LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032619\
Data File : VU030469.D
Acq On : 27 Mar 2019 01:23
Operator : JC/SP
Sample : K2063-16 100X
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 43 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6S4

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\SOMULM032319WMA.M
Title : VOC Analysis

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.180	24	28	41	rVB3	14852	17191	0.22%	0.049%
2	1.399	89	96	109	rVB	295317	299205	3.77%	0.853%
3	1.666	172	179	195	rVV	207586	267321	3.37%	0.762%
4	1.746	197	204	214	rVB	72413	97208	1.22%	0.277%
5	1.939	259	264	283	rVB	28147	43418	0.55%	0.124%
6	2.045	291	297	309	rVB2	15741	23719	0.30%	0.068%
7	2.132	318	324	332	rBV2	7259	9862	0.12%	0.028%
8	2.183	333	340	349	rVB5	11213	17069	0.22%	0.049%
9	2.267	355	366	379	rBV	425822	655684	8.26%	1.870%
10	2.376	396	400	403	rVB3	2467	2318	0.03%	0.007%
11	2.405	407	409	414	rVB	2543	1808	0.02%	0.005%
12	2.453	417	424	427	rBV	2206	2972	0.04%	0.008%
13	2.559	453	457	462	rBV	1446	1672	0.02%	0.005%
14	2.627	473	478	480	rBV2	1709	1641	0.02%	0.005%
15	2.881	552	557	559	rBV	1851	1717	0.02%	0.005%
16	2.990	581	591	608	rVB3	15157	32906	0.41%	0.094%
17	3.299	676	687	694	rBV4	5399	9824	0.12%	0.028%
18	3.415	716	723	725	rBV4	3075	3159	0.04%	0.009%
19	3.633	787	791	794	rVV2	1923	1883	0.02%	0.005%
20	3.653	795	797	801	rVB	2426	1683	0.02%	0.005%
21	3.723	812	819	821	rBV3	4581	5141	0.06%	0.015%
22	3.810	840	846	855	rVB3	2507	4457	0.06%	0.013%
23	4.090	916	933	947	rVV2	55071	148562	1.87%	0.424%
24	4.174	947	959	993	rVV	208072	530249	6.68%	1.512%
25	4.505	1054	1062	1067	rBV	1765	2721	0.03%	0.008%
26	4.643	1089	1105	1124	rBV	313330	737137	9.29%	2.102%
27	4.891	1178	1182	1188	rVB3	2252	2935	0.04%	0.008%
28	4.993	1204	1214	1225	rVB5	14507	31987	0.40%	0.091%
29	5.071	1235	1238	1242	rBV3	2943	3066	0.04%	0.009%
30	5.206	1274	1280	1289	rBV6	3356	5990	0.08%	0.017%
31	5.334	1296	1320	1330	rBV2	650229	1925669	24.27%	5.491%
32	5.620	1405	1409	1411	rBV2	2351	1968	0.02%	0.006%
33	5.739	1440	1446	1449	rVB	1771	1699	0.02%	0.005%
34	5.881	1476	1490	1524	rBV	563506	1147588	14.46%	3.272%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032619\
Data File : VU030469.D
Acq On : 27 Mar 2019 01:23
Operator : JC/SP
Sample : K2063-16 100X
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 43 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6S4

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\SOMULM032319WMA.M
Title : VOC Analysis

35	6.325	1614	1628	1646	rBV	431347	874055	11.01%	2.492%
36	6.646	1722	1728	1735	rVB2	4562	7417	0.09%	0.021%
37	6.791	1766	1773	1775	rBV	1634	1769	0.02%	0.005%
38	6.836	1780	1787	1793	rBV3	2798	3647	0.05%	0.010%
39	6.862	1793	1795	1800	rVB	2609	1762	0.02%	0.005%
40	6.890	1800	1804	1809	rBV	1790	2208	0.03%	0.006%
41	6.919	1809	1813	1815	rBV2	2758	1963	0.02%	0.006%
42	7.035	1845	1849	1850	rBV	2527	1822	0.02%	0.005%
43	7.112	1870	1873	1879	rVB	1771	1767	0.02%	0.005%
44	7.167	1885	1890	1895	rVB2	1583	1838	0.02%	0.005%
45	7.225	1895	1908	1928	rBV	235599	426639	5.38%	1.217%
46	7.376	1949	1955	1964	rVB4	6024	10975	0.14%	0.031%
47	7.424	1964	1970	1972	rBV2	2942	3278	0.04%	0.009%
48	7.562	1995	2013	2023	rVV	815739	1437832	18.12%	4.100%
49	7.633	2023	2035	2091	rVV	4490104	7935940	100.00%	22.630%
50	7.845	2092	2101	2124	rVB2	162481	286054	3.60%	0.816%
51	8.003	2147	2150	2155	rVB2	2318	2059	0.03%	0.006%
52	8.222	2213	2218	2219	rBV	2447	1684	0.02%	0.005%
53	8.238	2219	2223	2225	rBV	2522	2051	0.03%	0.006%
54	8.308	2234	2245	2284	rBV	669569	1214430	15.30%	3.463%
55	8.797	2394	2397	2404	rVB	2175	2623	0.03%	0.007%
56	8.839	2404	2410	2413	rBV	2168	2037	0.03%	0.006%
57	9.013	2456	2464	2465	rBV	3465	4164	0.05%	0.012%
58	9.087	2475	2487	2508	rBV	828904	1386326	17.47%	3.953%
59	9.247	2524	2537	2556	rBV	919268	1475676	18.59%	4.208%
60	9.369	2562	2575	2615	rVV	3129535	5157823	64.99%	14.708%
61	9.508	2615	2618	2623	rVV	2890	2284	0.03%	0.007%
62	9.775	2688	2701	2721	rBV	1505199	2412678	30.40%	6.880%
63	9.945	2747	2754	2757	rBV	1944	2338	0.03%	0.007%
64	10.164	2813	2822	2833	rVV	28213	44557	0.56%	0.127%
65	10.427	2891	2904	2928	rBV	595557	967966	12.20%	2.760%
66	10.585	2942	2953	2967	rBV	67330	108818	1.37%	0.310%
67	10.678	2971	2982	3001	rBV	321405	678751	8.55%	1.936%
68	10.768	3001	3010	3024	rVB	134263	207061	2.61%	0.590%
69	10.967	3060	3072	3088	rVV	137956	226911	2.86%	0.647%
70	11.029	3088	3091	3098	rVB2	1521	1753	0.02%	0.005%
71	11.144	3114	3127	3144	rBV	501334	796124	10.03%	2.270%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032619\
Data File : VU030469.D
Acq On : 27 Mar 2019 01:23
Operator : JC/SP
Sample : K2063-16 100X
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 43 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6S4

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\SOMULM032319WMA.M
Title : VOC Analysis

72	11.286	3168	3171	3178	rVV2	3104	3269	0.04%	0.009%
73	11.324	3179	3183	3189	rVV3	2618	2850	0.04%	0.008%
74	11.353	3189	3192	3195	rVB	2499	1682	0.02%	0.005%
75	11.424	3207	3214	3220	rBV5	5011	7801	0.10%	0.022%
76	11.479	3220	3231	3248	rBV	785066	1248763	15.74%	3.561%
77	11.569	3250	3259	3270	rVB	134080	214361	2.70%	0.611%
78	11.765	3309	3320	3330	rBV2	127703	213215	2.69%	0.608%
79	11.855	3337	3348	3368	rVB	750412	1279258	16.12%	3.648%
80	11.977	3381	3386	3387	rBV4	7406	5815	0.07%	0.017%
81	12.048	3401	3408	3419	rBV4	6038	10987	0.14%	0.031%
82	12.144	3431	3438	3444	rBV3	14012	22087	0.28%	0.063%
83	12.247	3463	3470	3488	rBV4	18746	35259	0.44%	0.101%
84	12.353	3493	3503	3519	rVB5	13475	26667	0.34%	0.076%
85	12.414	3519	3522	3525	rBV	2872	2028	0.03%	0.006%
86	12.553	3558	3565	3573	rVB6	5557	8270	0.10%	0.024%
87	12.649	3587	3595	3603	rBV3	11202	18112	0.23%	0.052%
88	12.701	3604	3611	3620	rVV3	16461	26341	0.33%	0.075%
89	12.826	3645	3650	3655	rBV	2209	2769	0.03%	0.008%
90	12.887	3666	3669	3675	rVB2	1409	1671	0.02%	0.005%
91	12.964	3686	3693	3704	rBV5	12052	20051	0.25%	0.057%
92	13.122	3734	3742	3754	rVB3	26907	44658	0.56%	0.127%
93	13.286	3788	3793	3807	rVB8	5393	9608	0.12%	0.027%
94	13.517	3855	3865	3870	rBV5	3141	4883	0.06%	0.014%
95	13.610	3891	3894	3899	rVB2	2140	2129	0.03%	0.006%
96	13.746	3926	3936	3952	rBV	49767	108210	1.36%	0.309%
97	14.016	4015	4020	4023	rBV	1932	2108	0.03%	0.006%
98	14.463	4156	4159	4164	rVB	1918	1647	0.02%	0.005%
99	15.511	4482	4485	4487	rBV2	2655	1961	0.02%	0.006%
100	15.900	4603	4606	4612	rBV2	2486	3172	0.04%	0.009%

Sum of corrected areas: 35068141

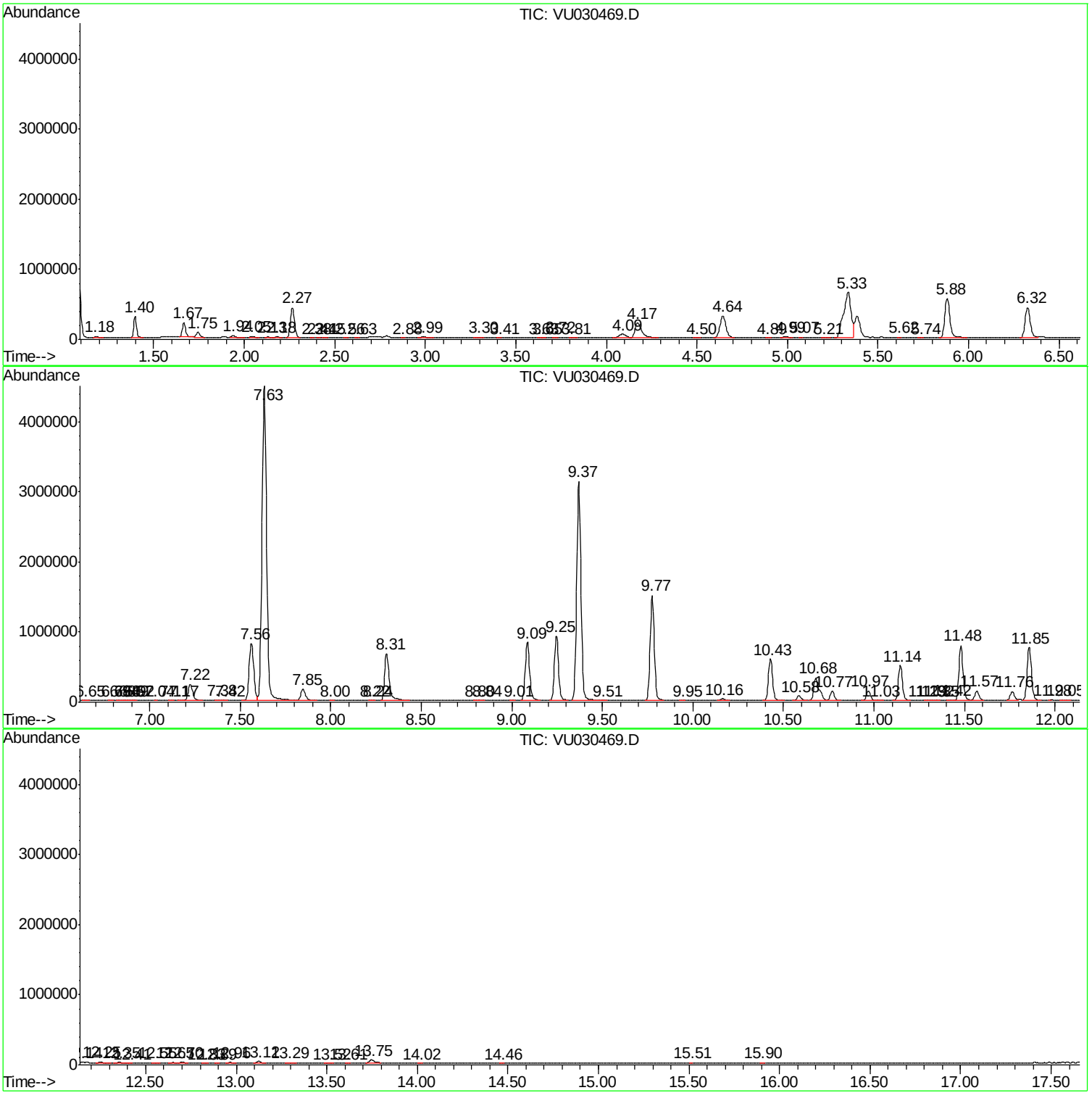
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032619\
Data File : VU030469.D
Acq On : 27 Mar 2019 01:23
Operator : JC/SP
Sample : K2063-16 100X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 43 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6S4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.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\VU032619\
Data File : VU030469.D
Acq On : 27 Mar 2019 01:23
Operator : JC/SP
Sample : K2063-16 100X
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 43 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6S4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis

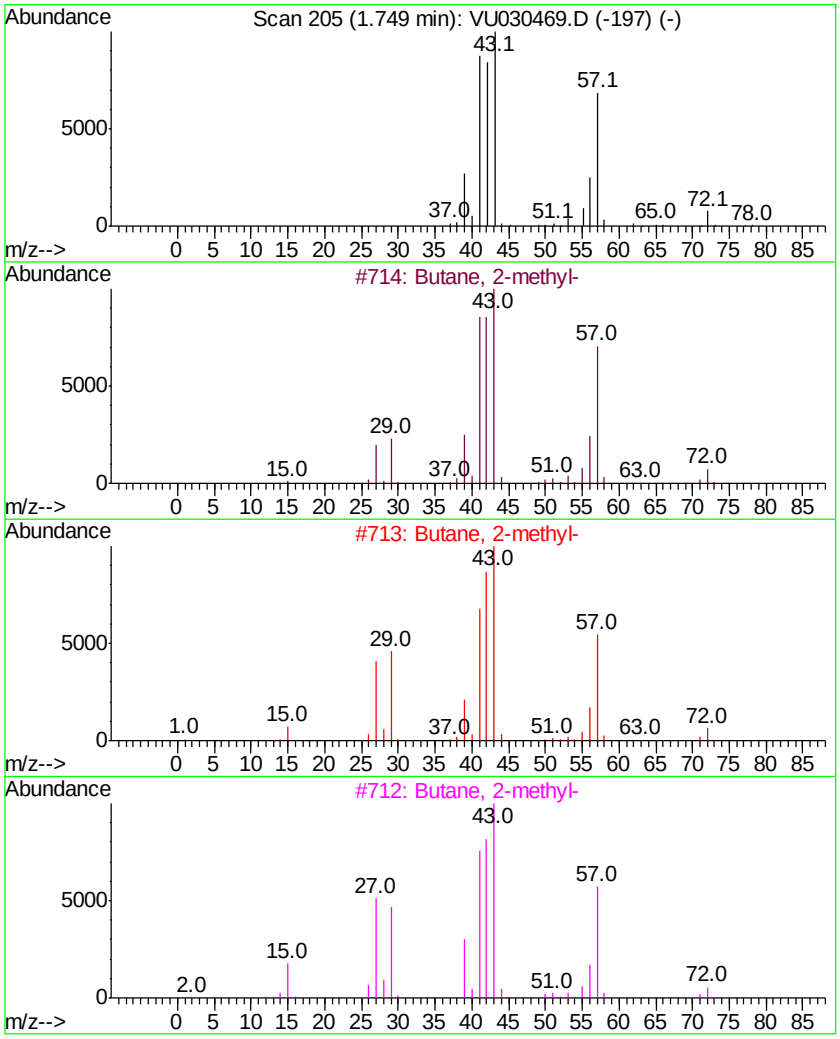
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

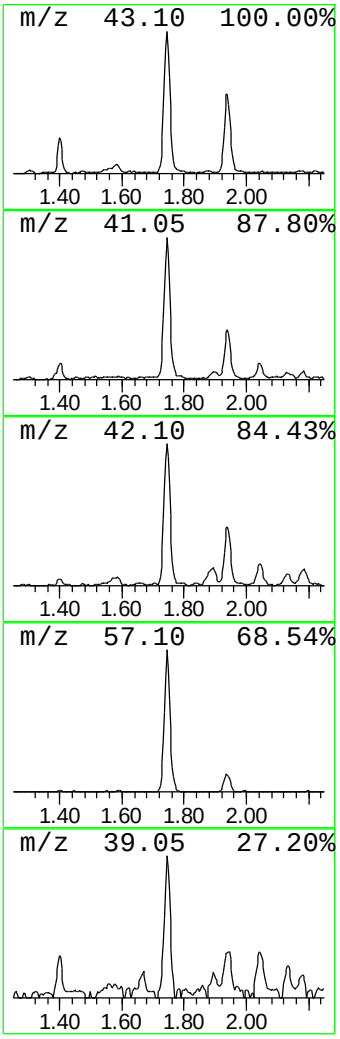
****

Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.75	4.24 ug/L	97208	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methyl-	72	C5H12	000078-78-4	91
2	Butane, 2-methyl-	72	C5H12	000078-78-4	91
3	Butane, 2-methyl-	72	C5H12	000078-78-4	90
4	1-Butene	56	C4H8	000106-98-9	14
5	1-Propene, 2-methyl-	56	C4H8	000115-11-7	10





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032619\
Data File : VU030469.D
Acq On : 27 Mar 2019 01:23
Operator : JC/SP
Sample : K2063-16 100X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 43 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6S4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis

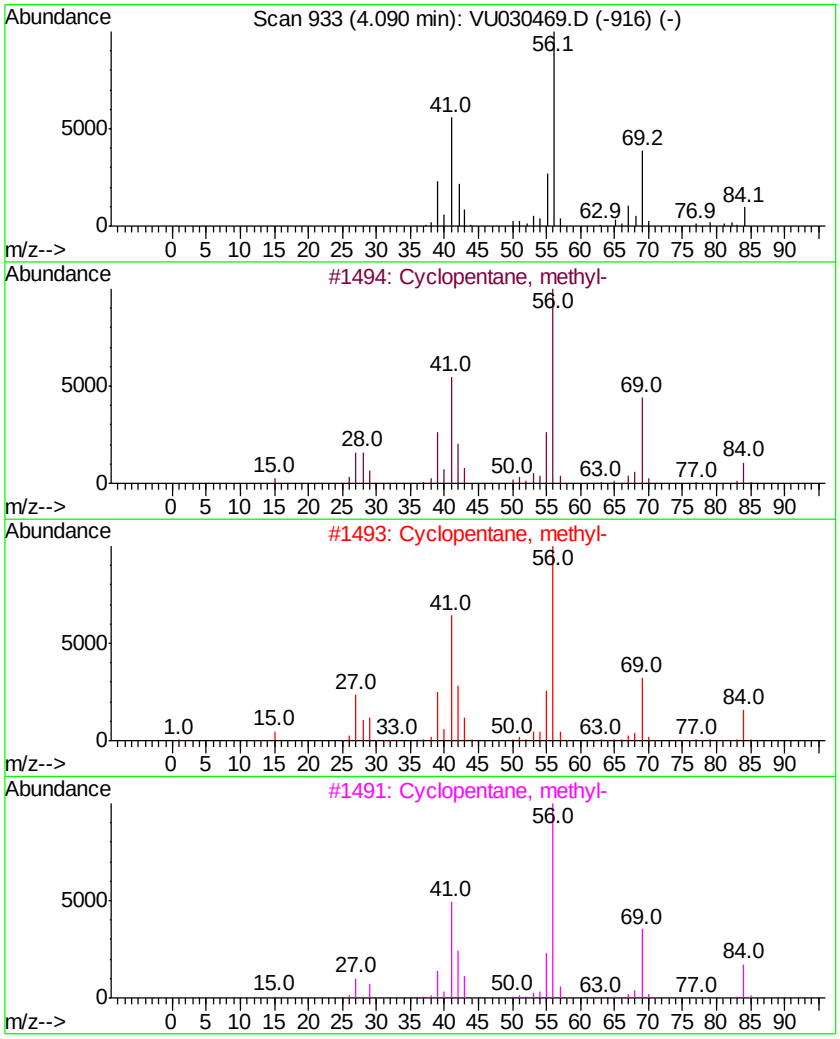
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

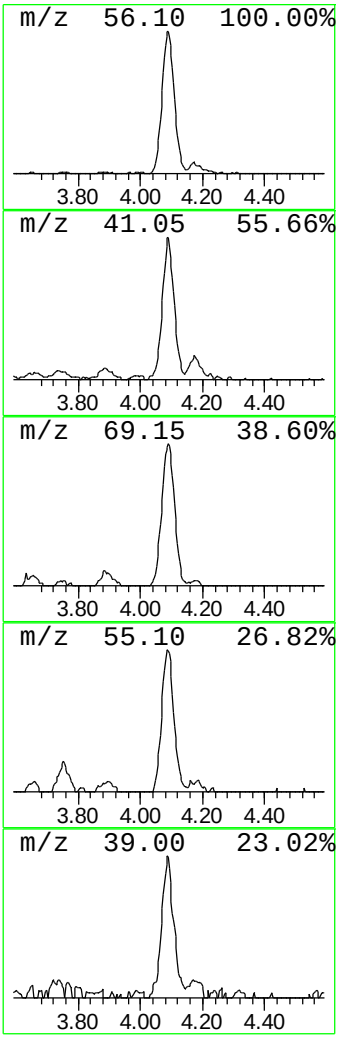
****

Peak Number 2 (DEL) Alkane: Cyclic4.09 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.09	6.47 ug/L	148562	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	91
2	Cyclopentane, methyl-	84	C6H12	000096-37-7	90
3	Cyclopentane, methyl-	84	C6H12	000096-37-7	78
4	1H-Tetrazole, 5-methyl-	84	C2H4N4	004076-36-2	72
5	Cyclobutane, ethyl-	84	C6H12	004806-61-5	59





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032619\
Data File : VU030469.D
Acq On : 27 Mar 2019 01:23
Operator : JC/SP
Sample : K2063-16 100X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 43 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6S4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis

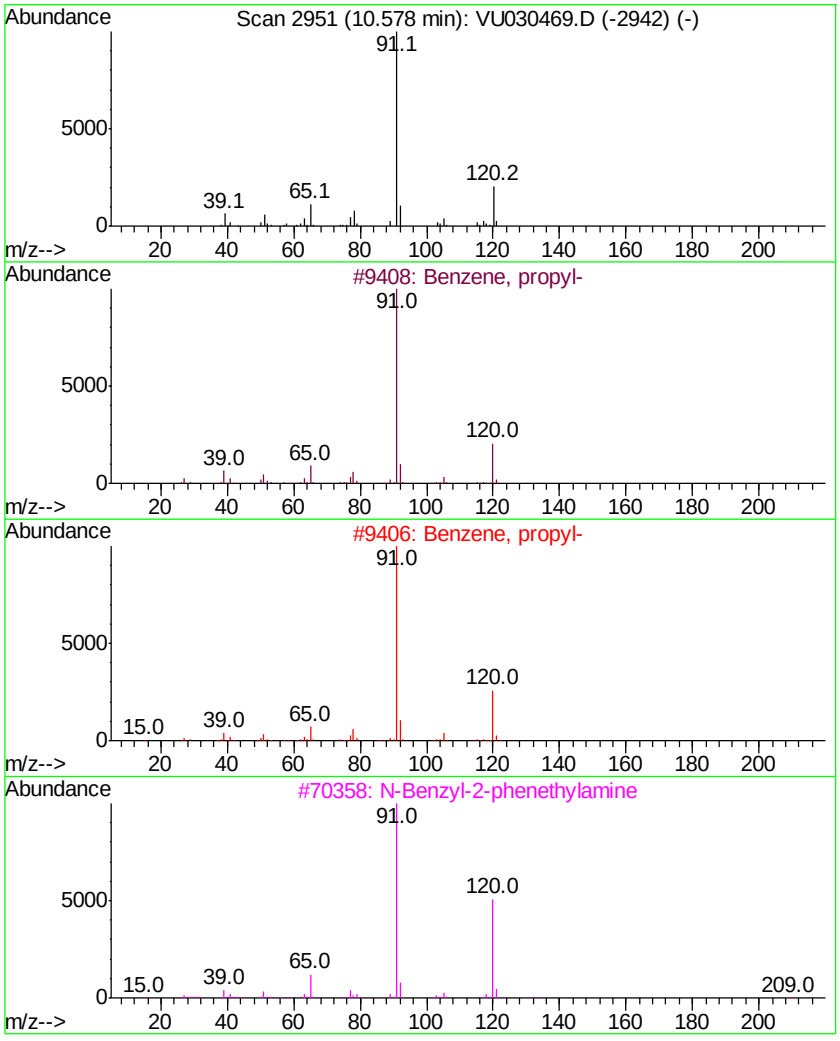
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

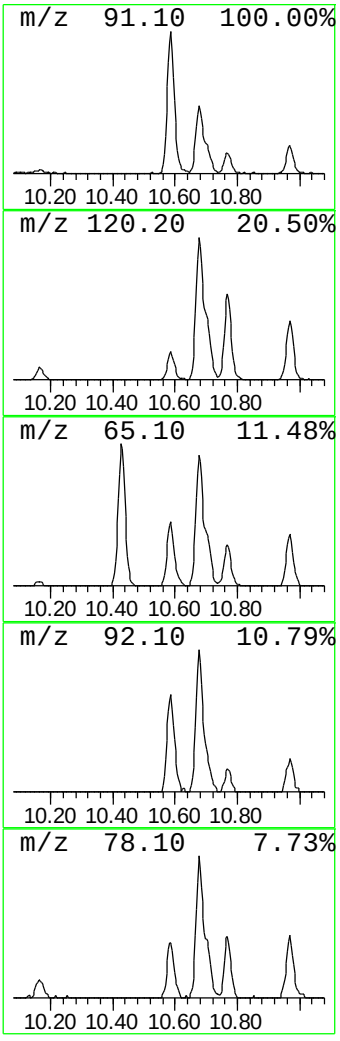
****

Peak Number 4 Benzene, propyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.58	4.36 ug/L	108818	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	80
3	N-Benzyl-2-phenethylamine	211	C15H17N	003647-71-0	78
4	Phenethylamine, N-benzyl-p-chloro-	245	C15H16ClN	013622-43-0	72
5	Ethanol, 2-[(phenylmethyl)amino]-	151	C9H13NO	000104-63-2	72





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032619\
Data File : VU030469.D
Acq On : 27 Mar 2019 01:23
Operator : JC/SP
Sample : K2063-16 100X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 43 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6S4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis

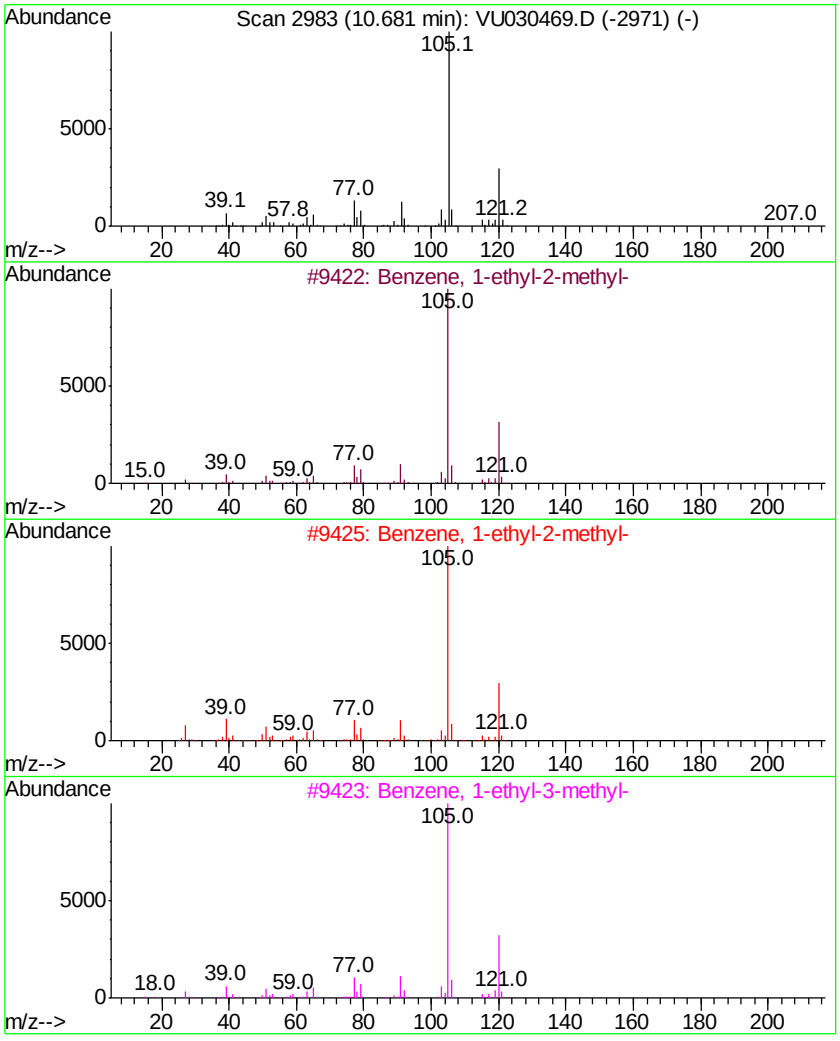
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

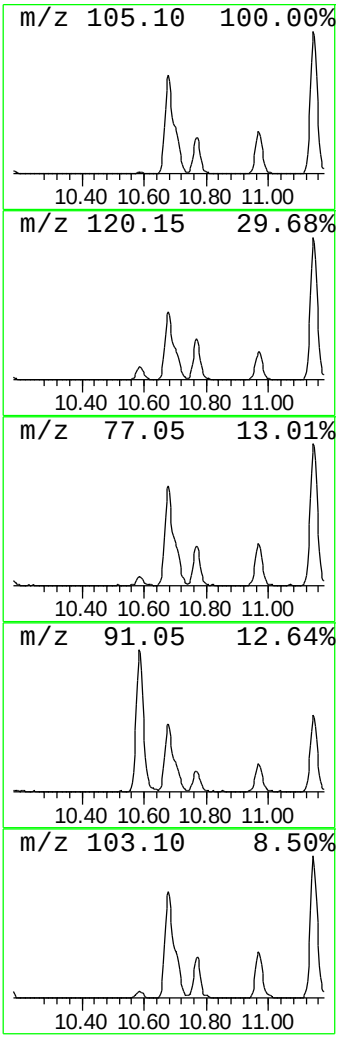
****

Peak Number 5 Benzene, 1-ethyl-2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.68	27.18 ug/L	678751	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-2-methyl-	120	C9H12	000611-14-3	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\VU032619\
Data File : VU030469.D
Acq On : 27 Mar 2019 01:23
Operator : JC/SP
Sample : K2063-16 100X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 43 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6S4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis

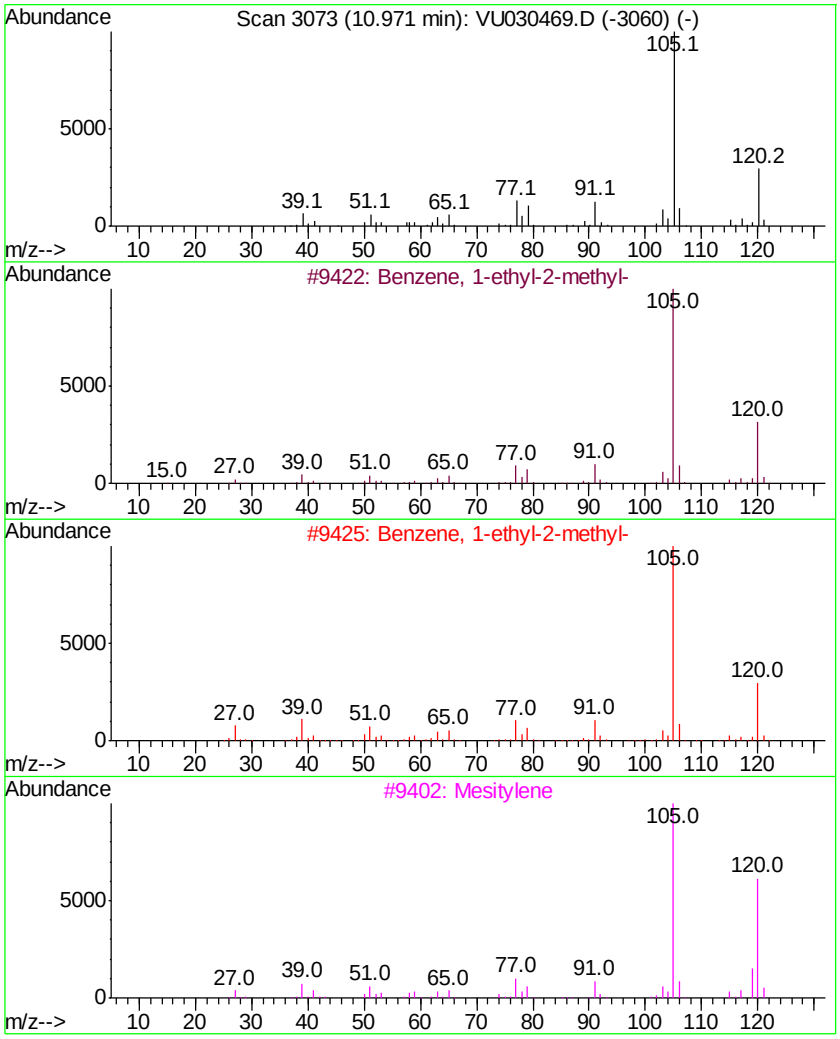
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

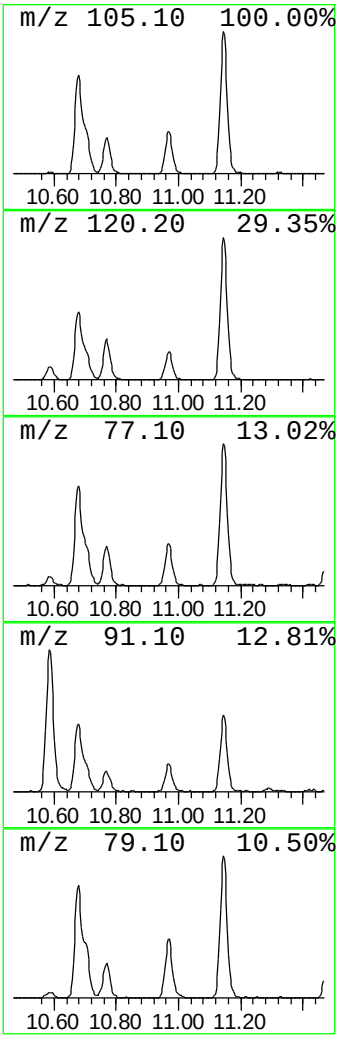
****

Peak Number 7 Benzene, 1-ethyl-3-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.97	9.09 ug/L	226911	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	94
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
3	Mesitylene	120	C9H12	000108-67-8	91
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032619\
Data File : VU030469.D
Acq On : 27 Mar 2019 01:23
Operator : JC/SP
Sample : K2063-16 100X
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 43 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6S4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis

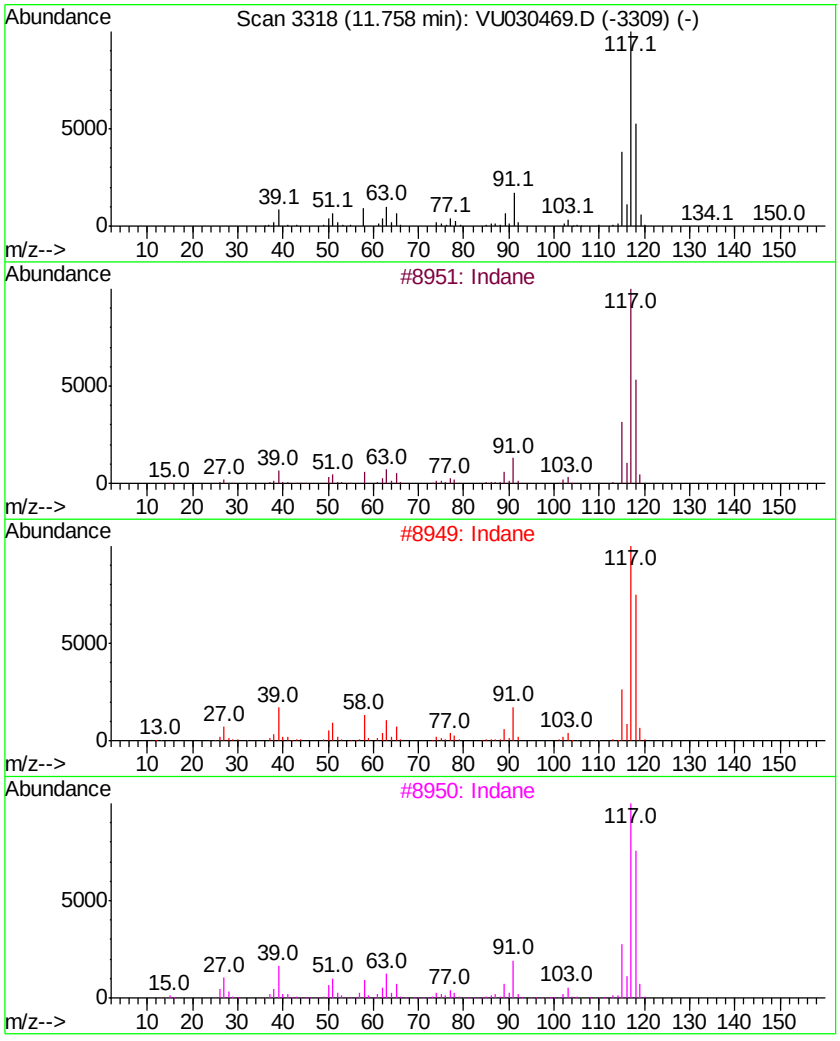
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

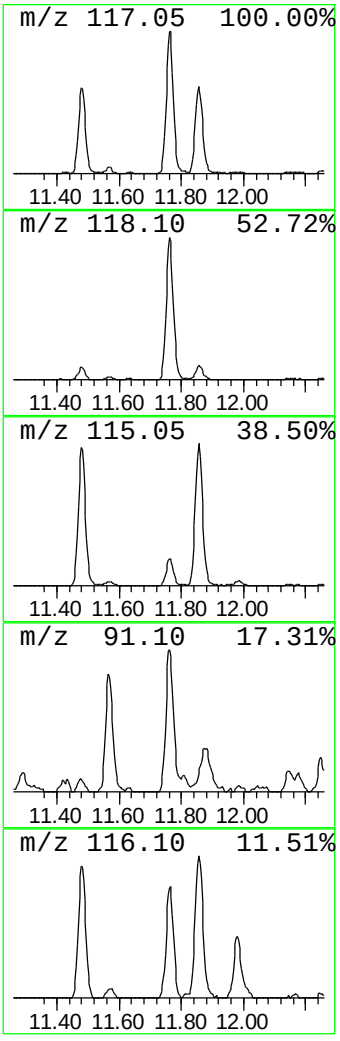
****

Peak Number 10 Indane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.76	8.54 ug/L	213215	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	95
2	Indane	118	C9H10	000496-11-7	92
3	Indane	118	C9H10	000496-11-7	90
4	Benzene, cyclopropyl-	118	C9H10	000873-49-4	81
5	Benzene, 2-propenyl-	118	C9H10	000300-57-2	74





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032619\
Data File : VU030469.D
Acq On : 27 Mar 2019 01:23
Operator : JC/SP
Sample : K2063-16 100X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 43 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB6S4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.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...	1.75	4.2	ug/L	97208	1	5.88	1147590	50.0
(DEL) Alkane: Cyc...	4.09	6.5	ug/L	148562	1	5.88	1147590	50.0
Benzene, propyl-	10.58	4.4	ug/L	108818	3	11.48	1248760	50.0
Benzene, 1-ethyl-...	10.68	27.2	ug/L	678751	3	11.48	1248760	50.0
Benzene, 1-ethyl-...	10.97	9.1	ug/L	226911	3	11.48	1248760	50.0
Indane	11.76	8.5	ug/L	213215	3	11.48	1248760	50.0