LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW080219\
Data File : VW011628.D
Acq On : 02 Aug 2019 17:27
Operator : SY/VA
Sample : K4117-06
Misc : 5.29G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : JLLF4

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_W\METHOD\SOM2WLM073019S.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	1.953	6	8	24	rVB3	17129	40567	2.91%	0.397%
2	2.148	35	40	47	rBV3	7238	15828	1.14%	0.155%
3	2.349	67	73	85	rVB	99569	177915	12.78%	1.739%
4	2.495	93	97	101	rBV	2124	3750	0.27%	0.037%
5	2.892	154	162	175	rBV	63668	159551	11.46%	1.560%
6	3.203	211	213	217	rVB5	763	797	0.06%	0.008%
7	3.263	219	223	224	rBV3	1045	1194	0.09%	0.012%
8	3.587	273	276	279	rBV4	797	1213	0.09%	0.012%
9	3.855	314	320	322	rBV3	2652	4286	0.31%	0.042%
10	4.019	336	347	359	rBV2	154919	493432	35.45%	4.824%
11	4.397	400	409	411	rBV3	2386	5879	0.42%	0.057%
12	4.617	440	445	449	rVV5	927	1770	0.13%	0.017%
13	4.916	483	494	509	rBV4	12852	56774	4.08%	0.555%
14	5.397	568	573	574	rBV3	743	1232	0.09%	0.012%
15	5.428	574	578	579	rBV2	1593	1847	0.13%	0.018%
16	5.769	623	634	636	rBV4	2832	7332	0.53%	0.072%
17	5.934	652	661	671	rBV4	5163	16556	1.19%	0.162%
18	6.104	683	689	690	rBV4	673	1059	0.08%	0.010%
19	6.293	718	720	726	rVB5	581	757	0.05%	0.007%
20	6.866	806	814	825	rBV4	4946	16919	1.22%	0.165%
21	6.982	826	833	840	rVB7	3106	8384	0.60%	0.082%
22	7.074	840	848	853	rBV	46221	122449	8.80%	1.197%
23	7.501	914	918	919	rBV2	655	902	0.06%	0.009%
24	7.647	930	942	961	rVV	226661	560490	40.27%	5.479%
25	7.933	978	989	990	rBV4	4681	10729	0.77%	0.105%
26	8.031	999	1005	1015	rVB2	16815	39259	2.82%	0.384%
27	8.153	1020	1025	1032	rBV4	5361	10278	0.74%	0.100%
28	8.275	1032	1045	1062	rBV2	476617	1391722	100.00%	13.606%
29	8.397	1062	1065	1066	rVV3	1284	1230	0.09%	0.012%
30	8.482	1066	1079	1089	rVV2	22134	67949	4.88%	0.664%
31	8.573	1091	1094	1101	rVB8	2821	5461	0.39%	0.053%
32	8.695	1105	1114	1120	rVB6	3590	8568	0.62%	0.084%
33	8.842	1127	1138	1149	rBV	471290	955359	68.65%	9.340%
34	9.000	1160	1164	1168	rVB5	1880	2955	0.21%	0.029%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW080219\
Data File : VW011628.D
Acq On : 02 Aug 2019 17:27
Operator : SY/VA
Sample : K4117-06
Misc : 5.29G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : JLLF4

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_W\METHOD\SOM2WLM073019S.M
Title : VOC Analysis

35	9.067	1171	1175	1176	rBV3	2935	3291	0.24%	0.032%
36	9.275	1200	1209	1217	rBV	321077	664636	47.76%	6.498%
37	9.384	1224	1227	1233	rVB5	5429	9344	0.67%	0.091%
38	9.470	1235	1241	1243	rBV5	2315	3678	0.26%	0.036%
39	9.604	1254	1263	1268	rBV8	2656	6546	0.47%	0.064%
40	9.671	1268	1274	1277	rVV6	1708	3348	0.24%	0.033%
41	9.756	1281	1288	1298	rVB	25958	53077	3.81%	0.519%
42	9.890	1298	1310	1317	rBV2	32617	78557	5.64%	0.768%
43	10.037	1326	1334	1345	rBV	157559	289297	20.79%	2.828%
44	10.207	1358	1362	1364	rBV4	2555	4119	0.30%	0.040%
45	10.250	1365	1369	1374	rVB3	6544	11294	0.81%	0.110%
46	10.323	1374	1381	1389	rBV	615020	1074420	77.20%	10.504%
47	10.512	1405	1412	1417	rBV10	3082	8156	0.59%	0.080%
48	10.579	1417	1423	1434	rVB	98239	174895	12.57%	1.710%
49	10.665	1434	1437	1438	rBV2	1008	1263	0.09%	0.012%
50	10.707	1438	1444	1453	rBV	39473	77791	5.59%	0.760%
51	10.847	1462	1467	1472	rVB6	2694	4912	0.35%	0.048%
52	10.927	1473	1480	1492	rBV	163448	286472	20.58%	2.801%
53	11.061	1497	1502	1508	rVV	24193	40740	2.93%	0.398%
54	11.286	1535	1539	1544	rBV5	1317	2499	0.18%	0.024%
55	11.341	1544	1548	1550	rVB5	1034	1229	0.09%	0.012%
56	11.439	1554	1564	1570	rVB3	10837	22229	1.60%	0.217%
57	11.524	1575	1578	1581	rBV4	815	1286	0.09%	0.013%
58	11.634	1588	1596	1604	rBV	582659	977243	70.22%	9.554%
59	11.731	1609	1612	1623	rVB3	4342	8054	0.58%	0.079%
60	11.847	1623	1631	1642	rBV	25749	55434	3.98%	0.542%
61	12.067	1664	1667	1671	rVV5	1298	2307	0.17%	0.023%
62	12.128	1675	1677	1678	rVV	1229	1000	0.07%	0.010%
63	12.170	1679	1684	1691	rVB3	5812	10480	0.75%	0.102%
64	12.341	1708	1712	1723	rVB6	2086	4661	0.33%	0.046%
65	12.463	1726	1732	1736	rBV4	3863	7198	0.52%	0.070%
66	12.524	1736	1742	1748	rVV2	30485	48185	3.46%	0.471%
67	12.609	1750	1756	1763	rVB	35340	61686	4.43%	0.603%
68	12.695	1763	1770	1777	rBV	193818	328473	23.60%	3.211%
69	12.804	1786	1788	1793	rVB4	4162	6623	0.48%	0.065%
70	12.871	1793	1799	1800	rBV4	4108	6370	0.46%	0.062%
71	12.902	1800	1804	1806	rVV2	10245	15882	1.14%	0.155%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW080219\
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Acq On : 02 Aug 2019 17:27
Operator : SY/VA
Sample : K4117-06
Misc : 5.29G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : JLLF4

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_W\METHOD\SOM2WLM073019S.M
Title : VOC Analysis

72	12.939	1806	1810	1819	rVB3	15473	30051	2.16%	0.294%
73	13.048	1823	1828	1831	rBV4	6443	10806	0.78%	0.106%
74	13.103	1832	1837	1844	rVB	27472	46771	3.36%	0.457%
75	13.170	1844	1848	1849	rBV3	830	1134	0.08%	0.011%
76	13.195	1850	1852	1856	rVV4	2131	2699	0.19%	0.026%
77	13.249	1856	1861	1866	rVV	58702	92707	6.66%	0.906%
78	13.298	1866	1869	1873	rVB2	5774	8577	0.62%	0.084%
79	13.414	1878	1888	1891	rBV8	4646	11407	0.82%	0.112%
80	13.506	1899	1903	1905	rBV5	1749	2218	0.16%	0.022%
81	13.560	1905	1912	1922	rVV	425775	707242	50.82%	6.914%
82	13.652	1922	1927	1933	rVB	26905	40955	2.94%	0.400%
83	13.762	1940	1945	1953	rVB	28860	47179	3.39%	0.461%
84	13.853	1953	1960	1968	rVV	337632	562022	40.38%	5.494%
85	13.951	1972	1976	1981	rVB4	2625	4608	0.33%	0.045%
86	14.012	1981	1986	1990	rBV7	4439	7972	0.57%	0.078%
87	14.073	1992	1996	2005	rVB3	13605	30269	2.17%	0.296%
88	14.158	2008	2010	2013	rBV3	1258	1364	0.10%	0.013%
89	14.207	2013	2018	2023	rVB2	8443	13234	0.95%	0.129%
90	14.274	2023	2029	2030	rBV5	946	1411	0.10%	0.014%
91	14.329	2035	2038	2045	rVB8	3712	6016	0.43%	0.059%
92	14.426	2050	2054	2058	rBV7	2967	5759	0.41%	0.056%
93	14.548	2072	2074	2077	rVB4	1462	1122	0.08%	0.011%
94	14.688	2094	2097	2100	rBV5	1702	2489	0.18%	0.024%
95	14.804	2109	2116	2123	rBV6	5143	12265	0.88%	0.120%
96	14.944	2136	2139	2140	rBV3	707	904	0.06%	0.009%
97	14.981	2143	2145	2150	rVB6	1100	1841	0.13%	0.018%
98	15.438	2213	2220	2225	rVB2	12753	22605	1.62%	0.221%
99	16.109	2327	2330	2331	rBV4	579	755	0.05%	0.007%
100	16.286	2356	2359	2361	rBV4	1029	1581	0.11%	0.015%

Sum of corrected areas: 10229031

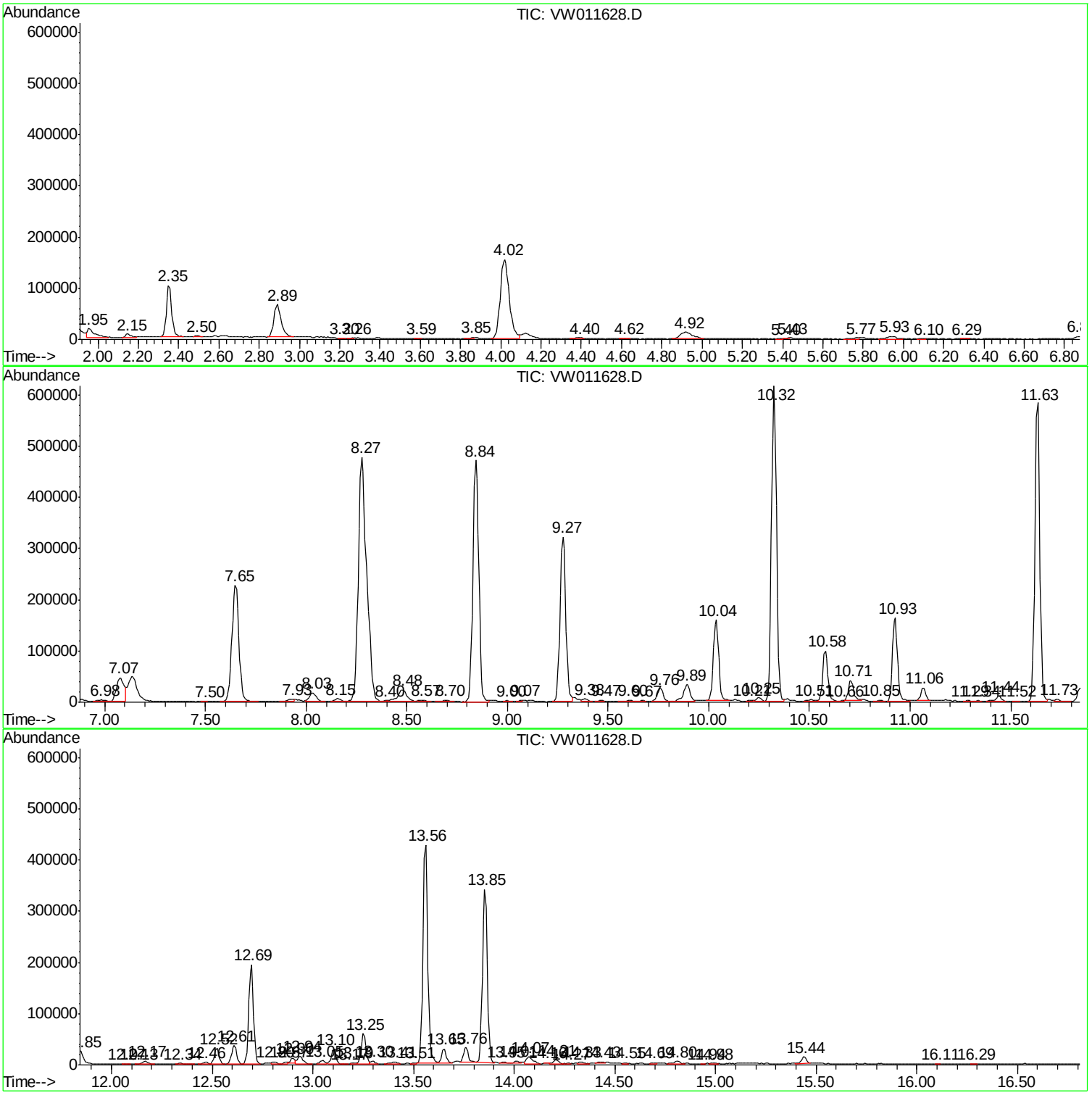
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW080219\
Data File : VW011628.D
Acq On : 02 Aug 2019 17:27
Operator : SY/VA
Sample : K4117-06
Misc : 5.29G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : JLLF4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073019S.M
Quant Title : VOC Analysis

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW080219\
Data File : VW011628.D
Acq On : 02 Aug 2019 17:27
Operator : SY/VA
Sample : K4117-06
Misc : 5.29G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : JLLF4

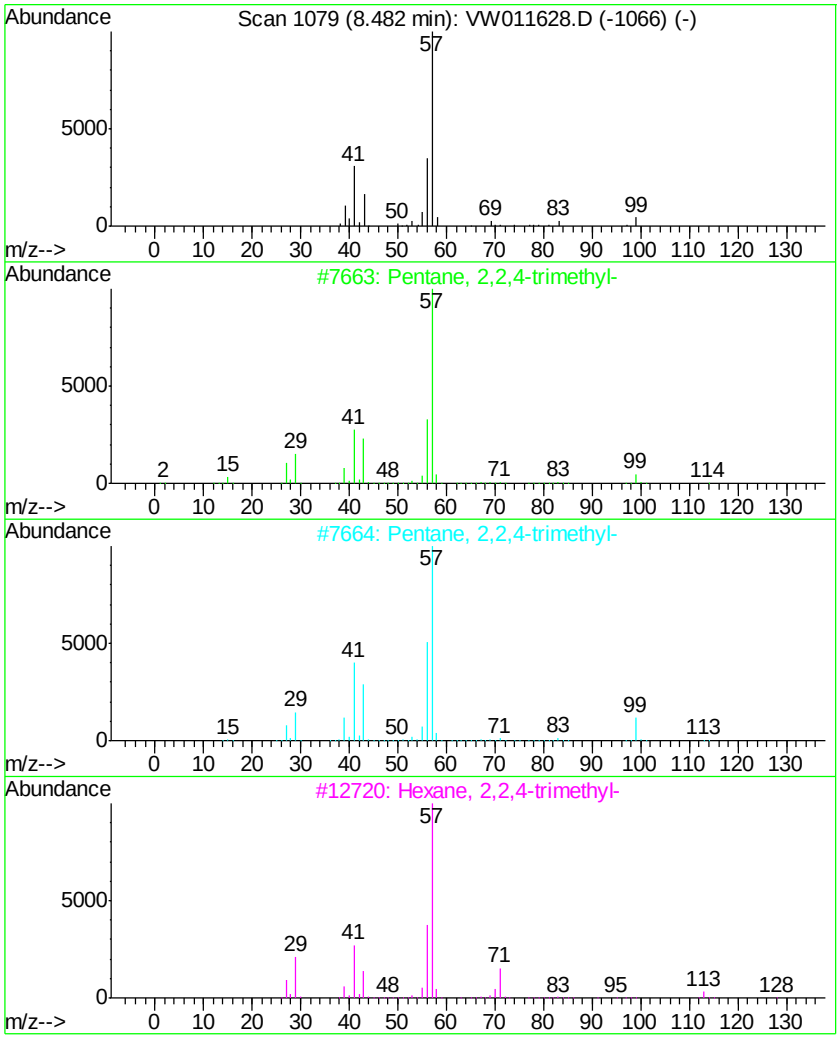
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073019S.M
Quant Title : VOC Analysis

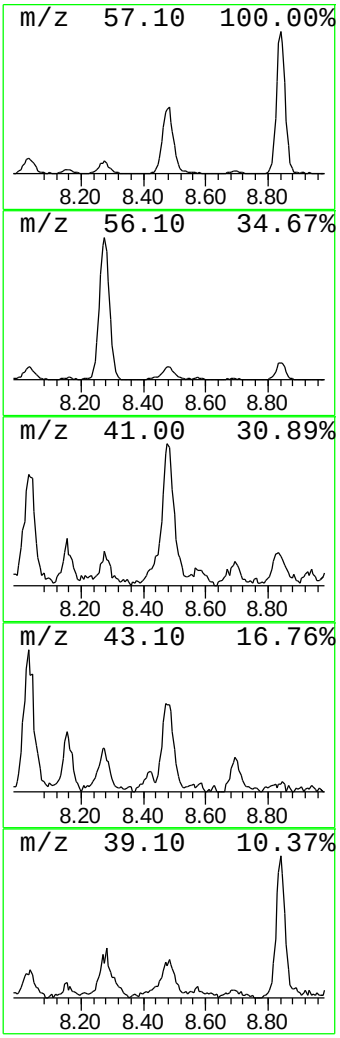
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.48	1.78 ug/L	67949	1,4-Difluorobenzene	8.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	72
2	Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	72
3	Hexane, 2,2,4-trimethyl-	128	C9H20	016747-26-5	64
4	Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	64
5	Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	50





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW080219\
Data File : VW011628.D
Acq On : 02 Aug 2019 17:27
Operator : SY/VA
Sample : K4117-06
Misc : 5.29G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : JLLF4

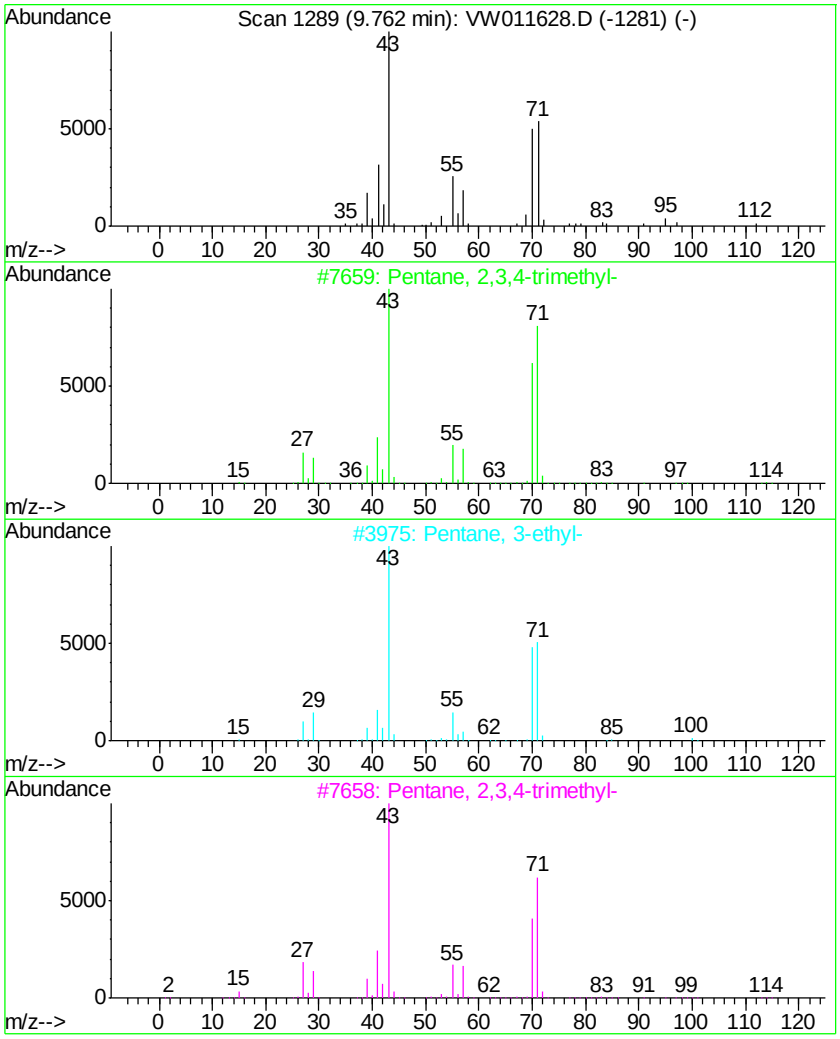
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073019S.M
Quant Title : VOC Analysis

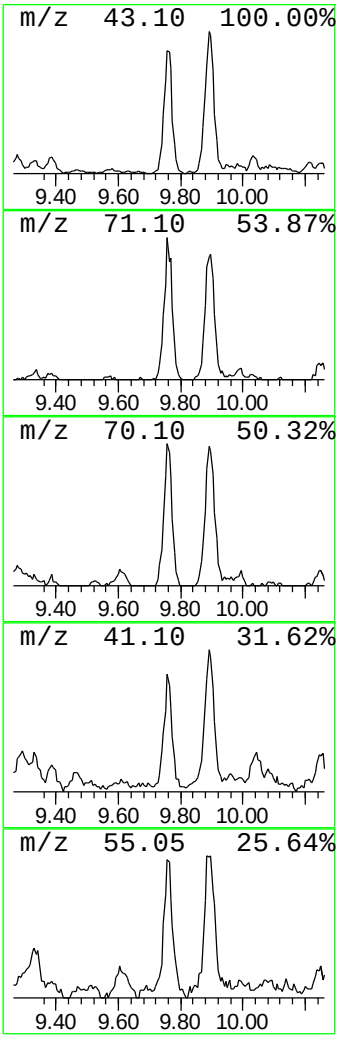
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.76	1.39 ug/L	53077	1,4-Difluorobenzene	8.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	72
2	Pentane, 3-ethyl-	100	C7H16	000617-78-7	64
3	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	56
4	3,3-Dimethyl-2-pentanol	116	C7H16O	019781-24-9	56
5	Ethanedioic acid, bis(3-methylbu...	230	C12H22O4	002051-00-5	50





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW080219\
Data File : VW011628.D
Acq On : 02 Aug 2019 17:27
Operator : SY/VA
Sample : K4117-06
Misc : 5.29G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : JLLF4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073019S.M
Quant Title : VOC Analysis

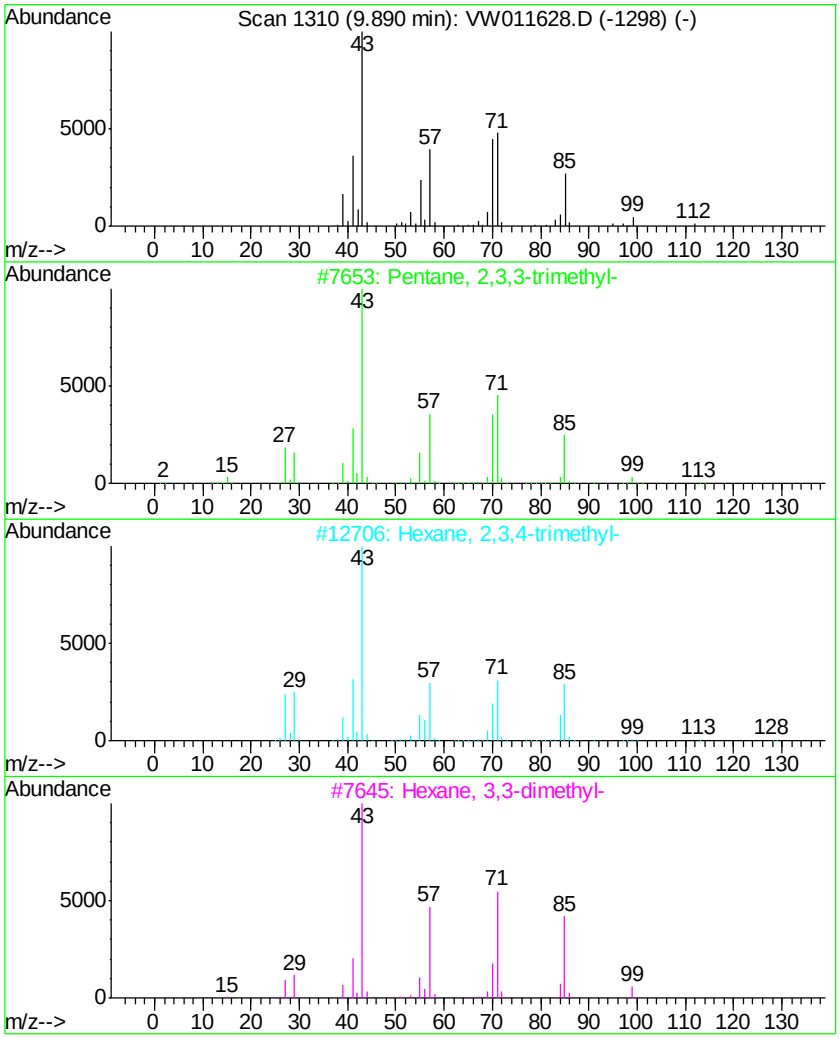
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

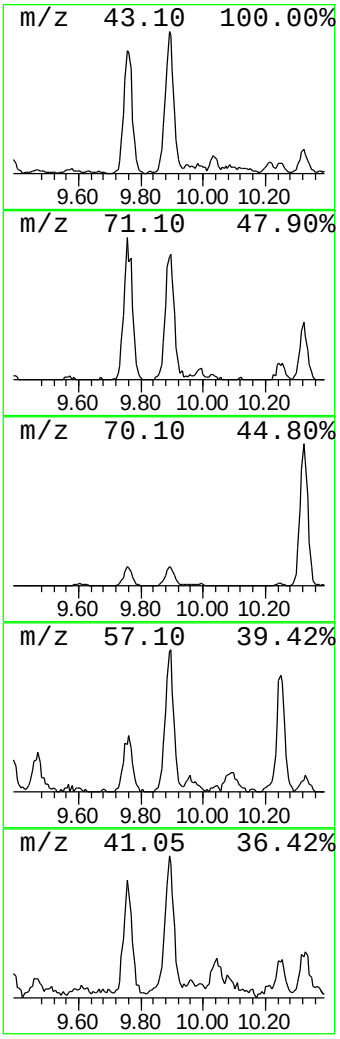
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.89	2.06 ug/L	78557	1,4-Difluorobenzene	8.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3,3-trimethyl-	114	C8H18	000560-21-4	72
2	Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	59
3	Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	50
4	Pentane, 2,3,3-trimethyl-	114	C8H18	000560-21-4	50
5	Sulfurous acid, hexyl pentyl ester	236	C11H24O3S	1000309-14-1	50





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW080219\
Data File : VW011628.D
Acq On : 02 Aug 2019 17:27
Operator : SY/VA
Sample : K4117-06
Misc : 5.29G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : JLLF4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073019S.M
Quant Title : VOC Analysis

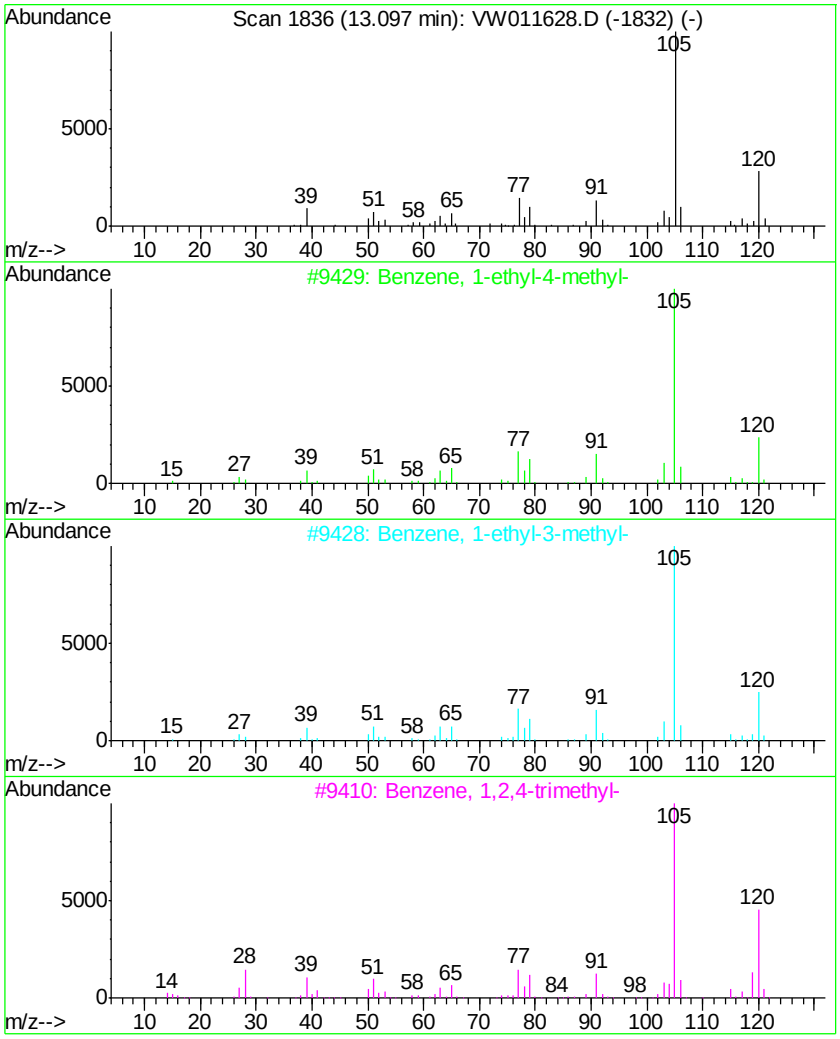
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

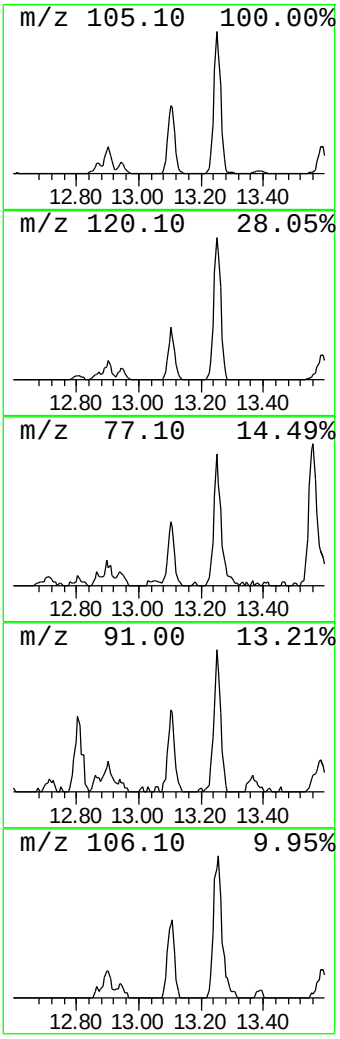
****

Peak Number 8 Benzene, 1-ethyl-4-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.10	1.65 ug/L	46771	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	95
2	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
4	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW080219\
Data File : VW011628.D
Acq On : 02 Aug 2019 17:27
Operator : SY/VA
Sample : K4117-06
Misc : 5.29G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : JLLF4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073019S.M
Quant Title : VOC Analysis

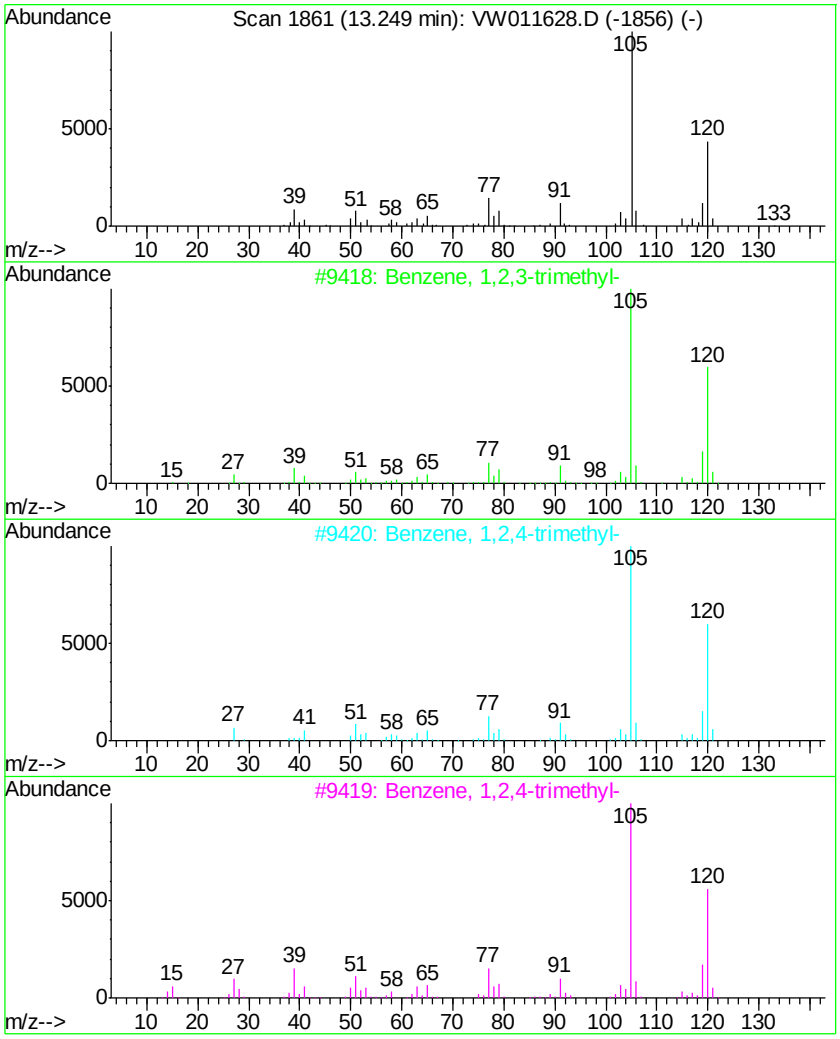
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

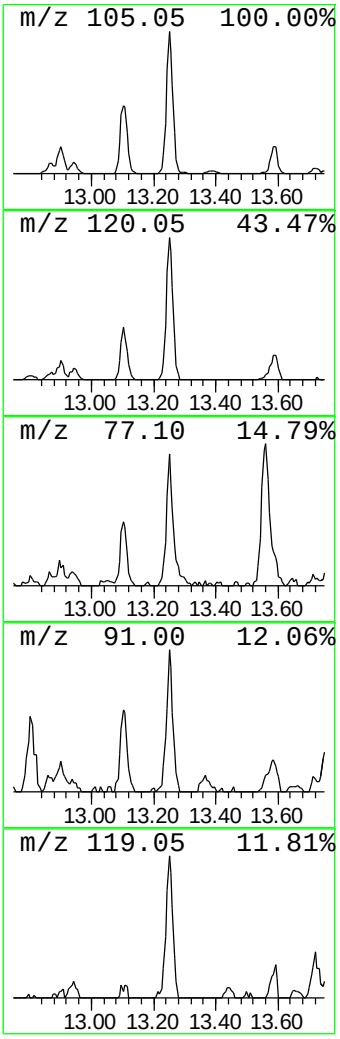
****

Peak Number 9 Benzene, 1,2,3-trimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.25	3.28 ug/L	92707	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	97
2	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	95
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	95
4	Mesitylene	120	C9H12	000108-67-8	94
5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	94





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Data File : VW011628.D
Acq On : 02 Aug 2019 17:27
Operator : SY/VA
Sample : K4117-06
Misc : 5.29G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : JLLF4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073019S.M
Quant Title : VOC Analysis

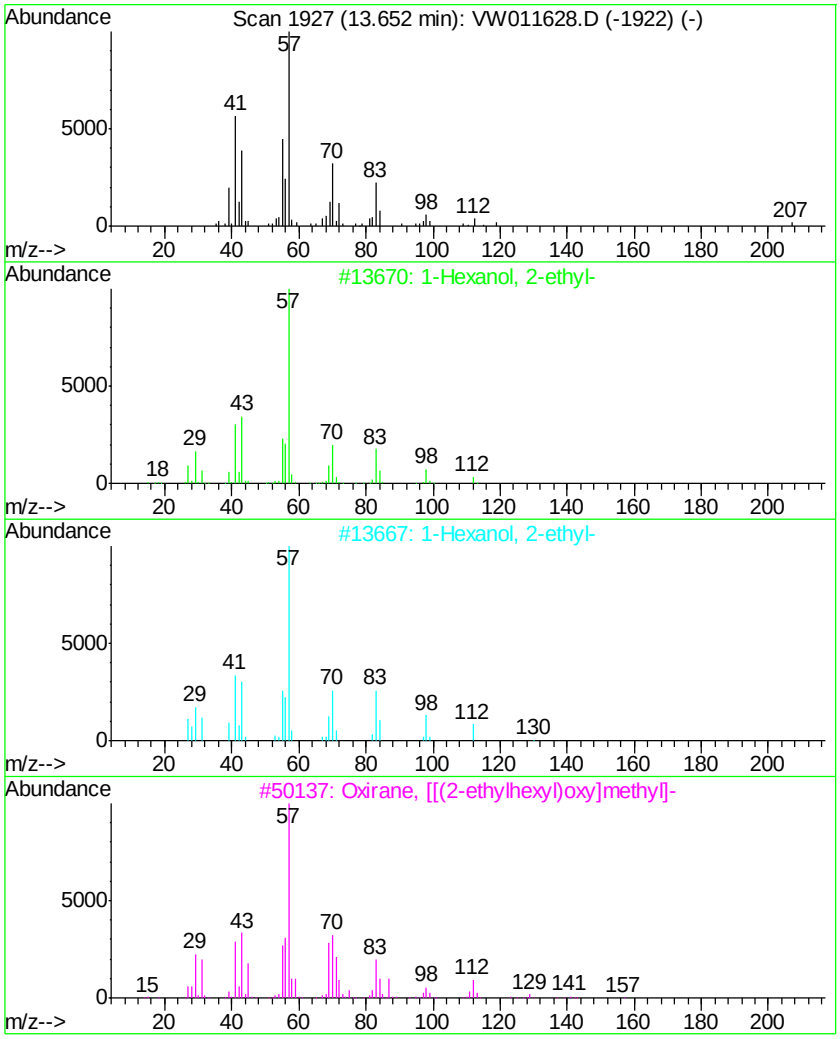
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

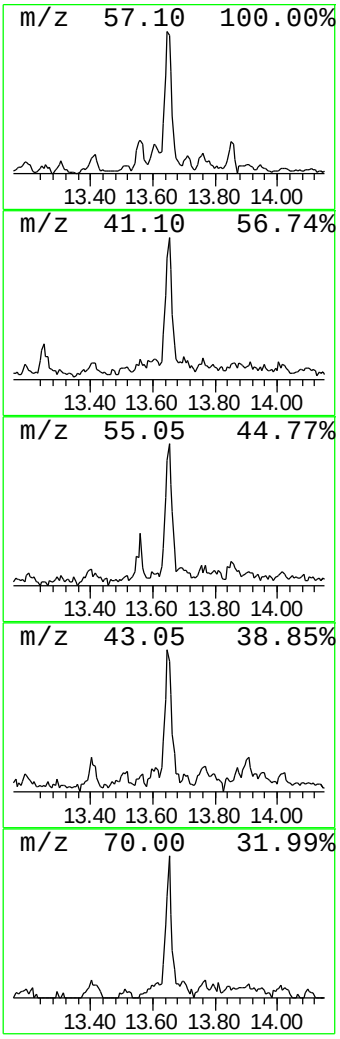
****

Peak Number 10 1-Hexanol, 2-ethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.65	1.45 ug/L	40955	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	72
2	1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	72
3	Oxirane, [[(2-ethylhexyl)oxy]met...	186	C11H22O2	002461-15-6	64
4	1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	64
5	Carbonic acid, isobutyl 2-ethylh...	230	C13H26O3	1000357-82-9	53





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW080219\
Data File : VW011628.D
Acq On : 02 Aug 2019 17:27
Operator : SY/VA
Sample : K4117-06
Misc : 5.29G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : JLLF4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073019S.M
Quant Title : VOC Analysis

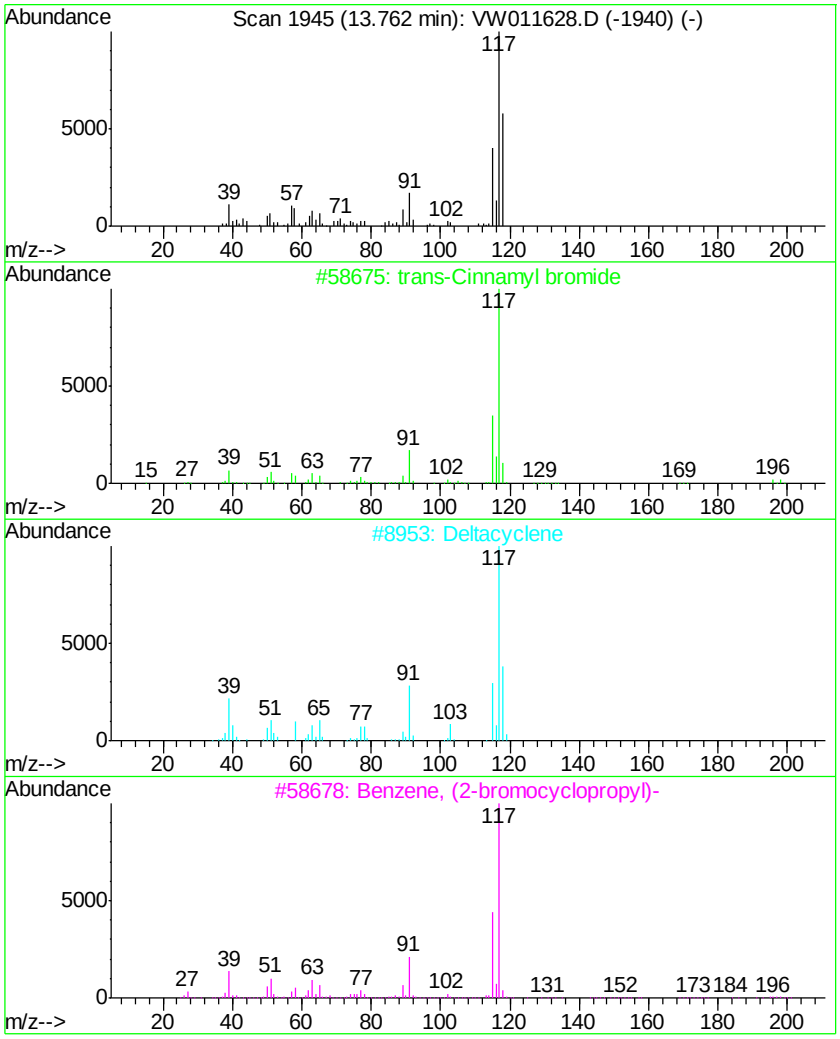
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

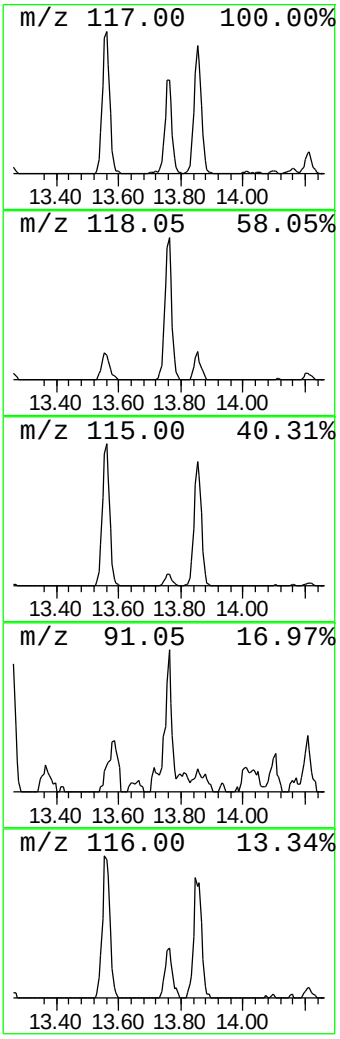
****

Peak Number 11 trans-Cinnamyl bromide Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.76	1.67 ug/L	47179	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	trans-Cinnamyl bromide	196	C9H9Br	026146-77-0	64
2	Deltacyclene	118	C9H10	007785-10-6	53
3	Benzene, (2-bromocyclopropyl)-	196	C9H9Br	036617-02-4	53
4	Benzene, (2-bromocyclopropyl)-	196	C9H9Br	036617-02-4	45
5	Indole	117	C8H7N	000120-72-9	43





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW080219\
Data File : VW011628.D
Acq On : 02 Aug 2019 17:27
Operator : SY/VA
Sample : K4117-06
Misc : 5.29G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : JLLF4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073019S.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...	8.48	1.8	ug/L	67949	1	8.84	955359	25.0
(DEL) Alkane: Str...	9.76	1.4	ug/L	53077	1	8.84	955359	25.0
(DEL) Alkane: Str...	9.89	2.1	ug/L	78557	1	8.84	955359	25.0
Benzene, 1-ethyl-...	13.10	1.6	ug/L	46771	3	13.56	707242	25.0
Benzene, 1,2,3-tr...	13.25	3.3	ug/L	92707	3	13.56	707242	25.0
1-Hexanol, 2-ethyl-	13.65	1.5	ug/L	40955	3	13.56	707242	25.0
trans-Cinnamyl br...	13.76	1.7	ug/L	47179	3	13.56	707242	25.0