LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU050119\
Data File : VU031689.D
Acq On : 01 May 2019 17:02
Operator : JC/SP
Sample : K2604-12DL 25X
Misc : 5.09g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ86DL

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	1.395	88	95	108	rBV	366339	395629	3.56%	0.468%
2	1.678	176	183	198	rVB	332018	412702	3.72%	0.488%
3	2.270	356	367	381	rVB	674722	1021471	9.20%	1.208%
4	2.588	463	466	469	rBV4	1155	968	0.01%	0.001%
5	2.688	493	497	499	rBV5	2081	1474	0.01%	0.002%
6	2.800	527	532	534	rVB2	1108	748	0.01%	0.001%
7	2.823	534	539	543	rVB4	884	822	0.01%	0.001%
8	2.890	554	560	563	rBV4	1485	1393	0.01%	0.002%
9	2.981	584	588	592	rBV2	1935	1664	0.01%	0.002%
10	3.006	592	596	598	rVB3	1336	993	0.01%	0.001%
11	3.045	606	608	612	rVB3	1219	908	0.01%	0.001%
12	3.177	647	649	653	rBV	1054	739	0.01%	0.001%
13	3.382	706	713	715	rBV3	1340	1055	0.01%	0.001%
14	3.521	753	756	759	rVB2	1198	723	0.01%	0.001%
15	3.550	763	765	767	rVB2	1559	754	0.01%	0.001%
16	3.575	767	773	775	rBV3	1038	969	0.01%	0.001%
17	3.656	796	798	802	rVV3	1109	883	0.01%	0.001%
18	3.743	820	825	830	rVB4	1042	959	0.01%	0.001%
19	3.765	830	832	836	rBV3	1126	862	0.01%	0.001%
20	3.868	857	864	871	rVB3	1818	2042	0.02%	0.002%
21	4.009	905	908	913	rVB6	1008	826	0.01%	0.001%
22	4.067	923	926	929	rBV3	1156	945	0.01%	0.001%
23	4.183	950	962	991	rBV	368249	1072572	9.66%	1.268%
24	4.643	1087	1105	1132	rBV	527039	1304546	11.75%	1.543%
25	4.990	1209	1213	1216	rVV5	1582	1405	0.01%	0.002%
26	5.032	1224	1226	1230	rBV3	995	676	0.01%	0.001%
27	5.070	1236	1238	1243	rVB3	1429	857	0.01%	0.001%
28	5.112	1247	1251	1253	rBV3	1134	963	0.01%	0.001%
29	5.167	1264	1268	1272	rBV4	1019	702	0.01%	0.001%
30	5.189	1272	1275	1283	rVB6	1246	1459	0.01%	0.002%
31	5.337	1296	1321	1356	rBV2	1109105	3410658	30.73%	4.033%
32	5.630	1409	1412	1417	rBV6	1122	1179	0.01%	0.001%
33	5.765	1451	1454	1457	rVB3	1887	1142	0.01%	0.001%
34	5.816	1466	1470	1473	rBV5	1310	1250	0.01%	0.001%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU050119\
Data File : VU031689.D
Acq On : 01 May 2019 17:02
Operator : JC/SP
Sample : K2604-12DL 25X
Misc : 5.09g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ86DL

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	5.881	1477	1490	1536	rBV2	1088634	2326332	20.96%	2.751%
36	6.180	1571	1583	1600	rBV9	15337	41483	0.37%	0.049%
37	6.260	1606	1608	1613	rVB4	1984	1423	0.01%	0.002%
38	6.328	1613	1629	1654	rBV	758656	1576823	14.21%	1.865%
39	6.627	1717	1722	1727	rVV6	1760	1825	0.02%	0.002%
40	6.665	1727	1734	1739	rVB8	1875	2735	0.02%	0.003%
41	6.739	1754	1757	1760	rBV3	1511	993	0.01%	0.001%
42	6.787	1769	1772	1777	rVB5	1026	711	0.01%	0.001%
43	6.874	1793	1799	1800	rBV4	1158	946	0.01%	0.001%
44	6.890	1801	1804	1806	rVV4	2098	1705	0.02%	0.002%
45	6.919	1810	1813	1817	rVV3	1763	1593	0.01%	0.002%
46	6.942	1817	1820	1824	rVB4	1919	1189	0.01%	0.001%
47	7.058	1854	1856	1862	rBV4	951	957	0.01%	0.001%
48	7.225	1895	1908	1937	rBV	407991	785221	7.07%	0.929%
49	7.424	1967	1970	1973	rBV5	1274	968	0.01%	0.001%
50	7.562	1999	2013	2029	rBV	1385504	2515020	22.66%	2.974%
51	7.848	2091	2102	2125	rBV	272910	509534	4.59%	0.603%
52	8.141	2187	2193	2196	rVB5	1192	1193	0.01%	0.001%
53	8.160	2196	2199	2201	rBV3	1460	818	0.01%	0.001%
54	8.180	2201	2205	2208	rVB3	1875	1324	0.01%	0.002%
55	8.238	2220	2223	2225	rVV4	890	627	0.01%	0.001%
56	8.308	2233	2245	2282	rBV	1293333	2449968	22.07%	2.897%
57	8.697	2362	2366	2368	rBV3	1939	1454	0.01%	0.002%
58	8.807	2398	2400	2405	rVB3	1715	1154	0.01%	0.001%
59	8.900	2423	2429	2430	rBV4	1849	1856	0.02%	0.002%
60	8.987	2452	2456	2458	rVB3	1278	894	0.01%	0.001%
61	9.016	2462	2465	2467	rBV3	1907	1558	0.01%	0.002%
62	9.086	2474	2487	2525	rBV	1641730	2884377	25.99%	3.411%
63	9.247	2525	2537	2564	rBV	1780648	2949060	26.57%	3.487%
64	9.373	2566	2576	2591	rBV	736751	1234992	11.13%	1.460%
65	9.540	2625	2628	2629	rBV3	1708	1060	0.01%	0.001%
66	9.559	2629	2634	2646	rVB3	7277	11928	0.11%	0.014%
67	9.604	2646	2648	2653	rVB2	1450	957	0.01%	0.001%
68	9.717	2675	2683	2689	rBV9	6158	10804	0.10%	0.013%
69	9.778	2690	2702	2728	rVV3	974360	1817672	16.38%	2.149%
70	9.948	2749	2755	2765	rVB2	24116	35819	0.32%	0.042%
71	10.167	2816	2823	2832	rVB2	17848	27837	0.25%	0.033%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU050119\
Data File : VU031689.D
Acq On : 01 May 2019 17:02
Operator : JC/SP
Sample : K2604-12DL 25X
Misc : 5.09g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ86DL

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	10.254	2846	2850	2857	rVB3	11208	12592	0.11%	0.015%
73	10.321	2860	2871	2875	rBV5	24565	40707	0.37%	0.048%
74	10.427	2892	2904	2918	rBV	1100183	1818865	16.39%	2.151%
75	10.585	2946	2953	2963	rBV	45439	71484	0.64%	0.085%
76	10.768	3003	3010	3017	rBV	219961	325167	2.93%	0.385%
77	10.810	3017	3023	3036	rVB	320796	468824	4.22%	0.554%
78	10.971	3065	3073	3075	rBV2	74121	97701	0.88%	0.116%
79	11.112	3109	3117	3119	rBV2	141760	169626	1.53%	0.201%
80	11.144	3120	3127	3139	rVV	854740	1299806	11.71%	1.537%
81	11.212	3139	3148	3157	rVV	600294	920010	8.29%	1.088%
82	11.263	3157	3164	3175	rVB	292755	434507	3.91%	0.514%
83	11.395	3197	3205	3214	rBV3	139847	238243	2.15%	0.282%
84	11.479	3222	3231	3242	rBV	1741153	2694856	24.28%	3.187%
85	11.565	3252	3258	3266	rBV	316747	419963	3.78%	0.497%
86	11.697	3293	3299	3309	rVB3	118508	172208	1.55%	0.204%
87	11.762	3311	3319	3327	rBV	195889	339475	3.06%	0.401%
88	11.855	3338	3348	3367	rVB	1677507	2911685	26.23%	3.443%
89	11.977	3375	3386	3394	rBV	3194008	5125772	46.18%	6.061%
90	12.356	3497	3504	3510	rBV4	197111	297972	2.68%	0.352%
91	12.607	3573	3582	3588	rBV	476209	787876	7.10%	0.932%
92	12.697	3603	3610	3617	rBV3	452943	863373	7.78%	1.021%
93	13.118	3733	3741	3754	rBV3	1297487	2237781	20.16%	2.646%
94	13.282	3783	3792	3812	rBV6	1119923	2496559	22.49%	2.952%
95	13.736	3923	3933	3943	rVB	6797874	10503920	94.63%	12.421%
96	14.871	4276	4286	4299	rBV	7223373	11100075	100.00%	13.126%
97	15.054	4334	4343	4360	rVB	2912734	4715940	42.49%	5.577%
98	15.794	4565	4573	4582	rBV	1086350	1670180	15.05%	1.975%
99	15.906	4599	4608	4624	rVB	1800320	3084520	27.79%	3.648%
100	16.054	4645	4654	4661	rBV	1547364	2391545	21.55%	2.828%

Sum of corrected areas: 84562980

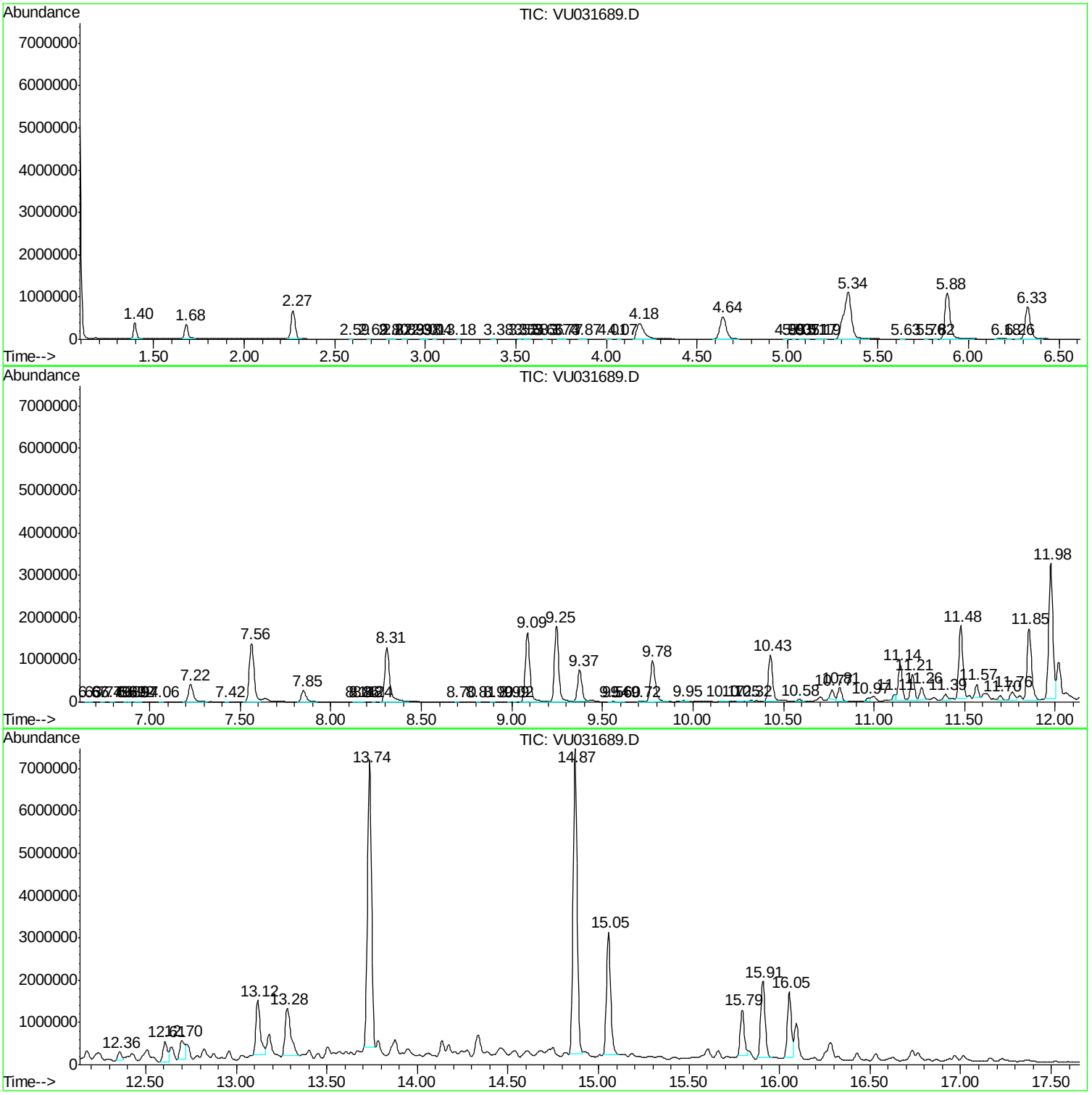
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050119\
Data File : VU031689.D
Acq On : 01 May 2019 17:02
Operator : JC/SP
Sample : K2604-12DL 25X
Misc : 5.09g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ86DL

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\VU050119\
Data File : VU031689.D
Acq On : 01 May 2019 17:02
Operator : JC/SP
Sample : K2604-12DL 25X
Misc : 5.09g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ86DL

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

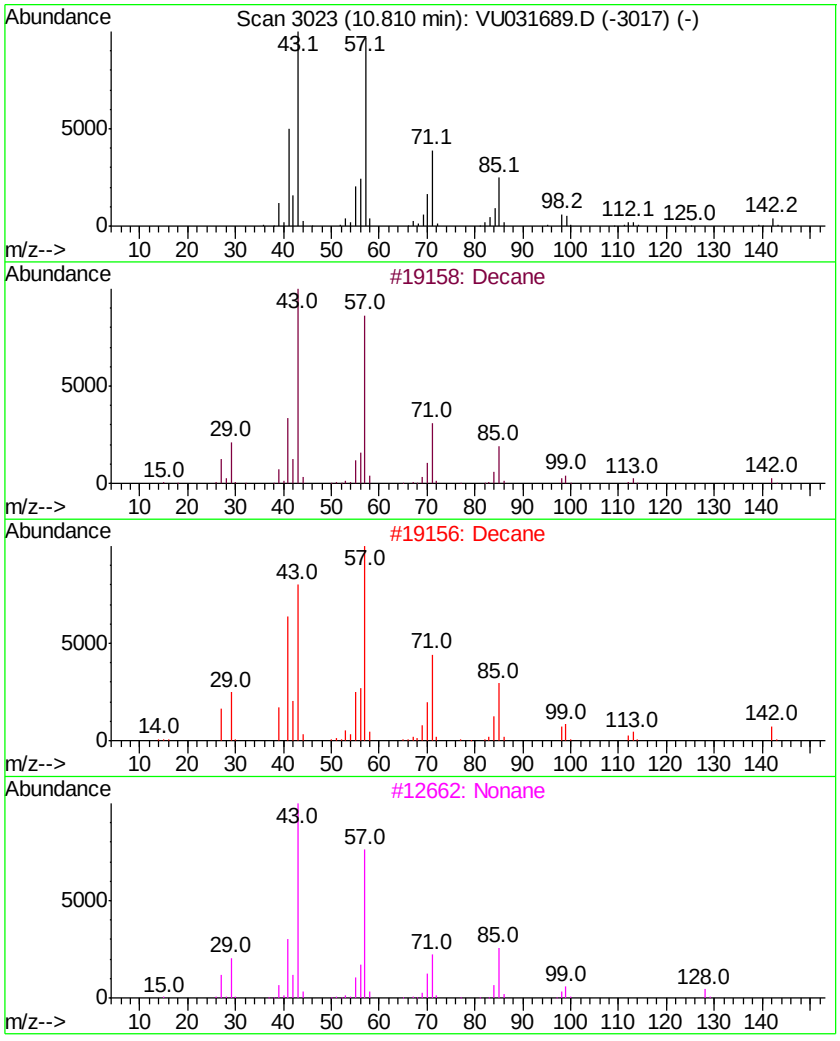
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

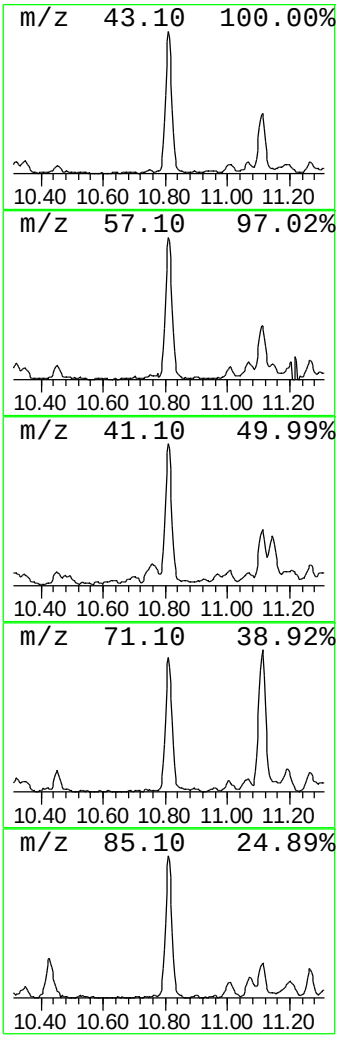
****

Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.81	8.70 ug/L	468824	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane	142	C10H22	000124-18-5	90
2	Decane	142	C10H22	000124-18-5	78
3	Nonane	128	C9H20	000111-84-2	72
4	Nonane	128	C9H20	000111-84-2	64
5	Undecane	156	C11H24	001120-21-4	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050119\
Data File : VU031689.D
Acq On : 01 May 2019 17:02
Operator : JC/SP
Sample : K2604-12DL 25X
Misc : 5.09g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ86DL

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

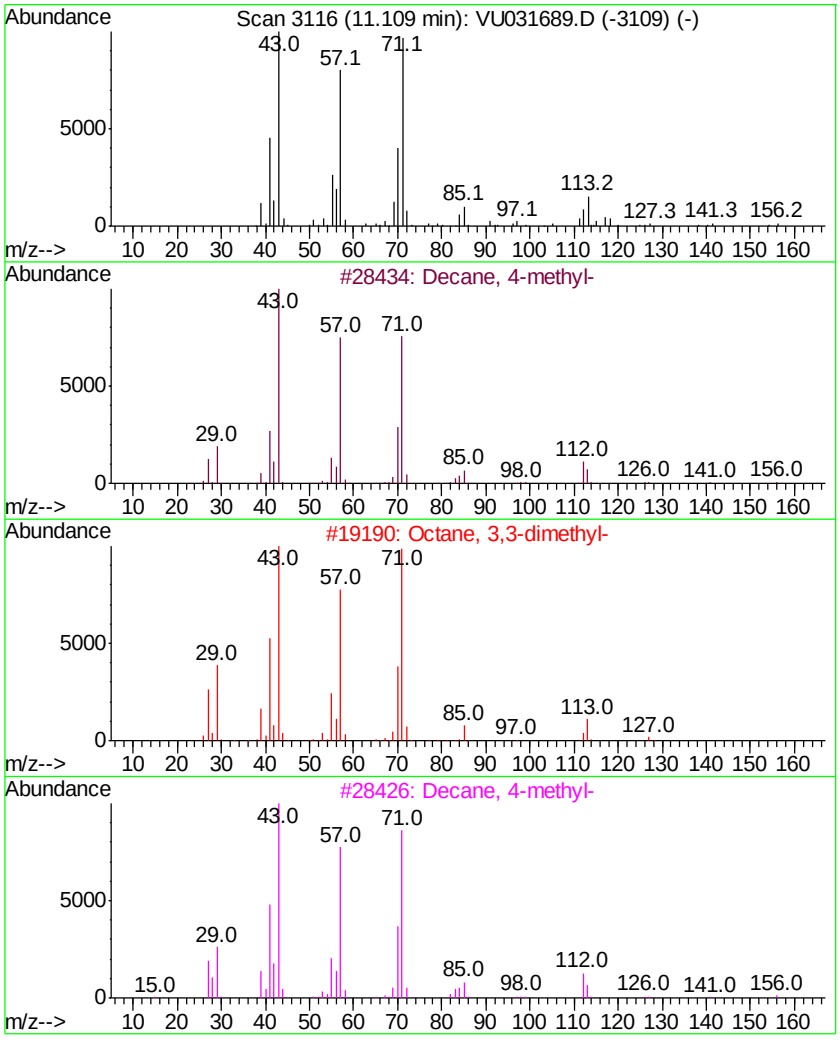
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

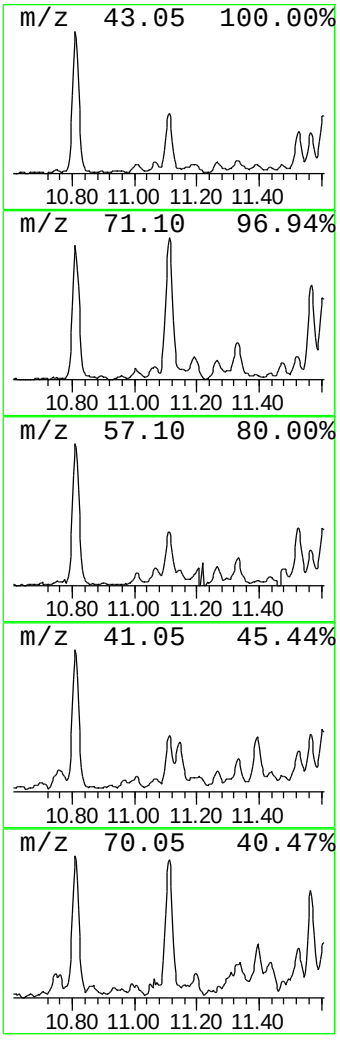
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.11	3.15 ug/L	169626	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 4-methyl-	156	C11H24	002847-72-5	90
2	Octane, 3,3-dimethyl-	142	C10H22	004110-44-5	86
3	Decane, 4-methyl-	156	C11H24	002847-72-5	83
4	Heptane, 3,3,5-trimethyl-	142	C10H22	007154-80-5	78
5	Heptane, 3,3,5-trimethyl-	142	C10H22	007154-80-5	78





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050119\
Data File : VU031689.D
Acq On : 01 May 2019 17:02
Operator : JC/SP
Sample : K2604-12DL 25X
Misc : 5.09g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ86DL

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

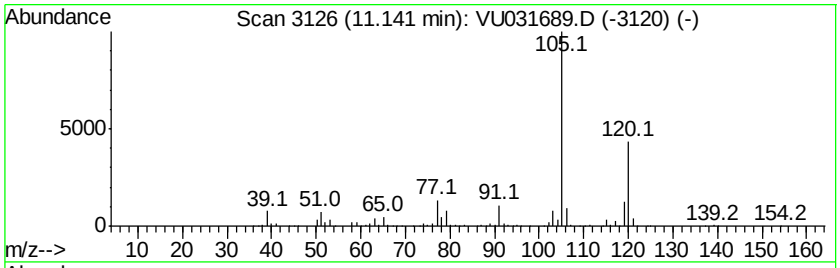
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

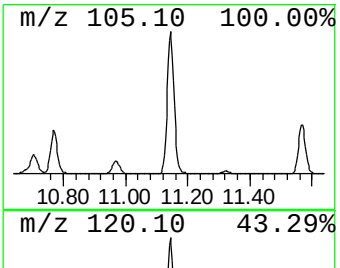
****

Peak Number 5 Benzene, 1,2,3-trimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.14	24.12 ug/L	1299810	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	Mesitylene	120	C9H12	000108-67-8	94
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94
4	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	94
5	Mesitylene	120	C9H12	000108-67-8	94





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050119\
Data File : VU031689.D
Acq On : 01 May 2019 17:02
Operator : JC/SP
Sample : K2604-12DL 25X
Misc : 5.09g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ86DL

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

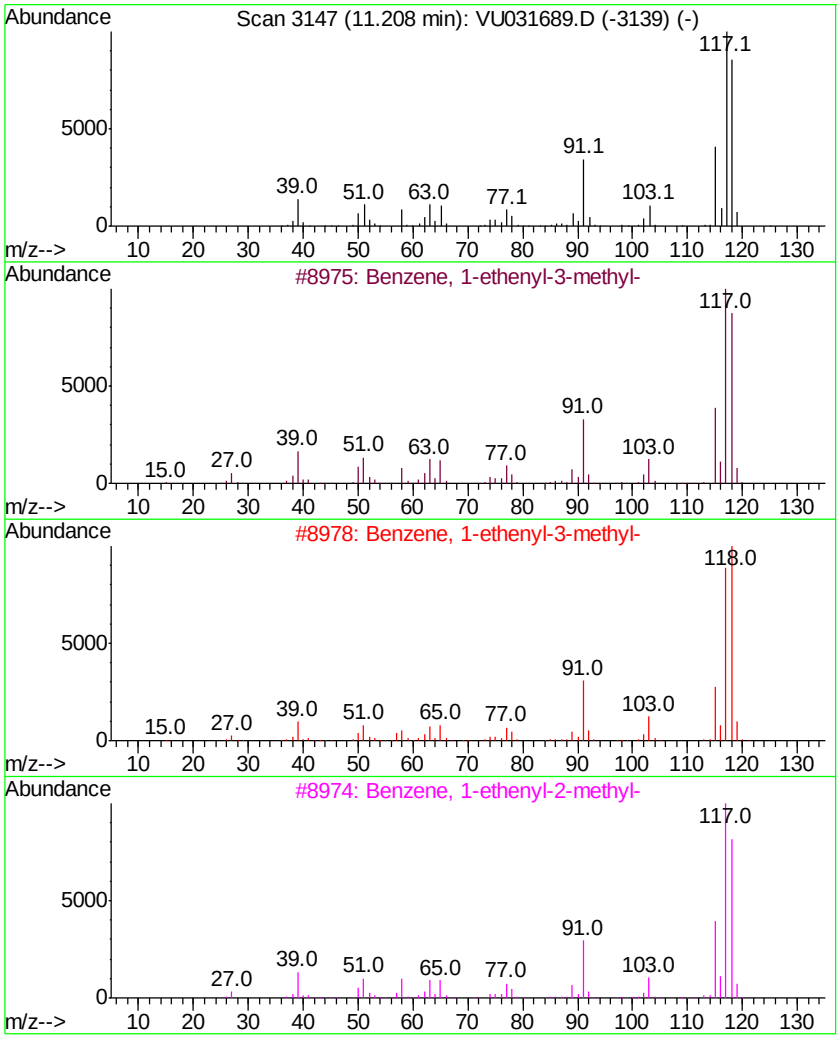
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

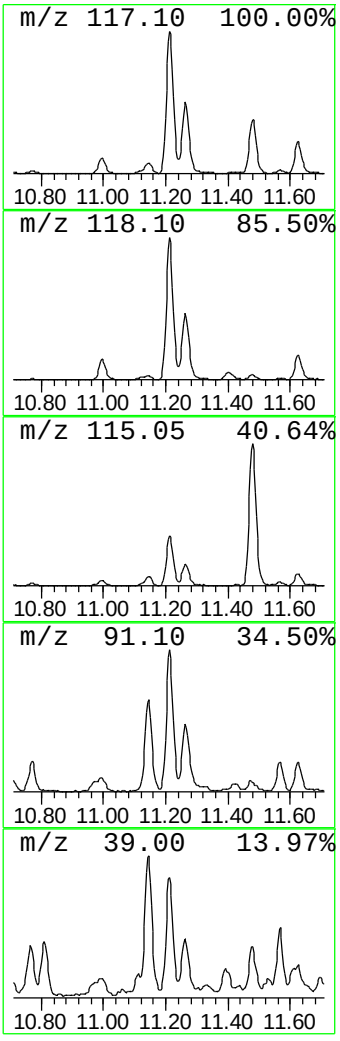
****

Peak Number 6 Benzene, 1-ethenyl-3-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.21	17.07 ug/L	920010	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-2-methyl-	118	C9H10	000611-15-4	95
4	Benzene, cyclopropyl-	118	C9H10	000873-49-4	94
5	Benzene, 1-propenyl-	118	C9H10	000637-50-3	94





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050119\
Data File : VU031689.D
Acq On : 01 May 2019 17:02
Operator : JC/SP
Sample : K2604-12DL 25X
Misc : 5.09g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ86DL

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

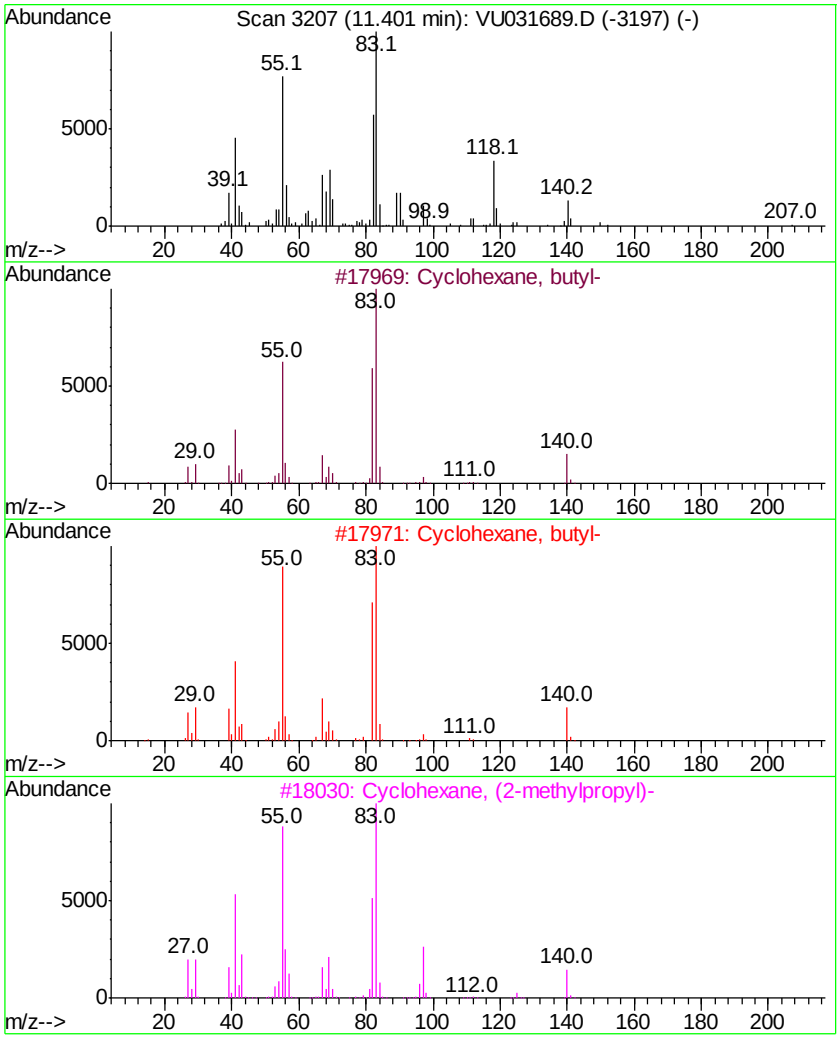
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

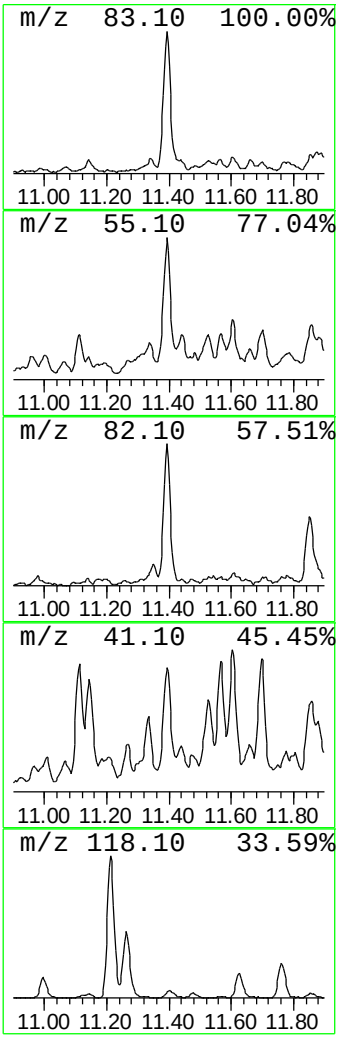
****

Peak Number 8 (DEL) Alkane: Cyclic11.40 Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.40	4.42 ug/L	238243	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, butyl-	140	C10H20	001678-93-9	64
2	Cyclohexane, butyl-	140	C10H20	001678-93-9	64
3	Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	64
4	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	59
5	Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	59





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050119\
Data File : VU031689.D
Acq On : 01 May 2019 17:02
Operator : JC/SP
Sample : K2604-12DL 25X
Misc : 5.09g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ86DL

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

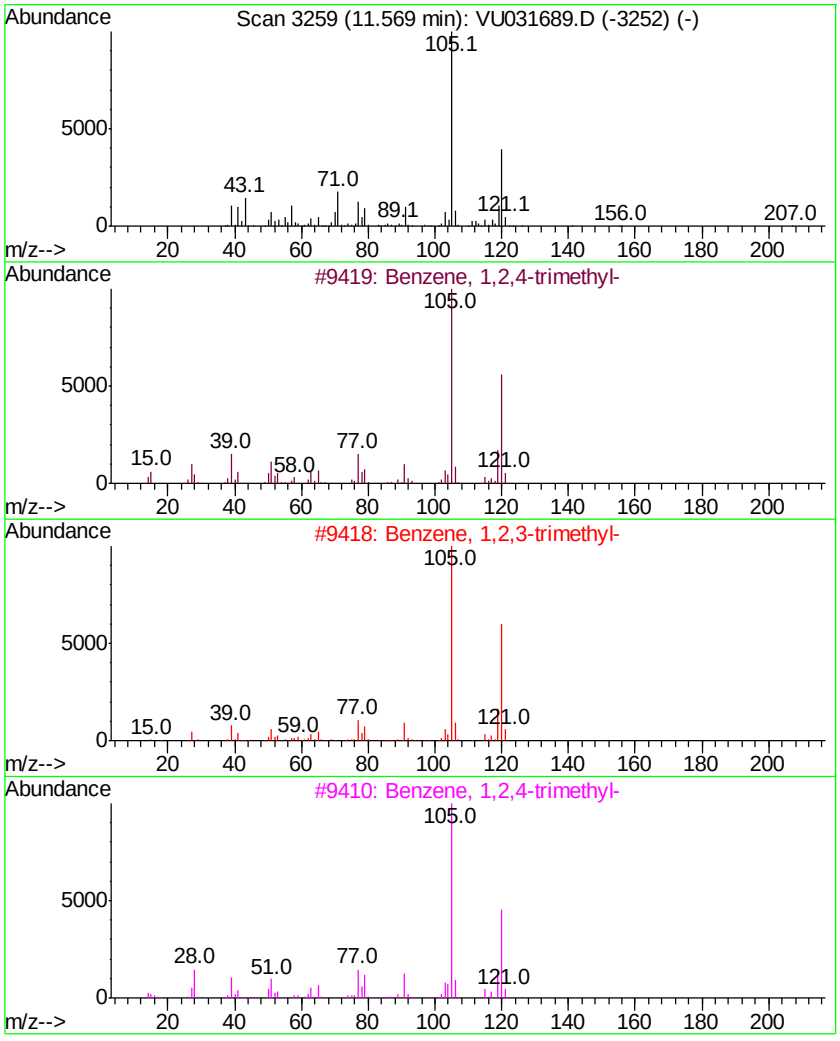
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

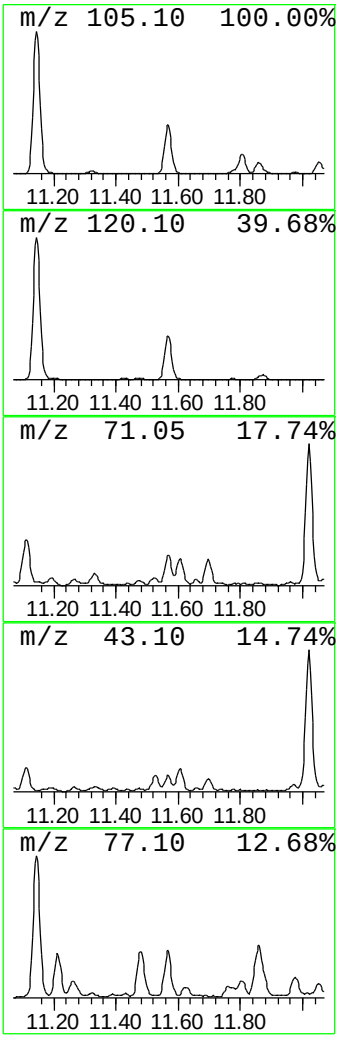
****

Peak Number 9 Benzene, 1,2,4-trimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.57	7.79 ug/L	419963	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	93
2	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	93
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
4	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
5	Mesitylene	120	C9H12	000108-67-8	90





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Data File : VU031689.D
Acq On : 01 May 2019 17:02
Operator : JC/SP
Sample : K2604-12DL 25X
Misc : 5.09g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ86DL

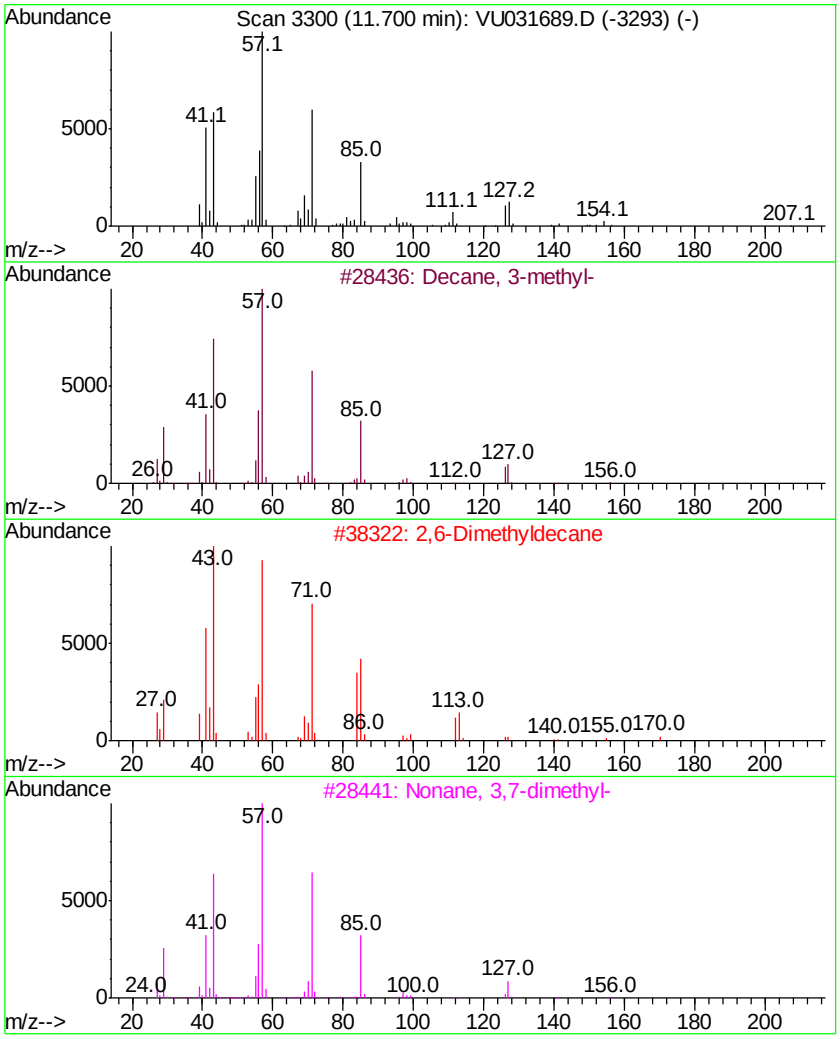
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis

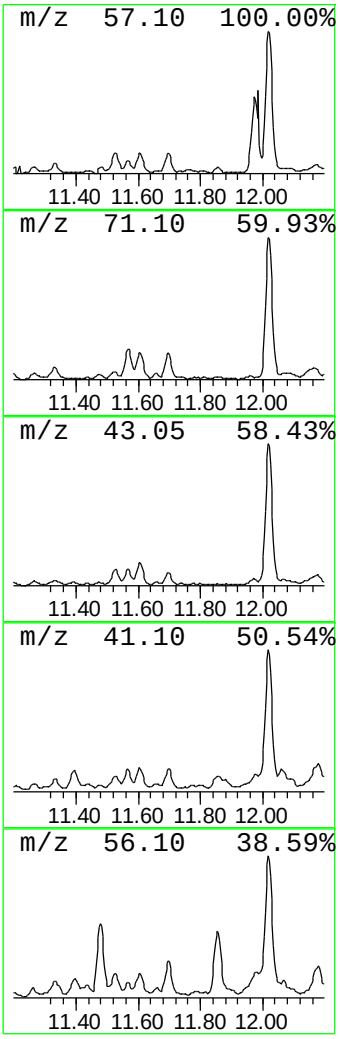
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 (DEL) Alkane: Straight-Chai... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.70	3.20 ug/L	172208	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 3-methyl-	156	C11H24	013151-34-3	93
2	2,6-Dimethyldecane	170	C12H26	013150-81-7	64
3	Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	59
4	Octane, 3,4,5,6-tetramethyl-	170	C12H26	062185-21-1	53
5	Decane, 2,6,7-trimethyl-	184	C13H28	062108-25-2	53





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Data File : VU031689.D
Acq On : 01 May 2019 17:02
Operator : JC/SP
Sample : K2604-12DL 25X
Misc : 5.09g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ86DL

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

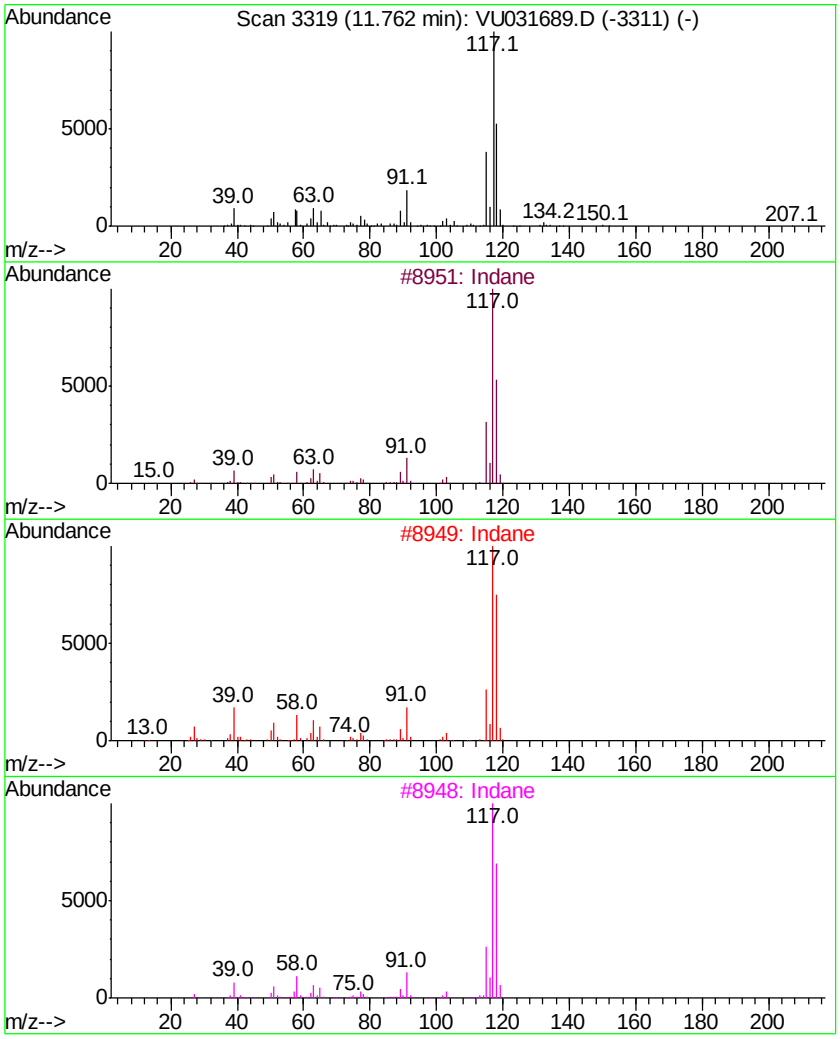
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

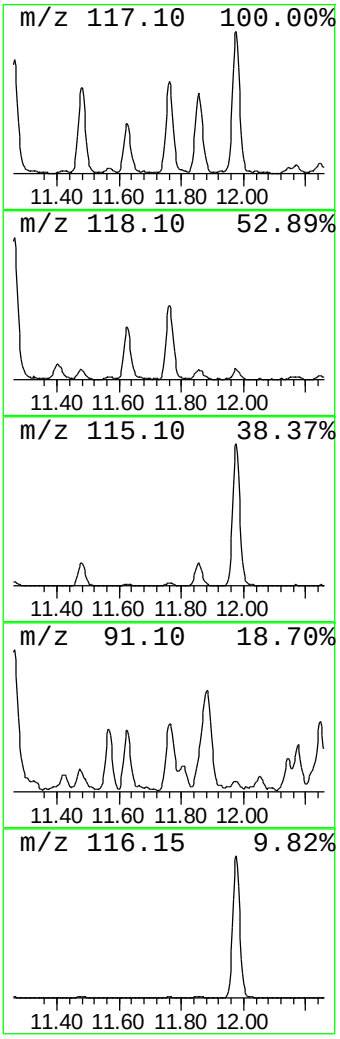
****

Peak Number 11 Indane Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.76	6.30 ug/L	339475	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	94
2	Indane	118	C9H10	000496-11-7	90
3	Indane	118	C9H10	000496-11-7	70
4	Benzene, cyclopropyl-	118	C9H10	000873-49-4	70
5	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	64





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Data File : VU031689.D
Acq On : 01 May 2019 17:02
Operator : JC/SP
Sample : K2604-12DL 25X
Misc : 5.09g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ86DL

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

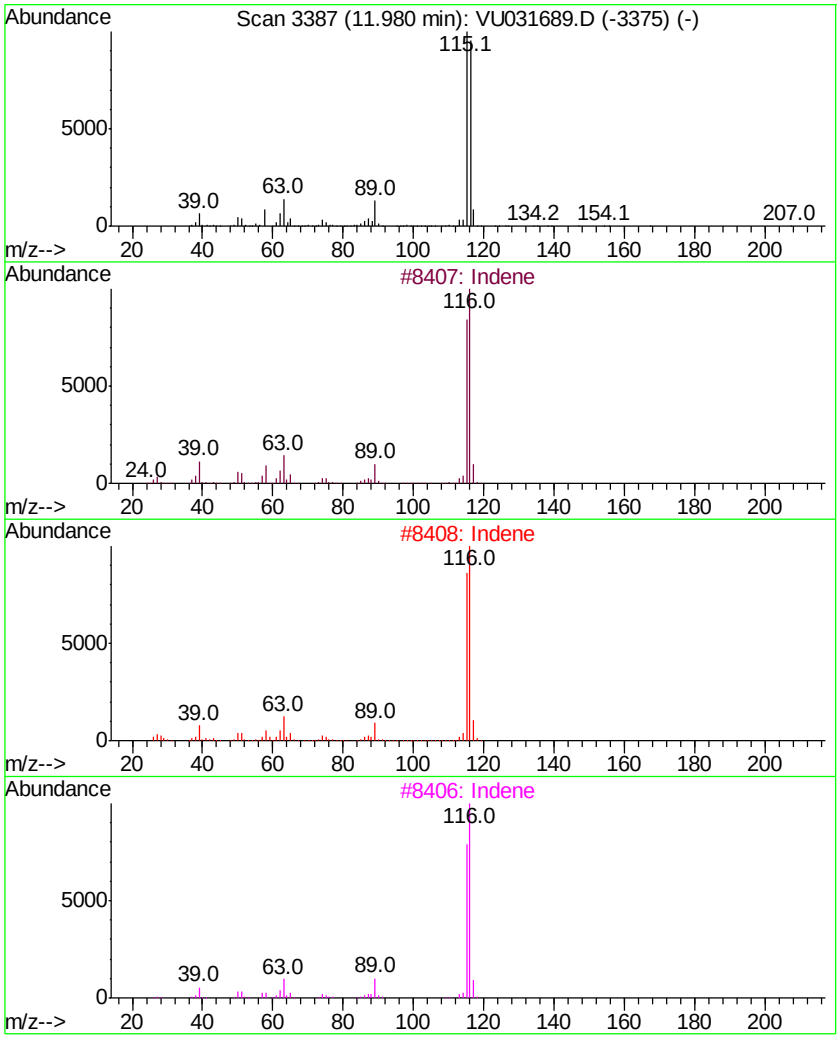
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

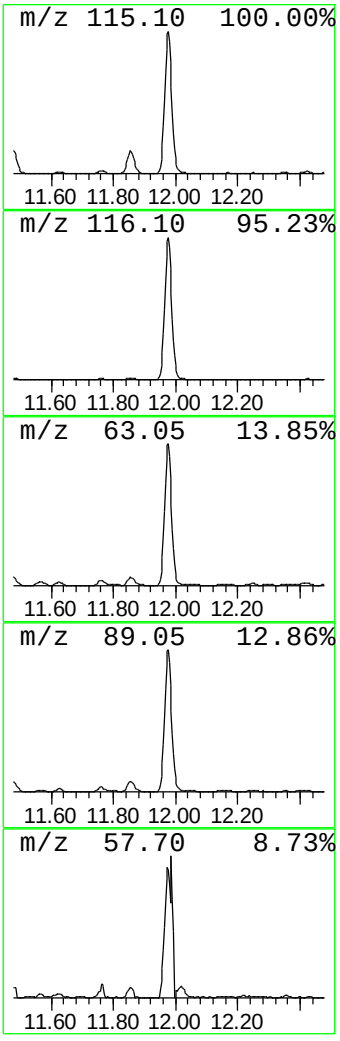
****

Peak Number 12 Indene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.98	95.10 ug/L	5125770	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	96
2	Indene	116	C9H8	000095-13-6	95
3	Indene	116	C9H8	000095-13-6	95
4	Benzene, 1-propynyl-	116	C9H8	000673-32-5	91
5	3-Methylphenylacetylene	116	C9H8	000766-82-5	91





Library Search Compound Report

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Data File : VU031689.D
Acq On : 01 May 2019 17:02
Operator : JC/SP
Sample : K2604-12DL 25X
Misc : 5.09g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ86DL

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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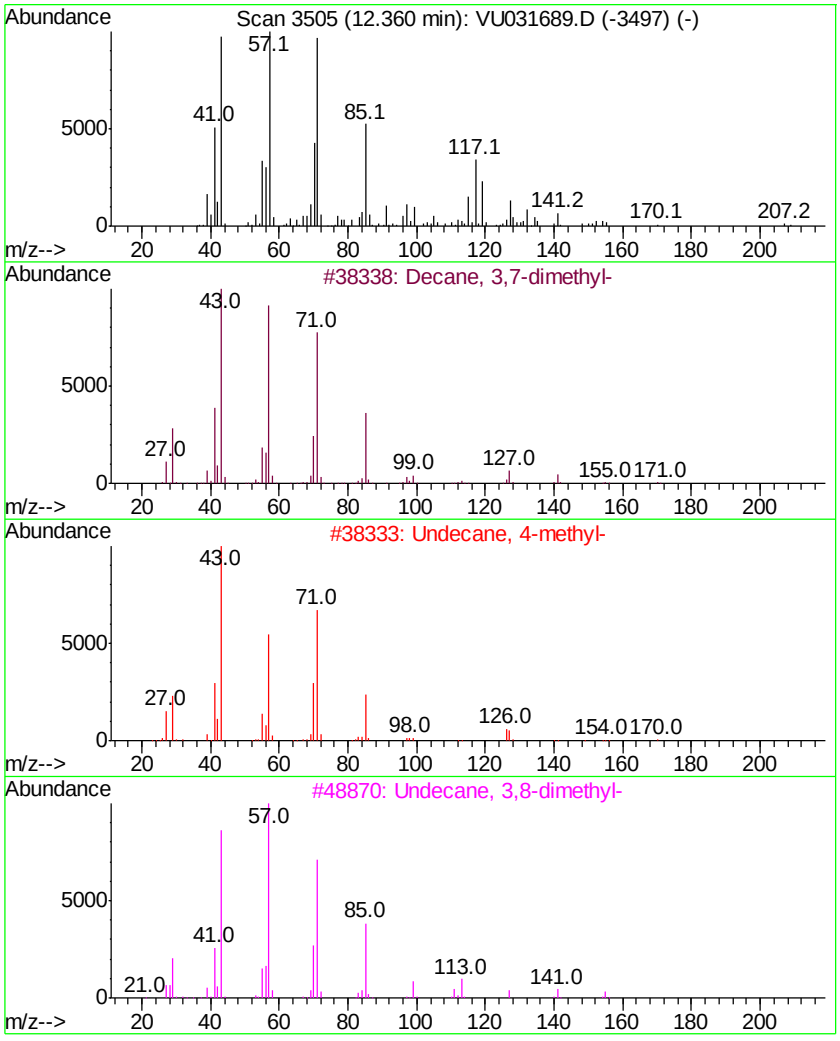
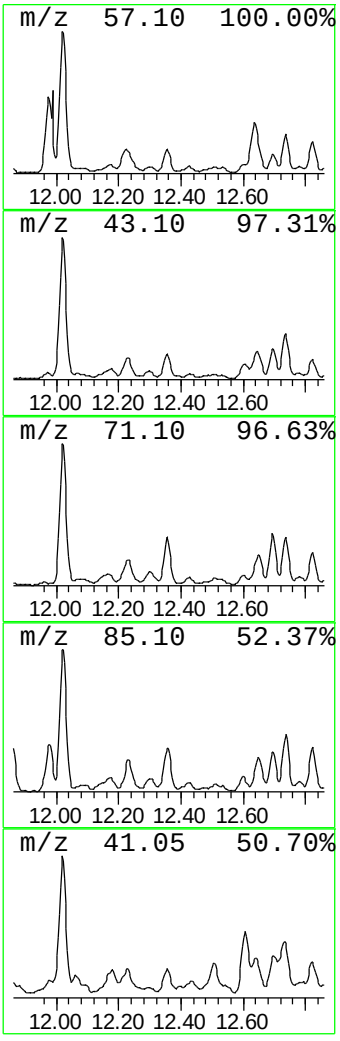
Peak Number 13 (DEL) Alkane: Straight-Chai... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.36	5.53 ug/L	297972	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 3,7-dimethyl-	170	C12H26	017312-54-8	60
2	Undecane, 4-methyl-	170	C12H26	002980-69-0	52
3	Undecane, 3,8-dimethyl-	184	C13H28	017301-30-3	47
4	Dodecane, 4-methyl-	184	C13H28	006117-97-1	47
5	Nonane, 1-iodo-	254	C9H19I	004282-42-2	46





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Data File : VU031689.D
Acq On : 01 May 2019 17:02
Operator : JC/SP
Sample : K2604-12DL 25X
Misc : 5.09g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ86DL

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

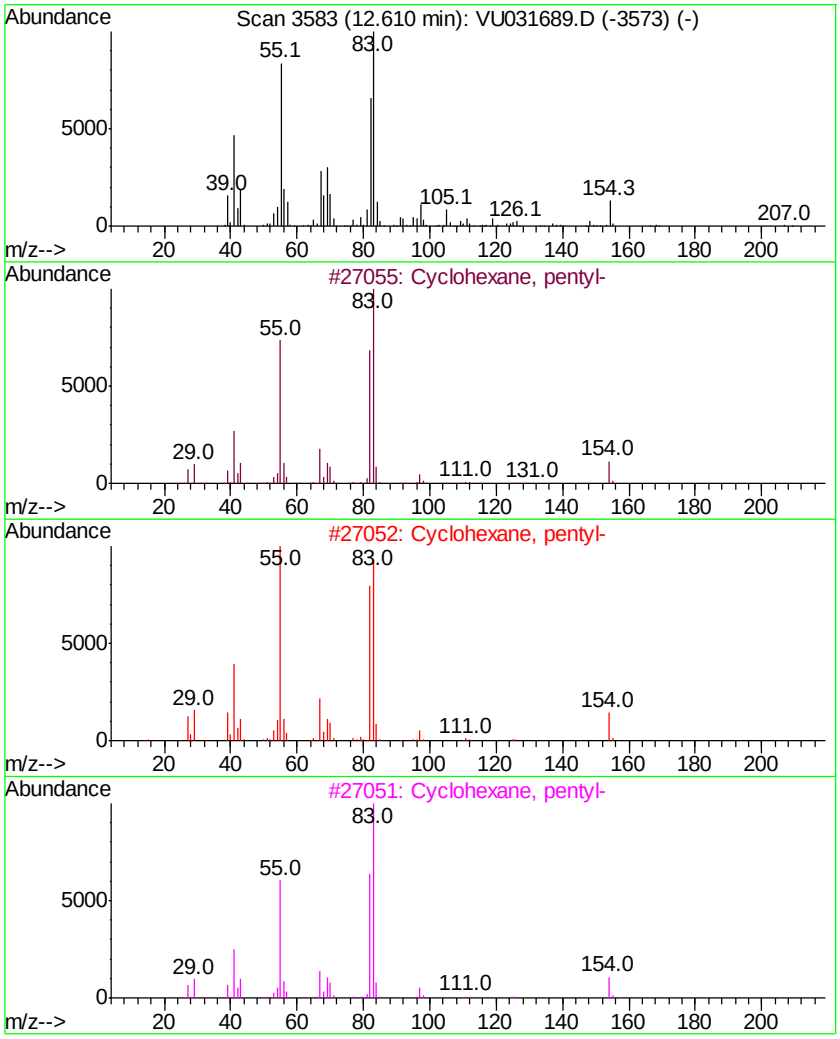
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

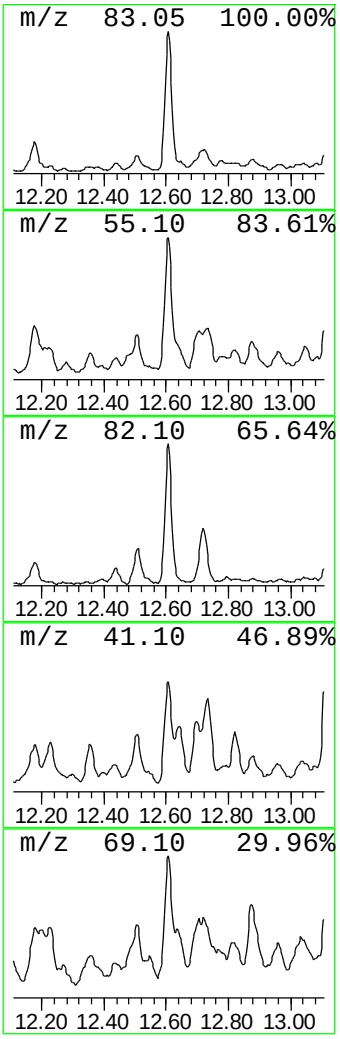
****

Peak Number 14 (DEL) Alkane: Cyclic12.61 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.61	14.62 ug/L	787876	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, pentyl-	154	C11H22	004292-92-6	83
2	Cyclohexane, pentyl-	154	C11H22	004292-92-6	80
3	Cyclohexane, pentyl-	154	C11H22	004292-92-6	72
4	Cyclohexane, (4-methylpentyl)-	168	C12H24	061142-20-9	72
5	Cyclohexane, octyl-	196	C14H28	001795-15-9	72





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Data File : VU031689.D
Acq On : 01 May 2019 17:02
Operator : JC/SP
Sample : K2604-12DL 25X
Misc : 5.09g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ86DL

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

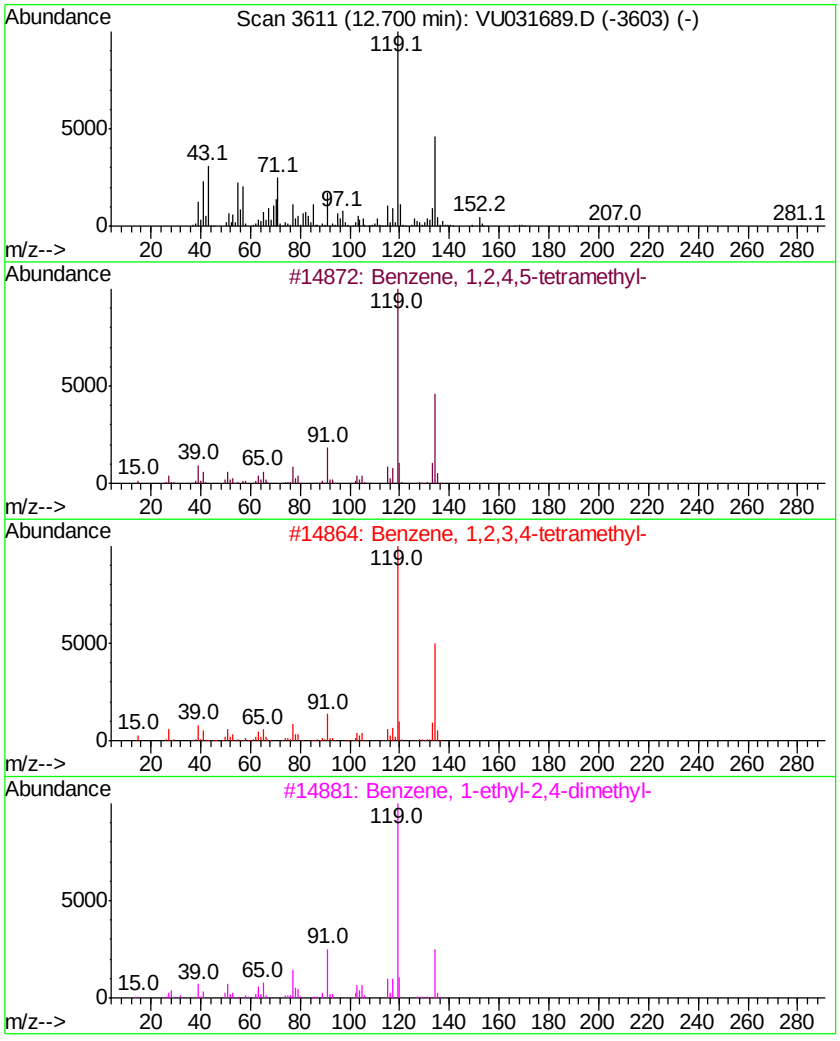
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

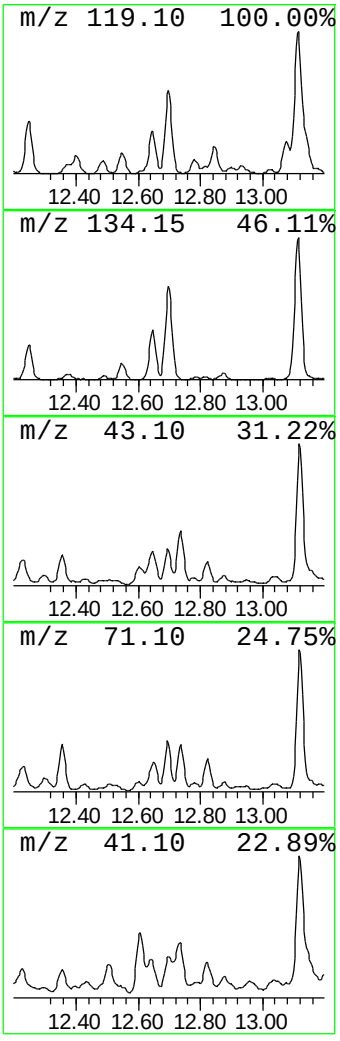
****

Peak Number 15 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.70	16.02 ug/L	863373	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	94
2	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	93
3	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	93
4	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	89
5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	89





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Data File : VU031689.D
Acq On : 01 May 2019 17:02
Operator : JC/SP
Sample : K2604-12DL 25X
Misc : 5.09g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ86DL

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

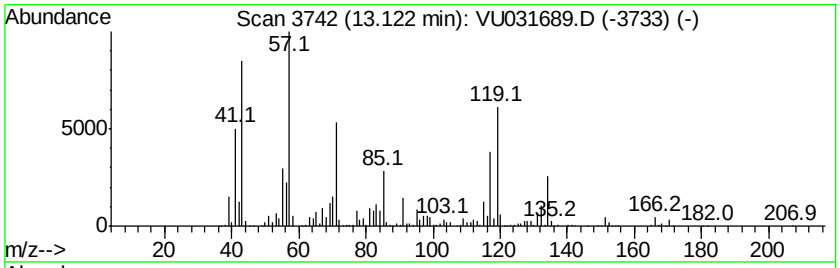
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

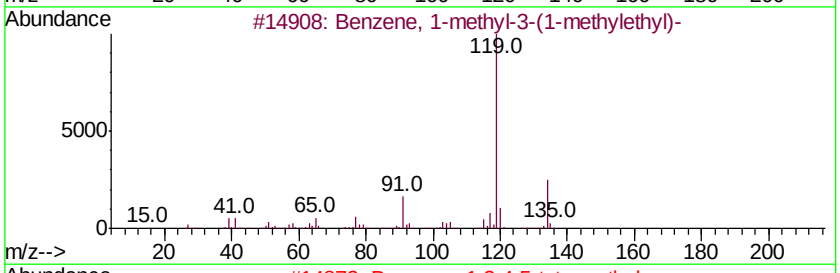
****

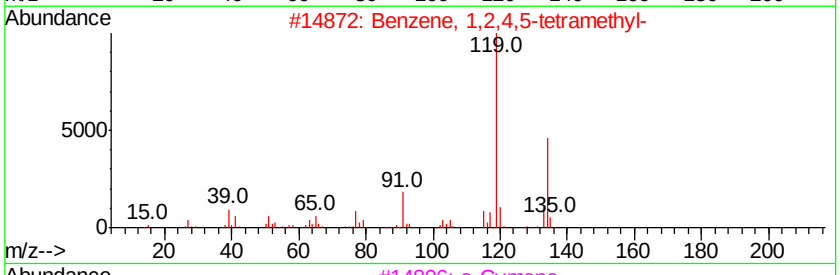
Peak Number 16 unknown-01 Concentration Rank 8

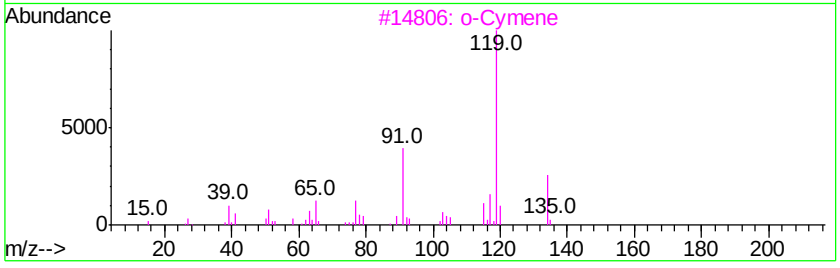
R.T.	EstConc	Area	Relative to ISTD	R.T.
13.12	41.52 ug/L	2237780	1,4-Dichlorobenzene-d4	11.48

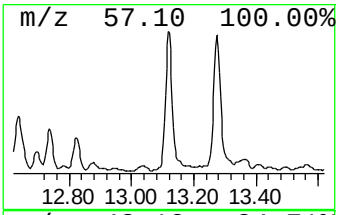
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	42
2	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	42
3	o-Cymene	134	C10H14	000527-84-4	42
4	o-Cymene	134	C10H14	000527-84-4	42
5	p-Cymene	134	C10H14	000099-87-6	42

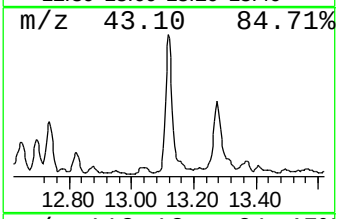


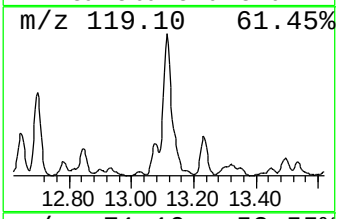


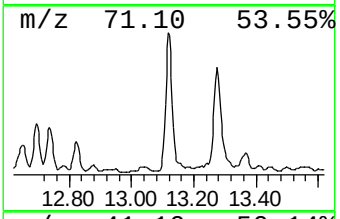


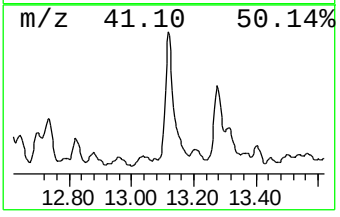












Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050119\
Data File : VU031689.D
Acq On : 01 May 2019 17:02
Operator : JC/SP
Sample : K2604-12DL 25X
Misc : 5.09g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ86DL

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

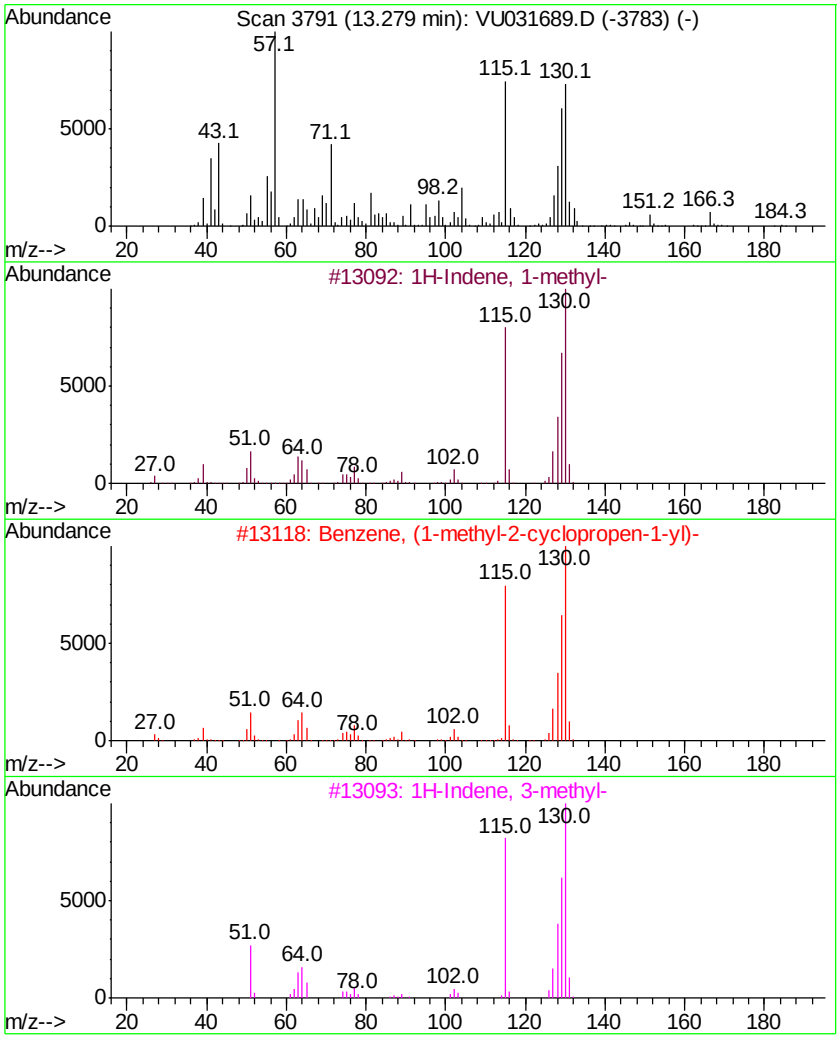
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

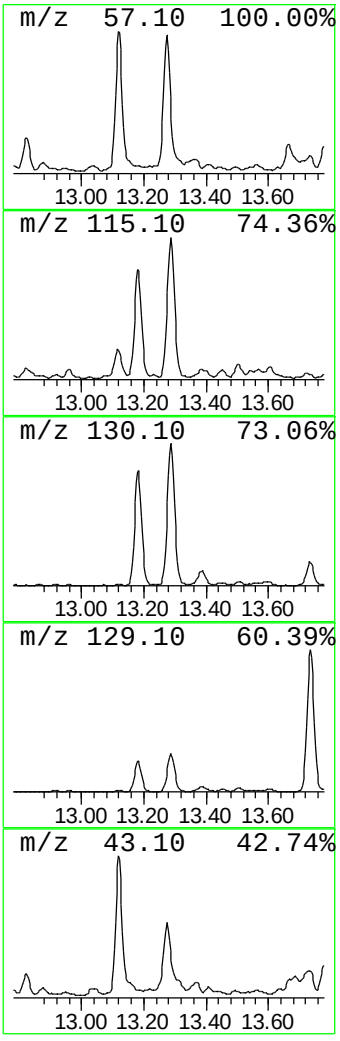
****

Peak Number 17 1H-Indene, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.28	46.32 ug/L	2496560	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	Benzene, (1-methyl-2-cyclopropen...	130	C10H10	065051-83-4	95
3	1H-Indene, 3-methyl-	130	C10H10	000767-60-2	93
4	2-Methylindene	130	C10H10	002177-47-1	93
5	Benzene, 1-butynyl-	130	C10H10	000622-76-4	93





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050119\
Data File : VU031689.D
Acq On : 01 May 2019 17:02
Operator : JC/SP
Sample : K2604-12DL 25X
Misc : 5.09g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ86DL

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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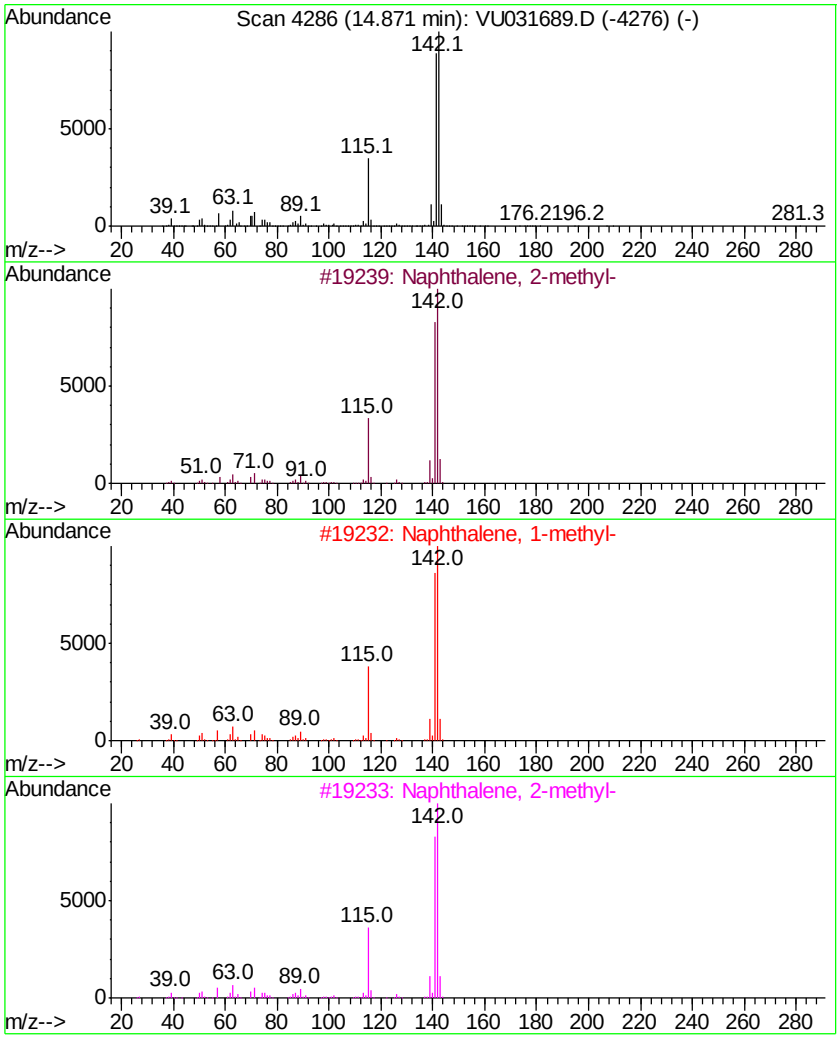
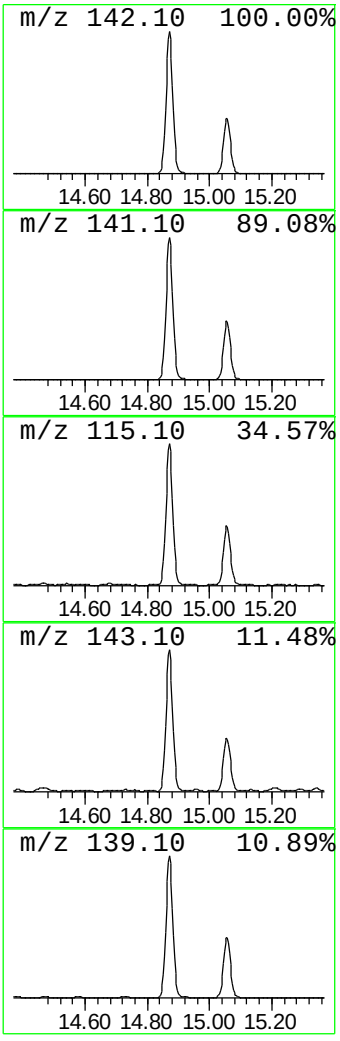
Peak Number 19 Naphthalene, 1-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.87	205.95 ug/L	11100100	1,4-Dichlorobenzene-d4	11.48

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





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050119\
Data File : VU031689.D
Acq On : 01 May 2019 17:02
Operator : JC/SP
Sample : K2604-12DL 25X
Misc : 5.09g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ86DL

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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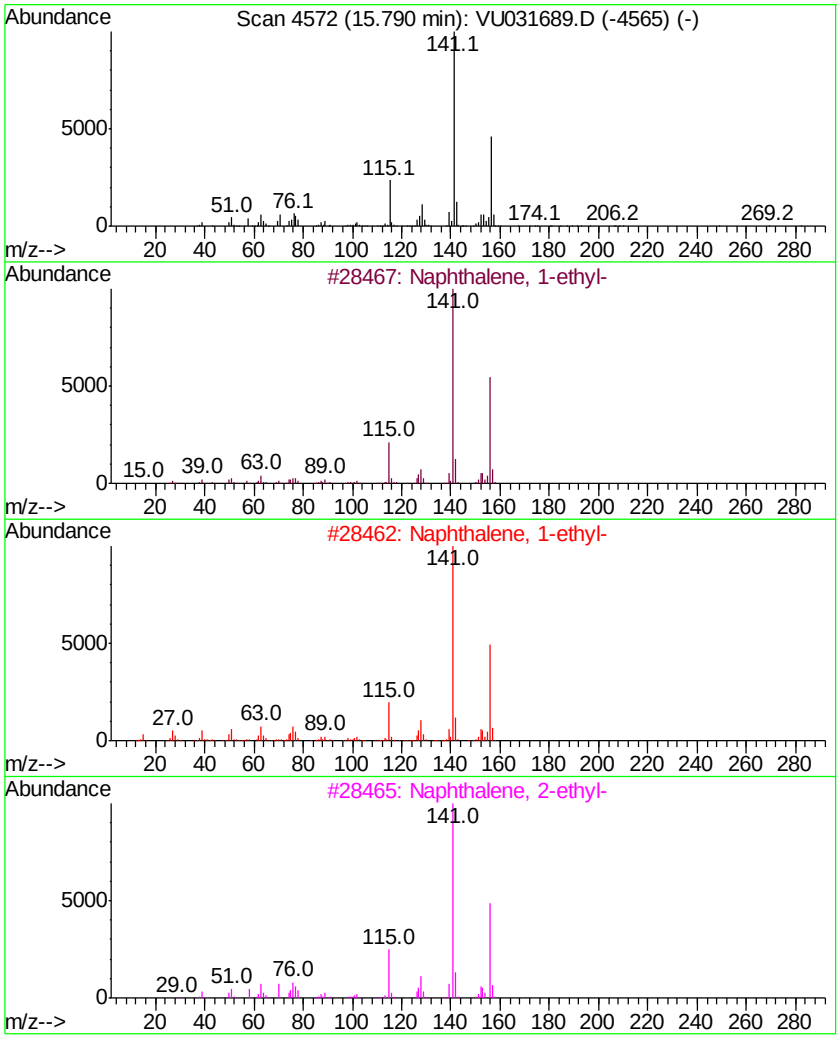
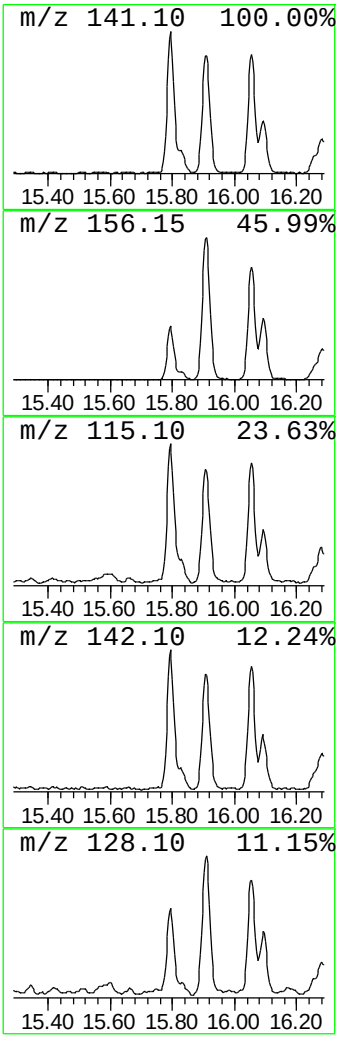
Peak Number 21 Naphthalene, 1-ethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.79	30.99 ug/L	1670180	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	97
2	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	96
3	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	96
4	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	95
5	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	94





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050119\
Data File : VU031689.D
Acq On : 01 May 2019 17:02
Operator : JC/SP
Sample : K2604-12DL 25X
Misc : 5.09g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ86DL

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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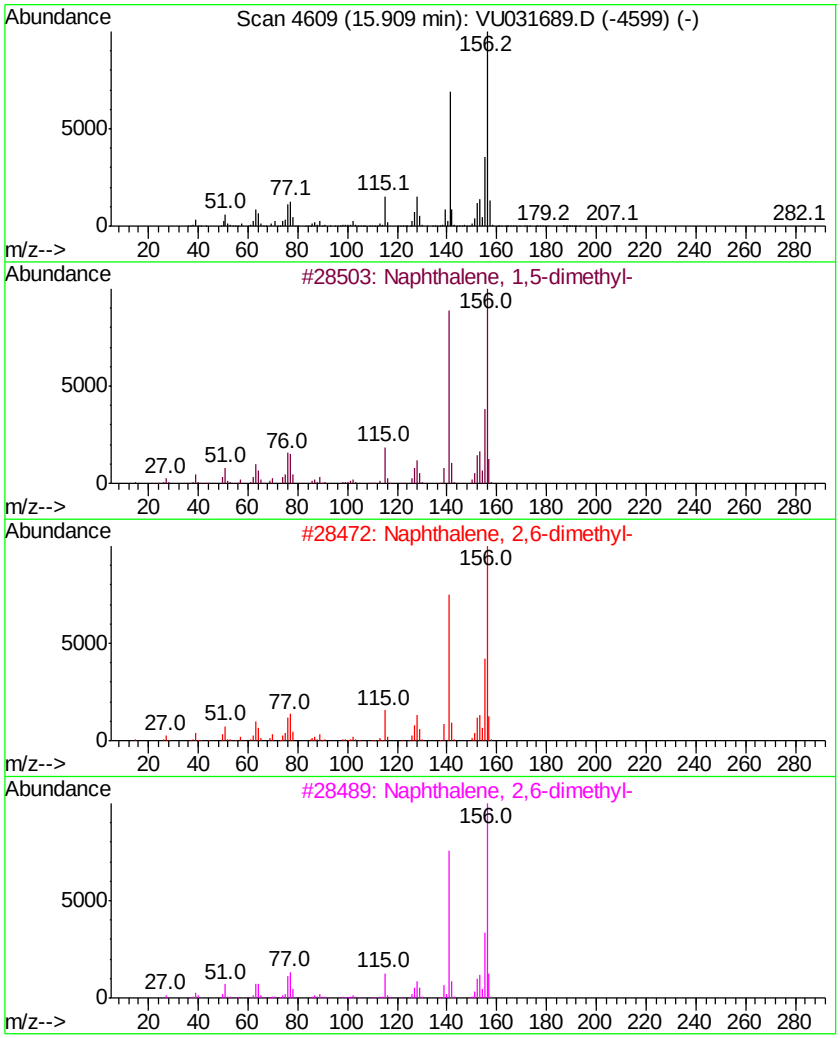
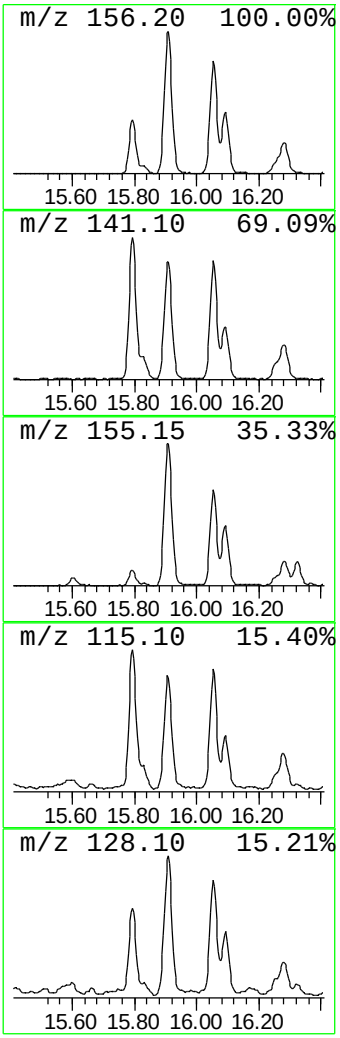
Peak Number 22 Naphthalene, 1,5-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.91	57.23 ug/L	3084520	1,4-Dichlorobenzene-d4	11.48

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





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050119\
Data File : VU031689.D
Acq On : 01 May 2019 17:02
Operator : JC/SP
Sample : K2604-12DL 25X
Misc : 5.09g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ86DL

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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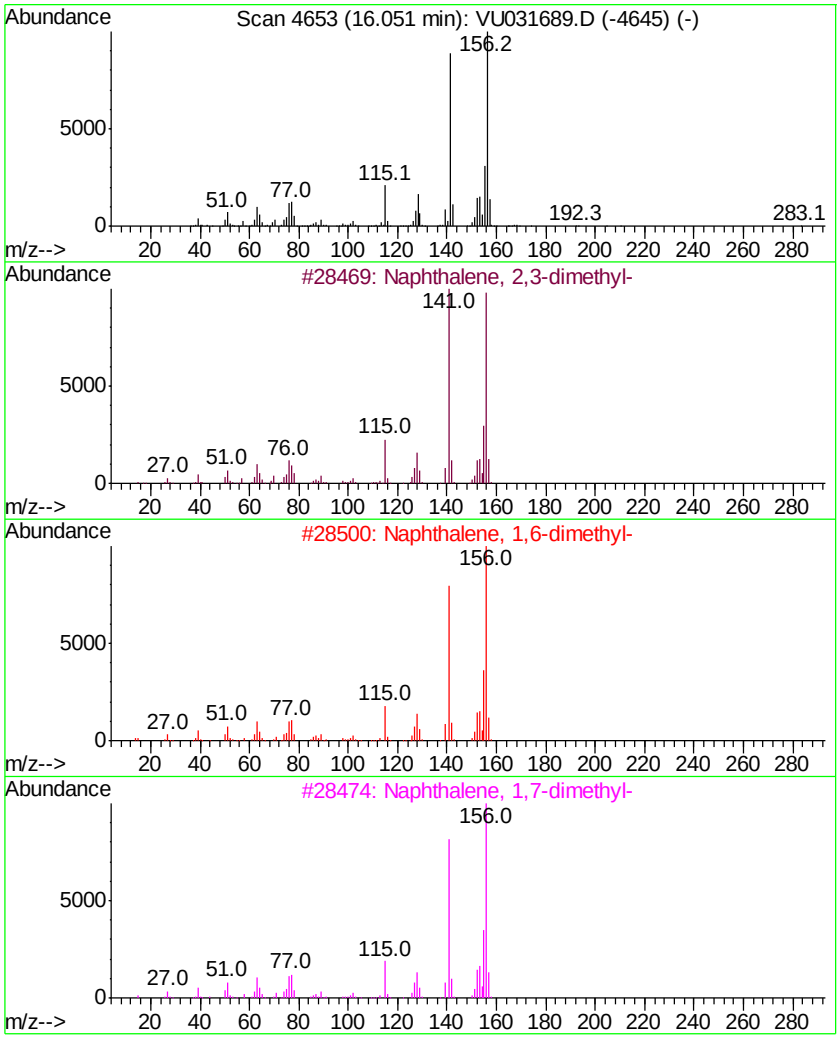
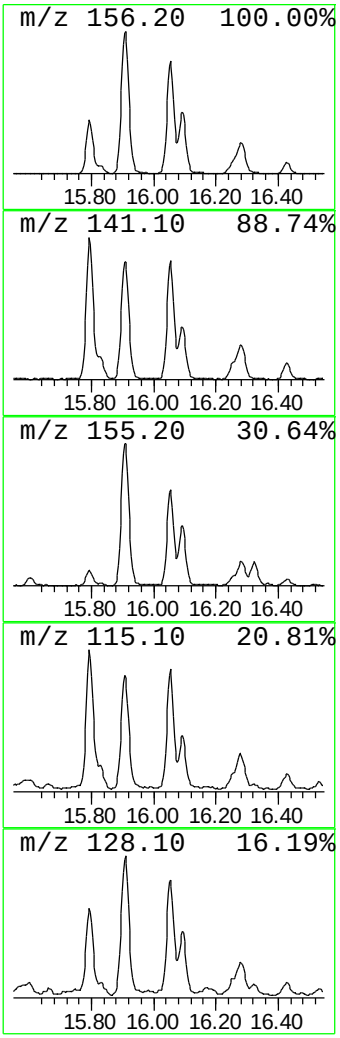
Peak Number 23 Naphthalene, 2,3-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.05	44.37 ug/L	2391550	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, 1,6-dimethyl-	156	C12H12	000575-43-9	98
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	98
4	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
5	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU050119\
Data File : VU031689.D
Acq On : 01 May 2019 17:02
Operator : JC/SP
Sample : K2604-12DL 25X
Misc : 5.09g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 21 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAJ86DL

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
(DEL) Alkane: Str...	10.81	8.7	ug/L	468824	3	11.48	2694860	50.0
(DEL) Alkane: Str...	11.11	3.1	ug/L	169626	3	11.48	2694860	50.0
Benzene, 1,2,3-tr...	11.14	24.1	ug/L	1299810	3	11.48	2694860	50.0
Benzene, 1-etheny...	11.21	17.1	ug/L	920010	3	11.48	2694860	50.0
(DEL) Alkane: Cyc...	11.40	4.4	ug/L	238243	3	11.48	2694860	50.0
Benzene, 1,2,4-tr...	11.57	7.8	ug/L	419963	3	11.48	2694860	50.0
(DEL) Alkane: Str...	11.70	3.2	ug/L	172208	3	11.48	2694860	50.0
Indane	11.76	6.3	ug/L	339475	3	11.48	2694860	50.0
Indene	11.98	95.1	ug/L	5125770	3	11.48	2694860	50.0
(DEL) Alkane: Str...	12.36	5.5	ug/L	297972	3	11.48	2694860	50.0
(DEL) Alkane: Cyc...	12.61	14.6	ug/L	787876	3	11.48	2694860	50.0
Benzene, 1,2,4,5-...	12.70	16.0	ug/L	863373	3	11.48	2694860	50.0
unknown-01	13.12	41.5	ug/L	2237780	3	11.48	2694860	50.0
1H-Indene, 1-methyl-	13.28	46.3	ug/L	2496560	3	11.48	2694860	50.0
Naphthalene, 1-me...	14.87	205.9	ug/L	11100100	3	11.48	2694860	50.0
Naphthalene, 1-et...	15.79	31.0	ug/L	1670180	3	11.48	2694860	50.0
Naphthalene, 1,5-...	15.91	57.2	ug/L	3084520	3	11.48	2694860	50.0
Naphthalene, 2,3-...	16.05	44.4	ug/L	2391550	3	11.48	2694860	50.0