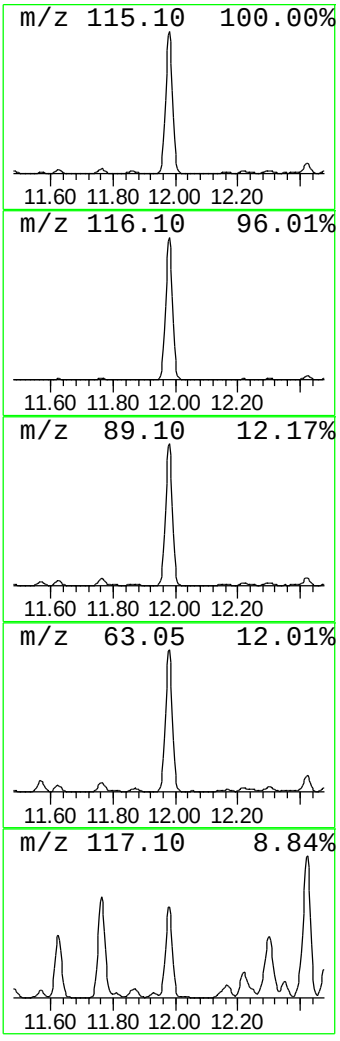
Peak Number 14 Indene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.98	814.80 ug/L	34099700	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	97
2	Indene	116	C9H8	000095-13-6	96
3	Indene	116	C9H8	000095-13-6	95
4	Benzene, 1-propynyl-	116	C9H8	000673-32-5	94
5	Benzene, 1-ethynyl-4-methyl-	116	C9H8	000766-97-2	91





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Sample : K2455-05 5X
Misc : 5.02g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHQ7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

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

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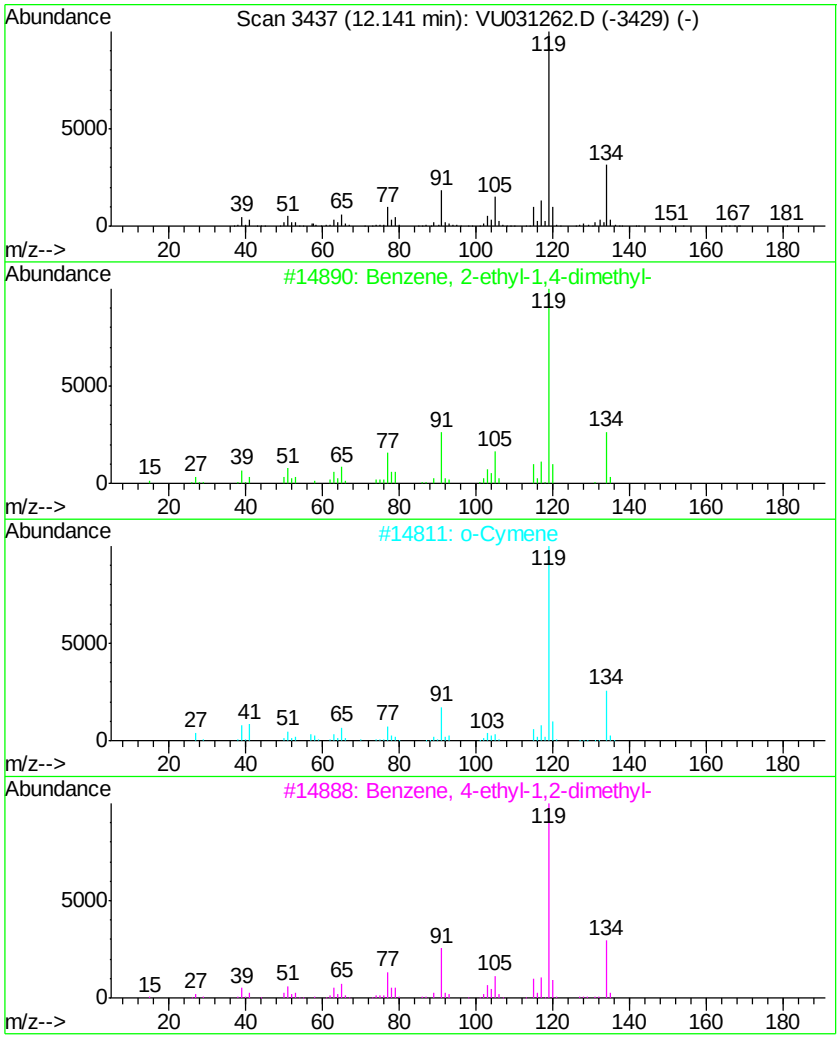
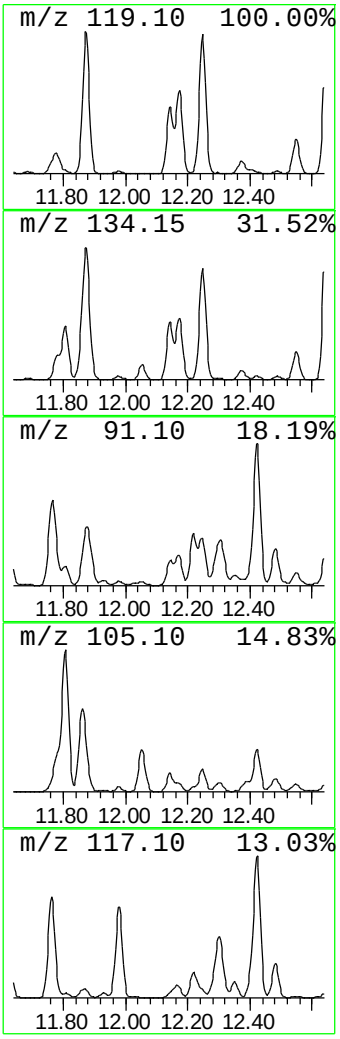
Peak Number 15 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.14	27.91 ug/L	1168040	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
2	o-Cymene	134	C10H14	000527-84-4	95
3	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	94
4	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	93
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	93





Library Search Compound Report

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Data File : VU031262.D
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Misc : 5.02g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHQ7

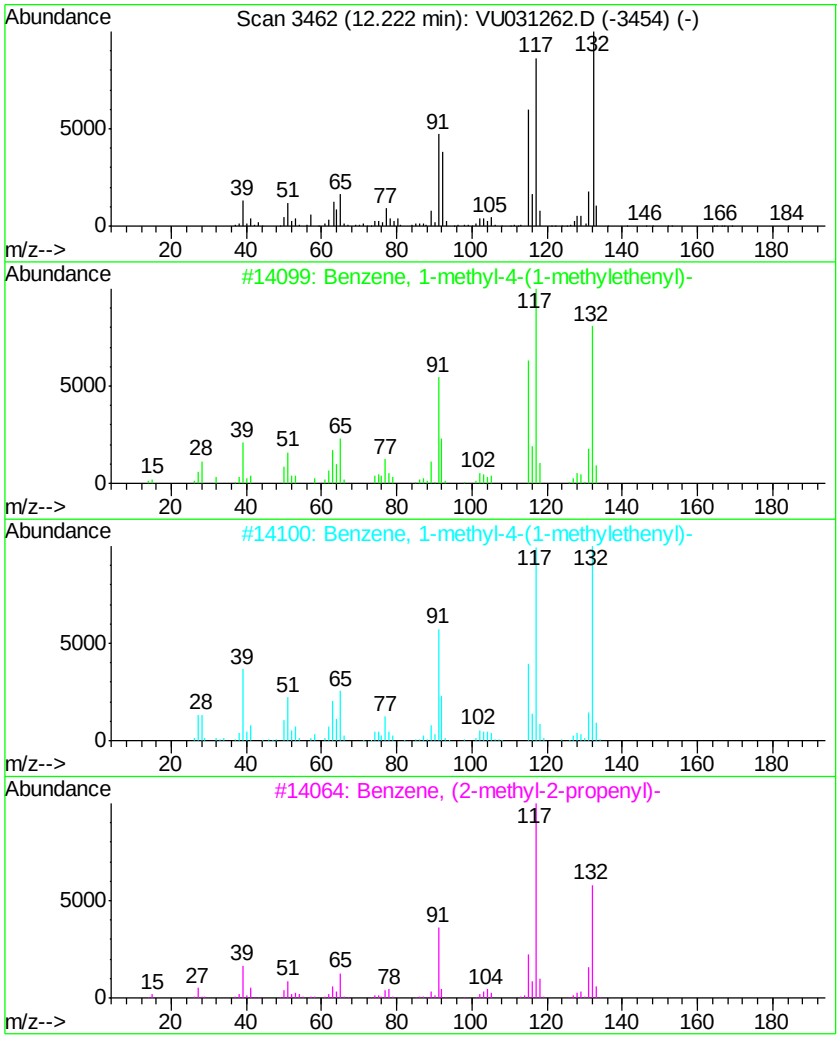
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

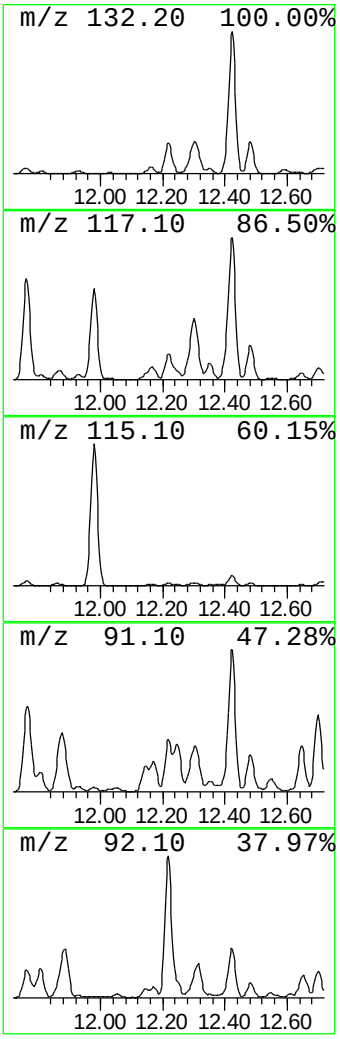
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 Benzene, 1-methyl-4-(1-meth... Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.22	37.58 ug/L	1572780	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-(1-methyleth...	132	C10H12	001195-32-0	95
2	Benzene, 1-methyl-4-(1-methyleth...	132	C10H12	001195-32-0	81
3	Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	76
4	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	76
5	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	74





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041719\
Data File : VU031262.D
Acq On : 17 Apr 2019 16:13
Operator : JC/SP
Sample : K2455-05 5X
Misc : 5.02g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHQ7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

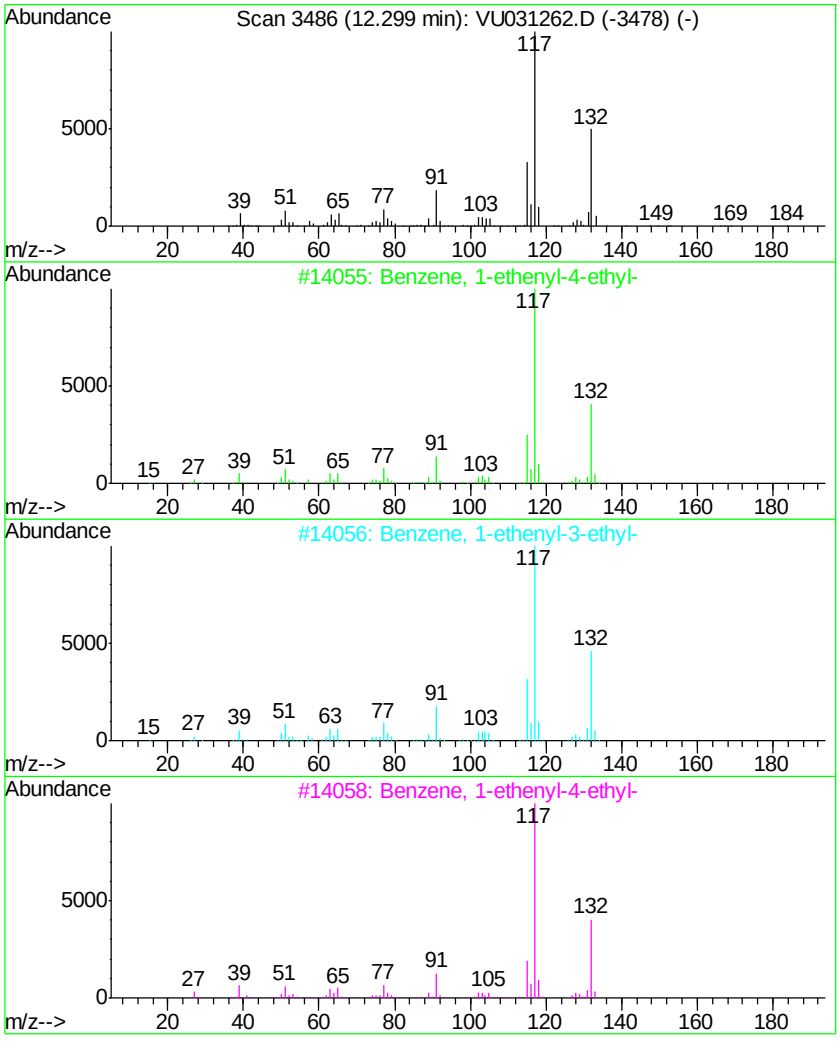
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

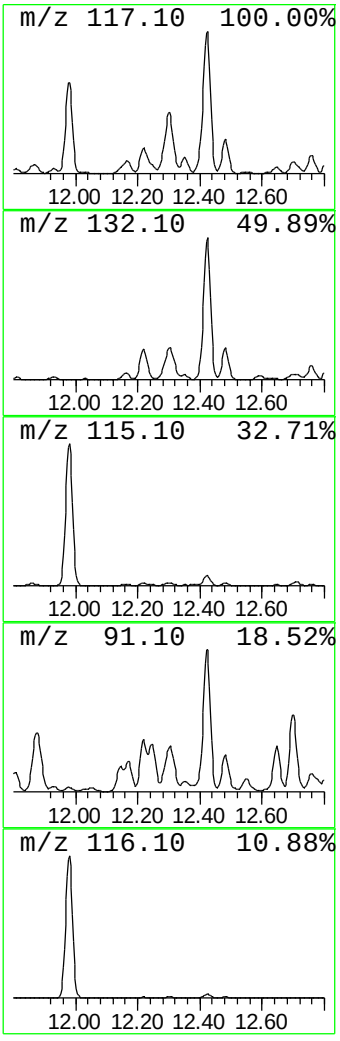
****

Peak Number 17 Benzene, 1-ethenyl-4-ethyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.30	61.39 ug/L	2569360	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	97
2	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	96
3	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	93
4	Benzene, (2-methylcyclopropyl)-	132	C10H12	1000327-39-0	93
5	Benzene, 2-butenyl-	132	C10H12	001560-06-1	91





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Data File : VU031262.D
Acq On : 17 Apr 2019 16:13
Operator : JC/SP
Sample : K2455-05 5X
Misc : 5.02g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHQ7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

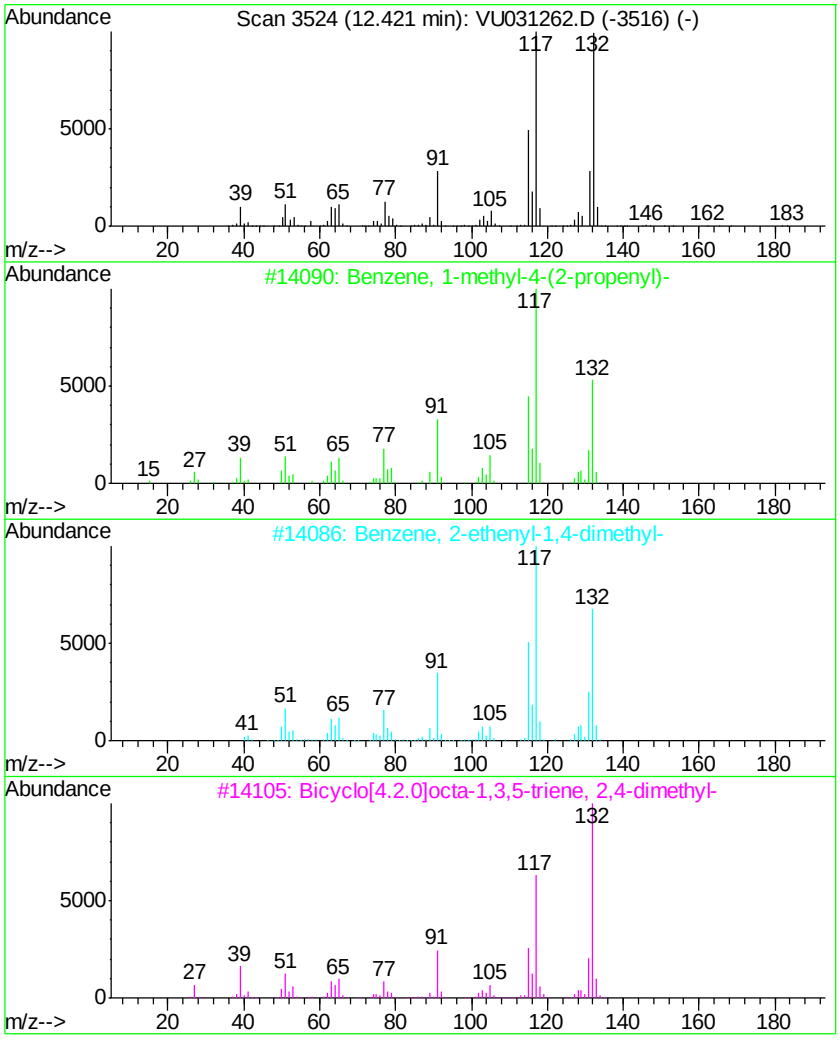
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

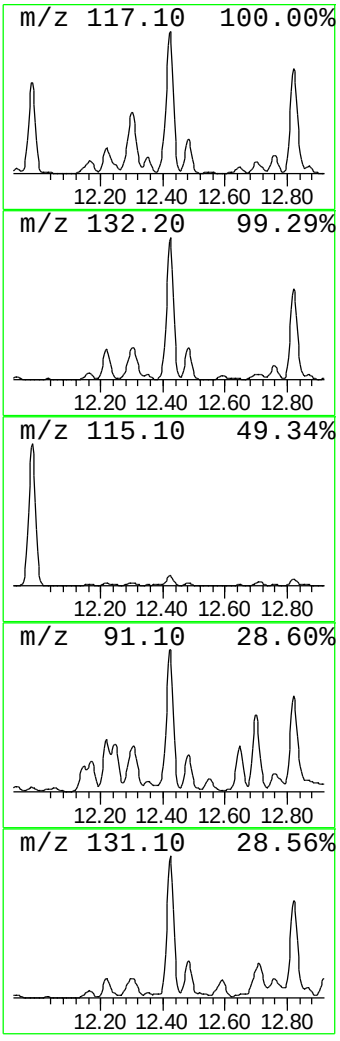
****

Peak Number 18 Benzene, 1-methyl-4-(2-prop... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.42	191.18 ug/L	8001130	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	94
2	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	94
3	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	94
4	Benzene, 1-ethenyl-3,5-dimethyl-	132	C10H12	005379-20-4	94
5	2,4-Dimethylstyrene	132	C10H12	002234-20-0	94





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041719\
Data File : VU031262.D
Acq On : 17 Apr 2019 16:13
Operator : JC/SP
Sample : K2455-05 5X
Misc : 5.02g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHQ7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

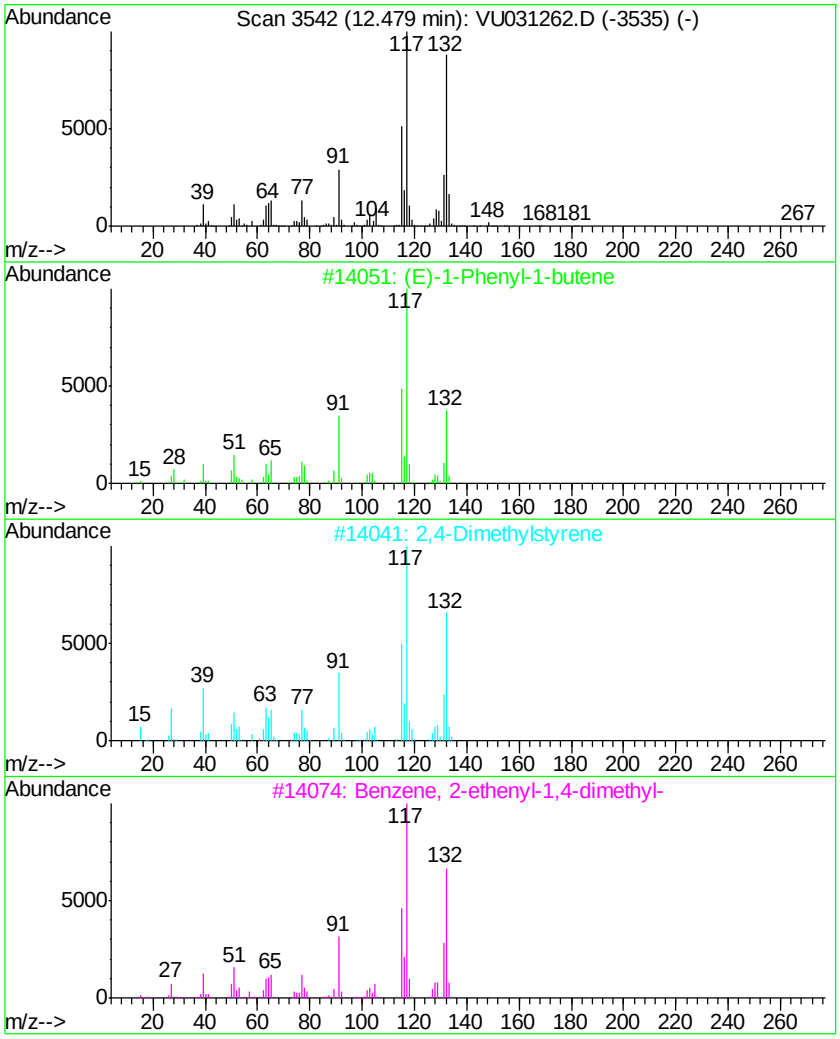
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

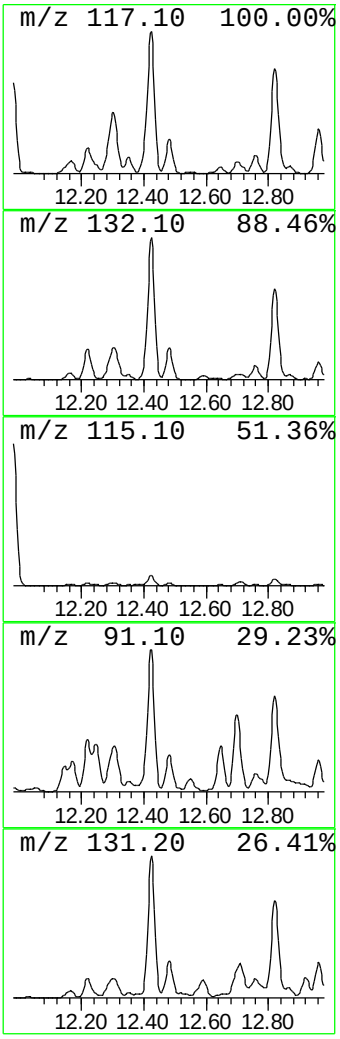
****

Peak Number 19 (E)-1-Phenyl-1-butene Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.48	45.31 ug/L	1896250	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(E)-1-Phenyl-1-butene	132	C10H12	001005-64-7	96
2	2,4-Dimethylstyrene	132	C10H12	002234-20-0	96
3	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	96
4	Benzene, 2-ethenyl-1,3-dimethyl-	132	C10H12	002039-90-9	96
5	Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	95





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Acq On : 17 Apr 2019 16:13
Operator : JC/SP
Sample : K2455-05 5X
Misc : 5.02g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHQ7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

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

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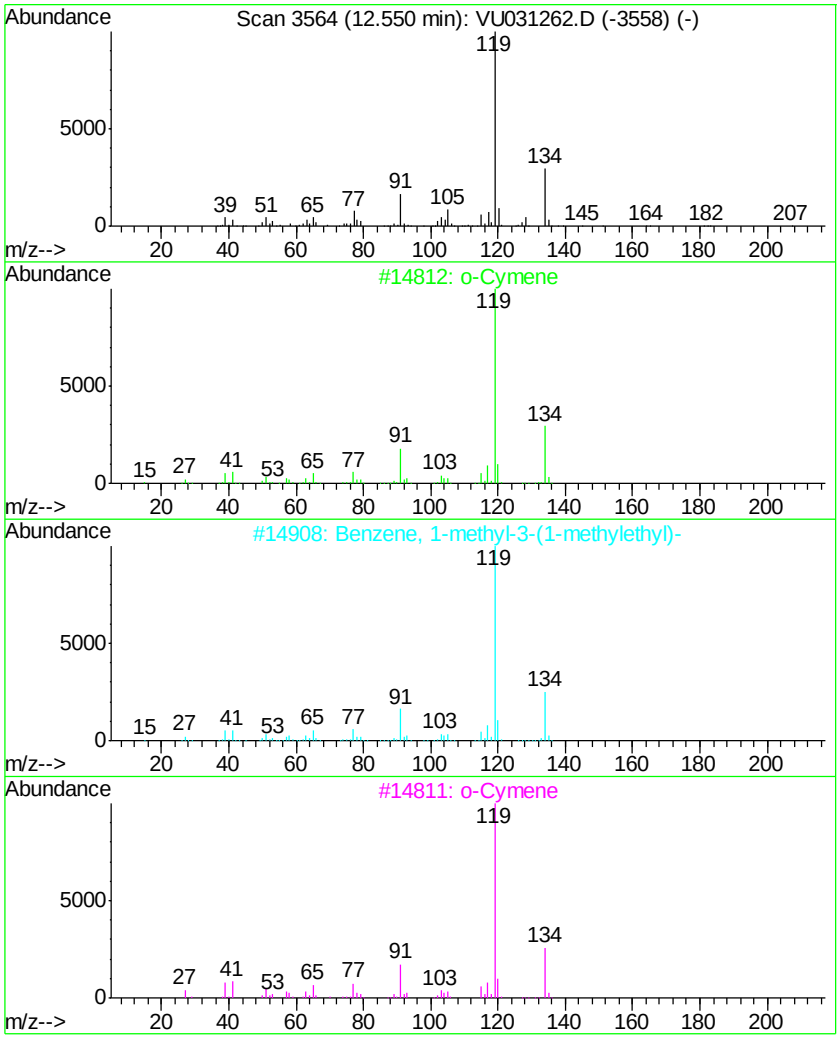
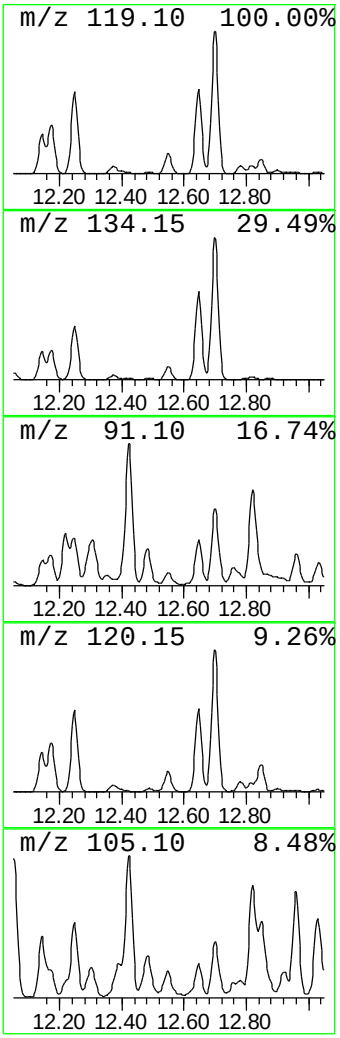
Peak Number 20 o-Cymene Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.55	10.40 ug/L	435118	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	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-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94
5	o-Cymene	134	C10H14	000527-84-4	94





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Data File : VU031262.D
Acq On : 17 Apr 2019 16:13
Operator : JC/SP
Sample : K2455-05 5X
Misc : 5.02g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHQ7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

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

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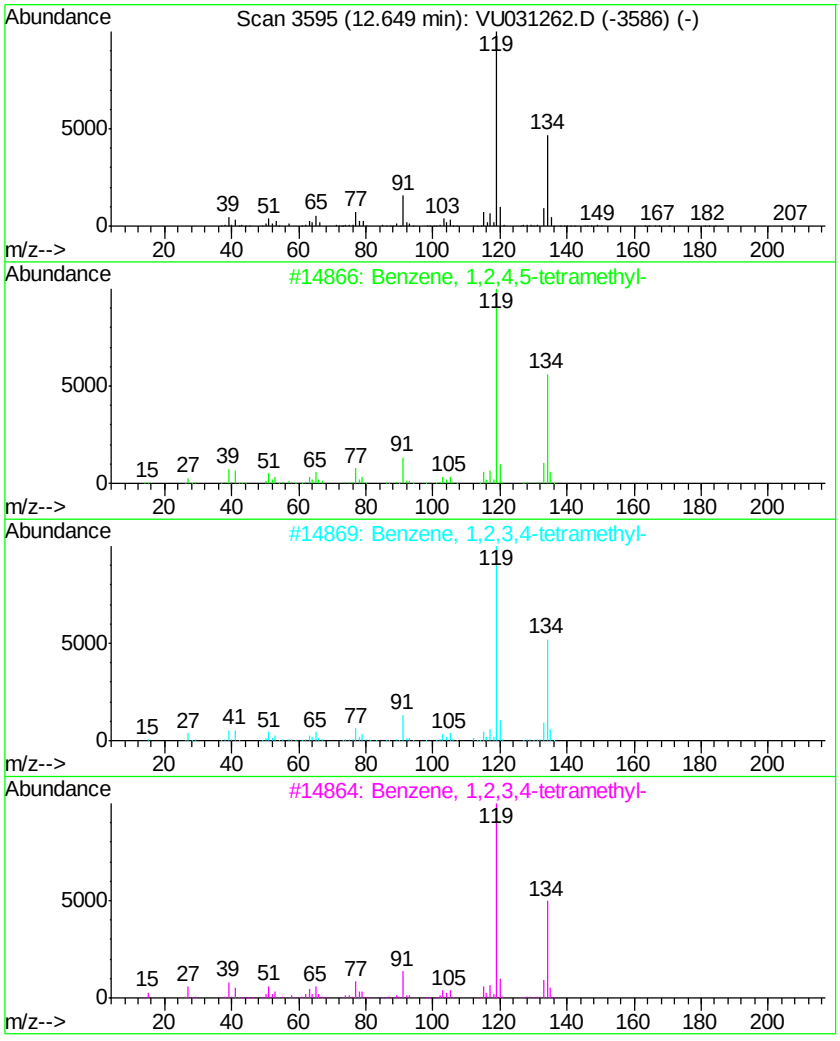
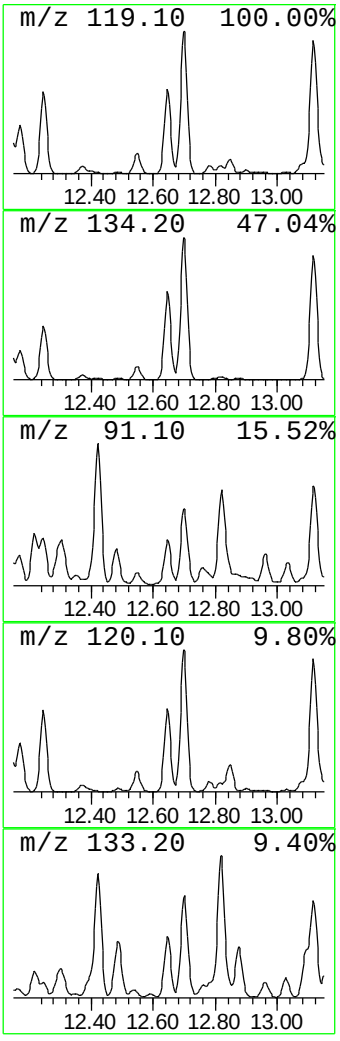
Peak Number 21 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.65	52.85 ug/L	2211730	1,4-Dichlorobenzene-d4	11.48

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	97
5	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	97





Library Search Compound Report

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Data File : VU031262.D
Acq On : 17 Apr 2019 16:13
Operator : JC/SP
Sample : K2455-05 5X
Misc : 5.02g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHQ7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

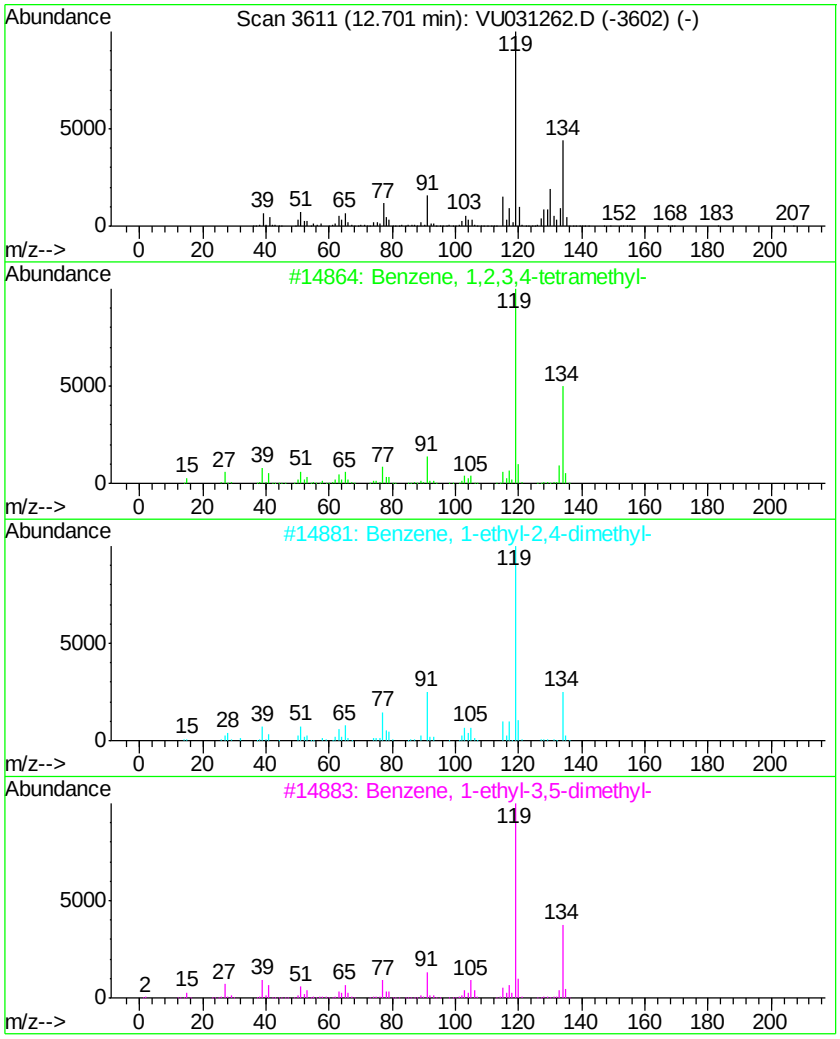
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

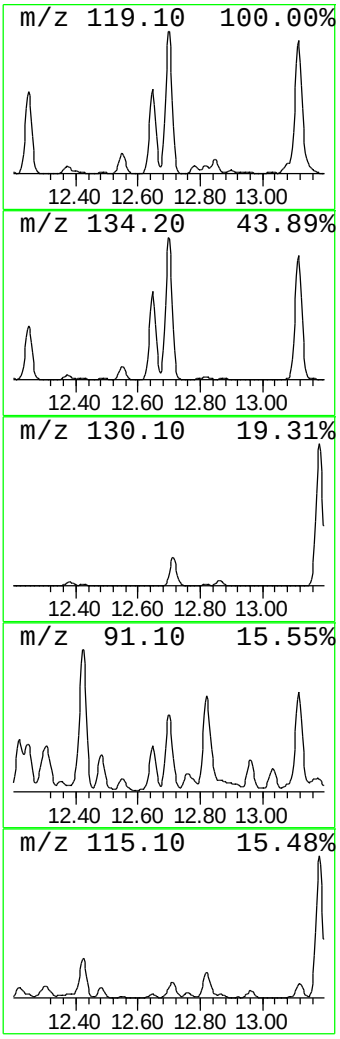
****

Peak Number 22 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.70	158.75 ug/L	6643640	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	93
2	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	92
3	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	76
4	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	76
5	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	76





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041719\
Data File : VU031262.D
Acq On : 17 Apr 2019 16:13
Operator : JC/SP
Sample : K2455-05 5X
Misc : 5.02g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHQ7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

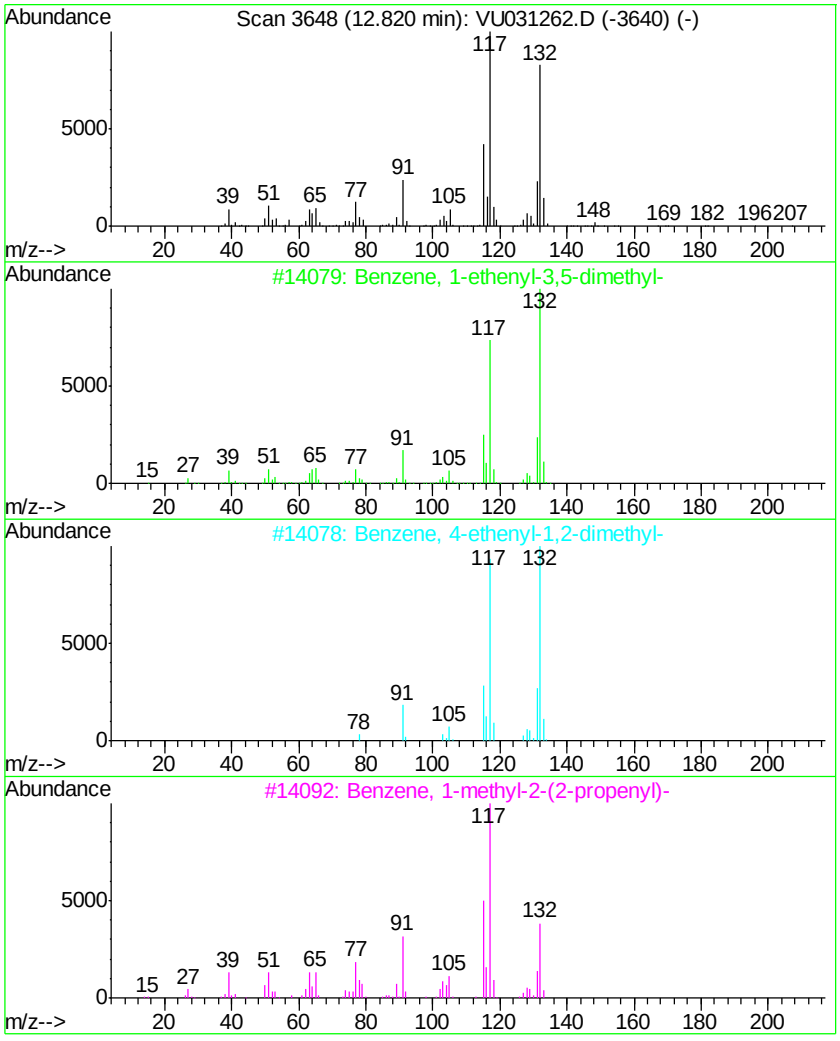
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

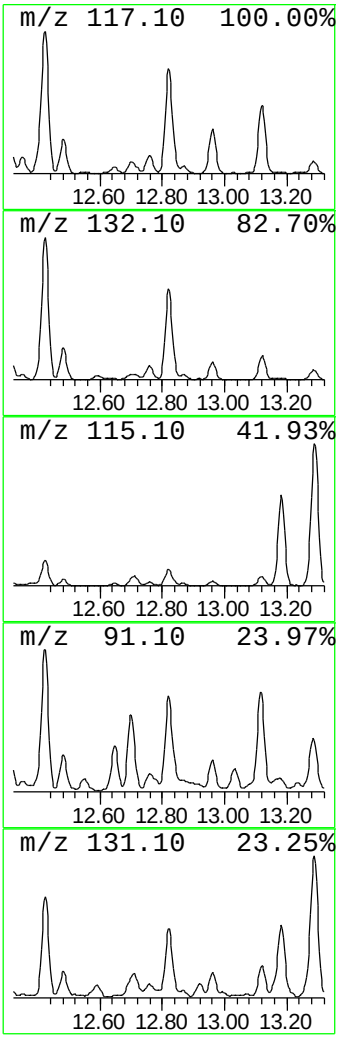
****

Peak Number 23 Benzene, 1-ethenyl-3,5-dime... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.82	166.44 ug/L	6965600	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-3,5-dimethyl-	132	C10H12	005379-20-4	96
2	Benzene, 4-ethenyl-1,2-dimethyl-	132	C10H12	027831-13-6	95
3	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	94
4	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	94
5	Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	94





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041719\
Data File : VU031262.D
Acq On : 17 Apr 2019 16:13
Operator : JC/SP
Sample : K2455-05 5X
Misc : 5.02g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHQ7

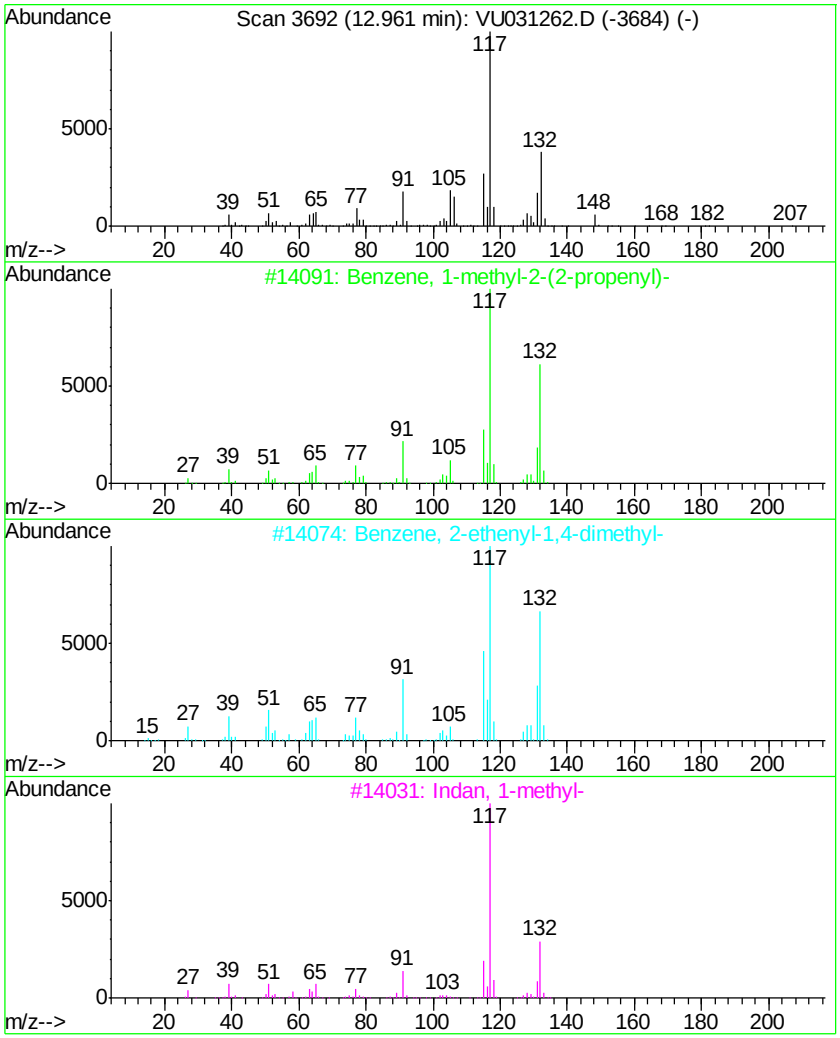
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

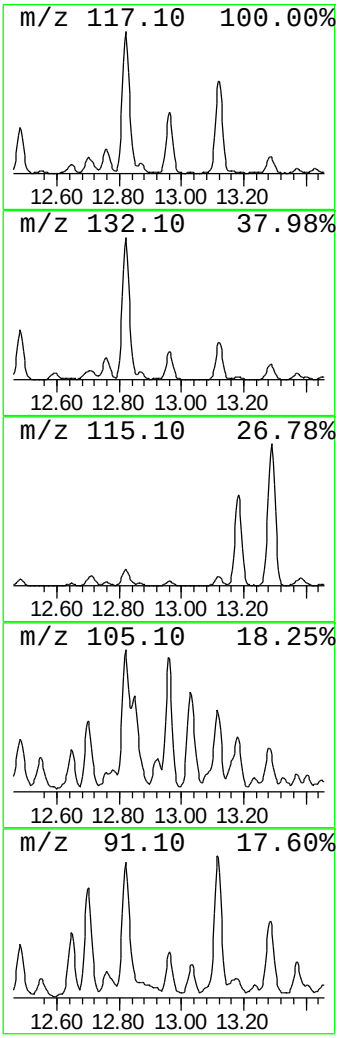
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 24 Benzene, 1-methyl-2-(2-prop... Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.96	44.06 ug/L	1843820	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	93
2	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	91
3	Indan, 1-methyl-	132	C10H12	000767-58-8	90
4	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	87
5	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	87





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Data File : VU031262.D
Acq On : 17 Apr 2019 16:13
Operator : JC/SP
Sample : K2455-05 5X
Misc : 5.02g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHQ7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

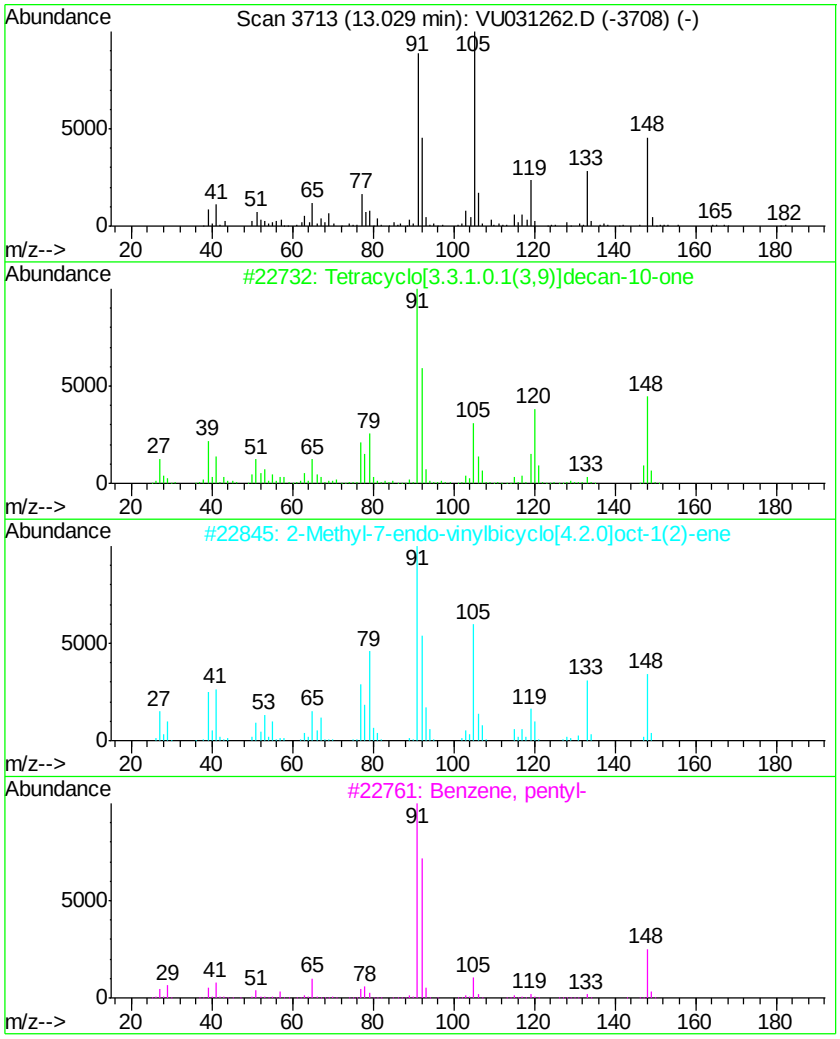
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

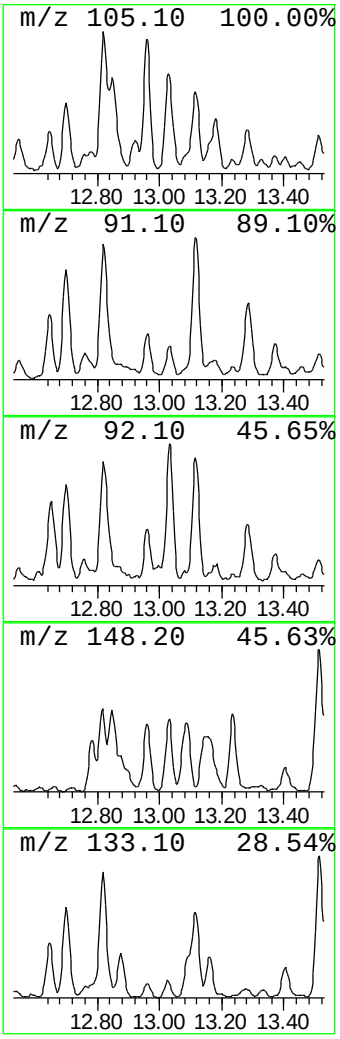
****

Peak Number 25 Tetracyclo[3.3.1.0.1(3,9)]d... Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.03	6.87 ug/L	287490	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetracyclo[3.3.1.0.1(3,9)]decan-...	148	C10H12O	016492-06-1	72
2	2-Methyl-7-endo-vinylbicyclo[4.2...	148	C11H16	1000200-99-1	72
3	Benzene, pentyl-	148	C11H16	000538-68-1	52
4	Benzene, (2-methylbutyl)-	148	C11H16	003968-85-2	46
5	Benzene, (1-methylbutyl)-	148	C11H16	002719-52-0	38





Library Search Compound Report

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Data File : VU031262.D
Acq On : 17 Apr 2019 16:13
Operator : JC/SP
Sample : K2455-05 5X
Misc : 5.02g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHQ7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

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

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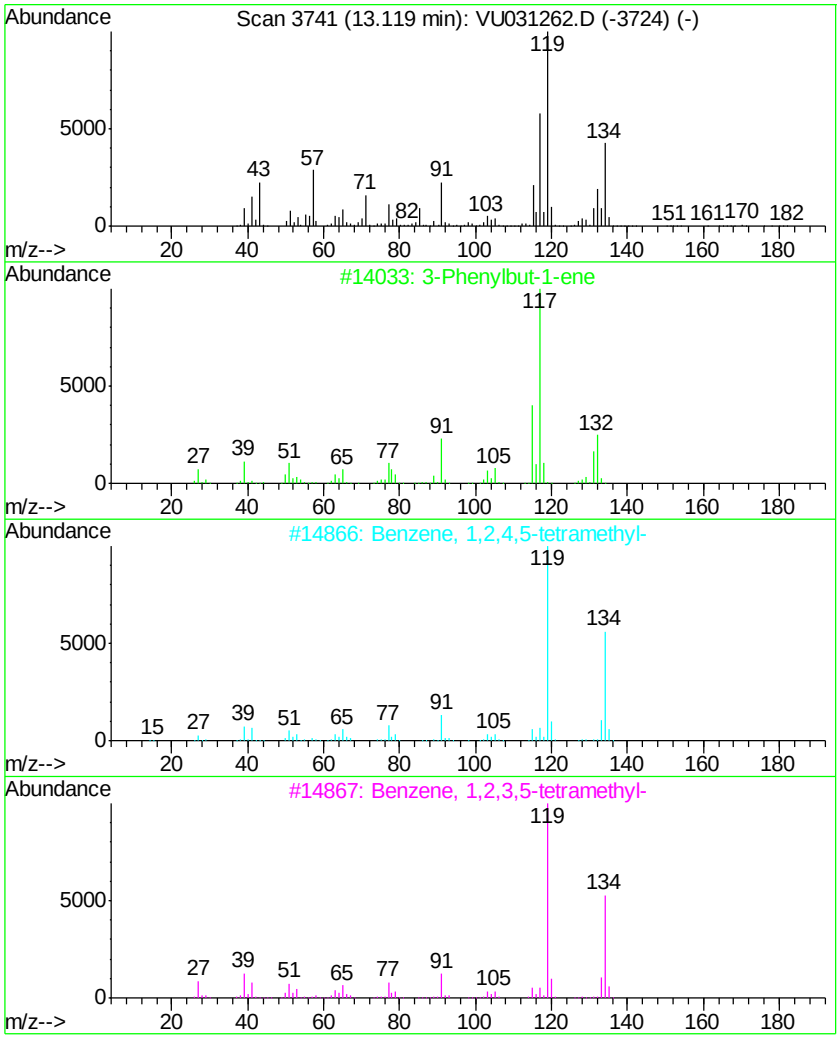
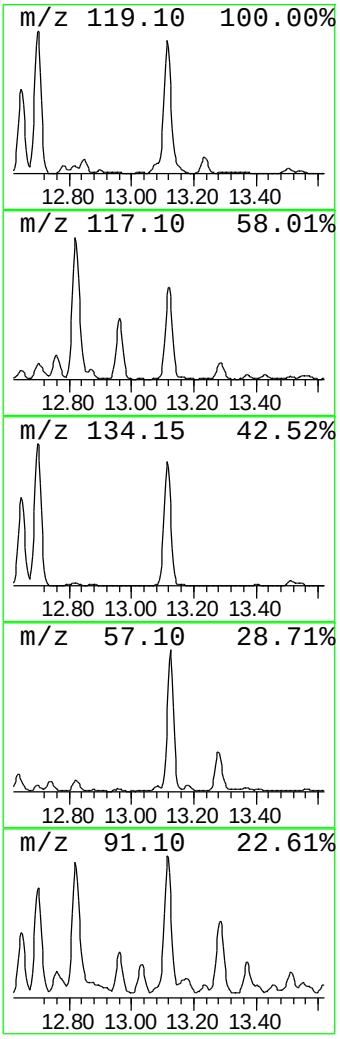
Peak Number 26 3-Phenylbut-1-ene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.12	205.97 ug/L	8620080	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Phenylbut-1-ene	132	C10H12	000934-10-1	70
2	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	64
3	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	64
4	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	64
5	o-Cymene	134	C10H14	000527-84-4	64





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Data File : VU031262.D
Acq On : 17 Apr 2019 16:13
Operator : JC/SP
Sample : K2455-05 5X
Misc : 5.02g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHQ7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

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

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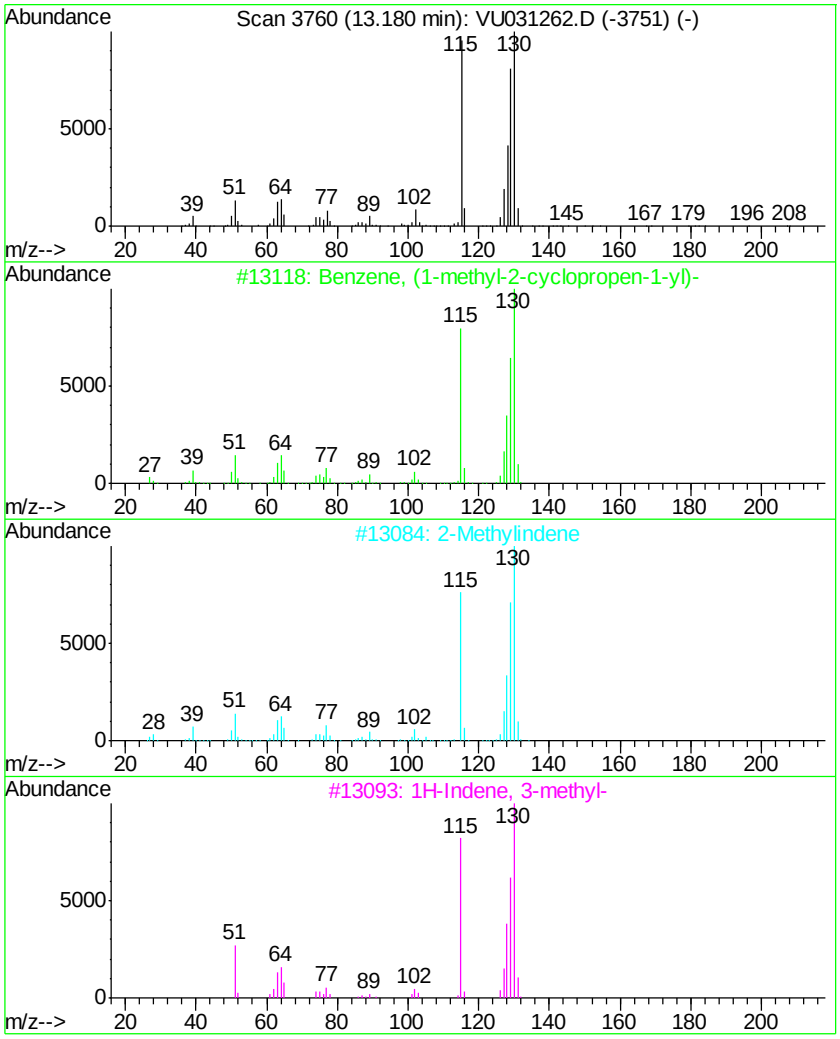
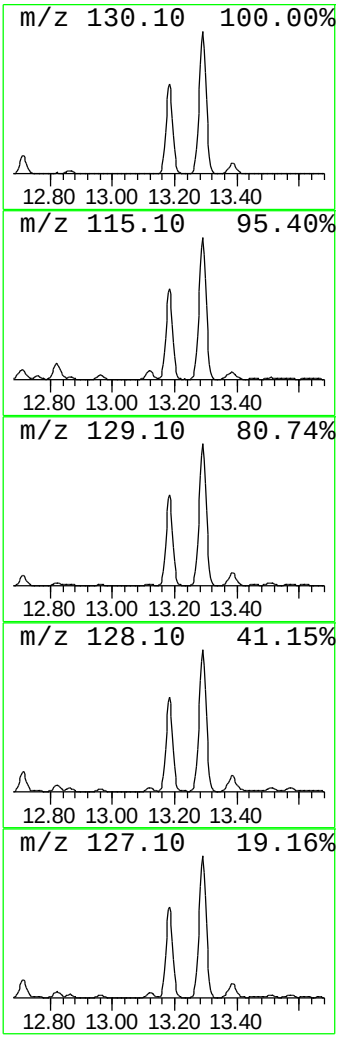
Peak Number 27 Benzene, (1-methyl-2-cyclop... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.18	342.60 ug/L	14337700	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methyl-2-cyclopropen...	130	C10H10	065051-83-4	97
2	2-Methylindene	130	C10H10	002177-47-1	97
3	1H-Indene, 3-methyl-	130	C10H10	000767-60-2	95
4	Cyclopropa[a]indene, 1,1a,6,6a-te...	130	C10H10	015677-15-3	95
5	Benzene, 1-butynyl-	130	C10H10	000622-76-4	94





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041719\
Data File : VU031262.D
Acq On : 17 Apr 2019 16:13
Operator : JC/SP
Sample : K2455-05 5X
Misc : 5.02g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHQ7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

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

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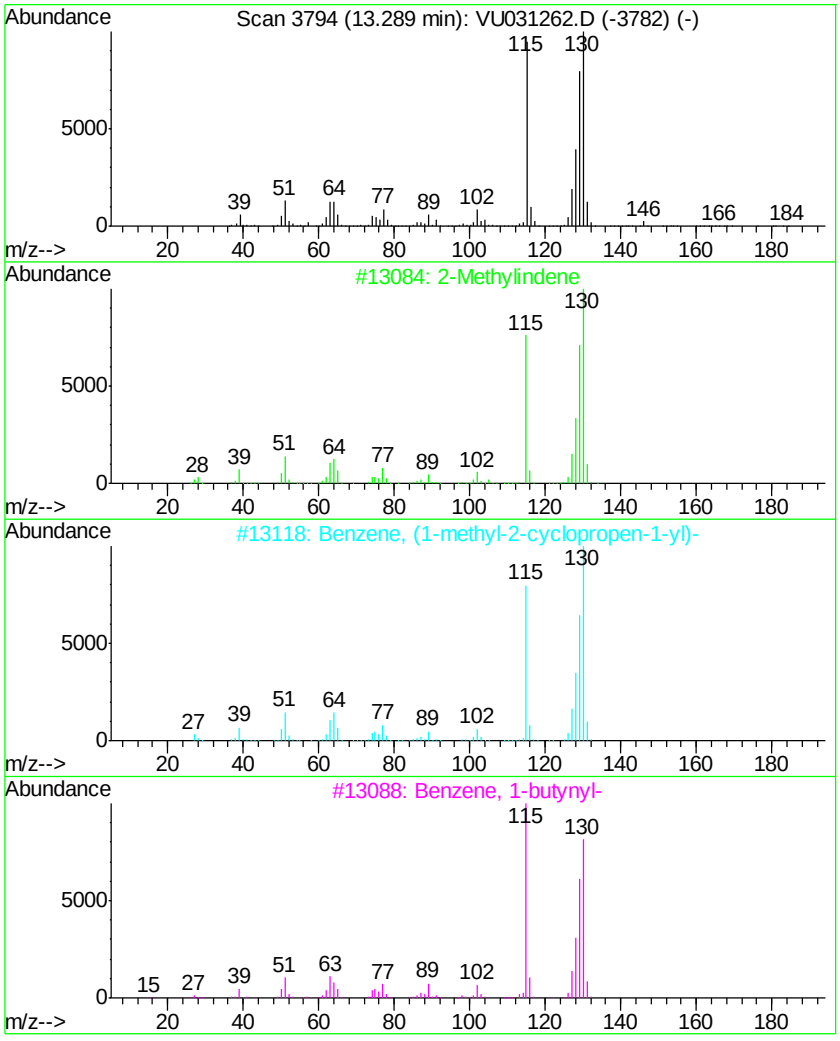
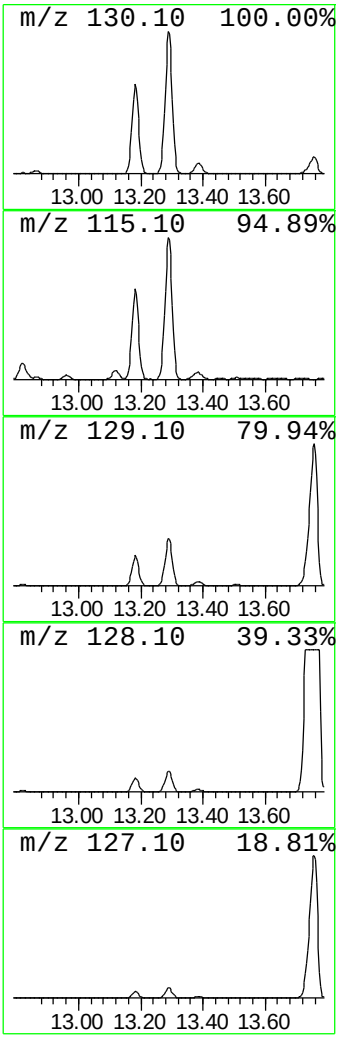
Peak Number 28 2-Methylindene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.29	609.56 ug/L	25510300	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methylindene	130	C10H10	002177-47-1	97
2	Benzene, (1-methyl-2-cyclopropen...	130	C10H10	065051-83-4	96
3	Benzene, 1-butynyl-	130	C10H10	000622-76-4	95
4	Cyclopropa[a]indene, 1,1a,6,6a-te...	130	C10H10	015677-15-3	95
5	1,4-Dihydronaphthalene	130	C10H10	000612-17-9	95





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041719\
Data File : VU031262.D
Acq On : 17 Apr 2019 16:13
Operator : JC/SP
Sample : K2455-05 5X
Misc : 5.02g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHQ7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

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

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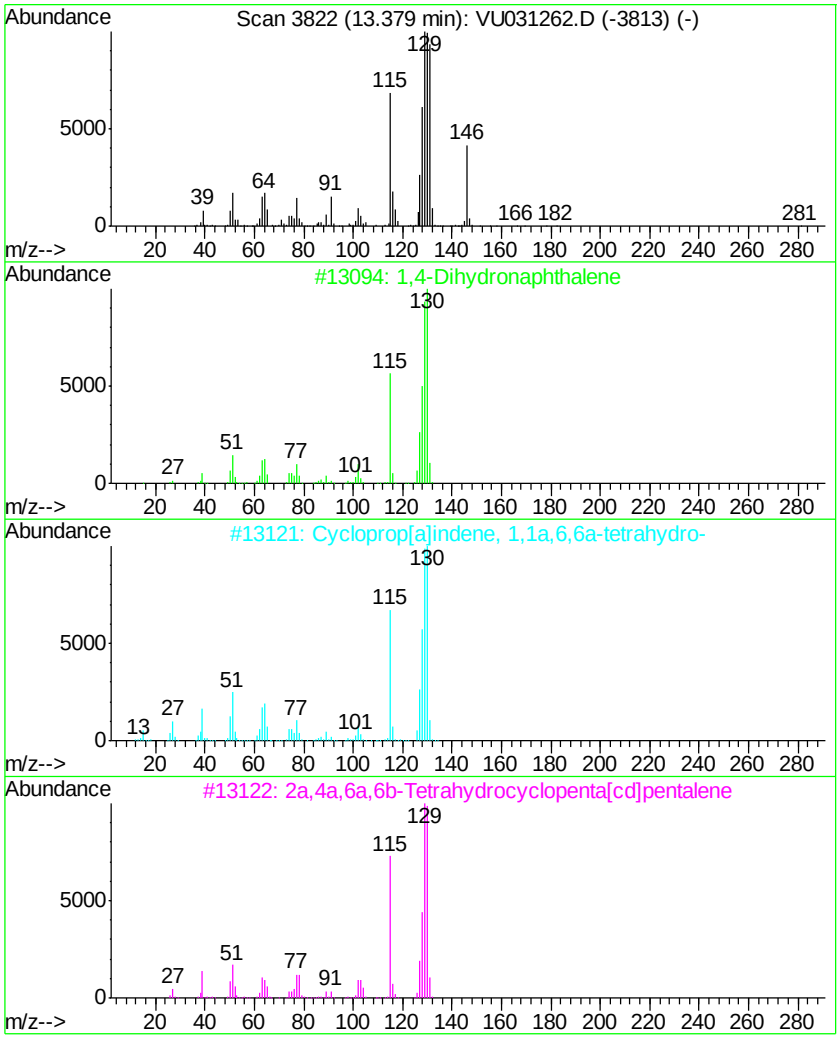
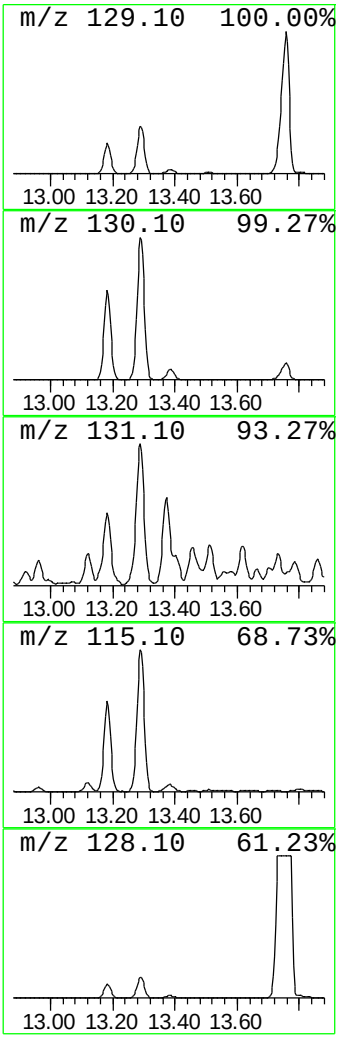
Peak Number 29 1,4-Dihydronaphthalene Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.38	75.23 ug/L	3148430	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4-Dihydronaphthalene	130	C10H10	000612-17-9	95
2	Cycloprop[a]indene, 1,1a,6,6a-te...	130	C10H10	015677-15-3	70
3	2a,4a,6a,6b-Tetrahydrocyclopenta...	130	C10H10	006053-74-3	60
4	1,4-Dihydronaphthalene	130	C10H10	000612-17-9	60
5	Naphthalene, 1,2-dihydro-	130	C10H10	000447-53-0	60





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041719\
Data File : VU031262.D
Acq On : 17 Apr 2019 16:13
Operator : JC/SP
Sample : K2455-05 5X
Misc : 5.02g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHQ7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

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

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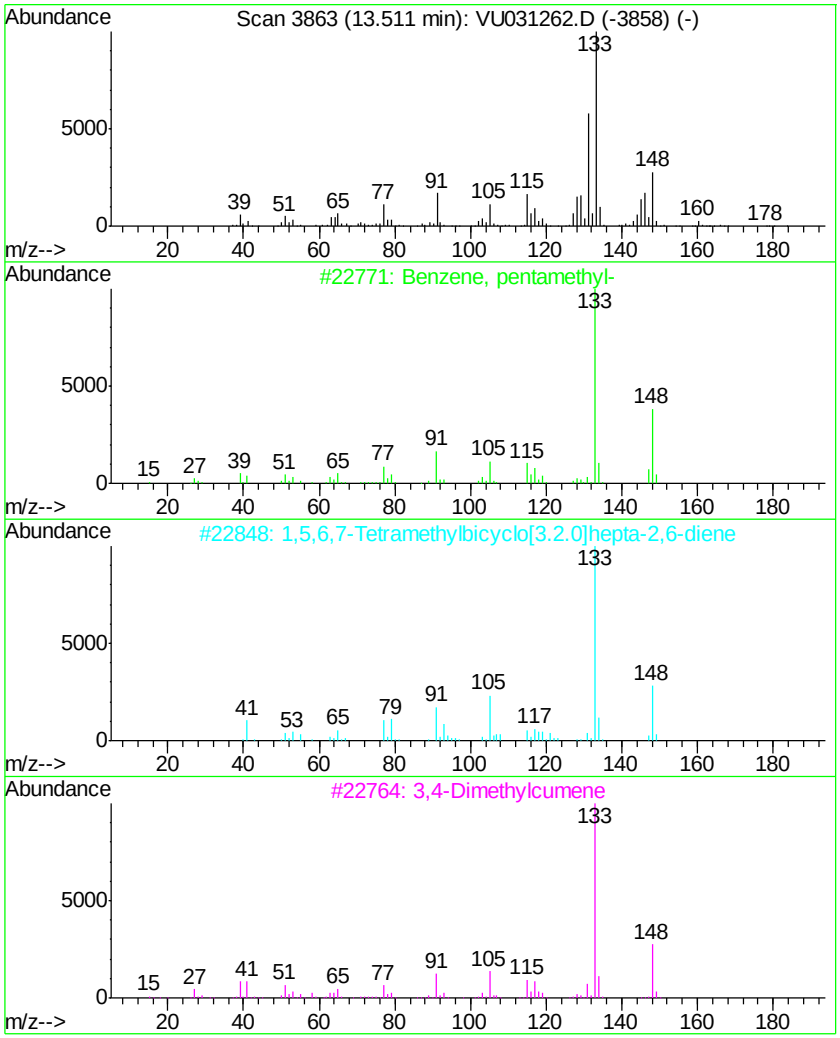
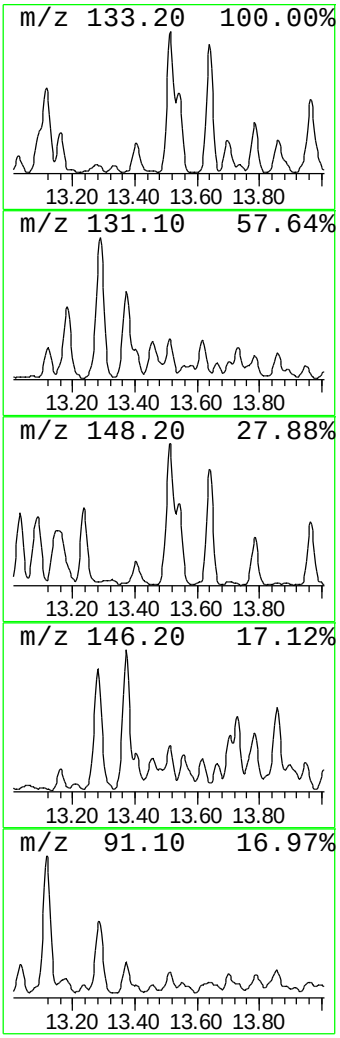
Peak Number 30 Benzene, pentamethyl- Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.51	16.56 ug/L	692896	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, pentamethyl-	148	C11H16	000700-12-9	60
2	1,5,6,7-Tetramethylbicyclo[3.2.0...	148	C11H16	134329-46-7	53
3	3,4-Dimethylcumene	148	C11H16	1000370-34-1	53
4	Benzene, 1,4-dimethyl-2-(1-methy...	148	C11H16	004132-72-3	53
5	Benzene, 1,3-dimethyl-5-(1-methy...	148	C11H16	004706-90-5	53





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041719\
Data File : VU031262.D
Acq On : 17 Apr 2019 16:13
Operator : JC/SP
Sample : K2455-05 5X
Misc : 5.02g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHQ7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

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

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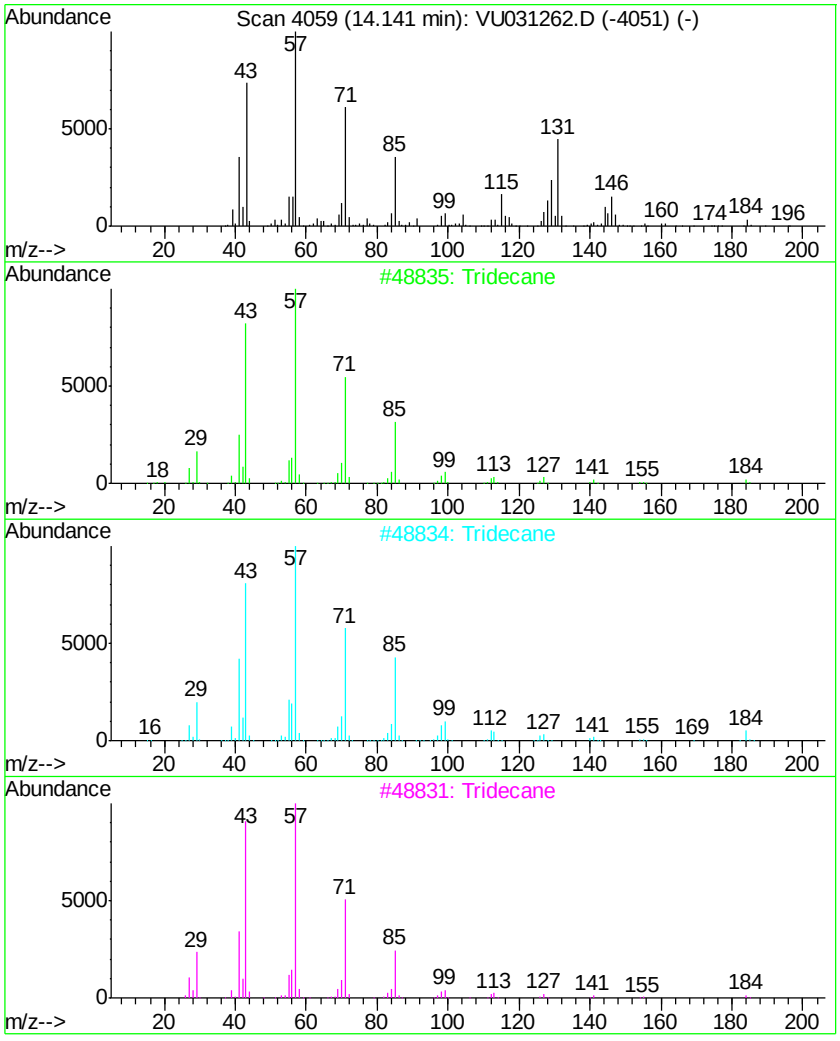
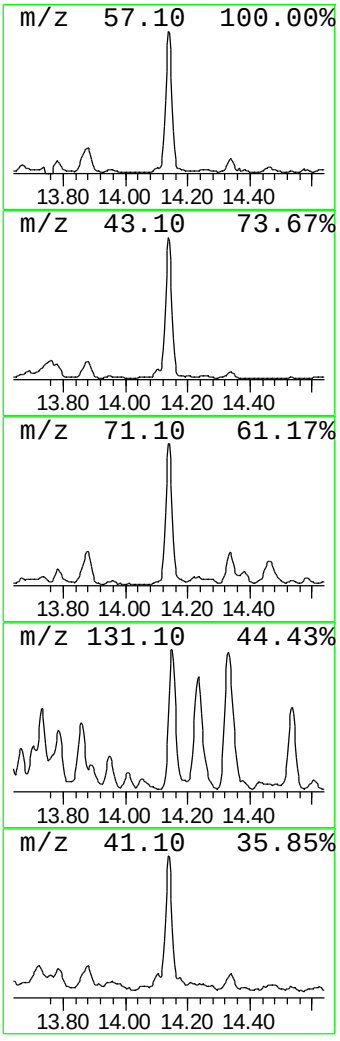
Peak Number 33 (DEL) Alkane: Straight-Chai... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.14	58.70 ug/L	2456420	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	86
2	Tridecane	184	C13H28	000629-50-5	64
3	Tridecane	184	C13H28	000629-50-5	52
4	Hexadecane	226	C16H34	000544-76-3	38
5	Hexadecane	226	C16H34	000544-76-3	38





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041719\
Data File : VU031262.D
Acq On : 17 Apr 2019 16:13
Operator : JC/SP
Sample : K2455-05 5X
Misc : 5.02g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHQ7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

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

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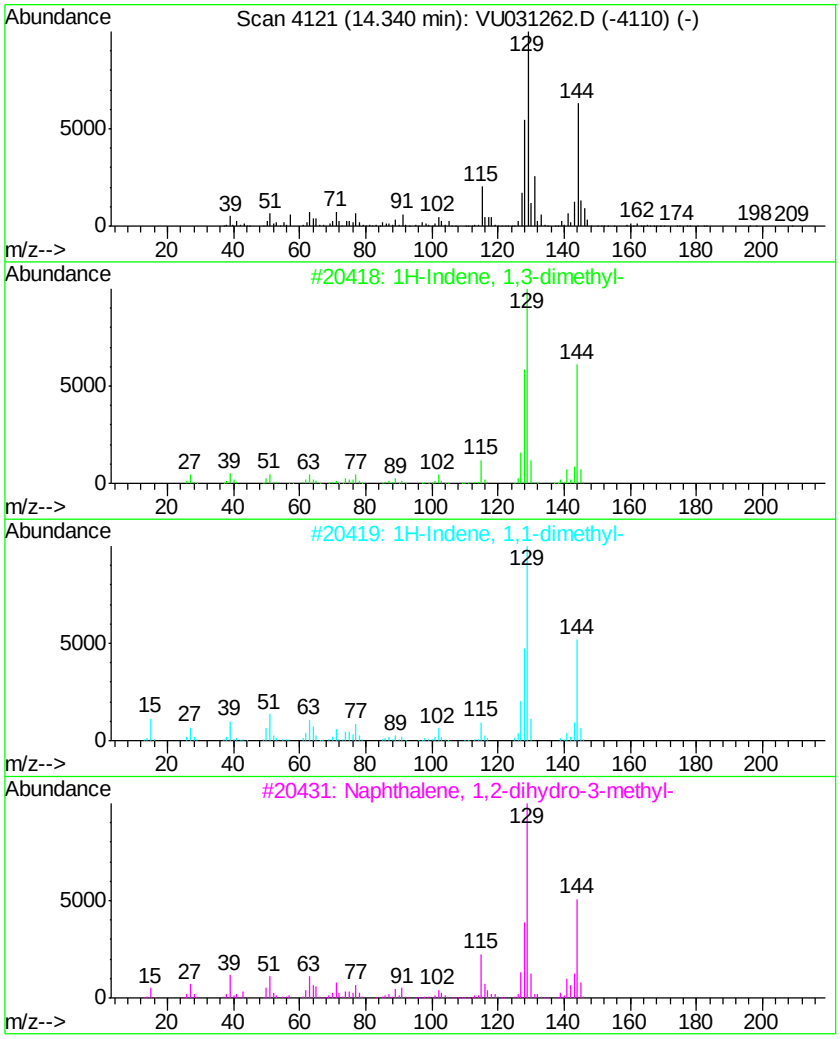
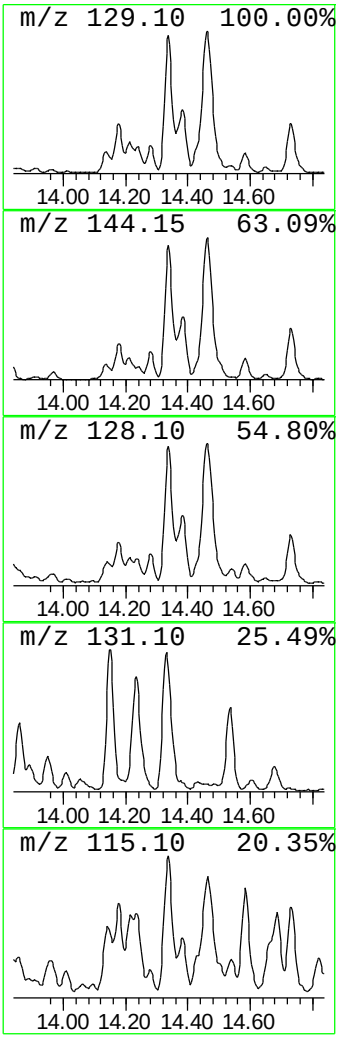
Peak Number 34 1H-Indene, 1,1-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.34	97.12 ug/L	4064310	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 1,3-dimethyl-	144	C11H12	002177-48-2	94
2	1H-Indene, 1,1-dimethyl-	144	C11H12	018636-55-0	90
3	Naphthalene, 1,2-dihydro-3-methyl-	144	C11H12	002717-44-4	90
4	1H-Indene, 2,3-dimethyl-	144	C11H12	004773-82-4	90
5	1H-Indene, 4,7-dimethyl-	144	C11H12	006974-97-6	87





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041719\
Data File : VU031262.D
Acq On : 17 Apr 2019 16:13
Operator : JC/SP
Sample : K2455-05 5X
Misc : 5.02g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHQ7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
Quant Title : VOC Analysis

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

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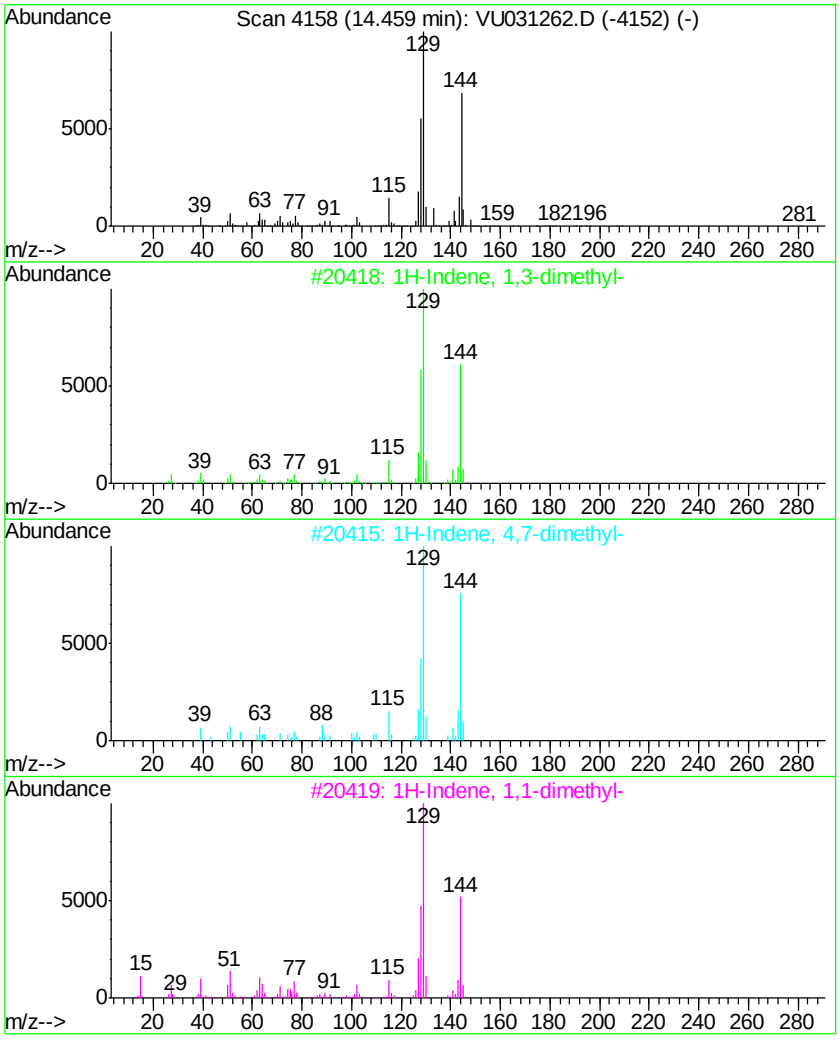
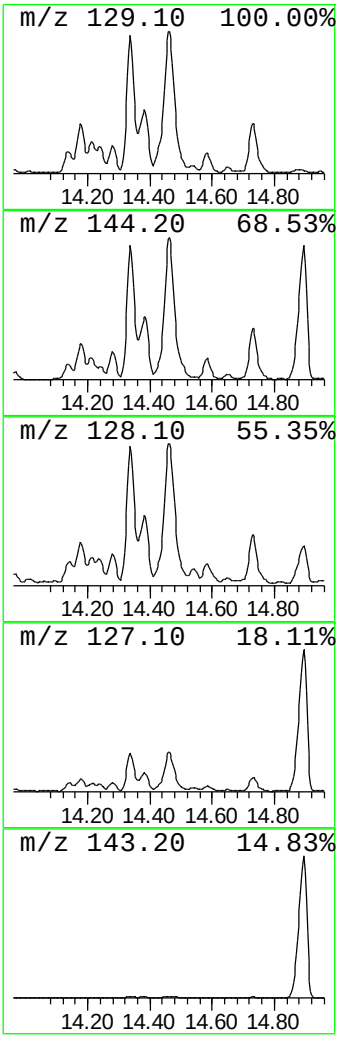
Peak Number 35 1H-Indene, 4,7-dimethyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.46	87.39 ug/L	3657270	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 1,3-dimethyl-	144	C11H12	002177-48-2	96
2	1H-Indene, 4,7-dimethyl-	144	C11H12	006974-97-6	93
3	1H-Indene, 1,1-dimethyl-	144	C11H12	018636-55-0	93
4	1H-Cyclopropa[b]naphthalene, 1a,...	144	C11H12	006571-72-8	90
5	1H-Indene, 2,3-dimethyl-	144	C11H12	004773-82-4	87





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041719\
Data File : VU031262.D
Acq On : 17 Apr 2019 16:13
Operator : JC/SP
Sample : K2455-05 5X
Misc : 5.02g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAHQ7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.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
Benzene, 2-propenyl-	10.51	13.4	ug/L	562926	3	11.48	2092520	50.0
Benzene, propyl-	10.59	18.6	ug/L	777283	3	11.48	2092520	50.0
Benzene, 1-ethyl-...	10.68	163.5	ug/L	6842020	3	11.48	2092520	50.0
Benzene, 1-etheny...	11.21	587.2	ug/L	24572700	3	11.48	2092520	50.0
Benzofuran	11.40	3.0	ug/L	127714	3	11.48	2092520	50.0
Benzene, 1,2,3-tr...	11.57	160.4	ug/L	6714470	3	11.48	2092520	50.0
Benzene, 1-etheny...	11.62	61.9	ug/L	2591660	3	11.48	2092520	50.0
Indane	11.76	100.4	ug/L	4202660	3	11.48	2092520	50.0
Indene	11.98	814.8	ug/L	34099700	3	11.48	2092520	50.0
Benzene, 2-ethyl-...	12.14	27.9	ug/L	1168040	3	11.48	2092520	50.0
Benzene, 1-methyl...	12.22	37.6	ug/L	1572780	3	11.48	2092520	50.0
Benzene, 1-etheny...	12.30	61.4	ug/L	2569360	3	11.48	2092520	50.0
Benzene, 1-methyl...	12.42	191.2	ug/L	8001130	3	11.48	2092520	50.0
(E)-1-Phenyl-1-bu...	12.48	45.3	ug/L	1896250	3	11.48	2092520	50.0
o-Cymene	12.55	10.4	ug/L	435118	3	11.48	2092520	50.0
Benzene, 1,2,4,5-...	12.65	52.9	ug/L	2211730	3	11.48	2092520	50.0
Benzene, 1,2,3,4-...	12.70	158.8	ug/L	6643640	3	11.48	2092520	50.0
Benzene, 1-etheny...	12.82	166.4	ug/L	6965600	3	11.48	2092520	50.0
Benzene, 1-methyl...	12.96	44.1	ug/L	1843820	3	11.48	2092520	50.0
Tetracyclo[3.3.1....	13.03	6.9	ug/L	287490	3	11.48	2092520	50.0
3-Phenylbut-1-ene	13.12	206.0	ug/L	8620080	3	11.48	2092520	50.0
Benzene, (1-methy...	13.18	342.6	ug/L	14337700	3	11.48	2092520	50.0
2-Methylindene	13.29	609.6	ug/L	25510300	3	11.48	2092520	50.0
1,4-Dihydronaphth...	13.38	75.2	ug/L	3148430	3	11.48	2092520	50.0
Benzene, pentamet...	13.51	16.6	ug/L	692896	3	11.48	2092520	50.0
(DEL) Alkane: Str...	14.14	58.7	ug/L	2456420	3	11.48	2092520	50.0
1H-Indene, 1,1-di...	14.34	97.1	ug/L	4064310	3	11.48	2092520	50.0
1H-Indene, 4,7-di...	14.46	87.4	ug/L	3657270	3	11.48	2092520	50.0