LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU043019\
Data File : VU031667.D
Acq On : 01 May 2019 04:54
Operator : JC/SP
Sample : K2604-09 20X
Misc : 5.01g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 46 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ83

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\SOMULM042719WMA.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	1.177	24	27	37	rVB	16617	14361	0.01%	0.003%
2	1.396	87	95	107	rBV	454132	499956	0.37%	0.119%
3	1.679	176	183	199	rBV	347456	452988	0.33%	0.108%
4	2.264	354	365	378	rVB	776546	1183756	0.87%	0.283%
5	2.421	411	414	422	rVB7	2029	2010	0.00%	0.000%
6	2.531	445	448	452	rBV4	2329	1864	0.00%	0.000%
7	2.695	492	499	503	rBV7	3677	5791	0.00%	0.001%
8	2.916	562	568	574	rVB6	1798	1972	0.00%	0.000%
9	2.997	590	593	597	rBV4	1686	1529	0.00%	0.000%
10	3.084	616	620	622	rBV2	1925	1601	0.00%	0.000%
11	3.421	718	725	727	rBV4	1244	1485	0.00%	0.000%
12	3.444	730	732	738	rVB2	2087	2062	0.00%	0.000%
13	3.476	738	742	749	rBV6	1968	2800	0.00%	0.001%
14	3.579	771	774	779	rBV3	1486	1373	0.00%	0.000%
15	3.682	798	806	810	rVB4	1373	1837	0.00%	0.000%
16	3.810	839	846	851	rVB4	2018	1984	0.00%	0.000%
17	3.849	851	858	863	rBV7	1112	1342	0.00%	0.000%
18	4.196	951	966	1016	rBV2	272044	1097205	0.80%	0.262%
19	4.569	1078	1082	1087	rBV5	1589	1409	0.00%	0.000%
20	4.640	1087	1104	1129	rBV	562074	1341809	0.98%	0.320%
21	4.743	1134	1136	1143	rVB4	2257	1610	0.00%	0.000%
22	4.958	1199	1203	1204	rBV2	2251	1413	0.00%	0.000%
23	4.971	1204	1207	1209	rVV3	2009	1347	0.00%	0.000%
24	5.334	1296	1320	1332	rBV2	1192197	3569848	2.61%	0.852%
25	5.614	1404	1407	1411	rBV4	1845	1644	0.00%	0.000%
26	5.640	1411	1415	1421	rVV7	2333	2747	0.00%	0.001%
27	5.765	1450	1454	1456	rBV4	1474	1337	0.00%	0.000%
28	5.881	1475	1490	1527	rBV	1220356	2531529	1.85%	0.604%
29	6.174	1573	1581	1596	rBV6	17442	36921	0.03%	0.009%
30	6.254	1602	1606	1613	rVB5	2459	2498	0.00%	0.001%
31	6.325	1613	1628	1650	rBV	787987	1631003	1.19%	0.389%
32	6.820	1778	1782	1785	rBV4	1728	1381	0.00%	0.000%
33	7.061	1853	1857	1861	rVB4	1571	1435	0.00%	0.000%
34	7.225	1896	1908	1929	rBV	406111	771502	0.56%	0.184%

LSC Area Percent Report

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Acq On : 01 May 2019 04:54
Operator : JC/SP
Sample : K2604-09 20X
Misc : 5.01g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 46 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ83

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\SOMULM042719WMA.M
Title : VOC Analysis

35	7.428	1967	1971	1973	rBV4	1937	1407	0.00%	0.000%
36	7.508	1992	1996	1999	rBV3	2983	2704	0.00%	0.001%
37	7.563	1999	2013	2024	rBV	1464683	2619283	1.92%	0.625%
38	7.633	2025	2035	2068	rVB	1670682	3096214	2.26%	0.739%
39	7.849	2092	2102	2123	rBV	267577	488413	0.36%	0.117%
40	8.106	2178	2182	2184	rBV3	3076	2464	0.00%	0.001%
41	8.318	2237	2248	2286	rVV	1187199	2408427	1.76%	0.575%
42	8.749	2374	2382	2388	rBV10	4059	6179	0.00%	0.001%
43	9.087	2474	2487	2524	rBV	1764614	3070428	2.25%	0.733%
44	9.247	2526	2537	2560	rBV	376660	652856	0.48%	0.156%
45	9.370	2562	2575	2593	rBV	2784777	4717417	3.45%	1.126%
46	9.788	2690	2705	2737	rBV3	5393139	9915201	7.25%	2.366%
47	10.161	2816	2821	2831	rBV4	17756	28522	0.02%	0.007%
48	10.431	2894	2905	2918	rBV	1074517	1706874	1.25%	0.407%
49	10.508	2923	2929	2943	rVB3	90148	143873	0.11%	0.034%
50	10.585	2944	2953	2969	rVB	118597	187996	0.14%	0.045%
51	10.678	2972	2982	2998	rBV	500705	1093495	0.80%	0.261%
52	10.768	2999	3010	3019	rBV	648052	1053395	0.77%	0.251%
53	10.993	3064	3080	3095	rVB2	438314	963845	0.70%	0.230%
54	11.144	3111	3127	3138	rBV	2288612	3726282	2.72%	0.889%
55	11.212	3138	3148	3157	rVV	4036974	6160227	4.50%	1.470%
56	11.260	3157	3163	3177	rVB	1488010	2222581	1.63%	0.530%
57	11.479	3221	3231	3244	rBV	1882340	2943491	2.15%	0.703%
58	11.566	3250	3258	3267	rVV	807461	1183987	0.87%	0.283%
59	11.624	3268	3276	3292	rVB	621294	953073	0.70%	0.227%
60	11.762	3309	3319	3328	rBV	580796	973001	0.71%	0.232%
61	11.855	3339	3348	3365	rVB2	1578397	2789708	2.04%	0.666%
62	11.977	3374	3386	3407	rBV	17480549	27436010	20.06%	6.548%
63	12.144	3430	3438	3441	rBV	137885	194522	0.14%	0.046%
64	12.218	3454	3461	3465	rBV2	267160	386268	0.28%	0.092%
65	12.302	3479	3487	3498	rVB3	274024	501775	0.37%	0.120%
66	12.421	3515	3524	3534	rVB	1197249	1844927	1.35%	0.440%
67	12.479	3535	3542	3556	rVB2	320997	491057	0.36%	0.117%
68	12.704	3602	3612	3623	rBV4	871254	1779820	1.30%	0.425%
69	12.820	3639	3648	3657	rBV	923877	1521953	1.11%	0.363%
70	12.958	3685	3691	3705	rVB2	231001	339963	0.25%	0.081%
71	13.080	3722	3729	3732	rBV2	180689	234190	0.17%	0.056%

LSC Area Percent Report

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Sample : K2604-09 20X
Misc : 5.01g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 46 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ83

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\SOMULM042719WMA.M
Title : VOC Analysis

72	13.115	3733	3740	3749	rVV3	1076584	1679056	1.23%	0.401%
73	13.180	3750	3760	3773	rVB	4378810	6579853	4.81%	1.570%
74	13.286	3782	3793	3809	rVB	4845748	7863253	5.75%	1.877%
75	13.382	3812	3823	3840	rVB2	669537	1263002	0.92%	0.301%
76	13.746	3921	3936	3949	rBV2	75642026	136751179	100.00%	32.638%
77	13.858	3963	3971	3992	rVB	1116271	1921969	1.41%	0.459%
78	14.138	4052	4058	4064	rBV2	269623	369815	0.27%	0.088%
79	14.334	4110	4119	4128	rBV	726601	1290885	0.94%	0.308%
80	14.582	4190	4196	4210	rVB	325718	507721	0.37%	0.121%
81	14.726	4235	4241	4258	rVB	639042	1094053	0.80%	0.261%
82	14.816	4262	4269	4274	rVV	300553	422442	0.31%	0.101%
83	14.874	4275	4287	4304	rVB2	37057206	57155933	41.80%	13.641%
84	15.057	4332	4344	4362	rBV	22758762	35136488	25.69%	8.386%
85	15.601	4503	4513	4524	rBV	4170815	6389921	4.67%	1.525%
86	15.794	4566	4573	4580	rBV	921865	1254422	0.92%	0.299%
87	15.906	4597	4608	4625	rBV	5068065	8925938	6.53%	2.130%
88	16.054	4644	4654	4660	rBV	6820681	10728129	7.84%	2.560%
89	16.090	4661	4665	4680	rVB	3603427	5068206	3.71%	1.210%
90	16.183	4684	4694	4706	rVB	3152027	4776486	3.49%	1.140%
91	16.279	4708	4724	4746	rVB	2011128	5180716	3.79%	1.236%
92	16.427	4761	4770	4786	rVB	1192392	1949842	1.43%	0.465%
93	16.517	4787	4798	4817	rVV	7702547	13206699	9.66%	3.152%
94	16.627	4827	4832	4843	rVB2	593727	852798	0.62%	0.204%
95	16.733	4857	4865	4871	rBV	817000	1258745	0.92%	0.300%
96	16.964	4933	4937	4945	rVB2	651535	798311	0.58%	0.191%
97	17.016	4946	4953	4976	rVB3	923609	2191265	1.60%	0.523%
98	17.160	4990	4998	5008	rVB	1004416	1583412	1.16%	0.378%
99	17.221	5010	5017	5027	rVB2	578595	894459	0.65%	0.213%
100	17.524	5103	5111	5125	rVB	481669	883850	0.65%	0.211%

Sum of corrected areas: 418996025

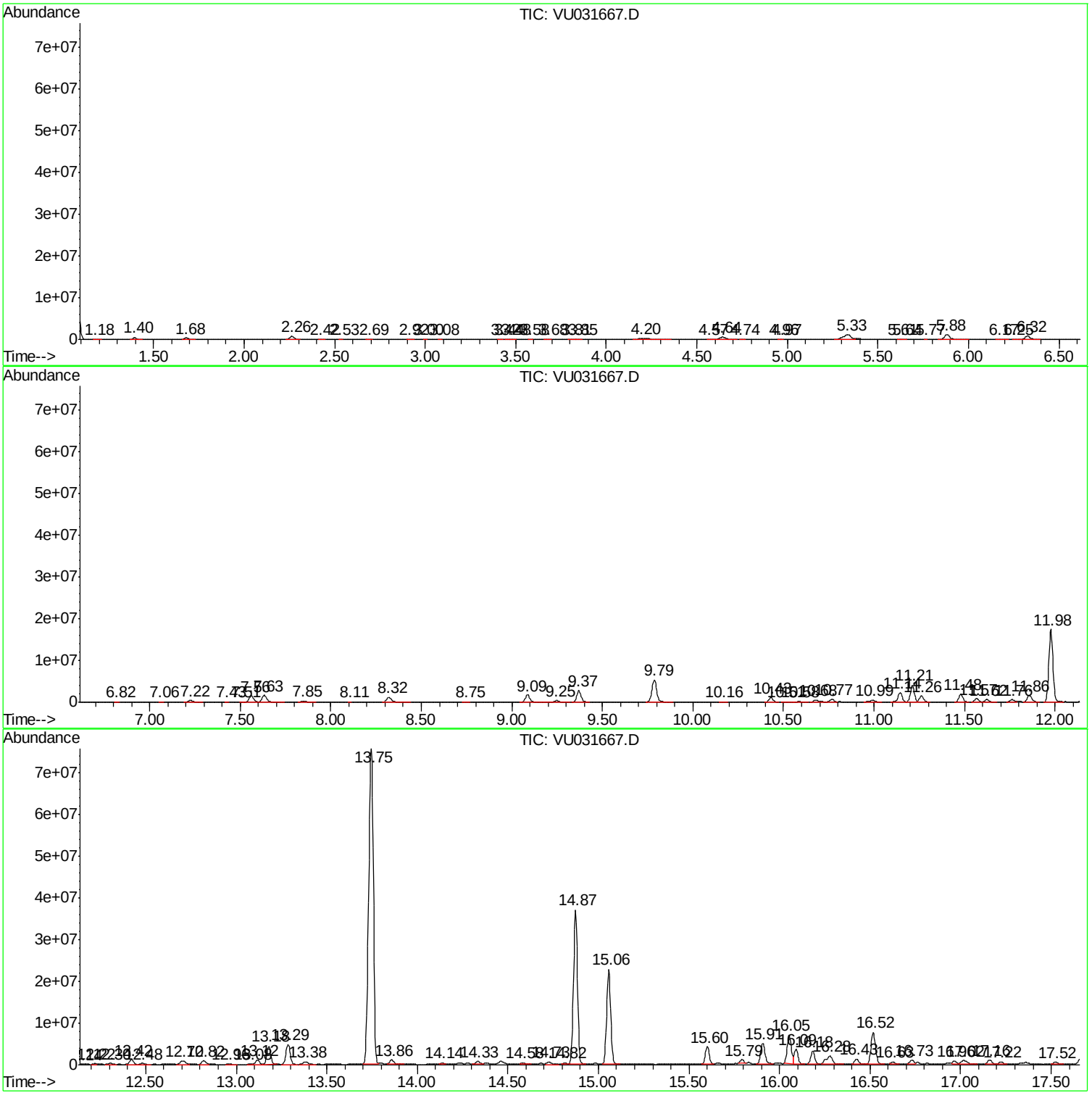
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU043019\
Data File : VU031667.D
Acq On : 01 May 2019 04:54
Operator : JC/SP
Sample : K2604-09 20X
Misc : 5.01g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 46 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ83

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.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\VU043019\
Data File : VU031667.D
Acq On : 01 May 2019 04:54
Operator : JC/SP
Sample : K2604-09 20X
Misc : 5.01g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 46 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ83

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

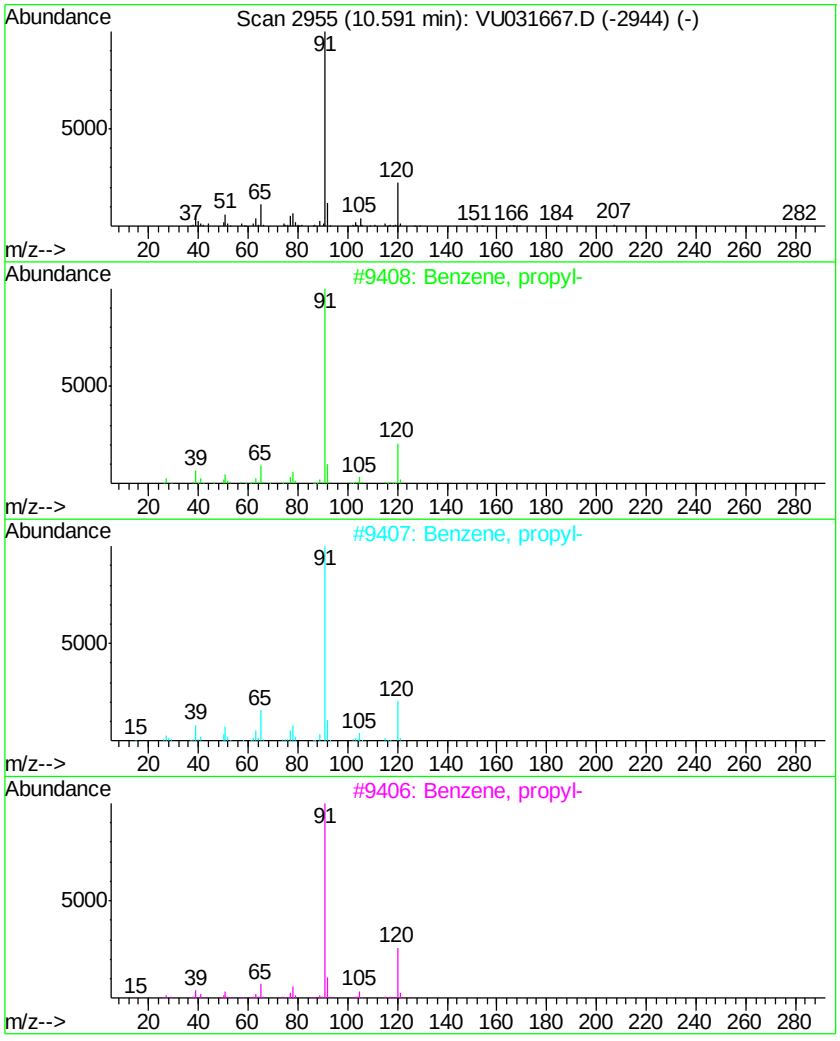
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

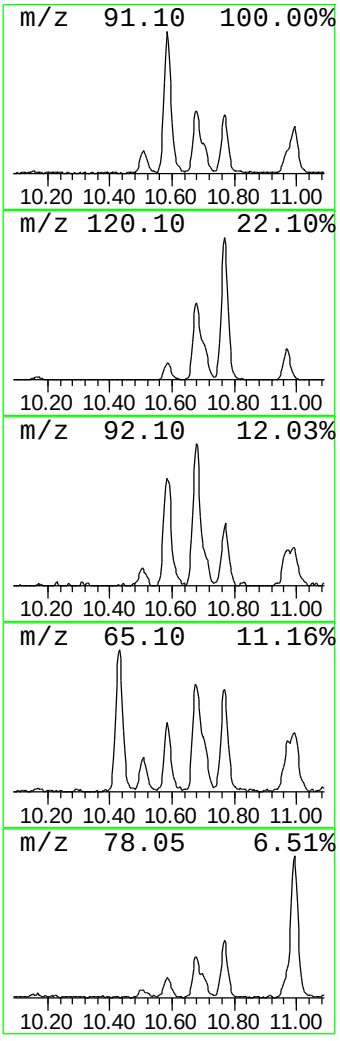
****

Peak Number 2 Benzene, propyl- Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.59	3.19 ug/L	187996	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	Benzene, propyl-	120	C9H12	000103-65-1	87
4	N-Benzyl-2-phenethylamine	211	C15H17N	003647-71-0	83
5	Ethanol, 2-[(phenylmethyl)amino]-	151	C9H13NO	000104-63-2	53





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU043019\
Data File : VU031667.D
Acq On : 01 May 2019 04:54
Operator : JC/SP
Sample : K2604-09 20X
Misc : 5.01g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 46 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ83

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

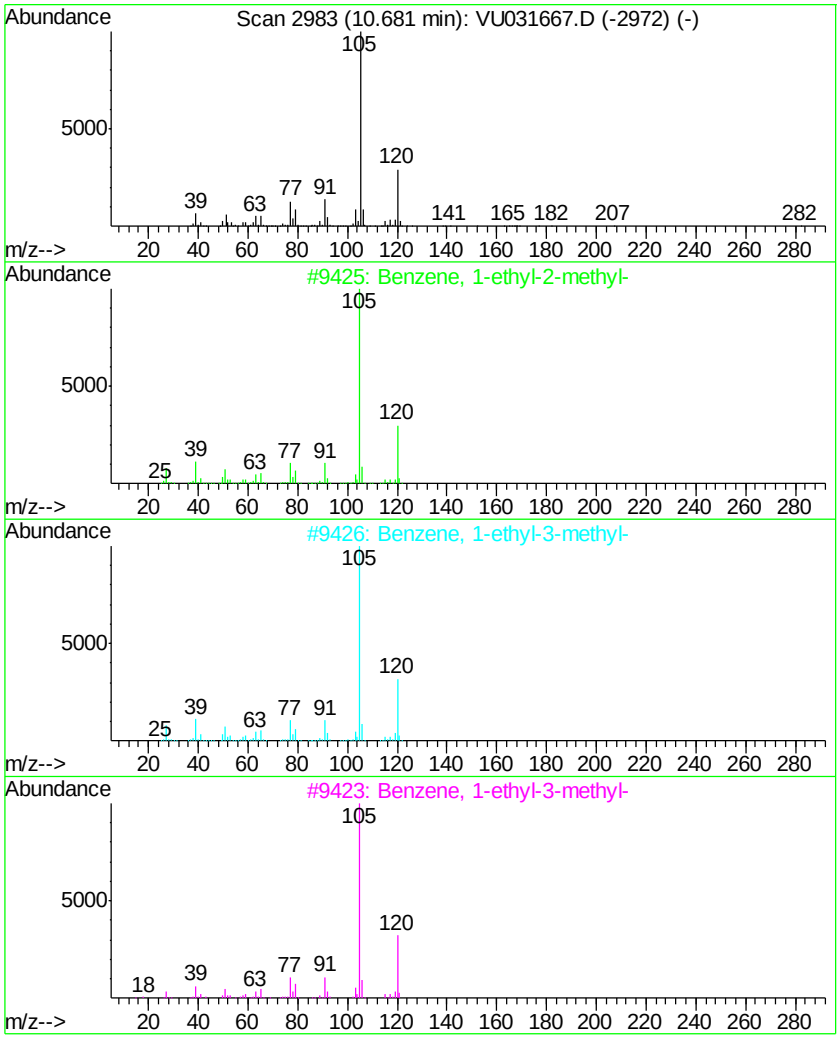
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

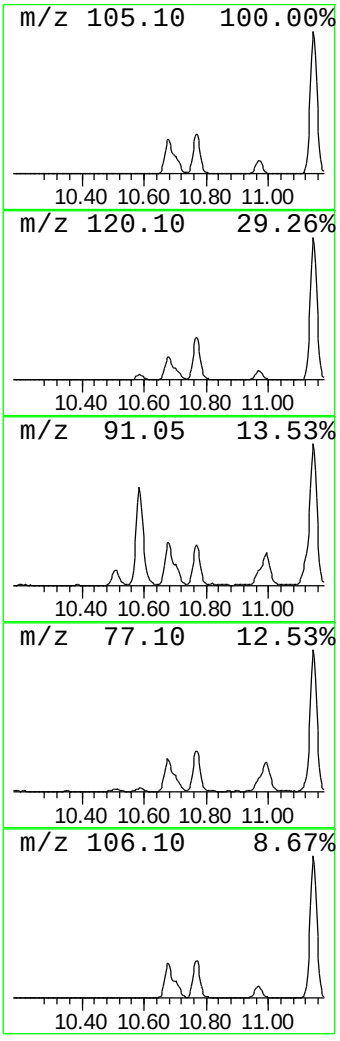
****

Peak Number 3 Benzene, 1-ethyl-2-methyl- Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.68	18.57 ug/L	1093500	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-3-methyl-	120	C9H12	000620-14-4	95
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU043019\
Data File : VU031667.D
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Operator : JC/SP
Sample : K2604-09 20X
Misc : 5.01g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 46 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ83

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

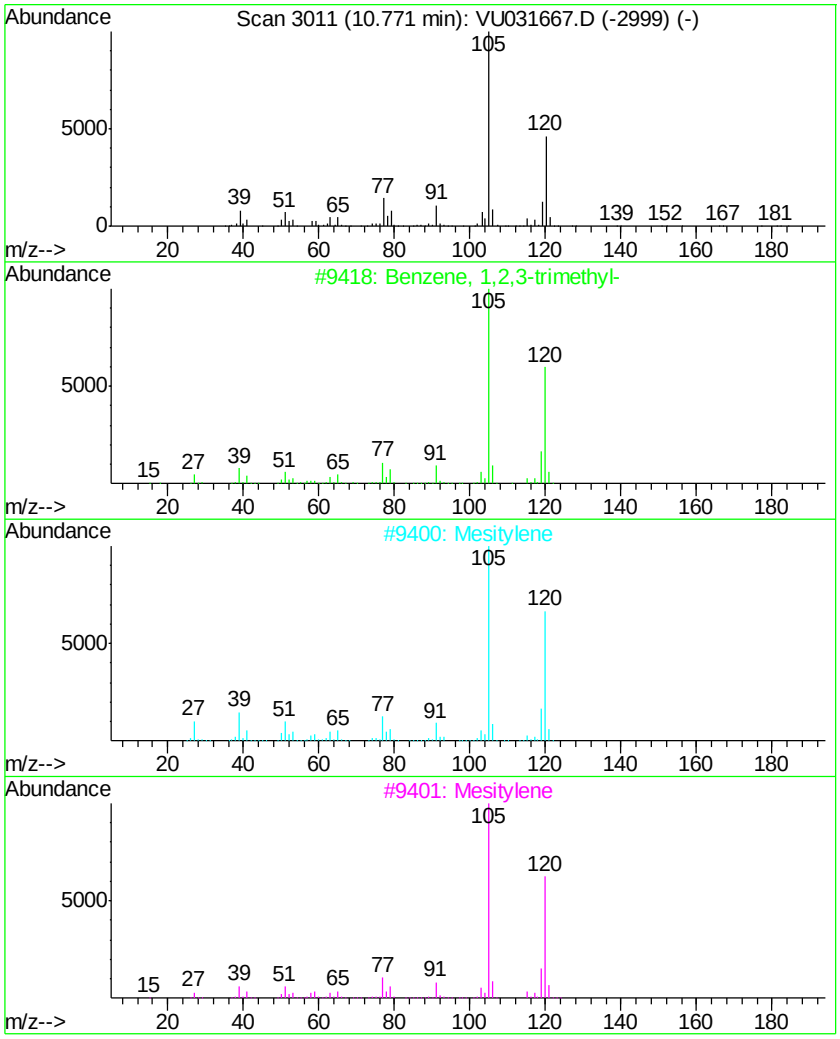
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

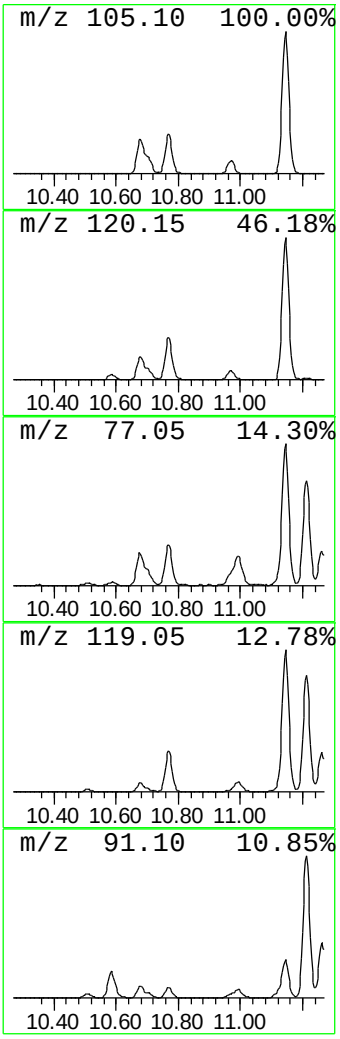
****

Peak Number 4 Benzene, 1,2,3-trimethyl- Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.77	17.89 ug/L	1053400	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	97
2	Mesitylene	120	C9H12	000108-67-8	95
3	Mesitylene	120	C9H12	000108-67-8	95
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	95
5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	94





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU043019\
Data File : VU031667.D
Acq On : 01 May 2019 04:54
Operator : JC/SP
Sample : K2604-09 20X
Misc : 5.01g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 46 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ83

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

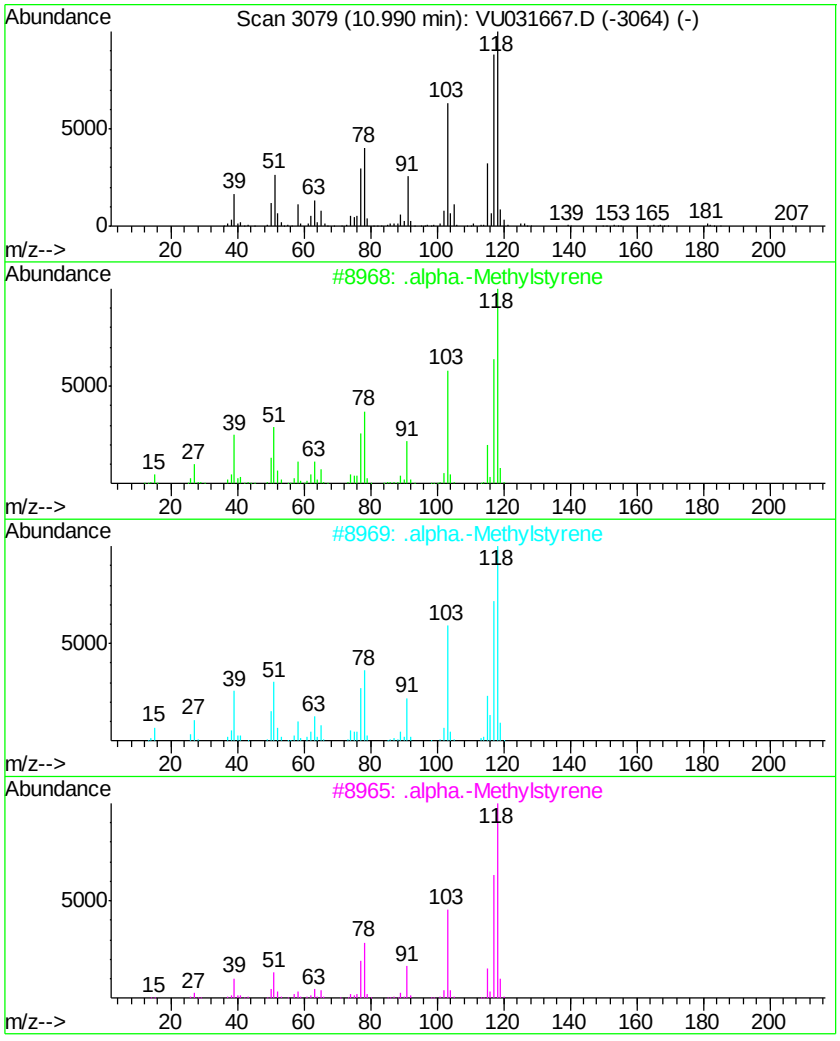
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

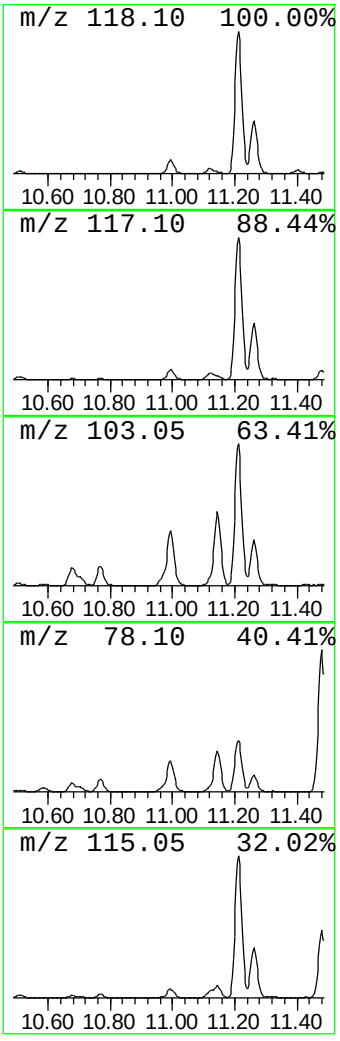
****

Peak Number 5 .alpha.-Methylstyrene Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.99	16.37 ug/L	963845	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.alpha.-Methylstyrene	118	C9H10	000098-83-9	96
2	.alpha.-Methylstyrene	118	C9H10	000098-83-9	93
3	.alpha.-Methylstyrene	118	C9H10	000098-83-9	81
4	Benzene, 1-propenyl-	118	C9H10	000637-50-3	60
5	Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	55





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU043019\
Data File : VU031667.D
Acq On : 01 May 2019 04:54
Operator : JC/SP
Sample : K2604-09 20X
Misc : 5.01g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 46 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ83

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

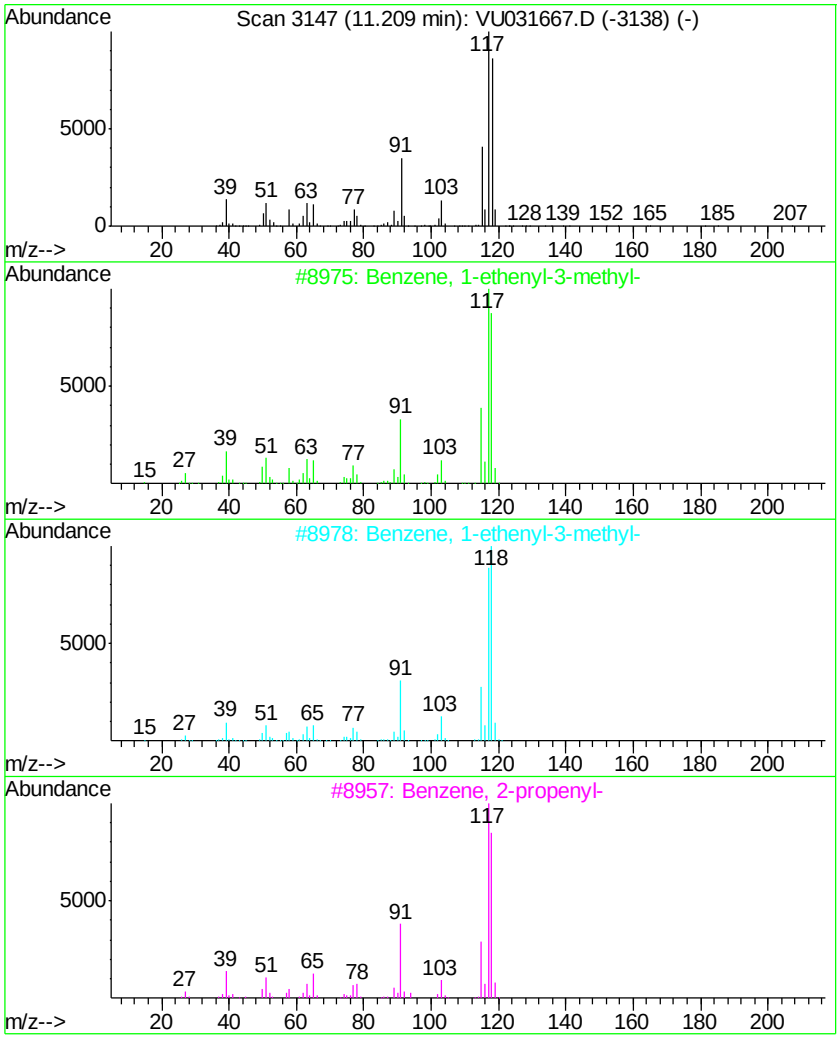
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

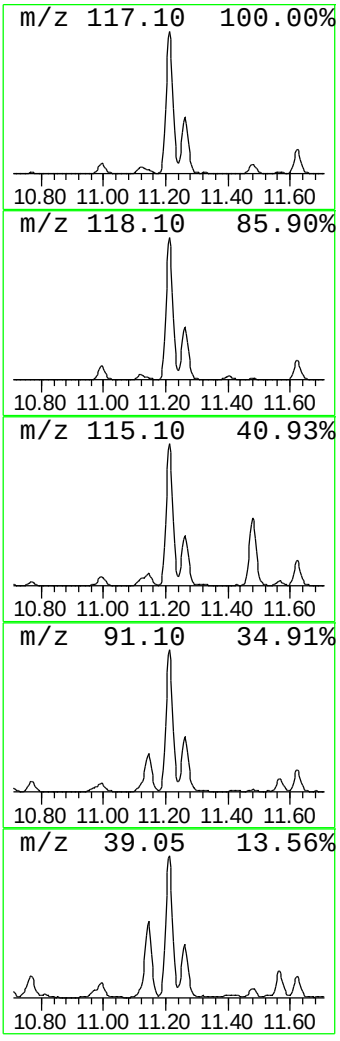
****

Peak Number 7 Benzene, 1-ethenyl-3-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.21	104.64 ug/L	6160230	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, 2-propenyl-	118	C9H10	000300-57-2	95
4	Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	94
5	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	94





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU043019\
Data File : VU031667.D
Acq On : 01 May 2019 04:54
Operator : JC/SP
Sample : K2604-09 20X
Misc : 5.01g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 46 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ83

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

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

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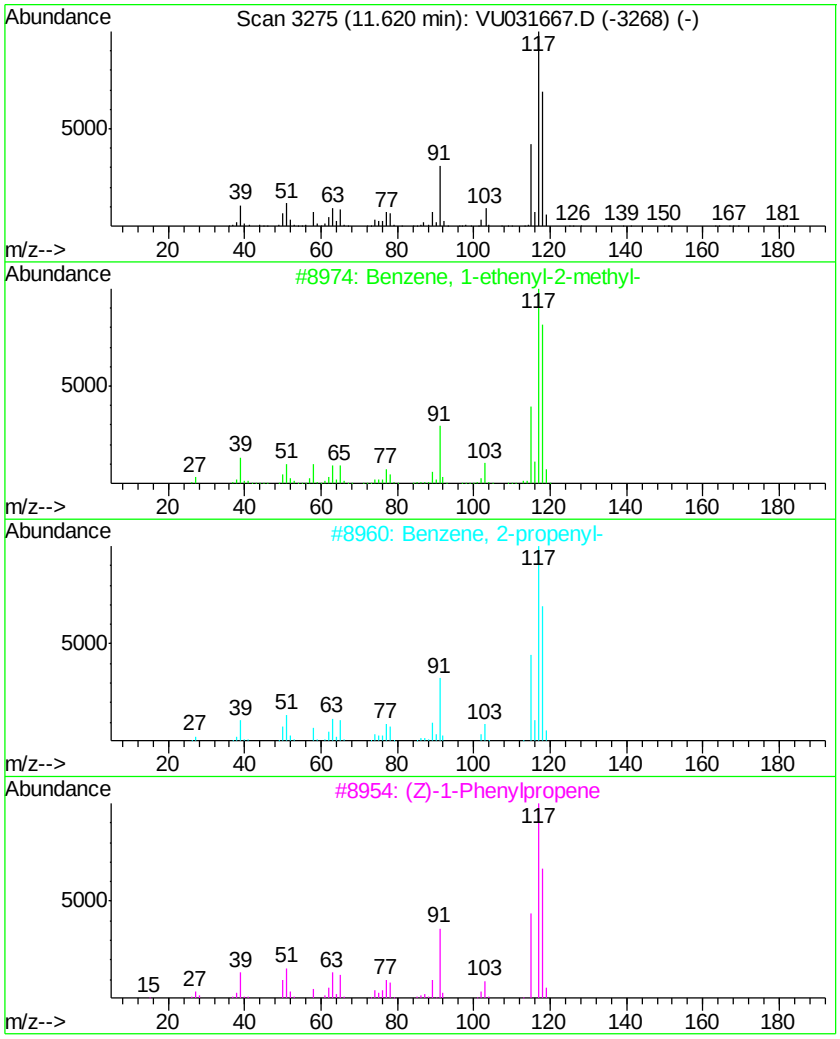
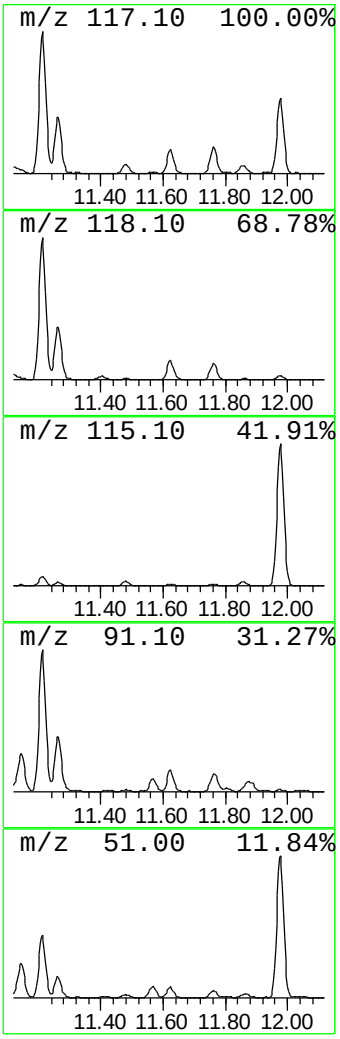
Peak Number 10 Benzene, 1-ethenyl-2-methyl- Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.62	16.19 ug/L	953073	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	94
2	Benzene, 2-propenyl-	118	C9H10	000300-57-2	93
3	(Z)-1-Phenylpropene	118	C9H10	000766-90-5	93
4	Benzene, 1-propenyl-	118	C9H10	000637-50-3	93
5	Benzene, 1-propenyl-	118	C9H10	000637-50-3	93





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Operator : JC/SP
Sample : K2604-09 20X
Misc : 5.01g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 46 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ83

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

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

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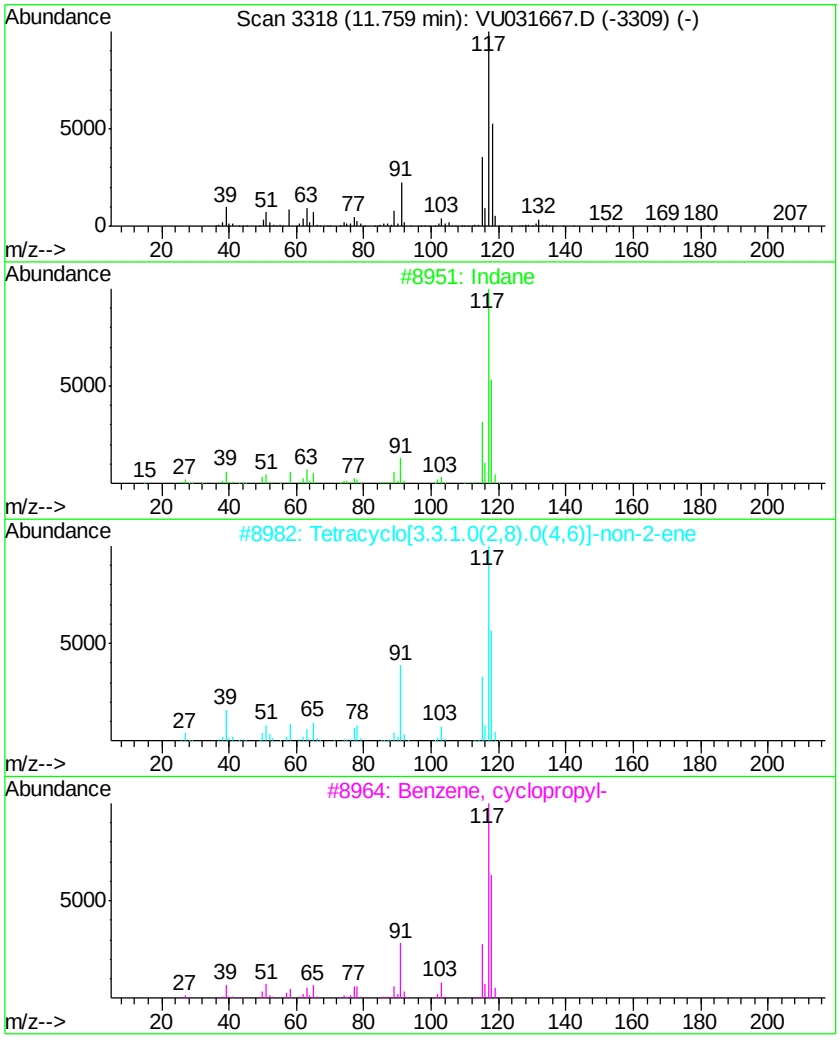
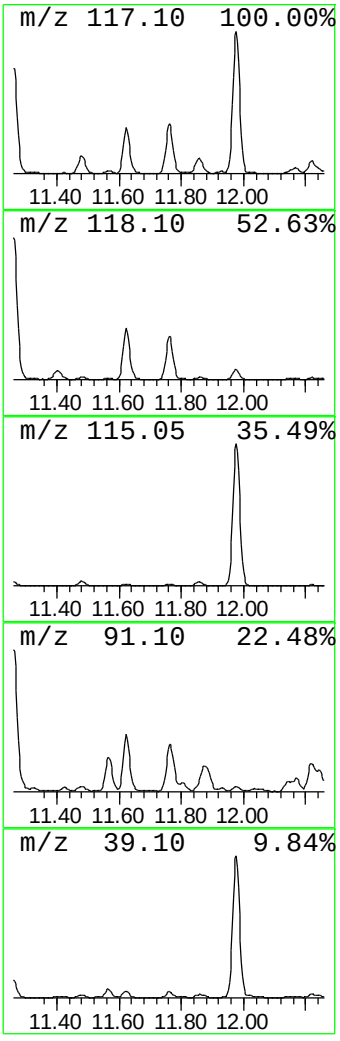
Peak Number 11 Indane Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.76	16.53 ug/L	973001	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	87
2	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	81
3	Benzene, cyclopropyl-	118	C9H10	000873-49-4	76
4	(Z)-1-Phenylpropene	118	C9H10	000766-90-5	74
5	Benzene, 1-propenyl-	118	C9H10	000637-50-3	68





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Operator : JC/SP
Sample : K2604-09 20X
Misc : 5.01g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 46 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ83

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

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

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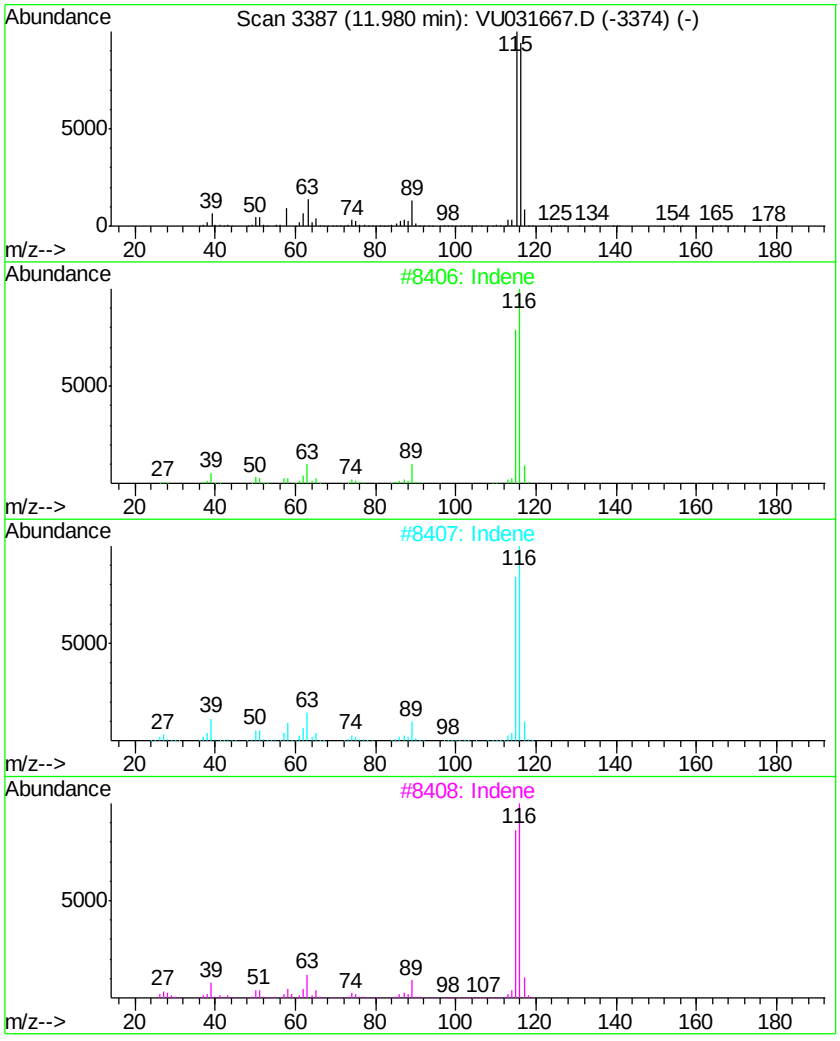
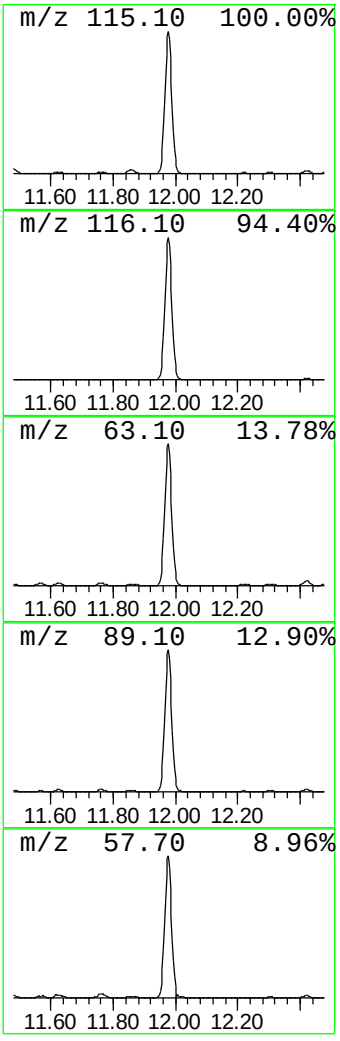
Peak Number 12 Indene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.98	466.05 ug/L	27436000	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	3-Methylphenylacetylene	116	C9H8	000766-82-5	94
5	Benzene, 1,2-propadienyl-	116	C9H8	002327-99-3	91





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Data File : VU031667.D
Acq On : 01 May 2019 04:54
Operator : JC/SP
Sample : K2604-09 20X
Misc : 5.01g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 46 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ83

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

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

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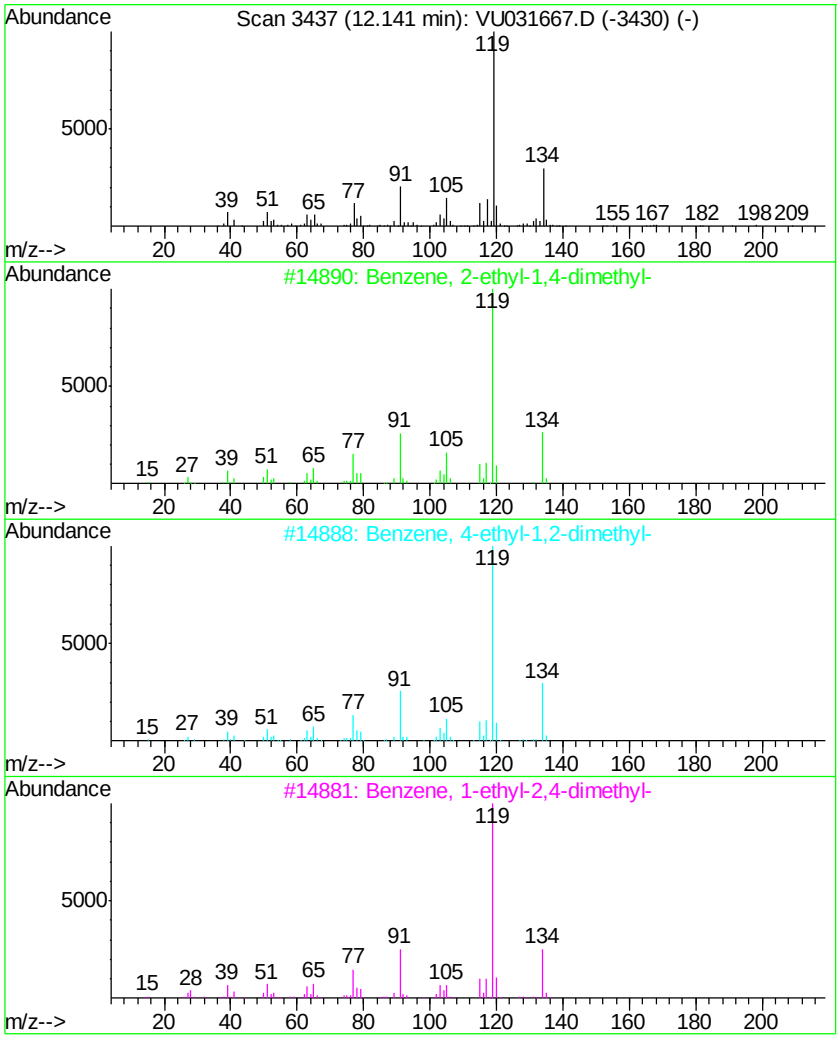
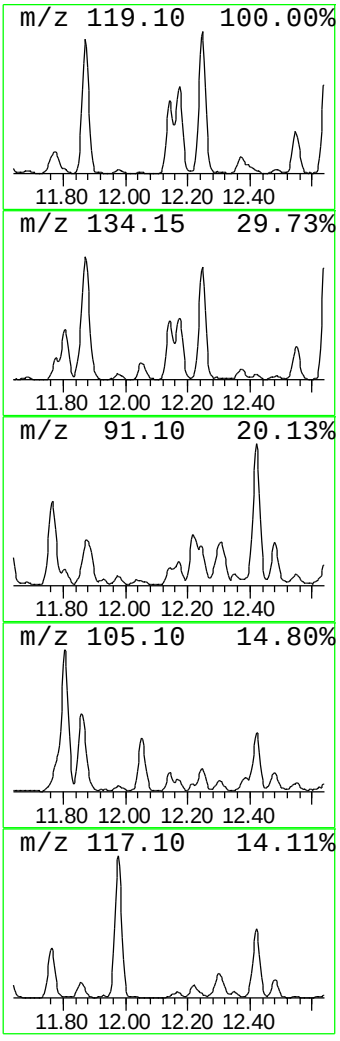
Peak Number 13 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.14	3.30 ug/L	194522	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	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	94
3	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	93
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	90
5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	90





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Operator : JC/SP
Sample : K2604-09 20X
Misc : 5.01g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 46 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ83

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

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

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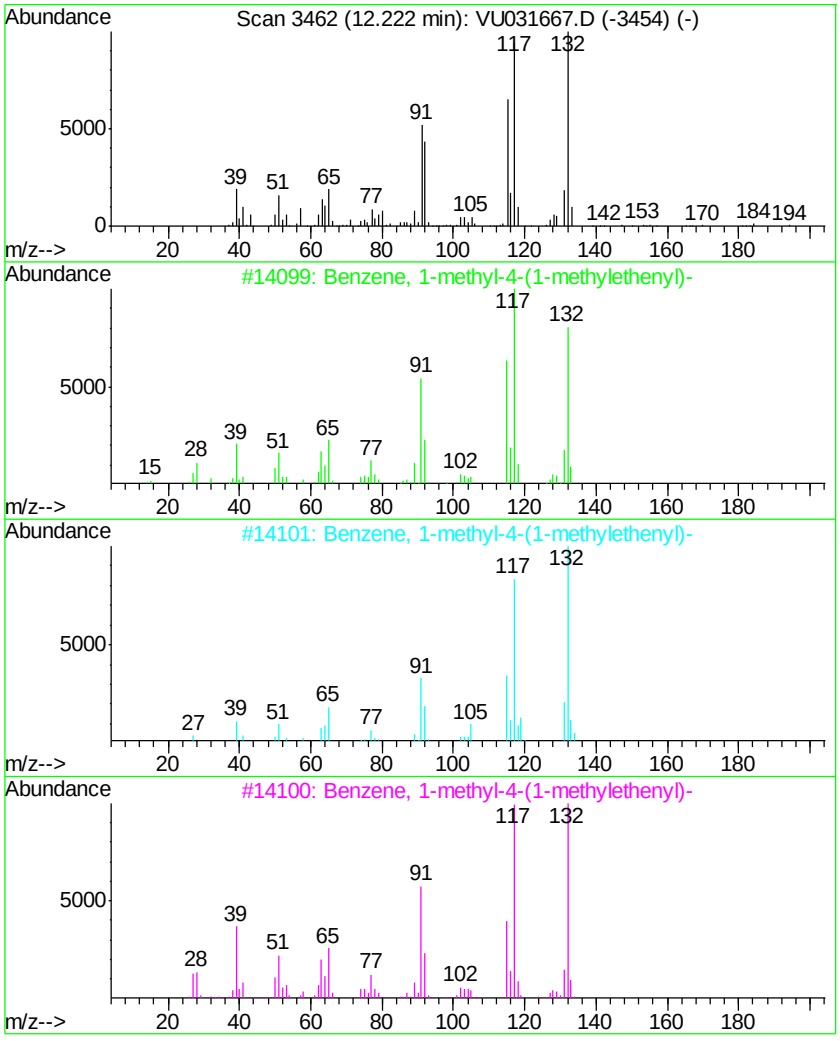
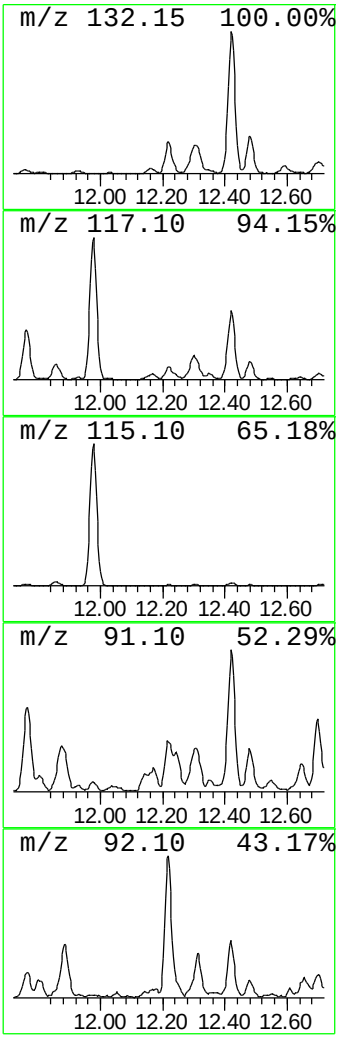
Peak Number 14 Benzene, 1-methyl-4-(1-meth... Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.22	6.56 ug/L	386268	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	94
2	Benzene, 1-methyl-4-(1-methyleth...	132	C10H12	001195-32-0	81
3	Benzene, 1-methyl-4-(1-methyleth...	132	C10H12	001195-32-0	81
4	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	76
5	1H-Indene, 2,3-dihydro-2-methyl-	132	C10H12	000824-63-5	76





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Operator : JC/SP
Sample : K2604-09 20X
Misc : 5.01g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 46 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ83

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

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

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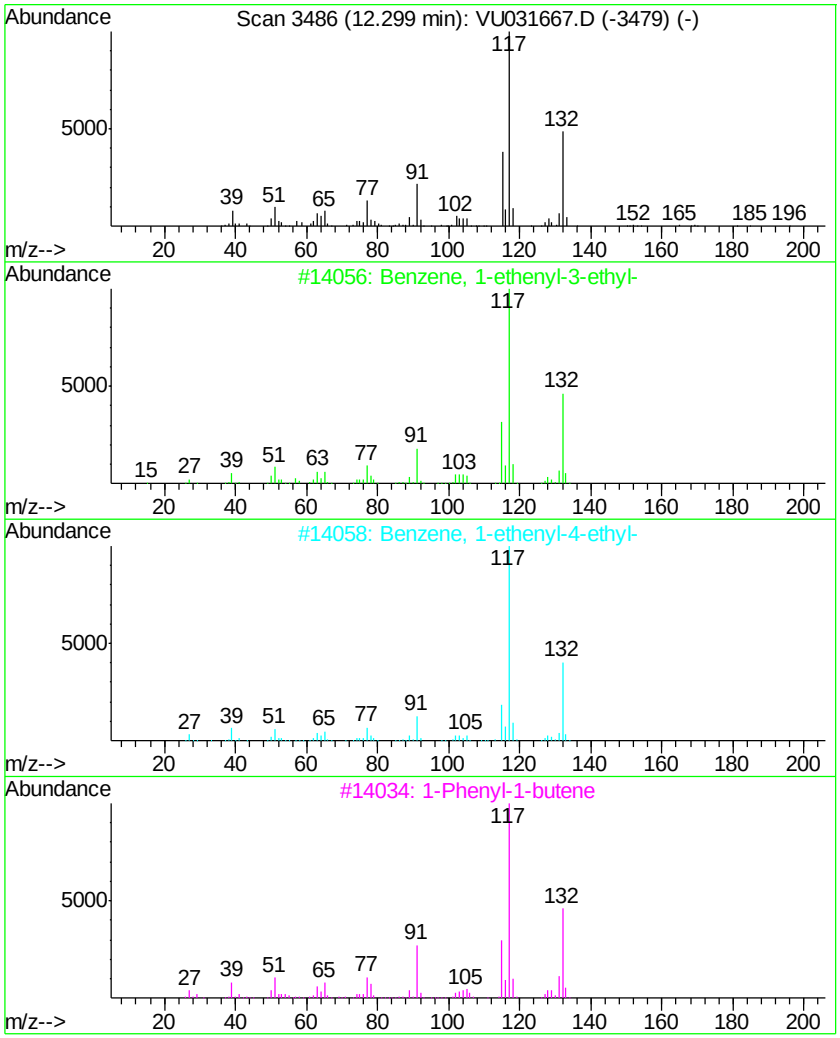
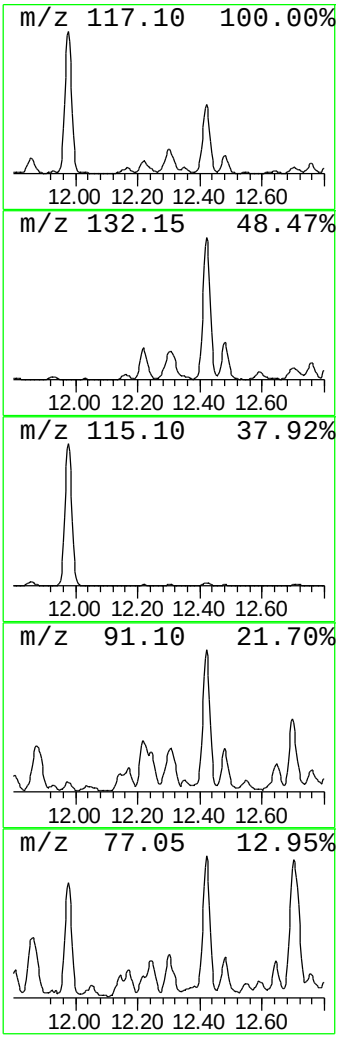
Peak Number 15 Benzene, 1-ethenyl-3-ethyl- Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.30	8.52 ug/L	501775	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	97
2	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	94
3	1-Phenyl-1-butene	132	C10H12	000824-90-8	94
4	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	93
5	Benzene, (2-methylcyclopropyl)-	132	C10H12	1000327-39-0	90





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Operator : JC/SP
Sample : K2604-09 20X
Misc : 5.01g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 46 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ83

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

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

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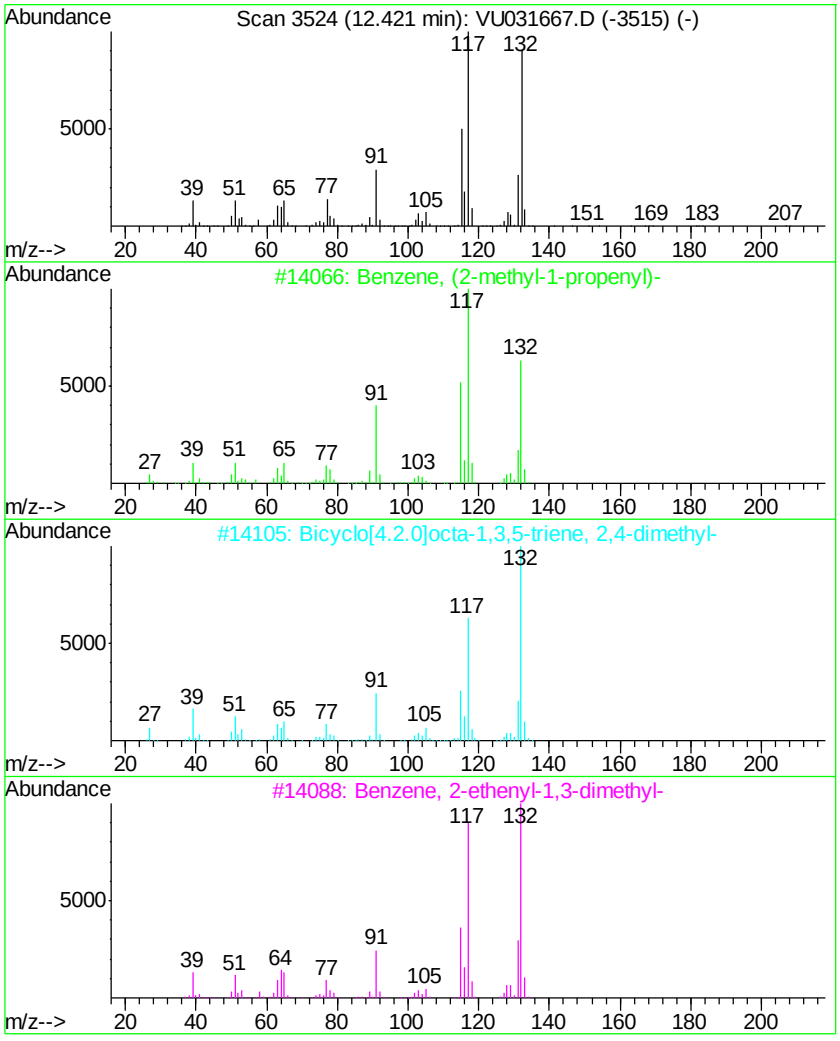
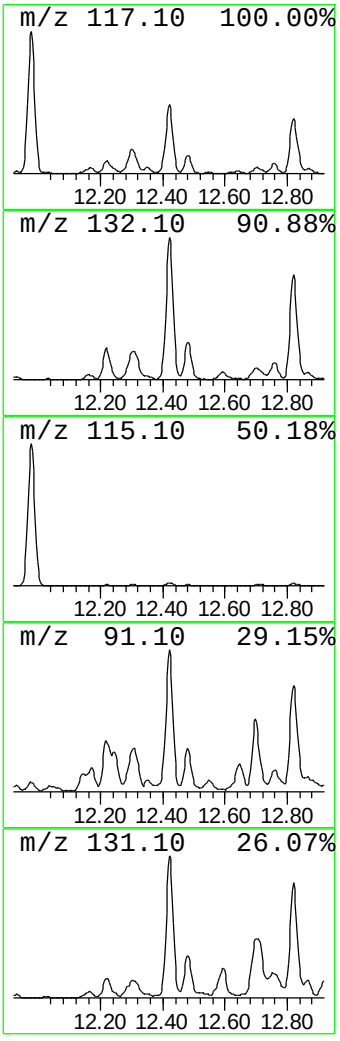
Peak Number 16 Benzene, (2-methyl-1-propen... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.42	31.34 ug/L	1844930	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	95
2	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	94
3	Benzene, 2-ethenyl-1,3-dimethyl-	132	C10H12	002039-90-9	94
4	2,4-Dimethylstyrene	132	C10H12	002234-20-0	94
5	Benzene, (1-methylenepropyl)-	132	C10H12	002039-93-2	94





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Operator : JC/SP
Sample : K2604-09 20X
Misc : 5.01g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 46 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ83

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

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

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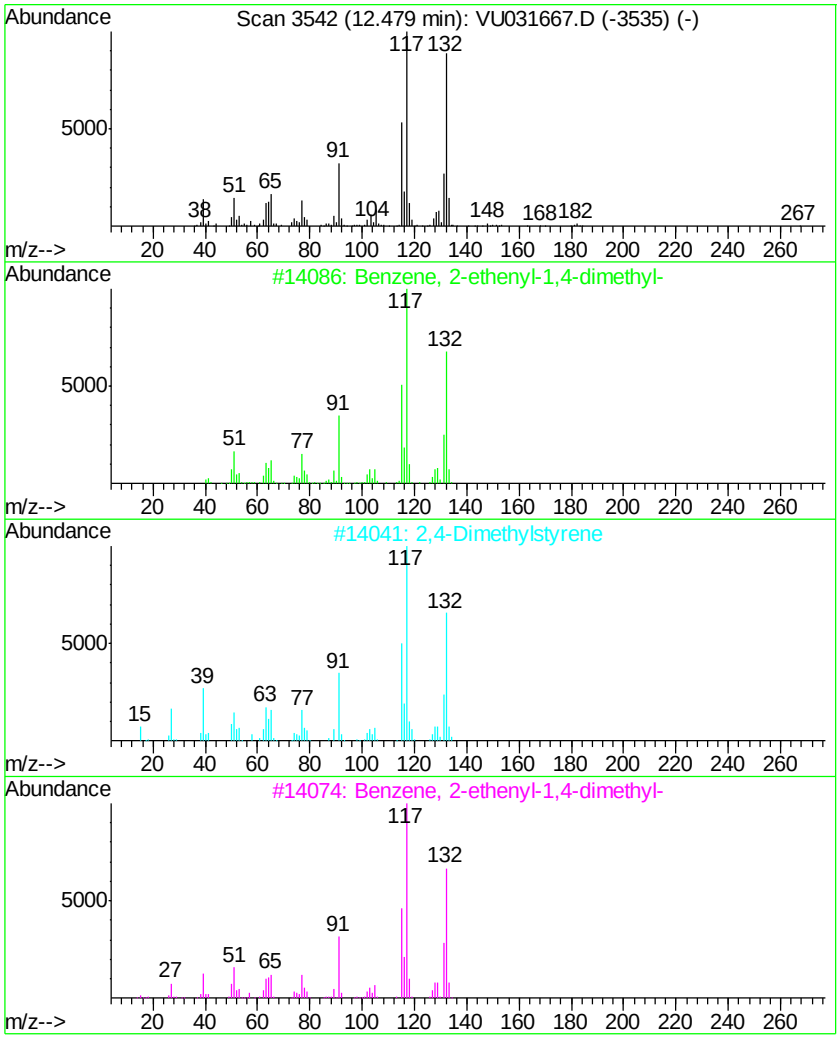
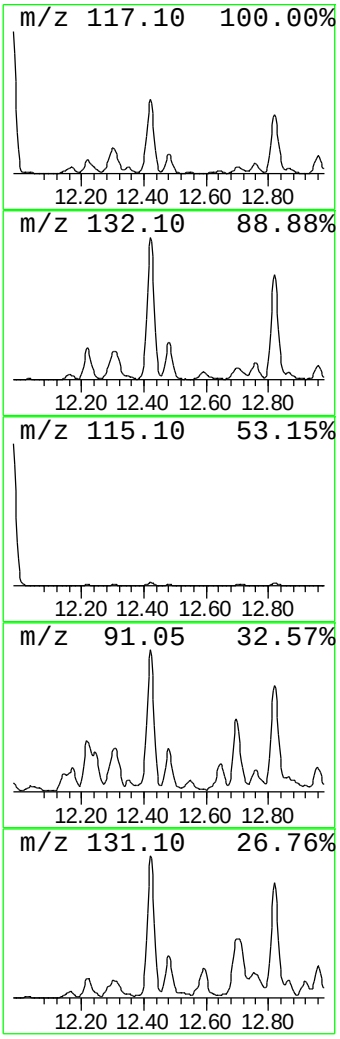
Peak Number 17 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.48	8.34 ug/L	491057	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	97
2	2,4-Dimethylstyrene	132	C10H12	002234-20-0	97
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	95
5	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	94





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Sample : K2604-09 20X
Misc : 5.01g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 46 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ83

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Quant Title : VOC Analysis

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

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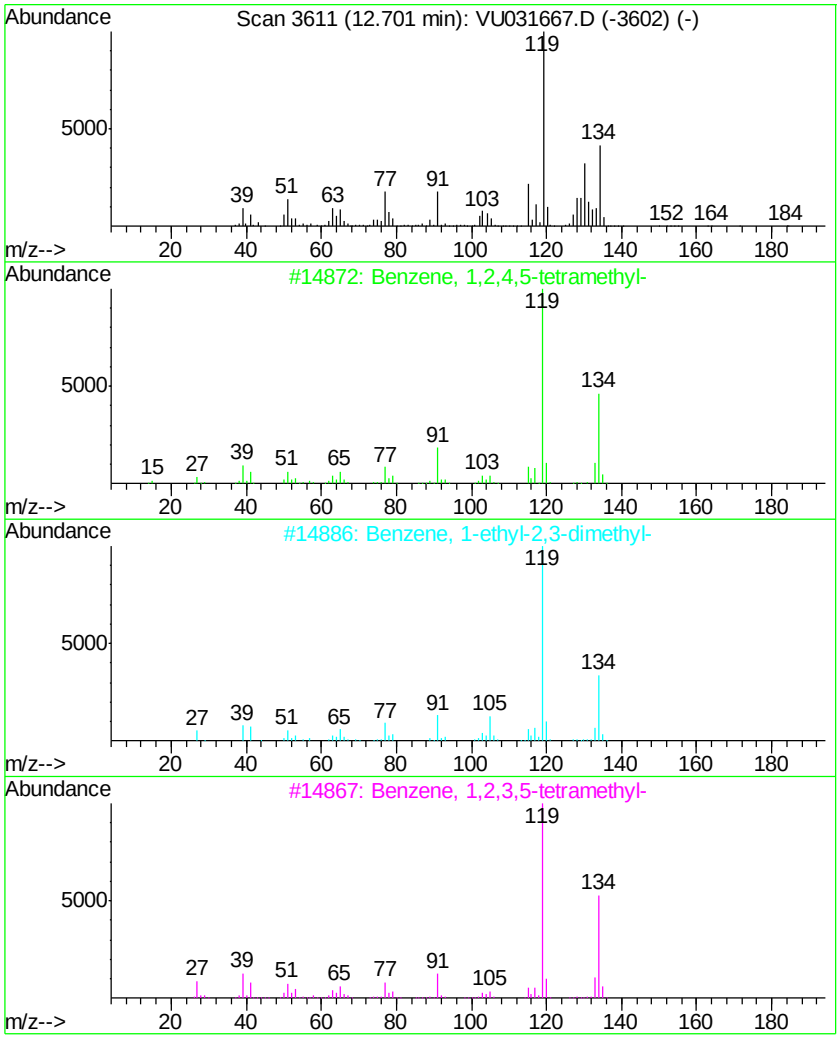
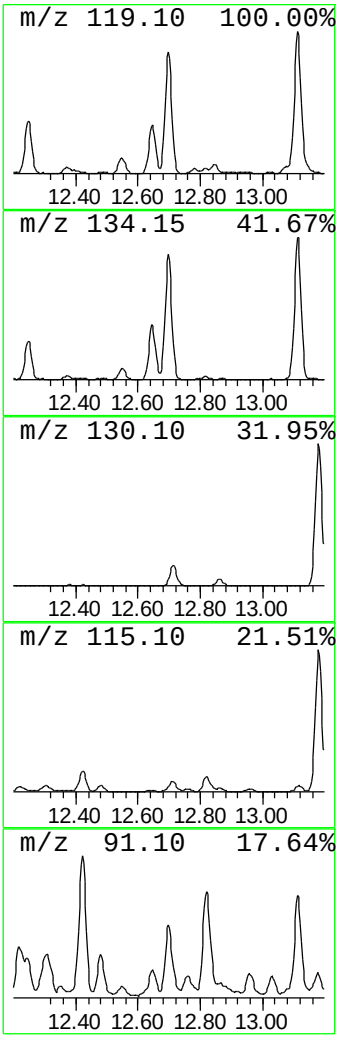
Peak Number 18 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.70	30.23 ug/L	1779820	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	55
2	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	55
3	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	46
4	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	46
5	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	46





Library Search Compound Report

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Sample : K2604-09 20X
Misc : 5.01g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 46 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ83

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Quant Title : VOC Analysis

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

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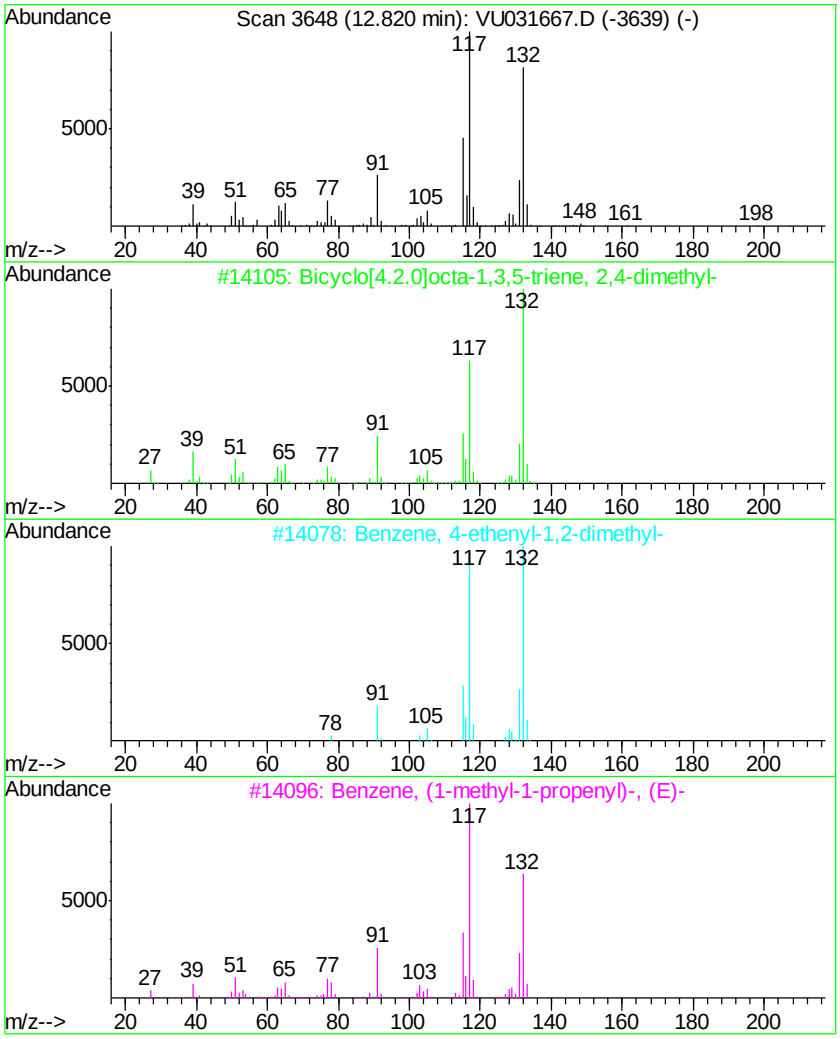
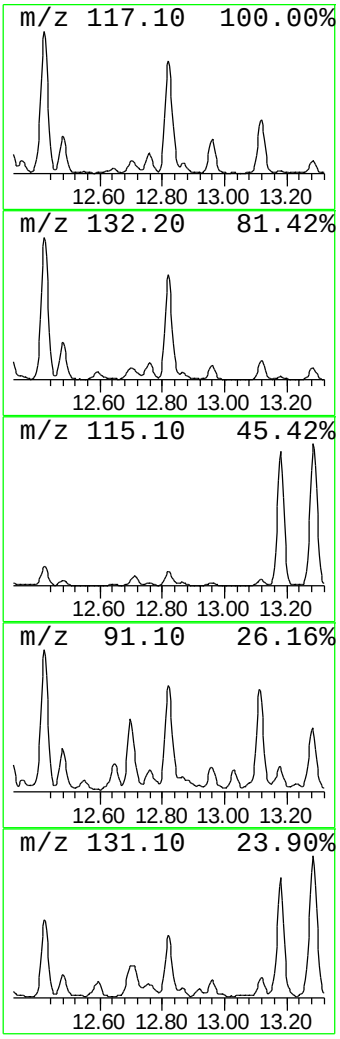
Peak Number 19 Bicyclo[4.2.0]octa-1,3,5-tr... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.82	25.85 ug/L	1521950	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	95
2	Benzene, 4-ethenyl-1,2-dimethyl-	132	C10H12	027831-13-6	95
3	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	94
4	Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	94
5	Benzene, 2-ethenyl-1,3-dimethyl-	132	C10H12	002039-90-9	94





Library Search Compound Report

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Data File : VU031667.D
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Operator : JC/SP
Sample : K2604-09 20X
Misc : 5.01g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 46 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ83

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

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

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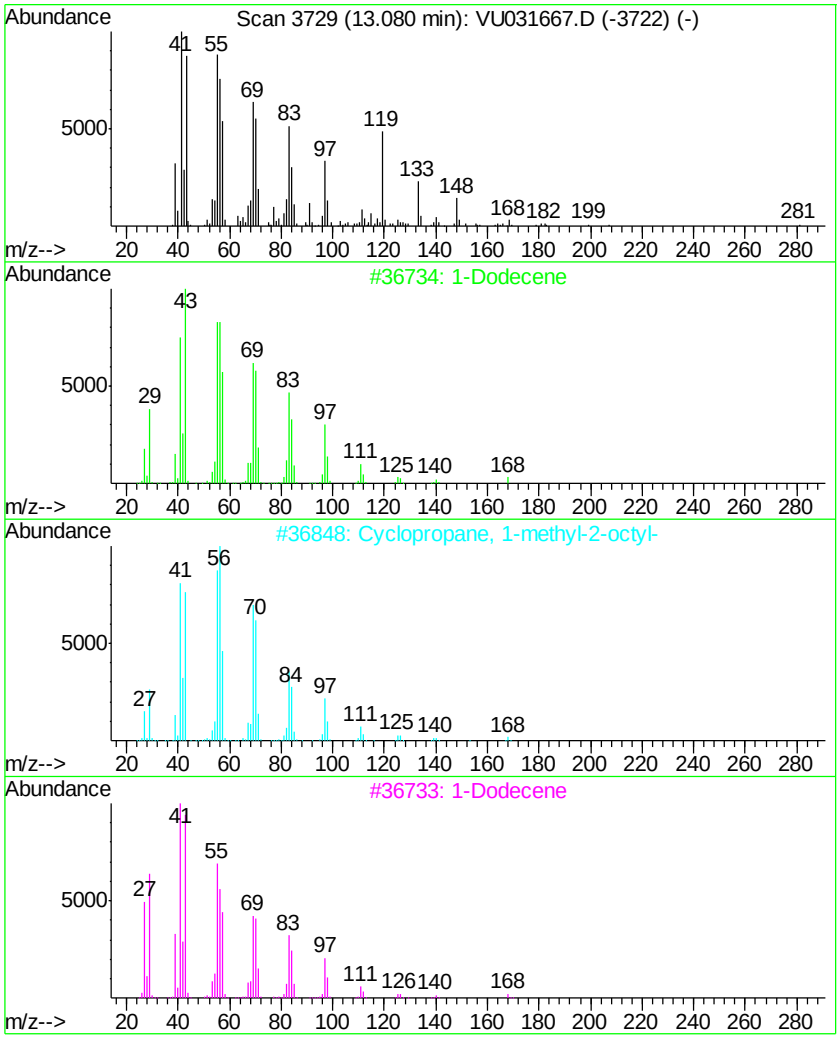
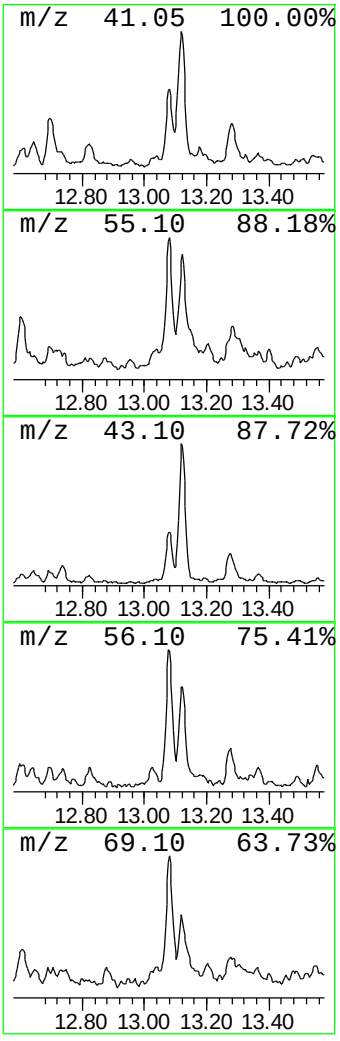
Peak Number 21 (DEL) Alkane: Cyclic13.08 Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.08	3.98 ug/L	234190	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Dodecene	168	C12H24	000112-41-4	98
2	Cyclopropane, 1-methyl-2-octyl-	168	C12H24	037617-26-8	90
3	1-Dodecene	168	C12H24	000112-41-4	89
4	Cyclodecane	140	C10H20	000293-96-9	83
5	4-Dodecene, (Z)-	168	C12H24	007206-27-1	76





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU043019\
Data File : VU031667.D
Acq On : 01 May 2019 04:54
Operator : JC/SP
Sample : K2604-09 20X
Misc : 5.01g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 46 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ83

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

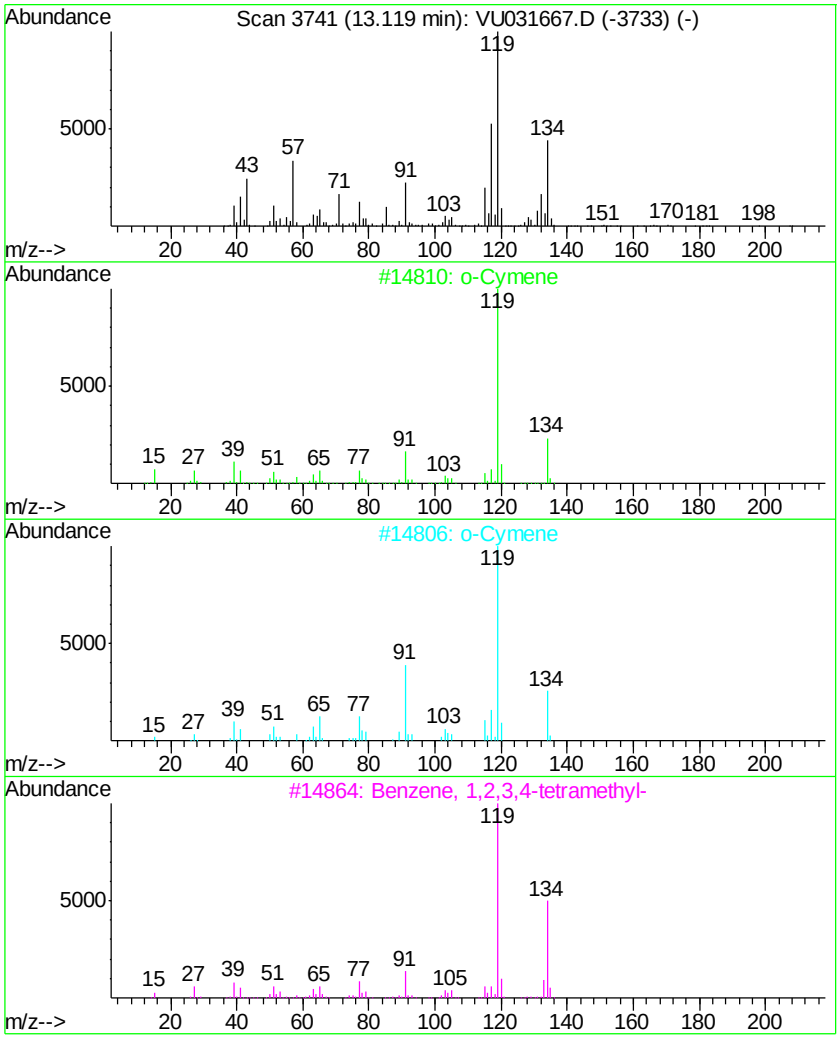
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

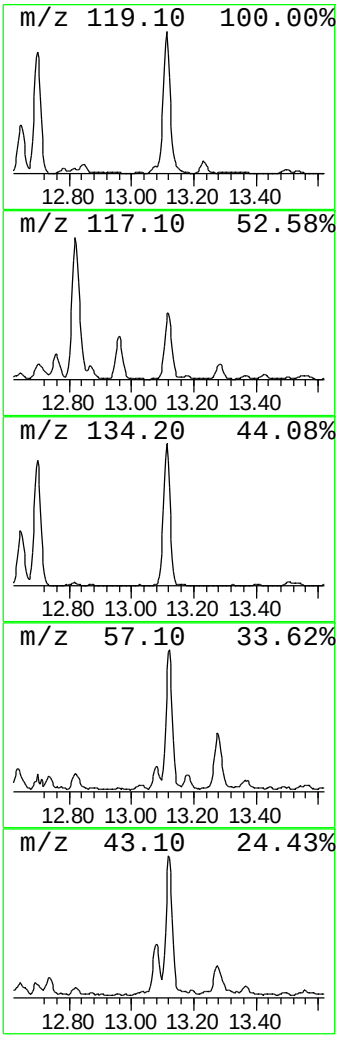
****

Peak Number 22 o-Cymene Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.12	28.52 ug/L	1679060	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	70
2	o-Cymene	134	C10H14	000527-84-4	70
3	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	70
4	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	70
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	70





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Data File : VU031667.D
Acq On : 01 May 2019 04:54
Operator : JC/SP
Sample : K2604-09 20X
Misc : 5.01g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 46 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ83

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

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

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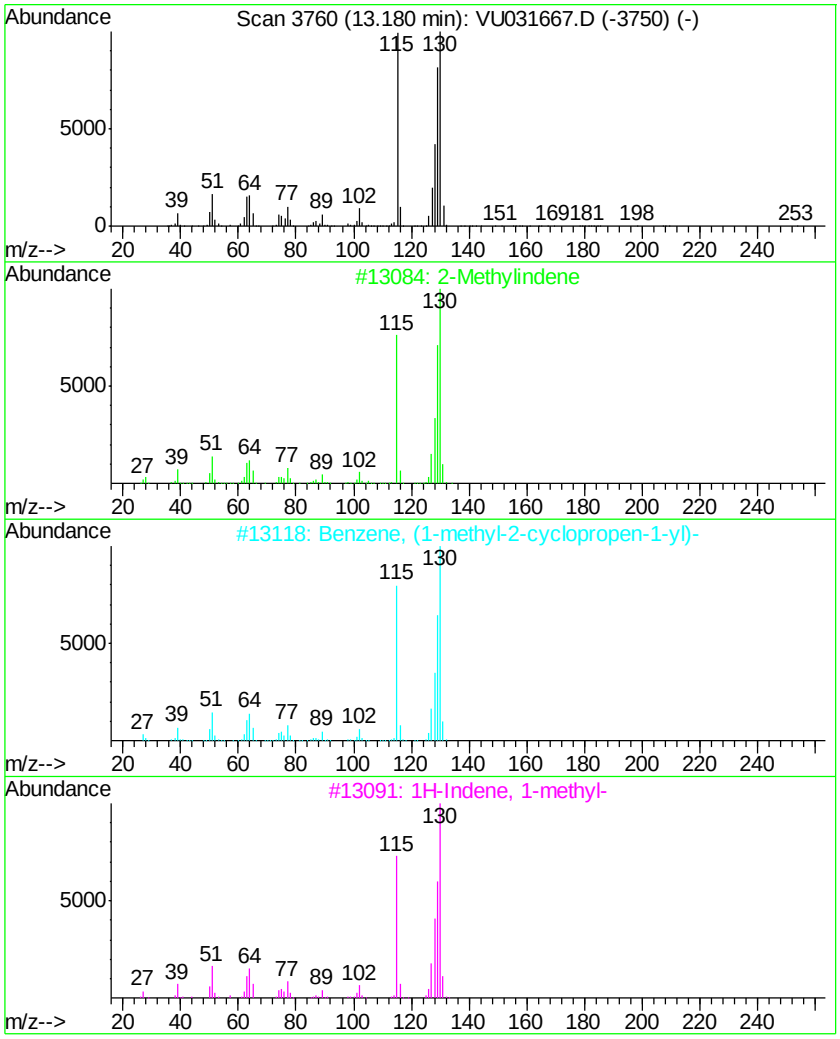
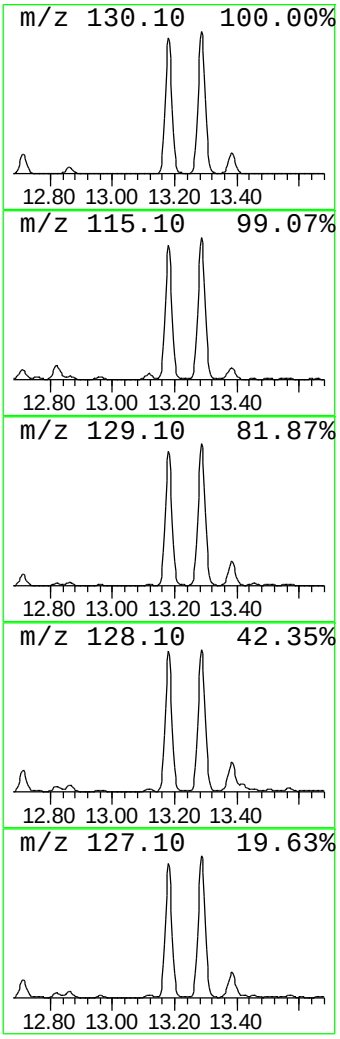
Peak Number 23 2-Methylindene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.18	111.77 ug/L	6579850	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	97
3	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	96
4	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	96
5	Benzene,1-methyl-1,2-propadienyl-	130	C10H10	022433-39-2	94





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Acq On : 01 May 2019 04:54
Operator : JC/SP
Sample : K2604-09 20X
Misc : 5.01g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 46 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ83

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

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

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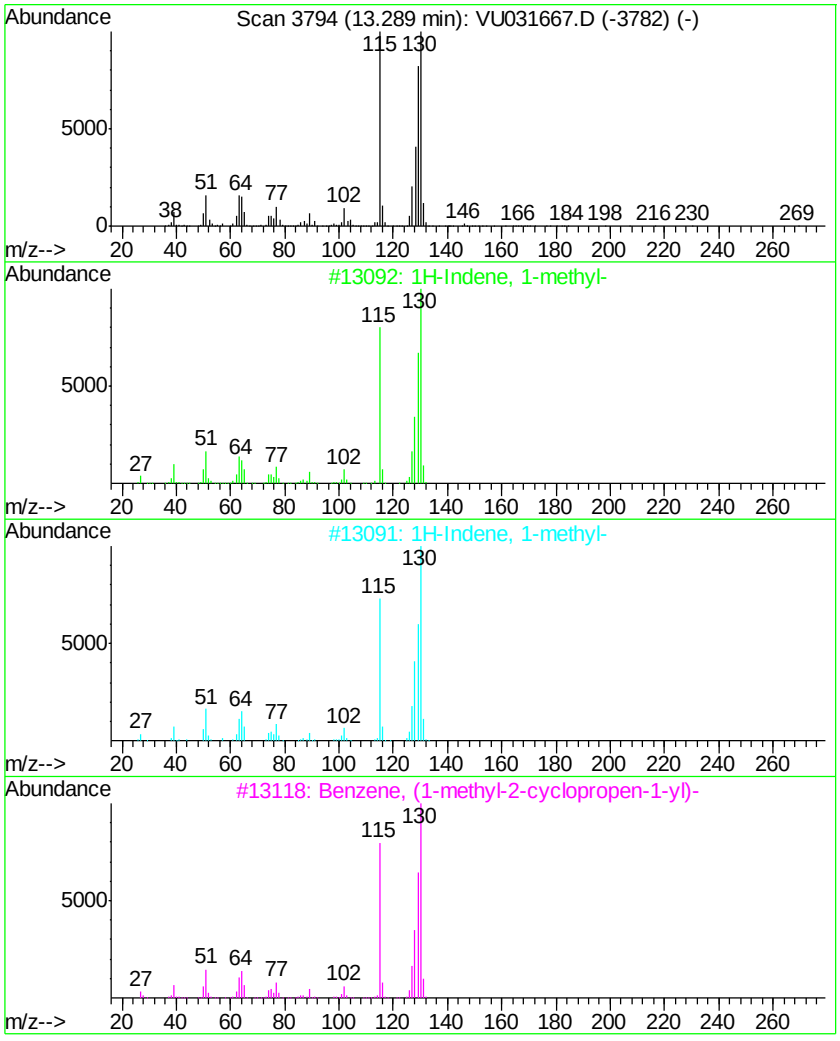
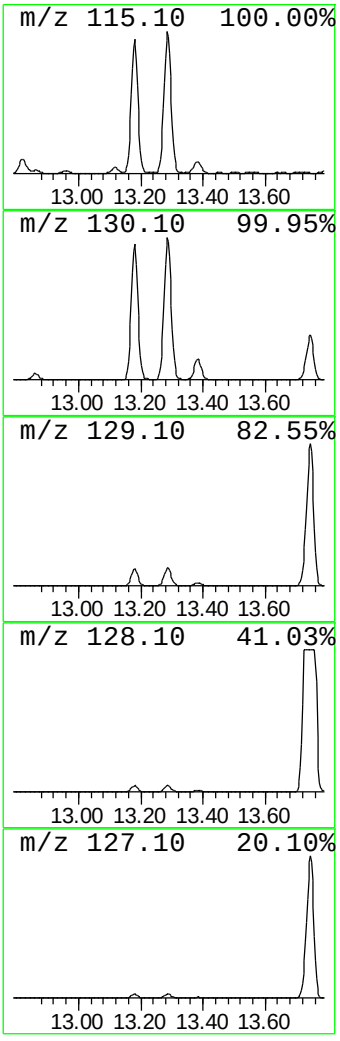
Peak Number 24 1H-Indene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.29	133.57 ug/L	7863250	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	96
2	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	96
3	Benzene, (1-methyl-2-cyclopropen...	130	C10H10	065051-83-4	96
4	2-Methylindene	130	C10H10	002177-47-1	96
5	Benzene,1-methyl-1,2-propadienyl-	130	C10H10	022433-39-2	95





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU043019\
Data File : VU031667.D
Acq On : 01 May 2019 04:54
Operator : JC/SP
Sample : K2604-09 20X
Misc : 5.01g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 46 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ83

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

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

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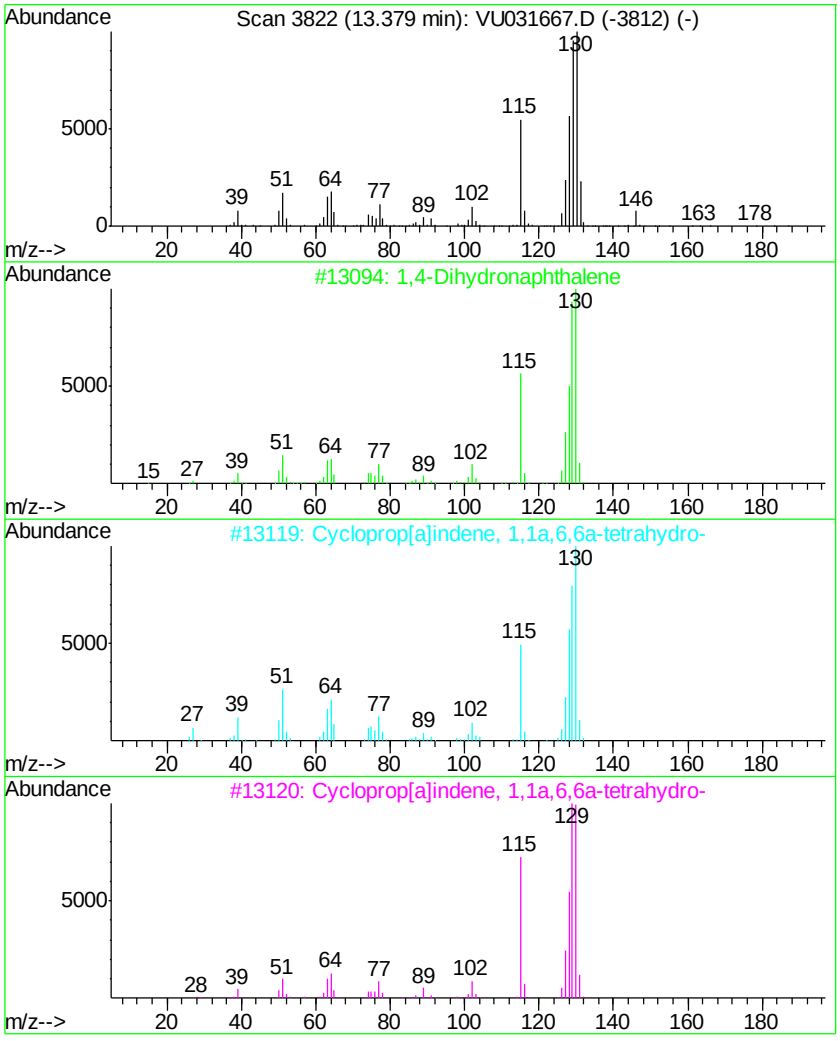
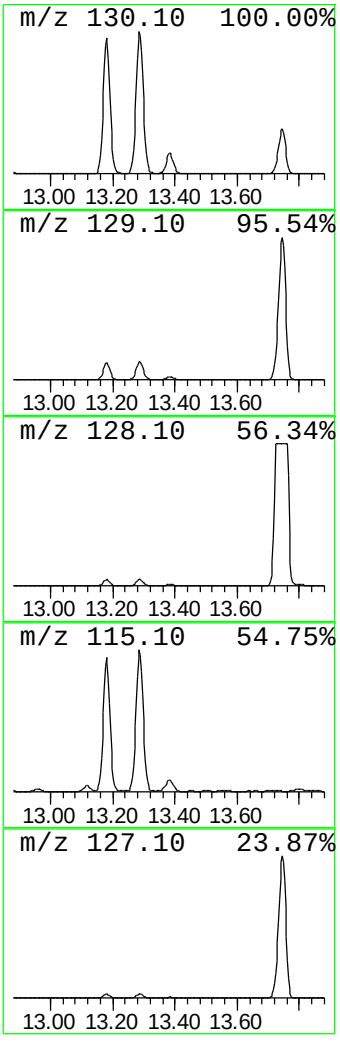
Peak Number 25 1,4-Dihydronaphthalene Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.38	21.45 ug/L	1263000	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	95
3	Cycloprop[a]indene, 1,1a,6,6a-te...	130	C10H10	015677-15-3	95
4	1,4-Dihydronaphthalene	130	C10H10	000612-17-9	93
5	Naphthalene, 1,2-dihydro-	130	C10H10	000447-53-0	93





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Data File : VU031667.D
Acq On : 01 May 2019 04:54
Operator : JC/SP
Sample : K2604-09 20X
Misc : 5.01g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 46 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ83

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

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

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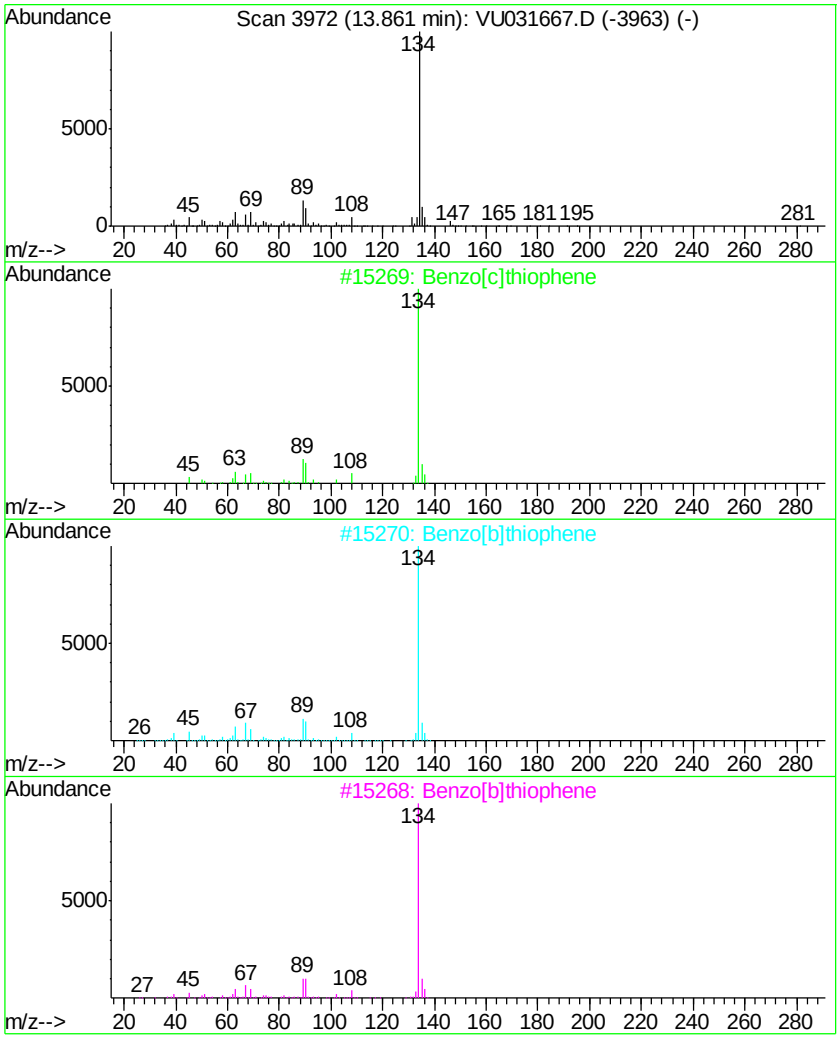
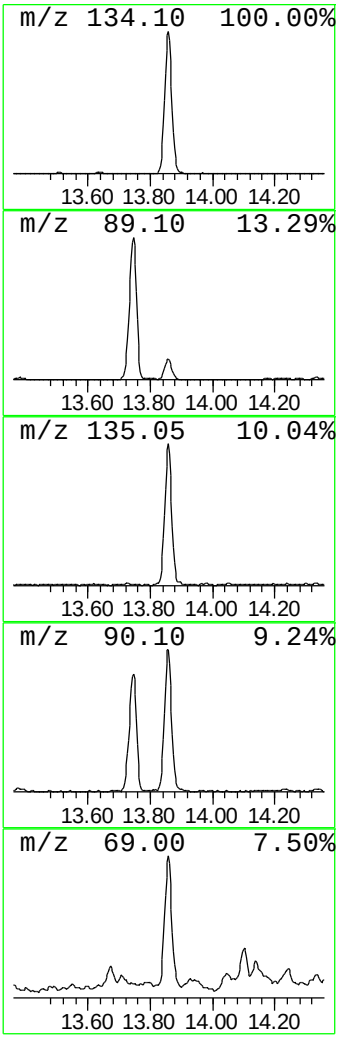
Peak Number 27 Benzo[c]thiophene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.86	32.65 ug/L	1921970	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[c]thiophene	134	C8H6S	000270-82-6	95
2	Benzo[b]thiophene	134	C8H6S	000095-15-8	95
3	Benzo[b]thiophene	134	C8H6S	000095-15-8	94
4	Cyclopenta[c]thiapyran	134	C8H6S	000270-63-3	93
5	Benzofuran, 2,3-dihydro-2-methyl-	134	C9H10O	001746-11-8	59





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Data File : VU031667.D
Acq On : 01 May 2019 04:54
Operator : JC/SP
Sample : K2604-09 20X
Misc : 5.01g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 46 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ83

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

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

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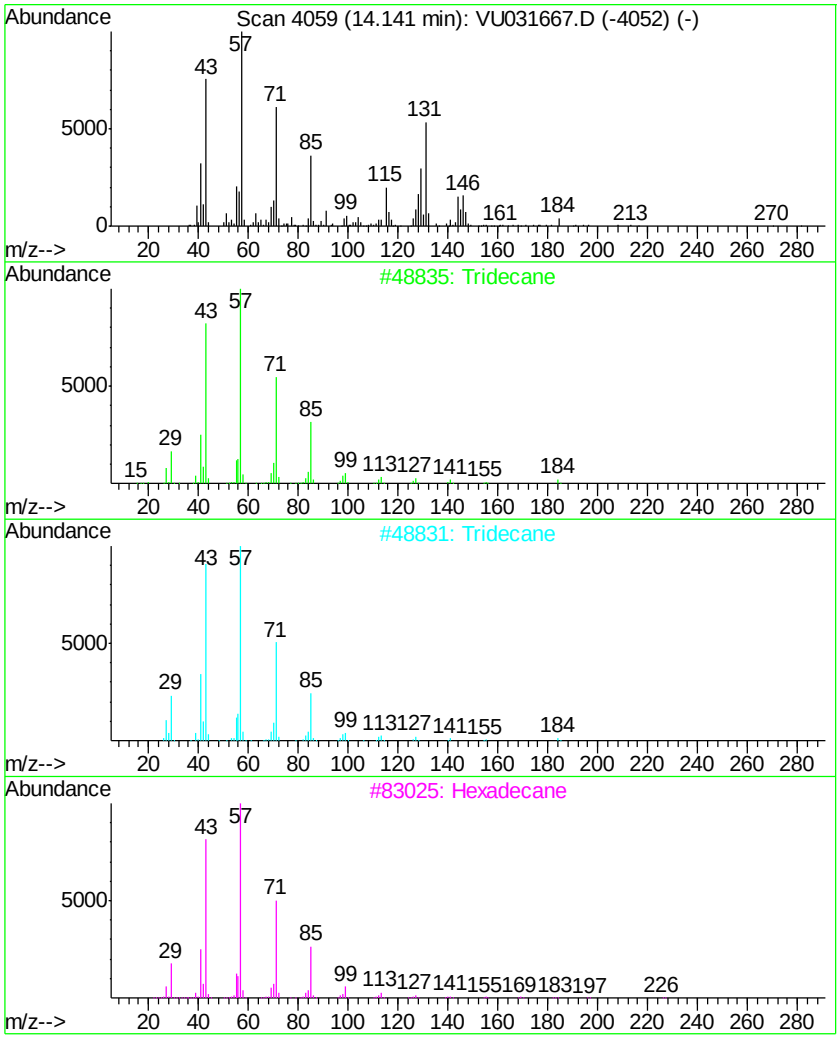
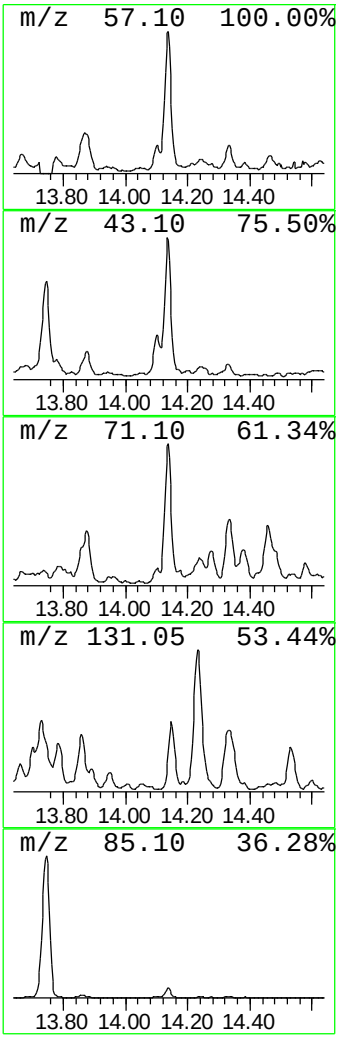
Peak Number 28 (DEL) Alkane: Straight-Chai... Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.14	6.28 ug/L	369815	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	64
2	Tridecane	184	C13H28	000629-50-5	45
3	Hexadecane	226	C16H34	000544-76-3	43
4	Tridecane	184	C13H28	000629-50-5	43
5	Hexadecane	226	C16H34	000544-76-3	43





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Data File : VU031667.D
Acq On : 01 May 2019 04:54
Operator : JC/SP
Sample : K2604-09 20X
Misc : 5.01g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 46 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ83

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

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

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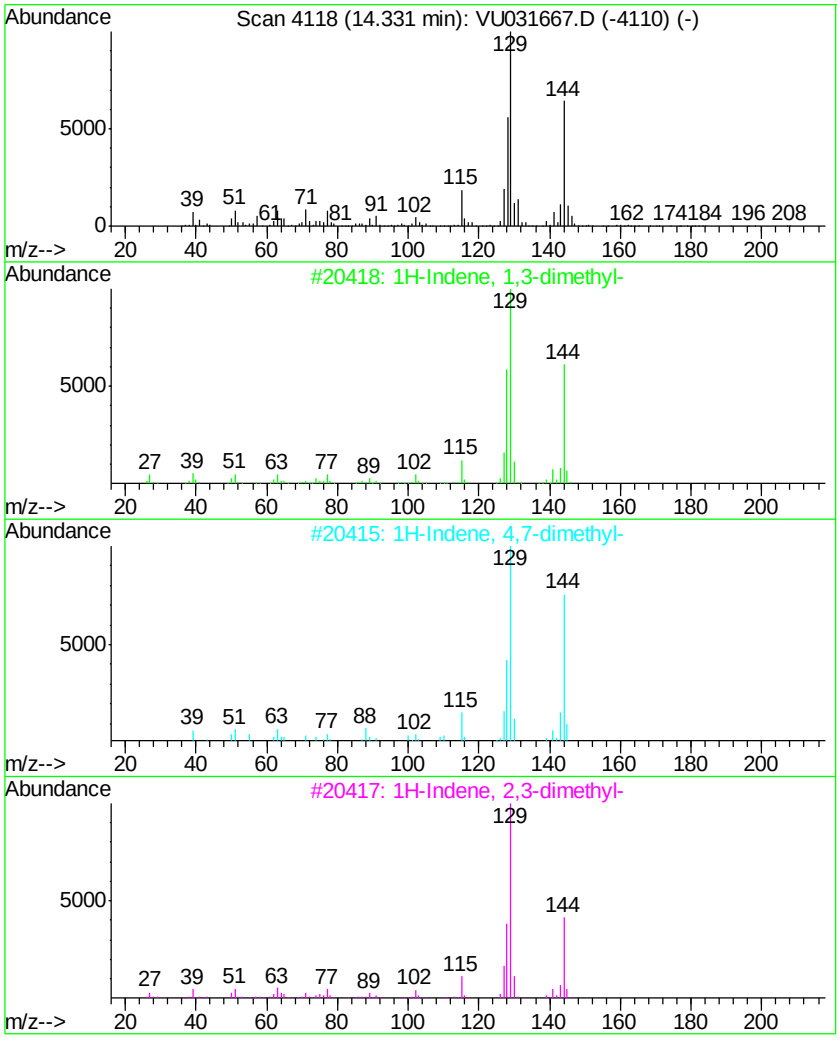
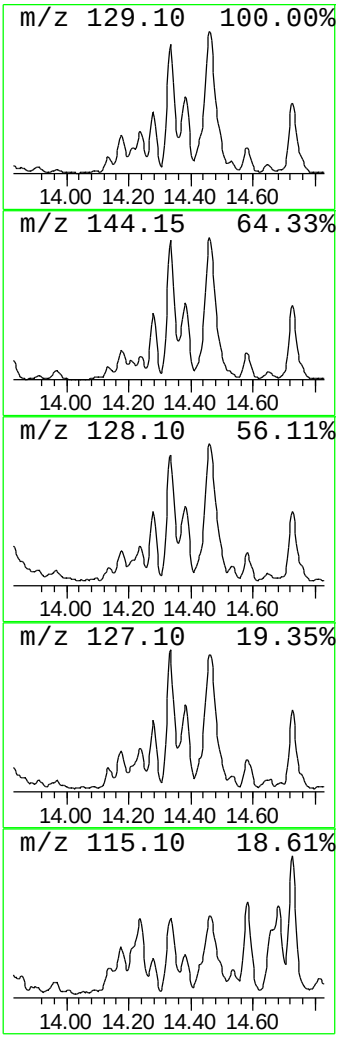
Peak Number 29 1H-Indene, 1,3-dimethyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.33	21.93 ug/L	1290890	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, 4,7-dimethyl-	144	C11H12	006974-97-6	90
3	1H-Indene, 2,3-dimethyl-	144	C11H12	004773-82-4	90
4	1H-Indene, 1,1-dimethyl-	144	C11H12	018636-55-0	87
5	1H-Cyclopropa[b]naphthalene, 1a,...	144	C11H12	006571-72-8	87





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Data File : VU031667.D
Acq On : 01 May 2019 04:54
Operator : JC/SP
Sample : K2604-09 20X
Misc : 5.01g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 46 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ83

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

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

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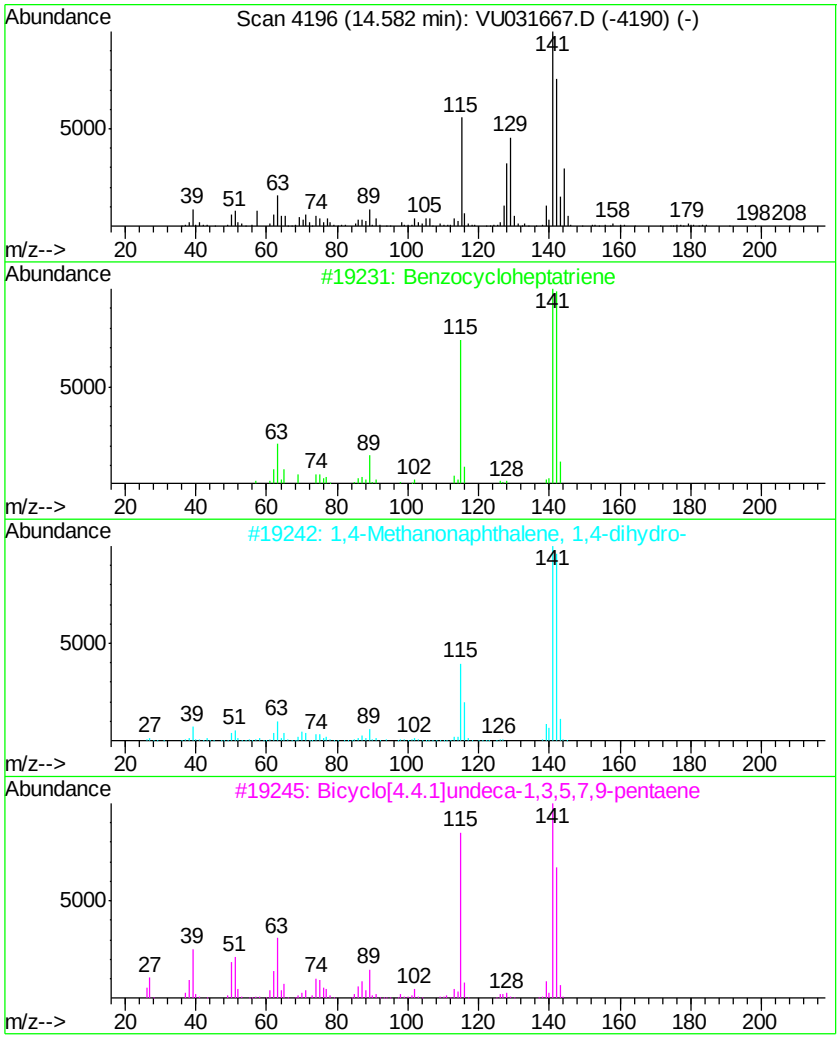
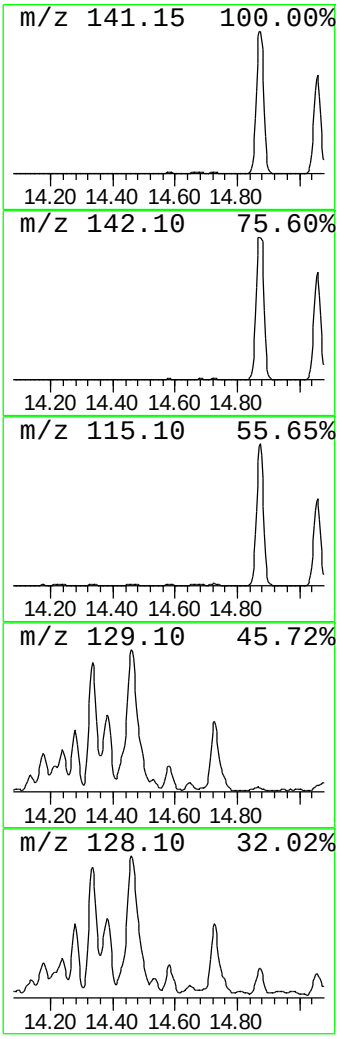
Peak Number 30 Benzocycloheptatriene Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.58	8.62 ug/L	507721	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzocycloheptatriene	142	C11H10	000264-09-5	91
2	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	86
3	Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	83
4	1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	70
5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	70





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU043019\
Data File : VU031667.D
Acq On : 01 May 2019 04:54
Operator : JC/SP
Sample : K2604-09 20X
Misc : 5.01g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 46 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ83

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

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

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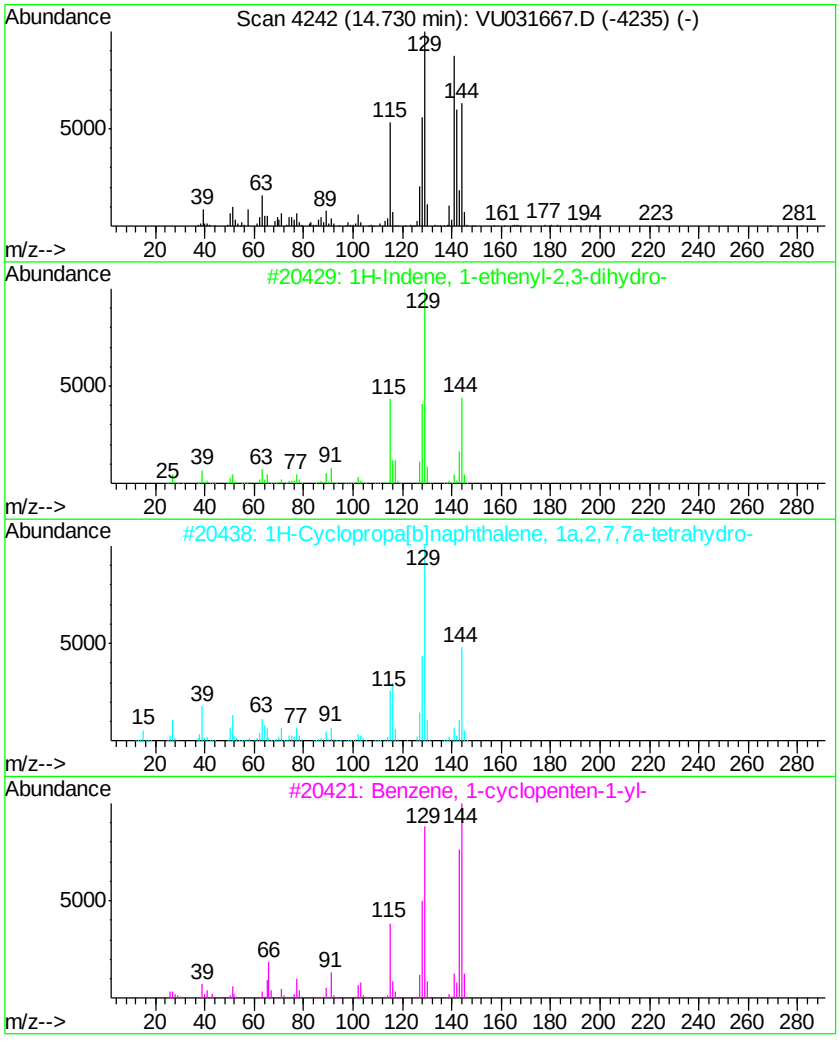
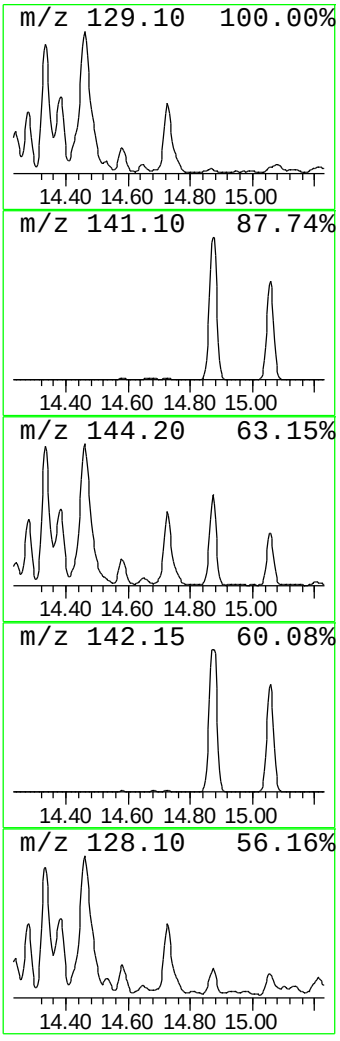
Peak Number 31 1H-Indene, 1-ethenyl-2,3-di... Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.73	18.58 ug/L	1094050	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 1-ethenyl-2,3-dihydro-	144	C11H12	051783-46-1	64
2	1H-Cyclopropa[b]naphthalene, 1a,...	144	C11H12	006571-72-8	60
3	Benzene, 1-cyclopenten-1-yl-	144	C11H12	000825-54-7	58
4	(1-Methylbuta-1,3-dienyl)benzene	144	C11H12	054758-36-0	55
5	1H-Indene, 1,3-dimethyl-	144	C11H12	002177-48-2	55





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Data File : VU031667.D
Acq On : 01 May 2019 04:54
Operator : JC/SP
Sample : K2604-09 20X
Misc : 5.01g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 46 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ83

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

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

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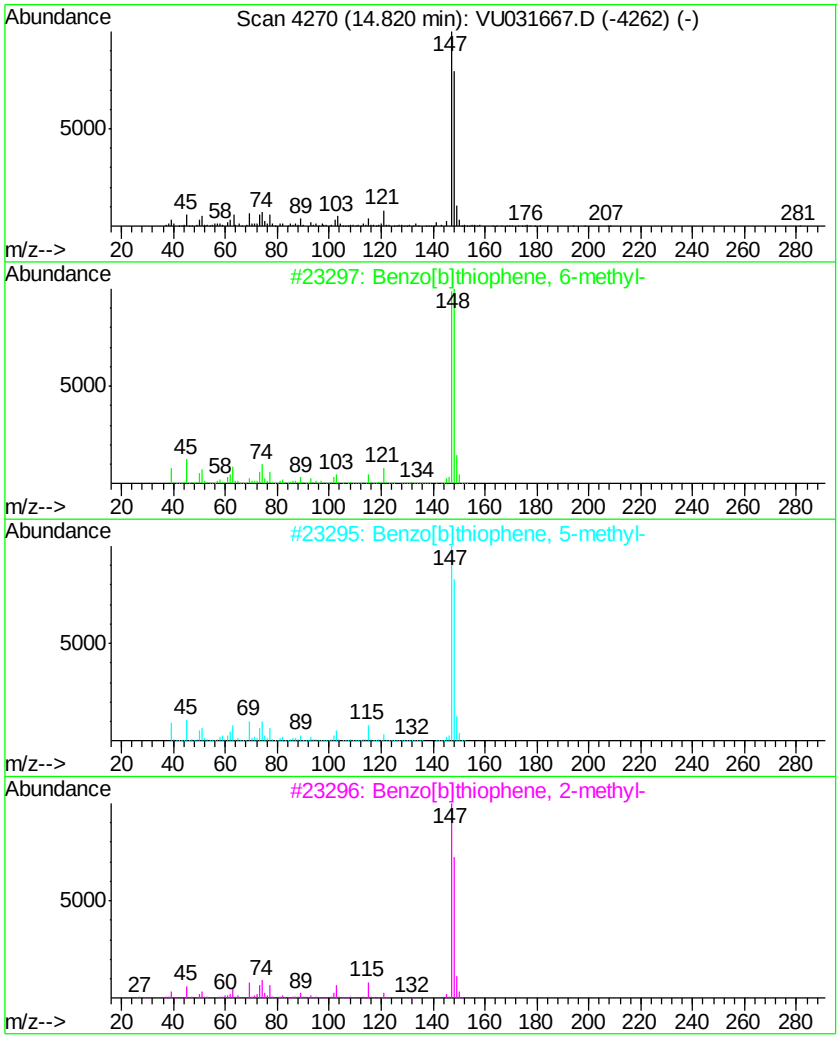
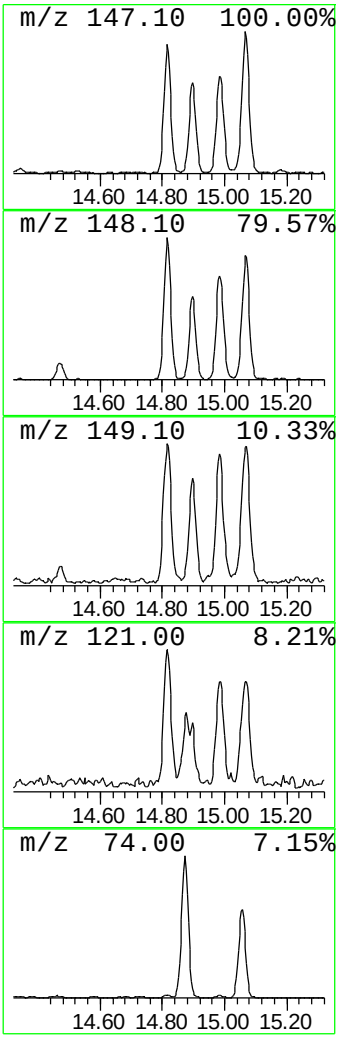
Peak Number 32 Benzo[b]thiophene, 6-methyl- Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.82	7.18 ug/L	422442	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]thiophene, 6-methyl-	148	C9H8S	016587-47-6	91
2	Benzo[b]thiophene, 5-methyl-	148	C9H8S	014315-14-1	91
3	Benzo[b]thiophene, 2-methyl-	148	C9H8S	001195-14-8	91
4	Benzo[b]thiophene, 4-methyl-	148	C9H8S	014315-11-8	91
5	Benzo[b]thiophene, 2-methyl-	148	C9H8S	001195-14-8	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU043019\
Data File : VU031667.D
Acq On : 01 May 2019 04:54
Operator : JC/SP
Sample : K2604-09 20X
Misc : 5.01g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 46 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ83

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

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

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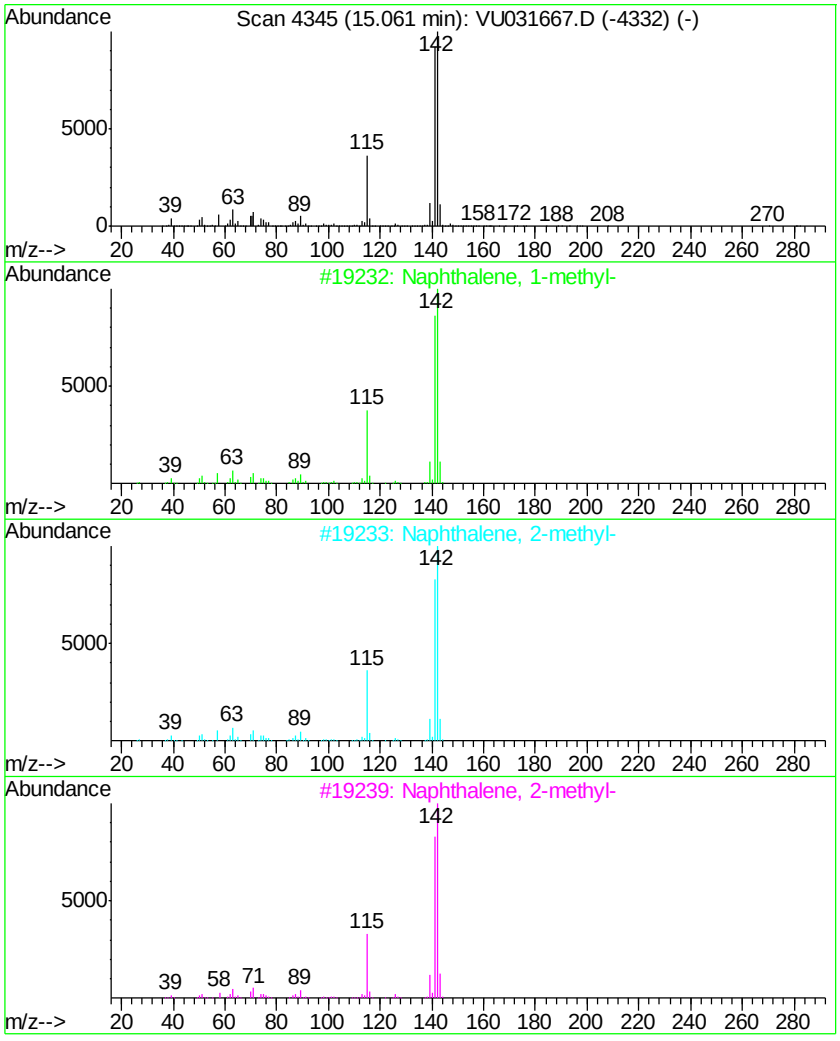
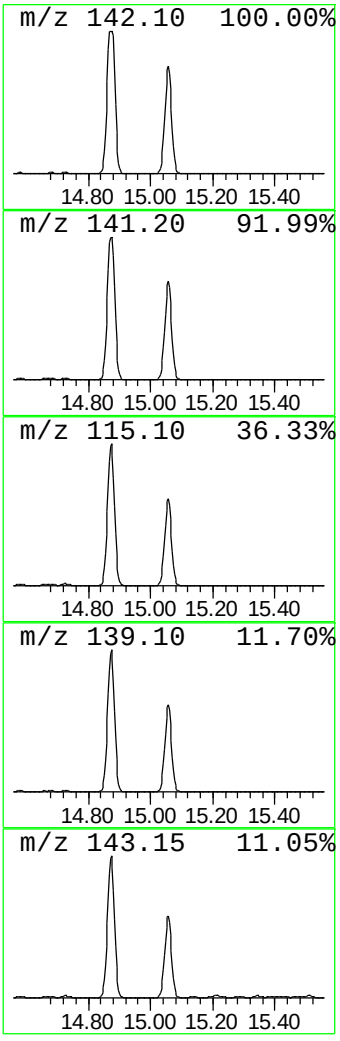
Peak Number 34 Naphthalene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.06	596.85 ug/L	35136500	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
3	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
4	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	93
5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	93





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU043019\
Data File : VU031667.D
Acq On : 01 May 2019 04:54
Operator : JC/SP
Sample : K2604-09 20X
Misc : 5.01g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 46 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ83

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

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

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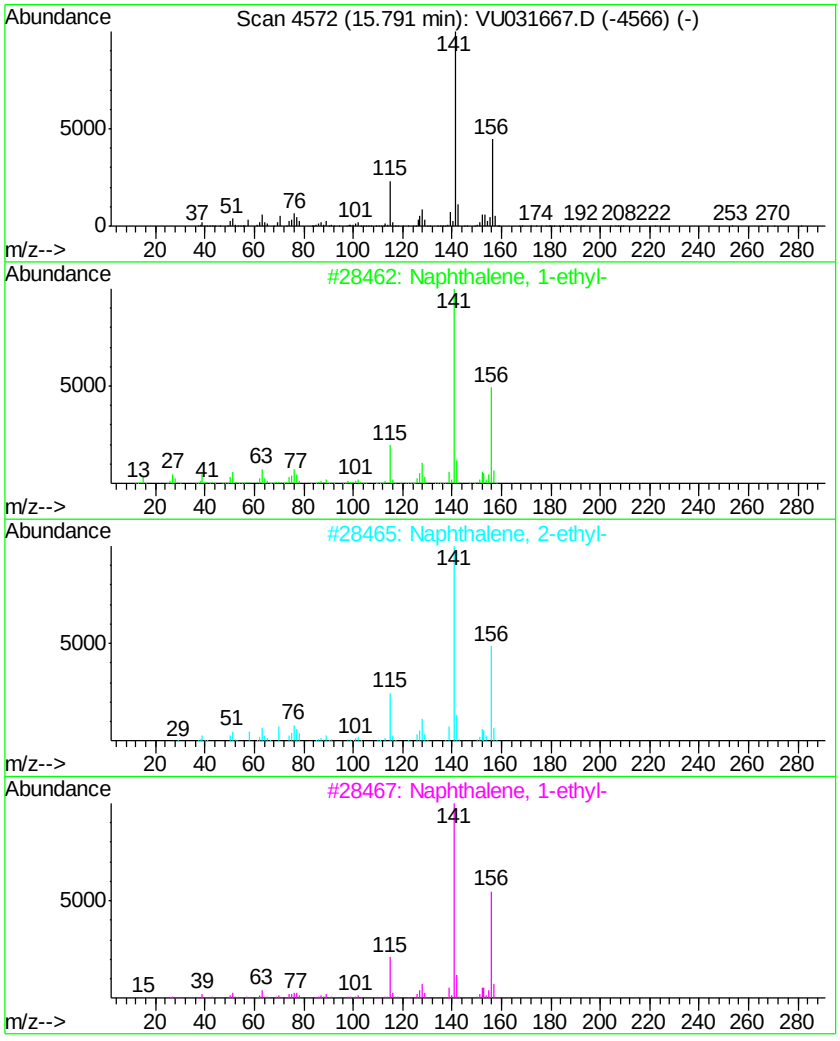
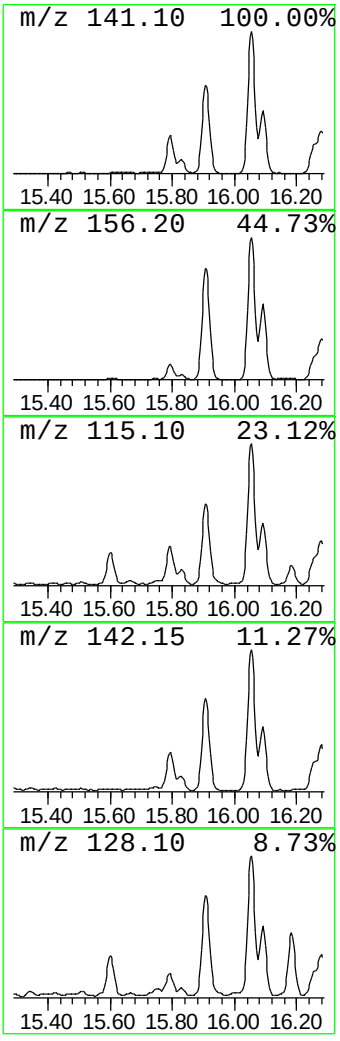
Peak Number 36 Naphthalene, 1-ethyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.79	21.31 ug/L	1254420	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	96
2	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	96
3	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	95
4	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	95
5	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	94





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU043019\
Data File : VU031667.D
Acq On : 01 May 2019 04:54
Operator : JC/SP
Sample : K2604-09 20X
Misc : 5.01g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 46 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ83

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

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

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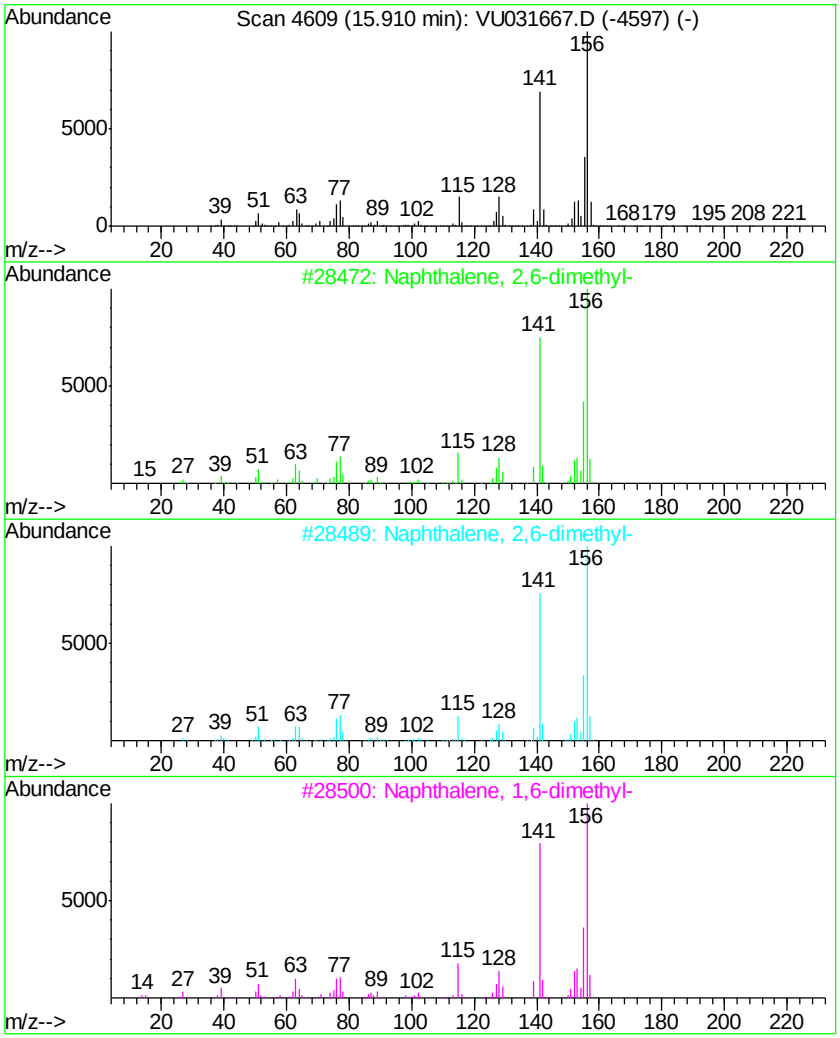
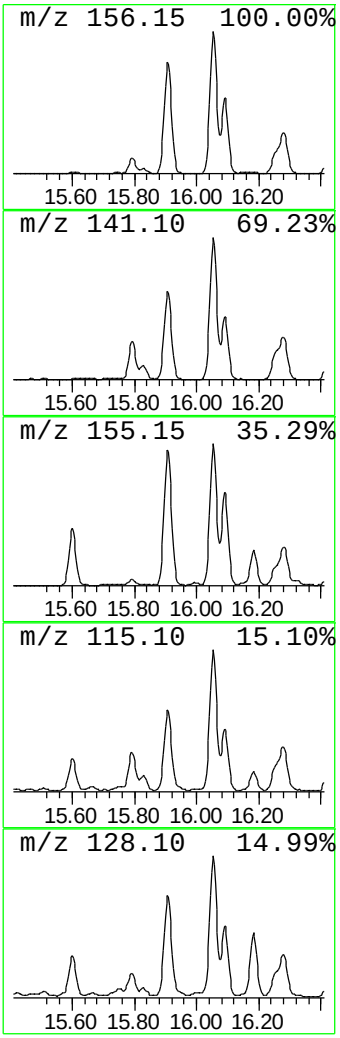
Peak Number 37 Naphthalene, 2,6-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.91	151.62 ug/L	8925940	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	98
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	98
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	98
4	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	98
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	98





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU043019\
Data File : VU031667.D
Acq On : 01 May 2019 04:54
Operator : JC/SP
Sample : K2604-09 20X
Misc : 5.01g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 46 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ83

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

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

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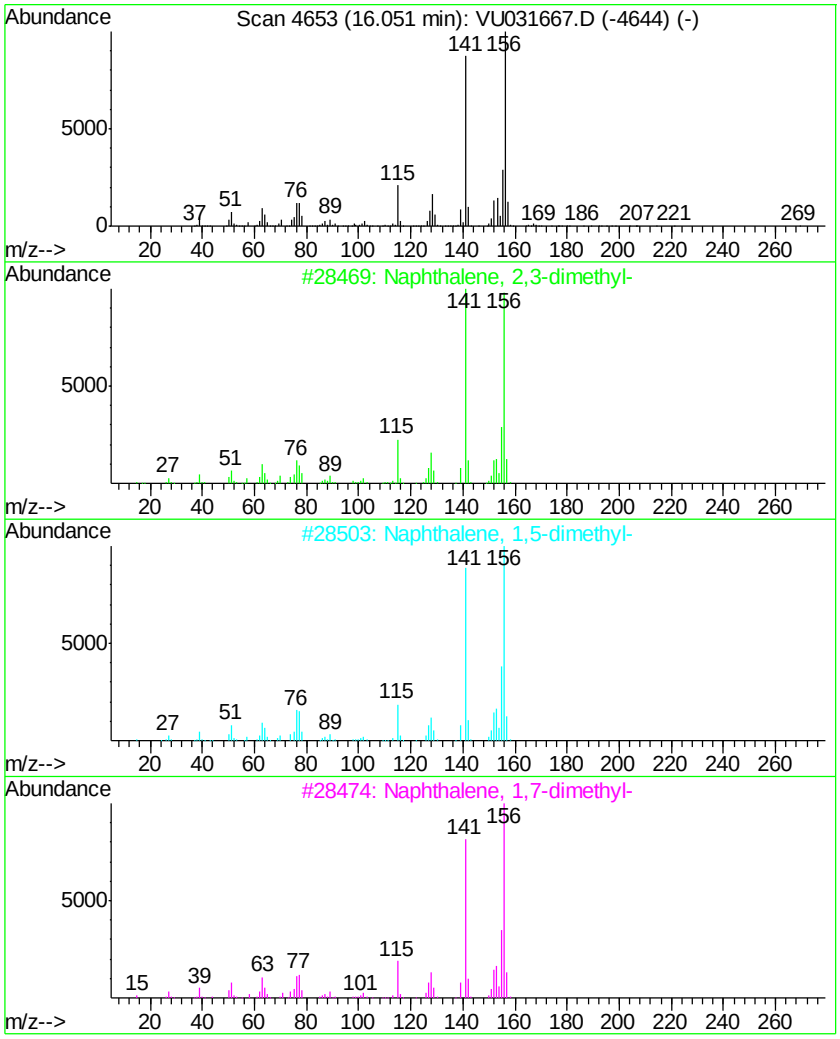
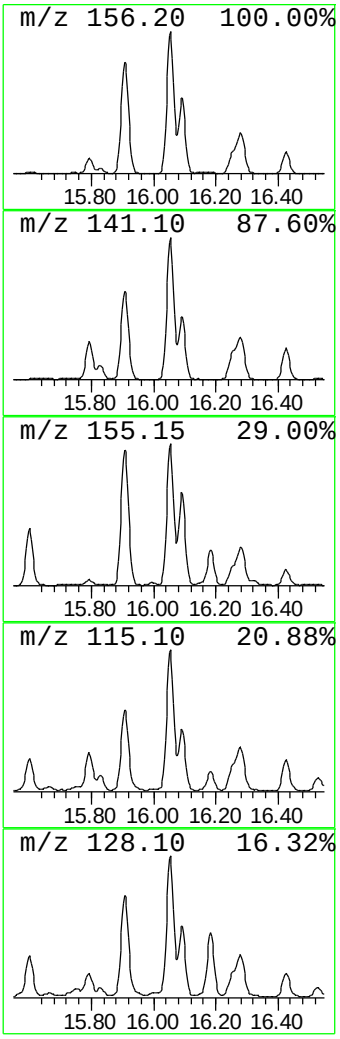
Peak Number 38 Naphthalene, 2,3-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.05	182.24 ug/L	10728100	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	98
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	98
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	98
5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	98





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU043019\
Data File : VU031667.D
Acq On : 01 May 2019 04:54
Operator : JC/SP
Sample : K2604-09 20X
Misc : 5.01g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 46 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ83

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

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

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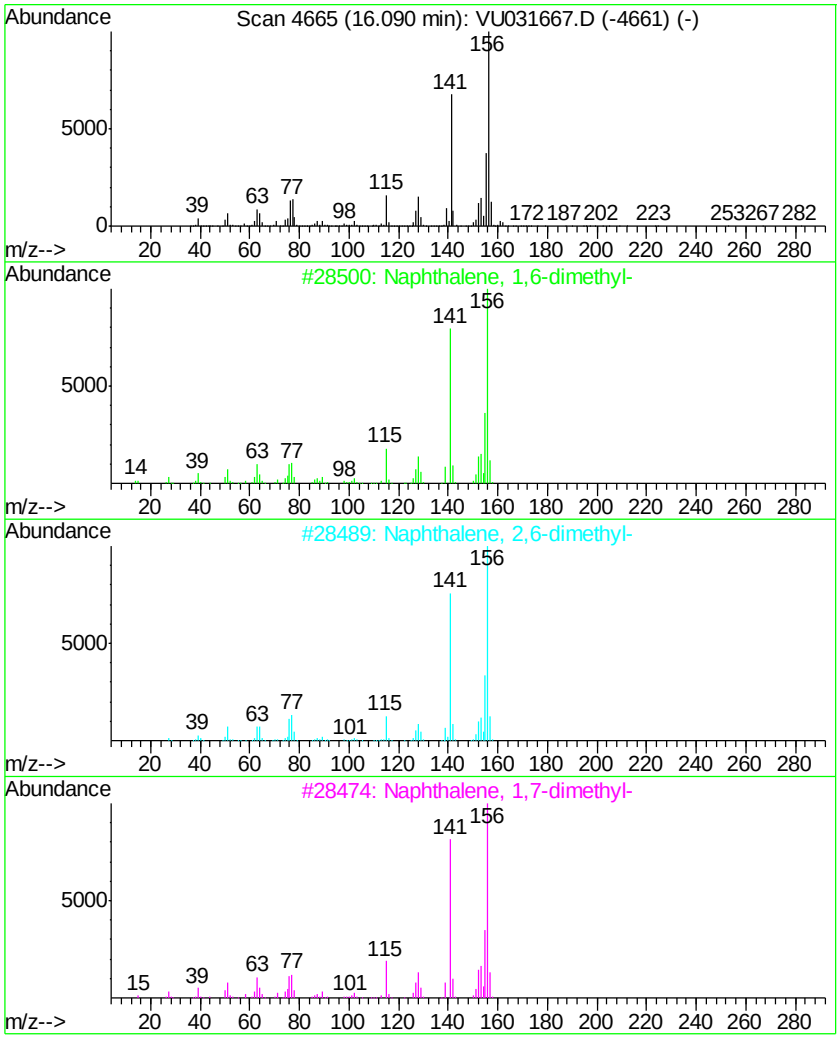
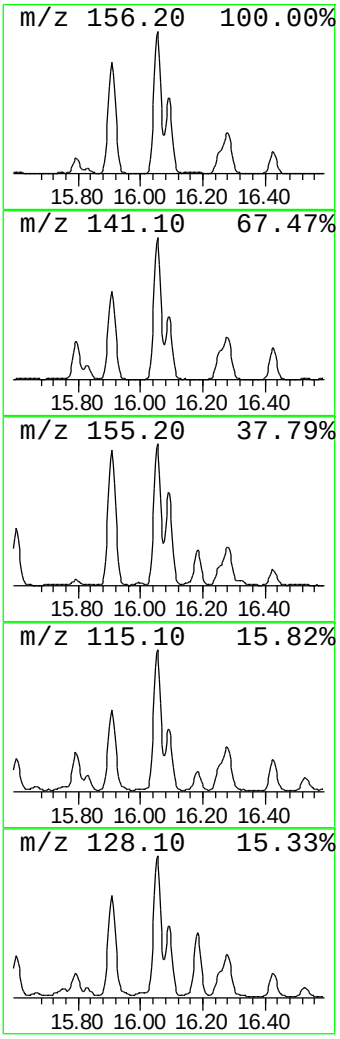
Peak Number 39 Naphthalene, 1,6-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.09	86.09 ug/L	5068210	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	98
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	98
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	98
4	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU043019\
Data File : VU031667.D
Acq On : 01 May 2019 04:54
Operator : JC/SP
Sample : K2604-09 20X
Misc : 5.01g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 46 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ83

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.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, propyl-	10.59	3.2	ug/L	187996	3	11.48	2943490	50.0
Benzene, 1-ethyl-...	10.68	18.6	ug/L	1093500	3	11.48	2943490	50.0
Benzene, 1,2,3-tr...	10.77	17.9	ug/L	1053400	3	11.48	2943490	50.0
.alpha.-Methylsty...	10.99	16.4	ug/L	963845	3	11.48	2943490	50.0
Benzene, 1-etheny...	11.21	104.6	ug/L	6160230	3	11.48	2943490	50.0
Benzene, 1-etheny...	11.62	16.2	ug/L	953073	3	11.48	2943490	50.0
Indane	11.76	16.5	ug/L	973001	3	11.48	2943490	50.0
Indene	11.98	466.1	ug/L	27436000	3	11.48	2943490	50.0
Benzene, 2-ethyl-...	12.14	3.3	ug/L	194522	3	11.48	2943490	50.0
Benzene, 1-methyl...	12.22	6.6	ug/L	386268	3	11.48	2943490	50.0
Benzene, 1-etheny...	12.30	8.5	ug/L	501775	3	11.48	2943490	50.0
Benzene, (2-methy...	12.42	31.3	ug/L	1844930	3	11.48	2943490	50.0
Benzene, 2-etheny...	12.48	8.3	ug/L	491057	3	11.48	2943490	50.0
Benzene, 1,2,4,5-...	12.70	30.2	ug/L	1779820	3	11.48	2943490	50.0
Bicyclo[4.2.0]oct...	12.82	25.9	ug/L	1521950	3	11.48	2943490	50.0
(DEL) Alkane: Cyc...	13.08	4.0	ug/L	234190	3	11.48	2943490	50.0
o-Cymene	13.12	28.5	ug/L	1679060	3	11.48	2943490	50.0
2-Methylindene	13.18	111.8	ug/L	6579850	3	11.48	2943490	50.0
1H-Indene, 1-methyl-	13.29	133.6	ug/L	7863250	3	11.48	2943490	50.0
1,4-Dihydronaphth...	13.38	21.4	ug/L	1263000	3	11.48	2943490	50.0
Benzo[c]thiophene	13.86	32.6	ug/L	1921970	3	11.48	2943490	50.0
(DEL) Alkane: Str...	14.14	6.3	ug/L	369815	3	11.48	2943490	50.0
1H-Indene, 1,3-di...	14.33	21.9	ug/L	1290890	3	11.48	2943490	50.0
Benzocycloheptatr...	14.58	8.6	ug/L	507721	3	11.48	2943490	50.0
1H-Indene, 1-ethe...	14.73	18.6	ug/L	1094050	3	11.48	2943490	50.0
Benzo[b]thiophene...	14.82	7.2	ug/L	422442	3	11.48	2943490	50.0
Naphthalene, 1-me...	15.06	596.9	ug/L	35136500	3	11.48	2943490	50.0
Naphthalene, 1-et...	15.79	21.3	ug/L	1254420	3	11.48	2943490	50.0
Naphthalene, 2,6-...	15.91	151.6	ug/L	8925940	3	11.48	2943490	50.0
Naphthalene, 2,3-...	16.05	182.2	ug/L	10728100	3	11.48	2943490	50.0
Naphthalene, 1,6-...	16.09	86.1	ug/L	5068210	3	11.48	2943490	50.0