LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062918\
Data File : VU025068.D
Acq On : 29 Jun 2018 14:22
Operator : MD/SY
Sample : J3661-01
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : X2D19

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\SOMULM062918WMA.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	0.767	51	55	61	rBV2	371	366	0.02%	0.001%
2	1.088	140	155	175	rBV	1315462	1469732	64.37%	4.585%
3	1.403	244	253	267	rBV2	475305	549290	24.06%	1.714%
4	1.567	297	304	312	rBV	141926	146359	6.41%	0.457%
5	1.667	328	335	352	rVB	114994	156802	6.87%	0.489%
6	1.882	392	402	419	rBV	495823	695807	30.47%	2.171%
7	2.278	512	525	536	rBV3	584253	1045877	45.80%	3.263%
8	2.339	537	544	559	rVB	83172	131958	5.78%	0.412%
9	2.426	560	571	584	rBV	142326	229124	10.03%	0.715%
10	2.612	620	629	640	rVV5	1798	3455	0.15%	0.011%
11	2.696	647	655	666	rBV5	1532	2699	0.12%	0.008%
12	2.744	666	670	674	rBV2	432	333	0.01%	0.001%
13	2.837	686	699	715	rVV	5409	12312	0.54%	0.038%
14	2.998	730	749	776	rBV	579265	1248980	54.70%	3.897%
15	3.127	785	789	793	rVB3	527	474	0.02%	0.001%
16	3.307	834	845	855	rBV4	2485	5181	0.23%	0.016%
17	3.394	869	872	874	rVV2	580	371	0.02%	0.001%
18	3.452	882	890	896	rVB3	1106	1700	0.07%	0.005%
19	3.545	915	919	925	rBV	335	451	0.02%	0.001%
20	3.921	1032	1036	1042	rBV	395	487	0.02%	0.002%
21	3.966	1046	1050	1054	rBV2	294	315	0.01%	0.001%
22	4.175	1099	1115	1121	rBV	101554	226722	9.93%	0.707%
23	4.423	1189	1192	1200	rVB4	1012	1049	0.05%	0.003%
24	4.561	1229	1235	1242	rVB4	670	865	0.04%	0.003%
25	4.651	1245	1263	1287	rBV	203641	499285	21.87%	1.558%
26	4.879	1328	1334	1335	rBV2	810	691	0.03%	0.002%
27	5.342	1450	1478	1487	rBV2	417891	1249499	54.72%	3.898%
28	5.802	1614	1621	1626	rVV4	533	849	0.04%	0.003%
29	5.889	1631	1648	1674	rBV	414076	821849	35.99%	2.564%
30	6.053	1697	1699	1703	rVB3	590	385	0.02%	0.001%
31	6.188	1726	1741	1772	rBV	517079	1012089	44.32%	3.158%
32	6.332	1772	1786	1799	rBV	277380	554368	24.28%	1.730%
33	6.419	1799	1813	1833	rVB3	942014	2023854	88.63%	6.314%
34	6.577	1860	1862	1865	rVV3	560	340	0.01%	0.001%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062918\
Data File : VU025068.D
Acq On : 29 Jun 2018 14:22
Operator : MD/SY
Sample : J3661-01
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : X2D19

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\SOMULM062918WMA.M
Title : VOC Analysis

35	6.631	1877	1879	1885	rVB2	546	507	0.02%	0.002%
36	6.869	1949	1953	1955	rBV3	514	414	0.02%	0.001%
37	7.104	2014	2026	2030	rBV4	1212	1939	0.08%	0.006%
38	7.230	2053	2065	2085	rBV	169501	301659	13.21%	0.941%
39	7.303	2085	2088	2094	rVB4	537	532	0.02%	0.002%
40	7.348	2099	2102	2107	rVB3	527	458	0.02%	0.001%
41	7.384	2107	2113	2115	rBV3	693	817	0.04%	0.003%
42	7.461	2121	2137	2157	rBV	735120	1302855	57.06%	4.065%
43	7.567	2158	2170	2188	rVV	597934	1037406	45.43%	3.237%
44	7.763	2229	2231	2238	rVB4	608	604	0.03%	0.002%
45	7.853	2247	2259	2282	rBV	119102	204994	8.98%	0.640%
46	7.992	2300	2302	2307	rBV2	418	328	0.01%	0.001%
47	8.069	2314	2326	2344	rBV	236827	407544	17.85%	1.272%
48	8.229	2363	2376	2391	rVV	484385	814032	35.65%	2.540%
49	8.313	2391	2402	2410	rVV	367286	610883	26.75%	1.906%
50	8.365	2410	2418	2442	rVV	650990	1064061	46.60%	3.320%
51	8.480	2442	2454	2469	rVB	212330	362976	15.90%	1.132%
52	8.590	2474	2488	2506	rBV	483688	822327	36.01%	2.566%
53	8.802	2547	2554	2556	rBV3	463	581	0.03%	0.002%
54	8.908	2585	2587	2593	rVB2	515	515	0.02%	0.002%
55	8.982	2607	2610	2611	rBV	671	350	0.02%	0.001%
56	9.091	2632	2644	2666	rBV	592818	975855	42.74%	3.045%
57	9.252	2681	2694	2715	rBV	1222961	1908904	83.60%	5.956%
58	9.384	2725	2735	2745	rVB3	7547	12469	0.55%	0.039%
59	9.442	2750	2753	2755	rBV3	587	410	0.02%	0.001%
60	9.516	2771	2776	2781	rVB3	413	417	0.02%	0.001%
61	9.548	2781	2786	2789	rBV2	430	407	0.02%	0.001%
62	9.782	2845	2859	2878	rBV	529039	838442	36.72%	2.616%
63	9.966	2908	2916	2923	rBV2	1662	2359	0.10%	0.007%
64	10.168	2965	2979	3005	rBV	1472561	2283409	100.00%	7.124%
65	10.313	3018	3024	3031	rVB5	1236	1762	0.08%	0.005%
66	10.435	3050	3062	3078	rBV	406026	645329	28.26%	2.013%
67	10.657	3120	3131	3143	rBV	29599	47573	2.08%	0.148%
68	10.818	3167	3181	3200	rBV	345869	494056	21.64%	1.541%
69	11.011	3230	3241	3252	rBV	23307	38506	1.69%	0.120%
70	11.085	3260	3264	3267	rBV4	563	493	0.02%	0.002%
71	11.098	3267	3268	3276	rVB2	604	417	0.02%	0.001%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062918\
Data File : VU025068.D
Acq On : 29 Jun 2018 14:22
Operator : MD/SY
Sample : J3661-01
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : X2D19

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\SOMULM062918WMA.M
Title : VOC Analysis

72	11.155	3283	3286	3291	rVB3	472	407	0.02%	0.001%
73	11.307	3323	3333	3341	rVV6	4229	8345	0.37%	0.026%
74	11.358	3342	3349	3356	rVV2	8250	12994	0.57%	0.041%
75	11.419	3356	3368	3379	rVV	858210	1339614	58.67%	4.180%
76	11.487	3379	3389	3408	rVB	684096	1082174	47.39%	3.376%
77	11.580	3415	3418	3422	rVB3	927	547	0.02%	0.002%
78	11.618	3428	3430	3432	rBV	521	332	0.01%	0.001%
79	11.696	3441	3454	3465	rBV2	24350	41383	1.81%	0.129%
80	11.798	3482	3486	3489	rBV3	582	527	0.02%	0.002%
81	11.863	3493	3506	3510	rBV	701143	1062499	46.53%	3.315%
82	12.287	3634	3638	3643	rBV4	706	772	0.03%	0.002%
83	12.323	3643	3649	3652	rBV5	1081	1209	0.05%	0.004%
84	12.487	3690	3700	3703	rBV3	1337	1865	0.08%	0.006%
85	12.573	3721	3727	3738	rBV4	949	1383	0.06%	0.004%
86	12.892	3813	3826	3847	rBV	736095	1143192	50.07%	3.567%
87	13.001	3851	3860	3872	rVB5	6385	10932	0.48%	0.034%
88	13.223	3919	3929	3940	rVB5	14015	20123	0.88%	0.063%
89	13.303	3949	3954	3955	rBV	1105	827	0.04%	0.003%
90	13.319	3956	3959	3964	rVB3	1744	1688	0.07%	0.005%
91	13.506	4005	4017	4038	rVV	617081	992606	43.47%	3.097%
92	13.599	4040	4046	4053	rVB7	6199	9174	0.40%	0.029%
93	13.750	4084	4093	4103	rBV	14084	23071	1.01%	0.072%
94	13.995	4160	4169	4179	rVV3	7960	12570	0.55%	0.039%
95	14.332	4270	4274	4276	rBV2	560	428	0.02%	0.001%
96	14.525	4331	4334	4341	rBV5	533	547	0.02%	0.002%
97	14.885	4441	4446	4447	rBV2	364	357	0.02%	0.001%
98	15.335	4584	4586	4595	rBV3	461	639	0.03%	0.002%
99	15.982	4783	4787	4790	rBV3	756	723	0.03%	0.002%
100	16.091	4818	4821	4824	rBV3	735	575	0.03%	0.002%

Sum of corrected areas: 32052011

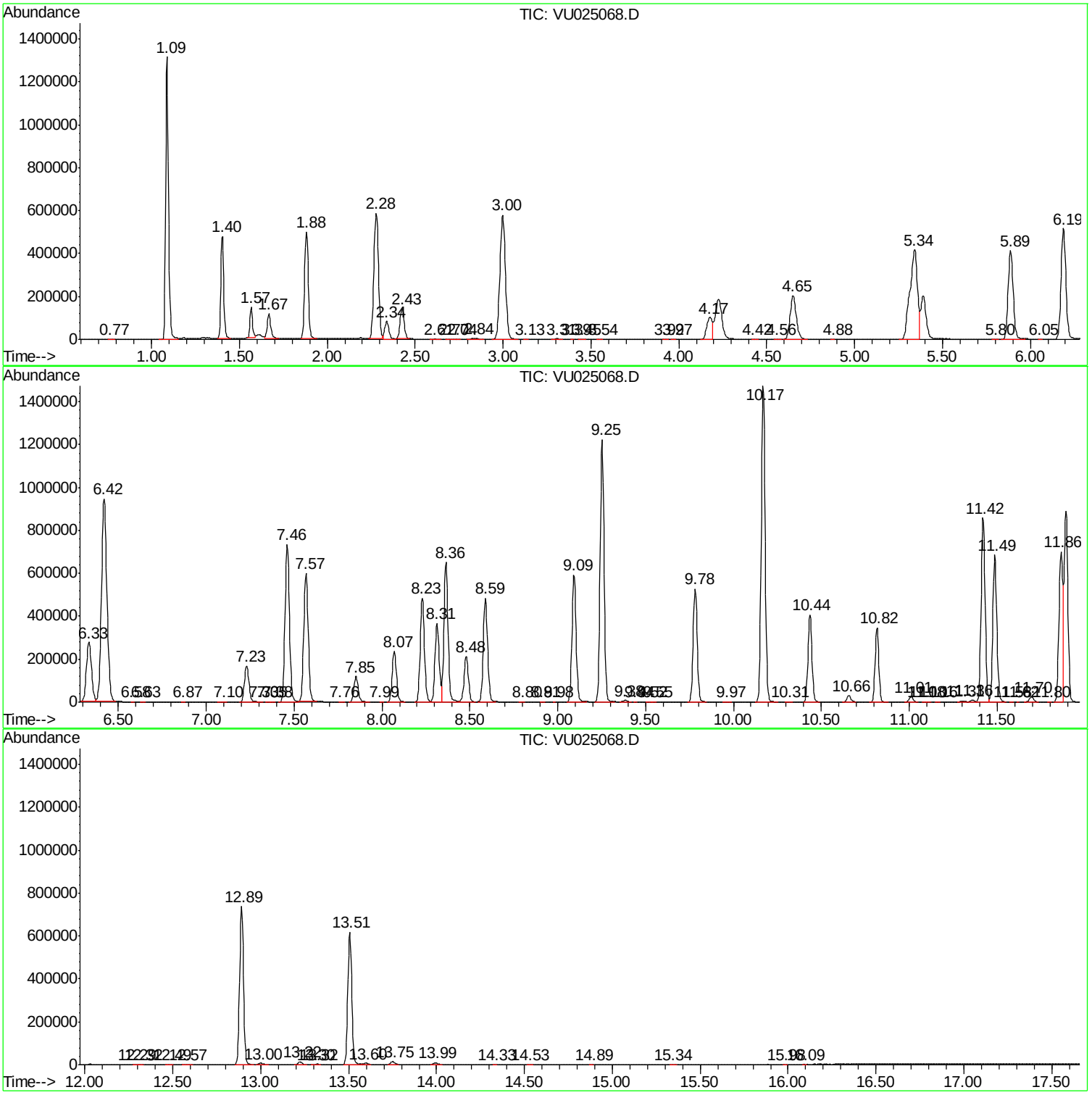
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU062918\
Data File : VU025068.D
Acq On : 29 Jun 2018 14:22
Operator : MD/SY
Sample : J3661-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : X2D19

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM062918WMA.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\VU062918\
Data File : VU025068.D
Acq On : 29 Jun 2018 14:22
Operator : MD/SY
Sample : J3661-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : X2D19

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM062918WMA.M
Quant Title : VOC Analysis

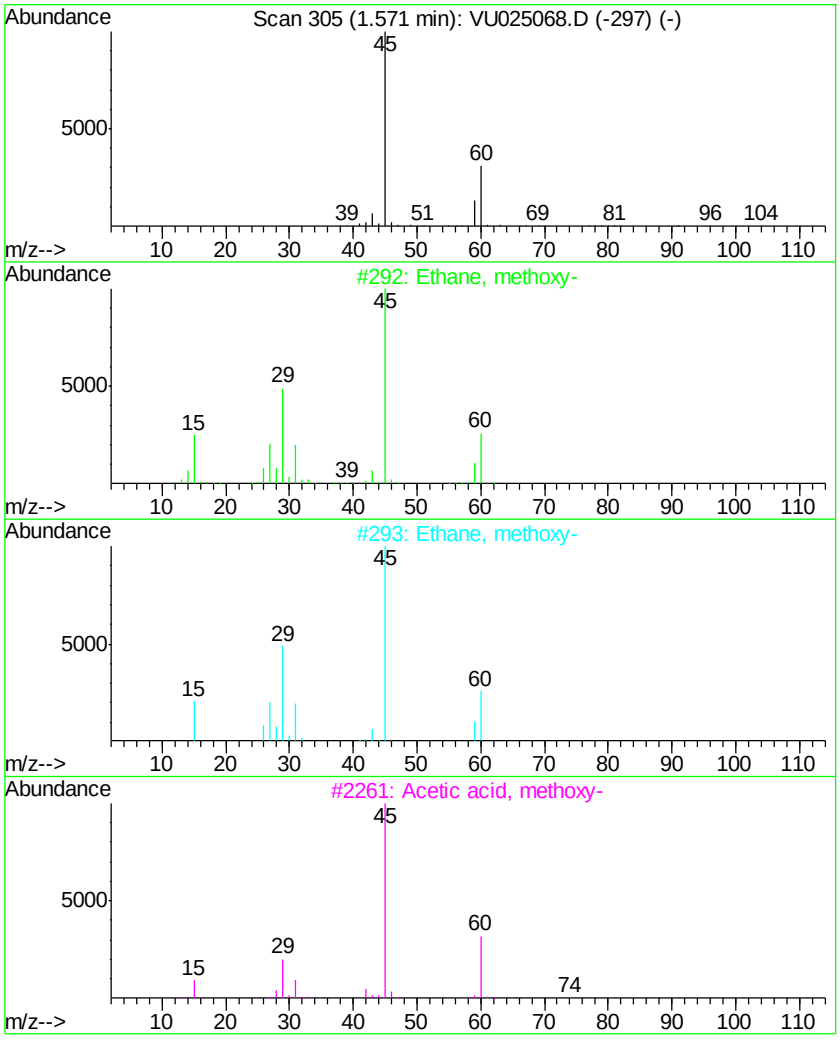
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

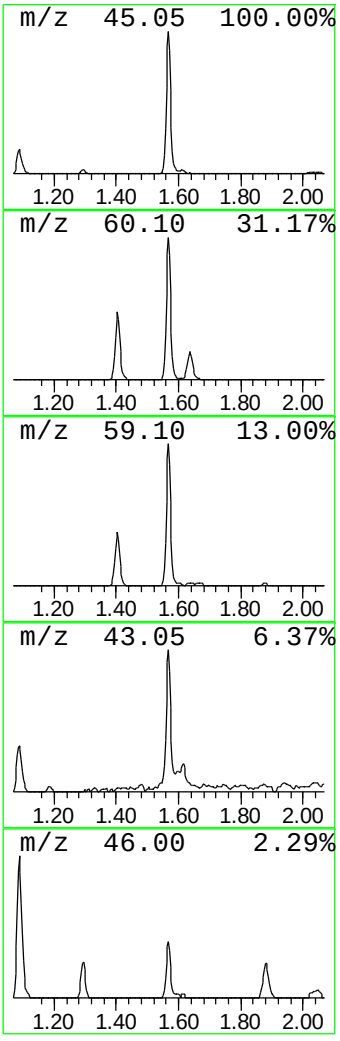
****

Peak Number 2 Ethane, methoxy- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.57	8.90 ug/L	146359	1,4-Difluorobenzene	5.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethane, methoxy-	60	C3H8O	000540-67-0	78
2	Ethane, methoxy-	60	C3H8O	000540-67-0	78
3	Acetic acid, methoxy-	90	C3H6O3	000625-45-6	9
4	2-Butanol, (R)-	74	C4H10O	014898-79-4	9
5	Acetic acid, methoxy-	90	C3H6O3	000625-45-6	9





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU062918\
Data File : VU025068.D
Acq On : 29 Jun 2018 14:22
Operator : MD/SY
Sample : J3661-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : X2D19

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM062918WMA.M
Quant Title : VOC Analysis

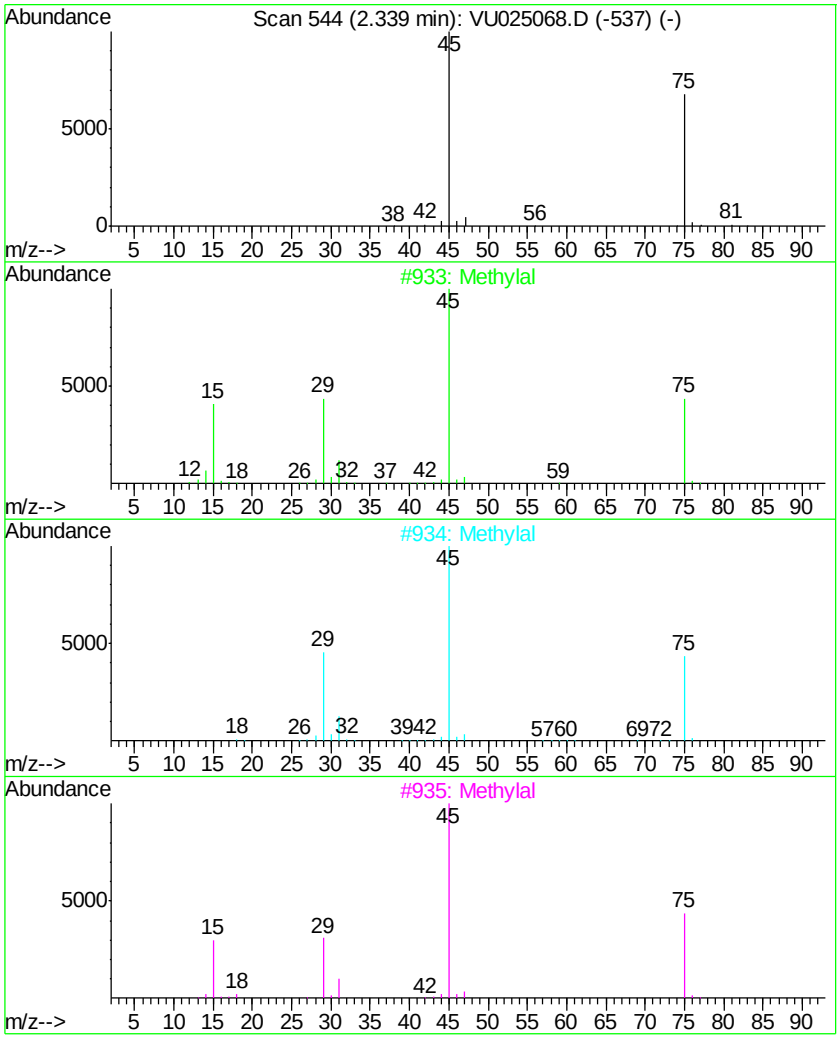
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

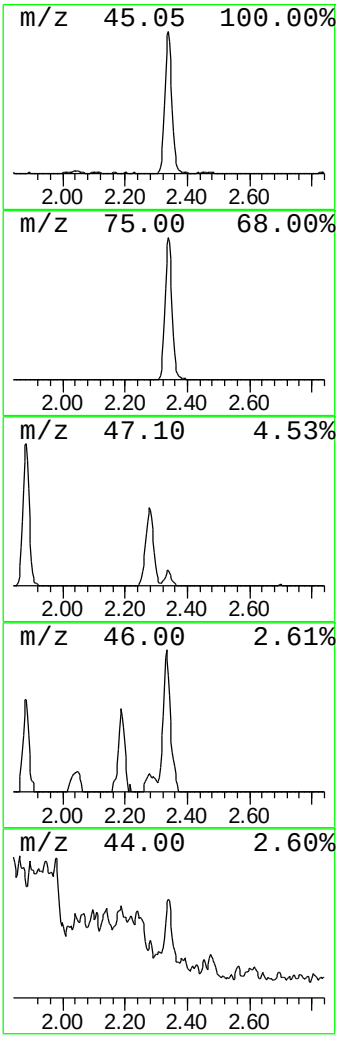
****

Peak Number 3 Methylal Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.34	8.03 ug/L	131958	1,4-Difluorobenzene	5.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methylal	76	C3H8O2	000109-87-5	83
2	Methylal	76	C3H8O2	000109-87-5	83
3	Methylal	76	C3H8O2	000109-87-5	83
4	Ethanethioamide	75	C2H5NS	000062-55-5	5
5	Ethanol, 2-methoxy-	76	C3H8O2	000109-86-4	5





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062918\
Data File : VU025068.D
Acq On : 29 Jun 2018 14:22
Operator : MD/SY
Sample : J3661-01
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : X2D19

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM062918WMA.M
Quant Title : VOC Analysis

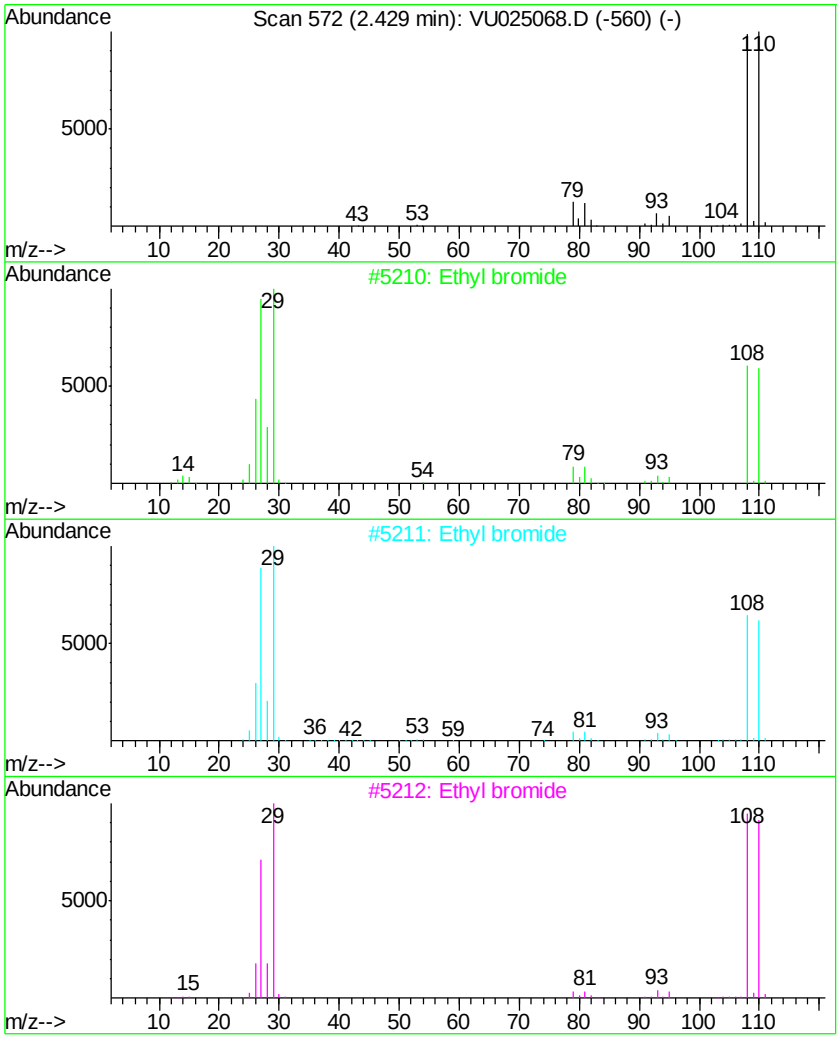
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

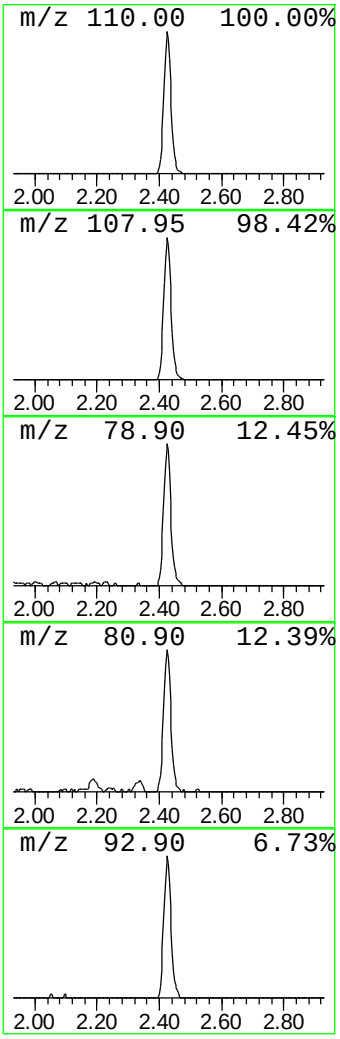
****

Peak Number 4 Ethyl bromide Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.43	13.94 ug/L	229124	1,4-Difluorobenzene	5.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethyl bromide	108	C2H5Br	000074-96-4	90
2	Ethyl bromide	108	C2H5Br	000074-96-4	90
3	Ethyl bromide	108	C2H5Br	000074-96-4	86
4	Hydrazine, phenyl-	108	C6H8N2	000100-63-0	9
5	1H-Pyrazole, 1-methyl-3-vinyl-	108	C6H8N2	056342-53-1	9





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062918\
Data File : VU025068.D
Acq On : 29 Jun 2018 14:22
Operator : MD/SY
Sample : J3661-01
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : X2D19

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM062918WMA.M
Quant Title : VOC Analysis

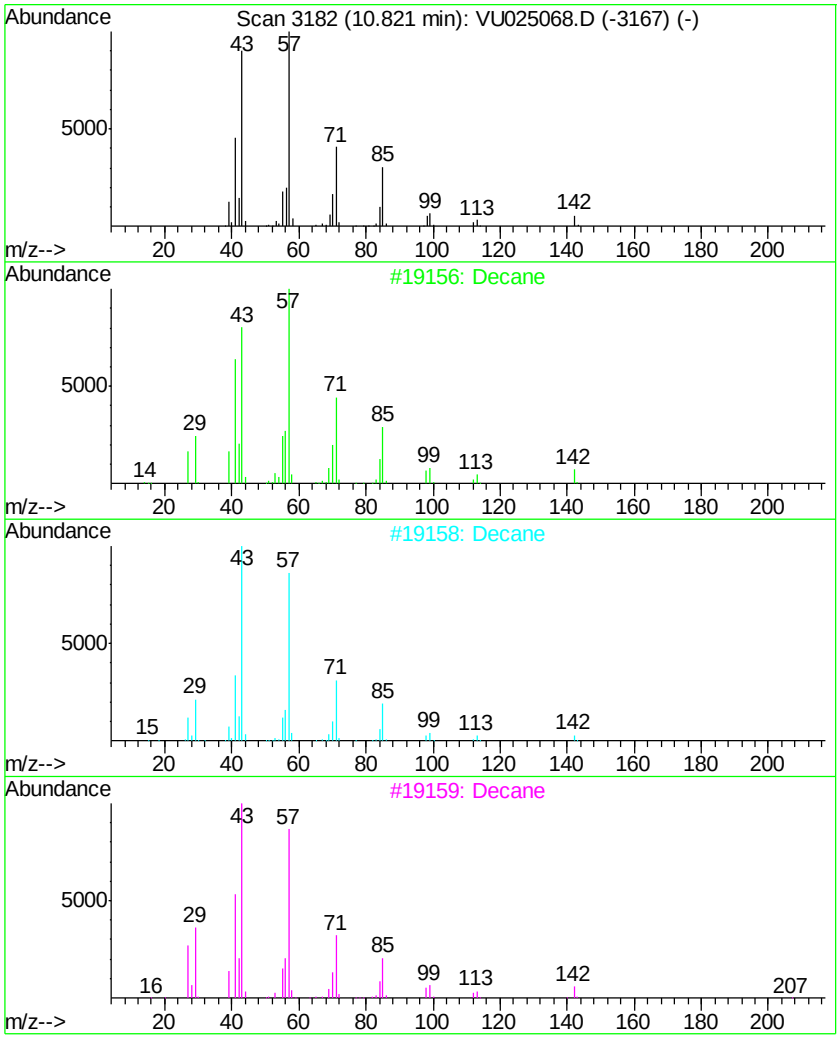
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

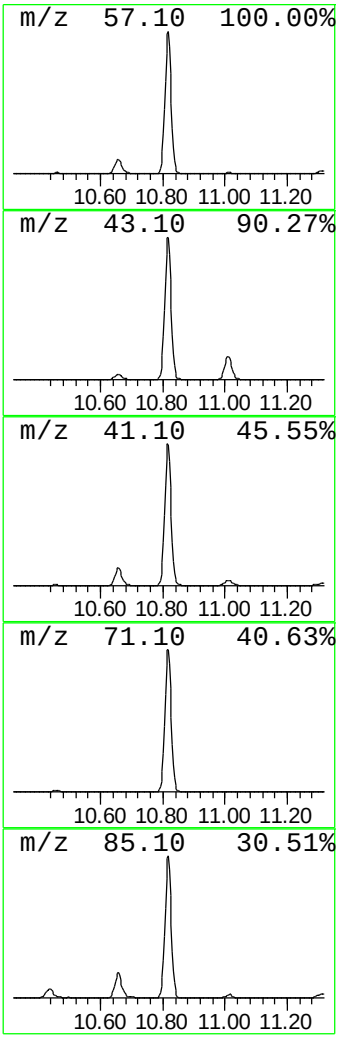
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.82	22.83 ug/L	494056	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane	142	C10H22	000124-18-5	93
2	Decane	142	C10H22	000124-18-5	91
3	Decane	142	C10H22	000124-18-5	90
4	Pentadecane	212	C15H32	000629-62-9	83
5	Decane	142	C10H22	000124-18-5	81





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU062918\
Data File : VU025068.D
Acq On : 29 Jun 2018 14:22
Operator : MD/SY
Sample : J3661-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : X2D19

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM062918WMA.M
Quant Title : VOC Analysis

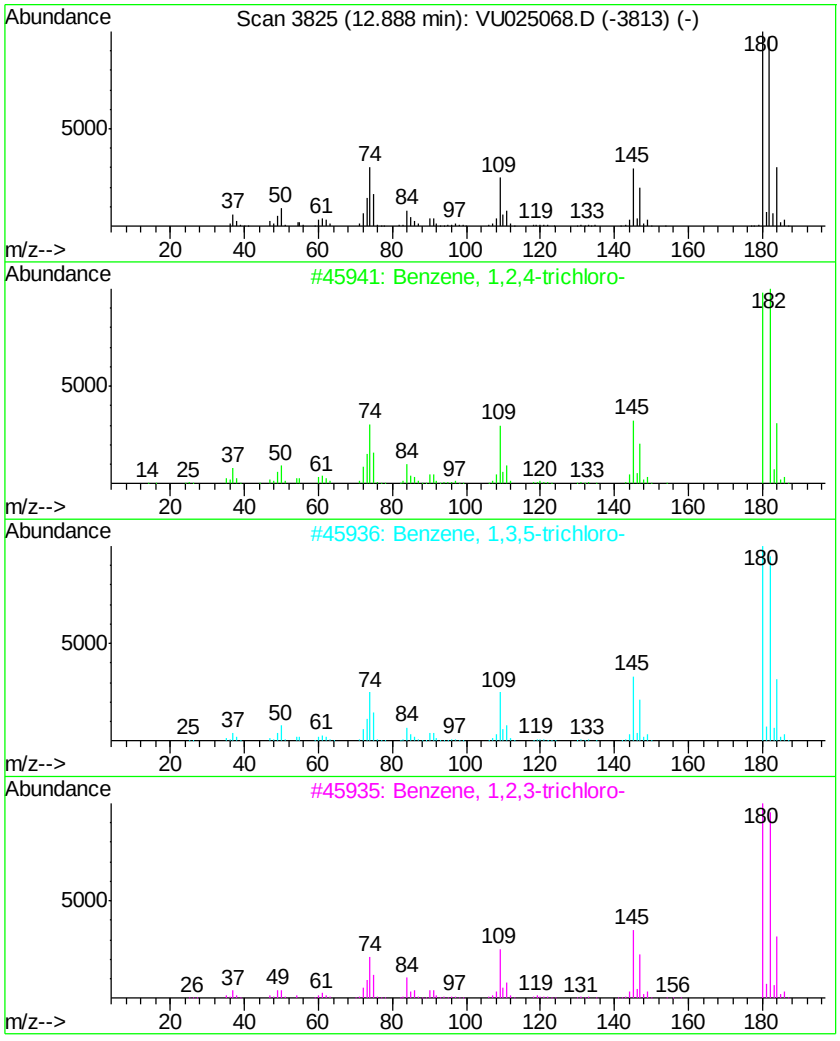
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

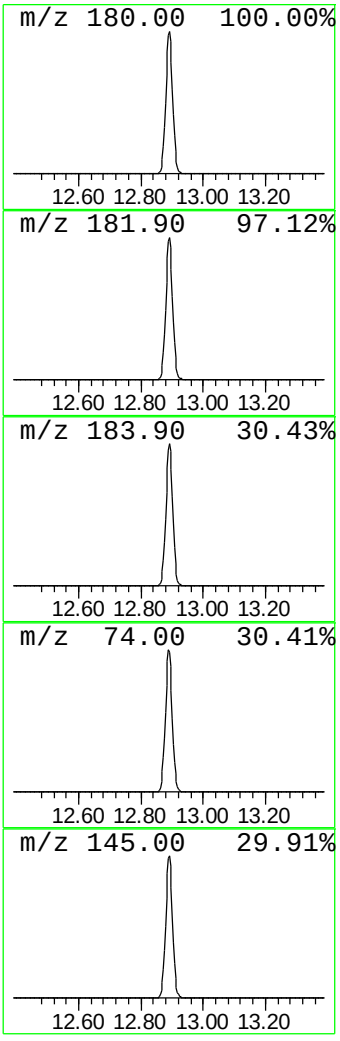
****

Peak Number 7 Benzene, 1,3,5-trichloro- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.89	52.82 ug/L	1143190	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4-trichloro-	180	C6H3Cl3	000120-82-1	98
2	Benzene, 1,3,5-trichloro-	180	C6H3Cl3	000108-70-3	98
3	Benzene, 1,2,3-trichloro-	180	C6H3Cl3	000087-61-6	98
4	Benzene, 1,2,3-trichloro-	180	C6H3Cl3	000087-61-6	98
5	Benzene, 1,3,5-trichloro-	180	C6H3Cl3	000108-70-3	96





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU062918\
Data File : VU025068.D
Acq On : 29 Jun 2018 14:22
Operator : MD/SY
Sample : J3661-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : X2D19

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM062918WMA.M
Quant Title : VOC Analysis

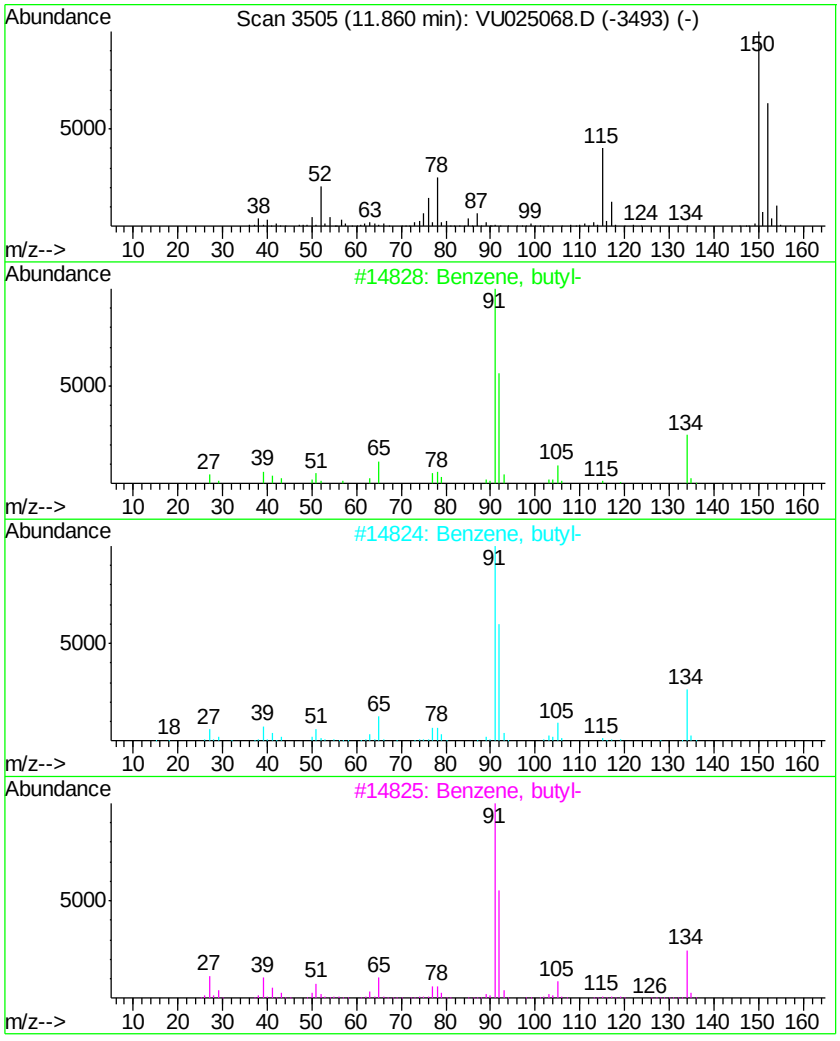
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

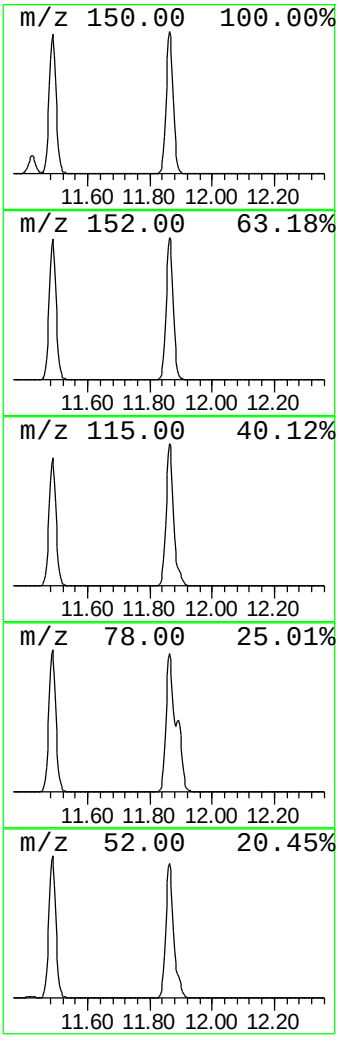
****

Peak Number 8 Benzene, butyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.86	49.09 ug/L	1062500	1,4-Dichlorobenzene-d4	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, butyl-	134	C10H14	000104-51-8	95
2	Benzene, butyl-	134	C10H14	000104-51-8	94
3	Benzene, butyl-	134	C10H14	000104-51-8	90
4	Benzene, (2-methylpropyl)-	134	C10H14	000538-93-2	90
5	Benzene, butyl-	134	C10H14	000104-51-8	80





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU062918\
Data File : VU025068.D
Acq On : 29 Jun 2018 14:22
Operator : MD/SY
Sample : J3661-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : X2D19

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM062918WMA.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
Ethane, methoxy-	1.57	8.9	ug/L	146359	1	5.89	821849	50.0
Methylal	2.34	8.0	ug/L	131958	1	5.89	821849	50.0
Ethyl bromide	2.43	13.9	ug/L	229124	1	5.89	821849	50.0
(DEL) Alkane: Str...	10.82	22.8	ug/L	494056	3	11.49	1082170	50.0
Benzene, 1,3,5-tr...	12.89	52.8	ug/L	1143190	3	11.49	1082170	50.0
Benzene, butyl-	11.86	49.1	ug/L	1062500	3	11.49	1082170	50.0