LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV060920\
Data File : VV016758.D
Acq On : 10 Jun 2020 10:21
Operator : SY/MD
Sample : L2901-06
Misc : 5.0mL/MSVOA V/WATER
ALS Vial : 65 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : ETTS9

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_V\METHOD\SOMVLM060820WMA.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	1.312	62	69	81	rVB	147396	156114	10.61%	1.171%
2	1.570	143	149	159	rVB	106590	120626	8.20%	0.905%
3	2.039	286	295	307	rBV	159852	229127	15.58%	1.718%
4	2.116	309	319	329	rBV	259444	383582	26.08%	2.876%
5	2.177	330	338	345	rBV	94657	150158	10.21%	1.126%
6	2.309	369	379	386	rBV2	11689	25139	1.71%	0.189%
7	2.438	412	419	437	rVB	65554	111444	7.58%	0.836%
8	2.685	493	496	499	rVB4	1946	1281	0.09%	0.010%
9	2.701	499	501	504	rVB3	1163	518	0.04%	0.004%
10	2.721	504	507	511	rBV4	1582	1069	0.07%	0.008%
11	2.772	517	523	532	rVB10	5572	9243	0.63%	0.069%
12	2.843	543	545	547	rVB3	1974	800	0.05%	0.006%
13	2.856	547	549	552	rBV3	1298	791	0.05%	0.006%
14	2.946	572	577	578	rVV4	1708	1526	0.10%	0.011%
15	2.975	584	586	589	rVV3	1459	672	0.05%	0.005%
16	3.020	596	600	602	rBV5	586	494	0.03%	0.004%
17	3.068	613	615	618	rVB4	1110	601	0.04%	0.005%
18	3.084	618	620	625	rVB5	924	607	0.04%	0.005%
19	3.106	625	627	629	rVB3	1276	550	0.04%	0.004%
20	3.116	629	630	633	rVB3	1094	527	0.04%	0.004%
21	3.155	640	642	643	rBV2	1324	683	0.05%	0.005%
22	3.180	647	650	652	rBV3	1204	768	0.05%	0.006%
23	3.200	654	656	658	rBV3	1306	600	0.04%	0.004%
24	3.216	658	661	664	rBV4	1083	667	0.05%	0.005%
25	3.303	685	688	691	rVB5	1415	1001	0.07%	0.008%
26	3.341	695	700	702	rBV5	1776	1454	0.10%	0.011%
27	3.351	702	703	705	rBV2	1209	550	0.04%	0.004%
28	3.367	706	708	712	rVB5	956	612	0.04%	0.005%
29	3.422	723	725	728	rVB3	1075	699	0.05%	0.005%
30	3.444	728	732	733	rBV4	1022	699	0.05%	0.005%
31	3.467	736	739	742	rVB4	933	656	0.04%	0.005%
32	3.492	742	747	750	rBV7	1074	948	0.06%	0.007%
33	3.515	752	754	759	rVB6	992	707	0.05%	0.005%
34	3.550	763	765	767	rVB3	2134	985	0.07%	0.007%

LSC Area Percent Report

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ALS Vial : 65 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : ETTS9

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

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Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060820WMA.M
Title : VOC Analysis

35	3.576	767	773	776	rBV6	1585	1834	0.12%	0.014%
36	3.621	784	787	789	rBV4	1448	700	0.05%	0.005%
37	3.637	789	792	794	rBV4	1191	784	0.05%	0.006%
38	3.676	802	804	805	rBV	970	488	0.03%	0.004%
39	3.701	808	812	818	rBV8	2225	2473	0.17%	0.019%
40	3.820	830	849	861	rBV	160211	377943	25.69%	2.834%
41	3.894	862	872	888	rVB	129872	319736	21.74%	2.398%
42	4.180	958	961	965	rVB5	1601	1094	0.07%	0.008%
43	4.306	990	1000	1001	rBV6	7558	8573	0.58%	0.064%
44	4.370	1005	1020	1043	rVB2	249710	621865	42.28%	4.663%
45	4.518	1059	1066	1070	rBV8	2900	4218	0.29%	0.032%
46	4.602	1090	1092	1095	rVB4	1843	941	0.06%	0.007%
47	4.627	1095	1100	1106	rVB8	1101	1277	0.09%	0.010%
48	4.766	1140	1143	1146	rBV4	654	486	0.03%	0.004%
49	4.804	1153	1155	1158	rVB4	1065	568	0.04%	0.004%
50	4.846	1165	1168	1172	rVB5	1281	1051	0.07%	0.008%
51	4.875	1172	1177	1179	rVB5	799	743	0.05%	0.006%
52	4.891	1179	1182	1184	rBV4	784	587	0.04%	0.004%
53	4.936	1194	1196	1199	rVB5	1920	950	0.06%	0.007%
54	4.955	1201	1202	1206	rVB3	1227	571	0.04%	0.004%
55	4.975	1206	1208	1212	rVB4	1222	993	0.07%	0.007%
56	4.997	1212	1215	1216	rBV3	1243	845	0.06%	0.006%
57	5.065	1216	1236	1258	rBV2	568496	1470976	100.00%	11.030%
58	5.283	1302	1304	1306	rVB3	1566	699	0.05%	0.005%
59	5.303	1307	1310	1313	rVB6	1438	609	0.04%	0.005%
60	5.322	1313	1316	1319	rBV4	1652	1475	0.10%	0.011%
61	5.492	1366	1369	1373	rBV6	1286	1094	0.07%	0.008%
62	5.540	1375	1384	1397	rVB	9337	19045	1.29%	0.143%
63	5.637	1399	1414	1433	rBV	490470	961690	65.38%	7.211%
64	5.733	1440	1444	1447	rBV6	1838	1618	0.11%	0.012%
65	6.090	1541	1555	1574	rVB	335783	674864	45.88%	5.061%
66	6.190	1577	1586	1608	rVB	51128	106322	7.23%	0.797%
67	6.270	1608	1611	1612	rBV3	1309	678	0.05%	0.005%
68	6.296	1612	1619	1626	rBV6	4448	7261	0.49%	0.054%
69	6.348	1630	1635	1647	rVB	17863	30181	2.05%	0.226%
70	6.466	1668	1672	1676	rBV7	1154	1027	0.07%	0.008%
71	6.537	1689	1694	1695	rBV3	2106	1757	0.12%	0.013%

LSC Area Percent Report

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ALS Vial : 65 Sample Multiplier: 1

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ClientSampleId : ETTS9

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

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Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060820WMA.M
Title : VOC Analysis

72	6.720	1749	1751	1755	rVB4	2141	1152	0.08%	0.009%
73	6.740	1755	1757	1764	rBV7	1550	1303	0.09%	0.010%
74	6.798	1772	1775	1776	rBV3	1414	660	0.04%	0.005%
75	6.811	1776	1779	1781	rVB3	1343	764	0.05%	0.006%
76	6.897	1804	1806	1810	rVB4	1776	967	0.07%	0.007%
77	6.917	1810	1812	1815	rBV3	1451	891	0.06%	0.007%
78	7.003	1825	1839	1853	rBV	209777	365686	24.86%	2.742%
79	7.097	1866	1868	1871	rBV4	1439	1191	0.08%	0.009%
80	7.248	1905	1915	1926	rVB3	8668	15801	1.07%	0.118%
81	7.335	1929	1942	1955	rBV	673648	1155140	78.53%	8.662%
82	7.486	1983	1989	1999	rVB2	6723	11218	0.76%	0.084%
83	7.637	2026	2036	2050	rVB	151124	245969	16.72%	1.844%
84	7.704	2053	2057	2062	rBV7	1637	1808	0.12%	0.014%
85	7.936	2125	2129	2131	rBV5	1335	1156	0.08%	0.009%
86	7.962	2134	2137	2142	rVB5	2707	2312	0.16%	0.017%
87	8.019	2146	2155	2168	rBV3	17211	30495	2.07%	0.229%
88	8.103	2170	2181	2196	rBV	489152	879542	59.79%	6.595%
89	8.254	2223	2228	2230	rBV6	7088	6682	0.45%	0.050%
90	8.386	2258	2269	2283	rBV2	47430	107818	7.33%	0.809%
91	8.730	2368	2376	2388	rVB4	13165	23080	1.57%	0.173%
92	8.871	2409	2420	2441	rVB	725811	1178050	80.09%	8.834%
93	10.035	2773	2782	2794	rVB	65574	106305	7.23%	0.797%
94	10.235	2833	2844	2859	rBV	484839	750198	51.00%	5.626%
95	11.212	3142	3148	3153	rBV6	14473	23718	1.61%	0.178%
96	11.270	3156	3166	3184	rVB	797670	1232262	83.77%	9.240%
97	11.646	3272	3283	3295	rBV	756987	1175457	79.91%	8.814%
98	12.257	3467	3473	3483	rVB5	10368	14191	0.96%	0.106%
99	14.833	4267	4274	4277	rBV3	18410	26144	1.78%	0.196%
100	16.961	4928	4936	4945	rBV	71066	141685	9.63%	1.062%

Sum of corrected areas: 13335559

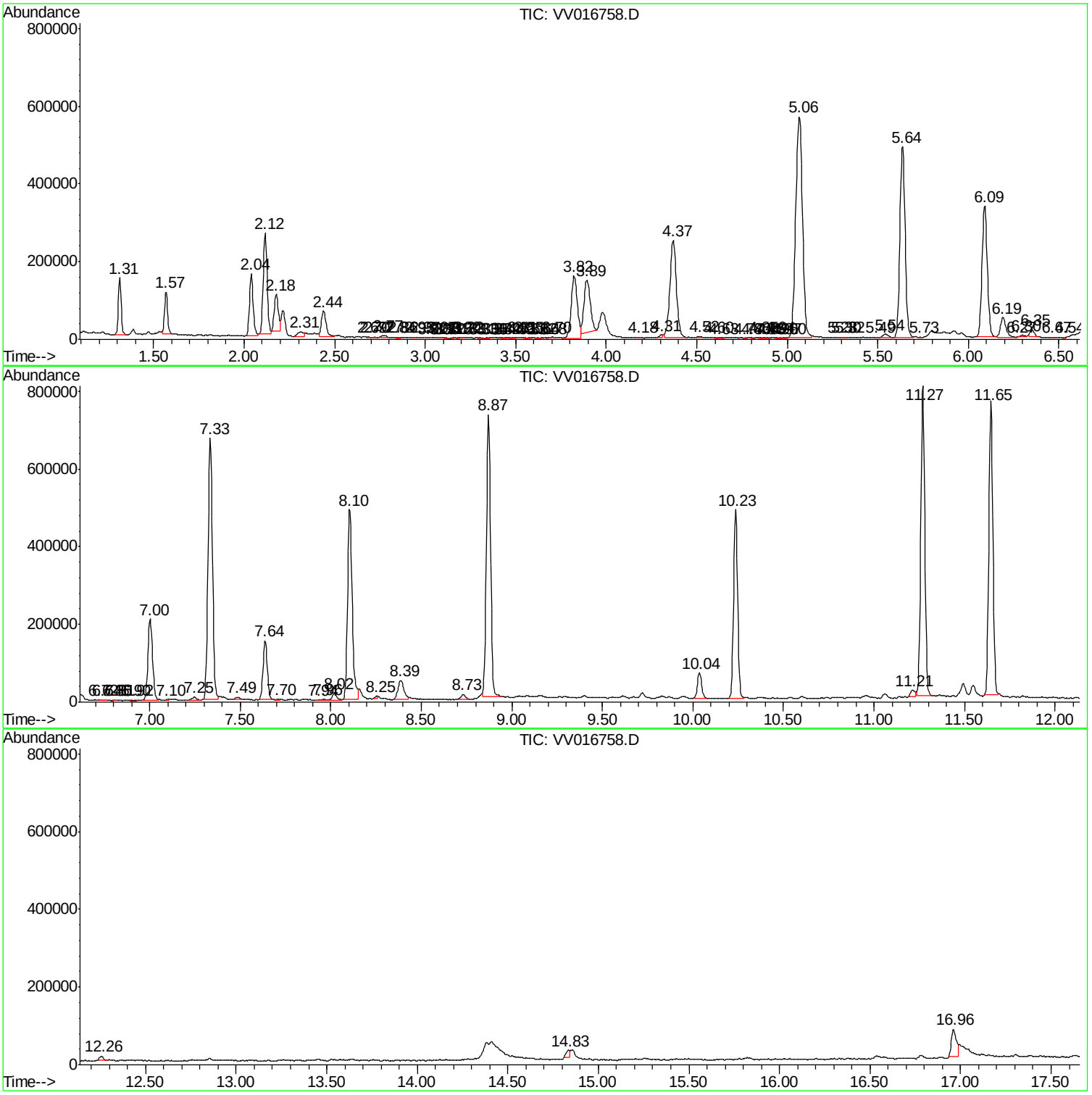
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060920\
Data File : VV016758.D
Acq On : 10 Jun 2020 10:21
Operator : SY/MD
Sample : L2901-06
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 65 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : ETTS9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060820WMA.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_V\DATA\VV060920\
Data File : VV016758.D
Acq On : 10 Jun 2020 10:21
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Quant Title : VOC Analysis

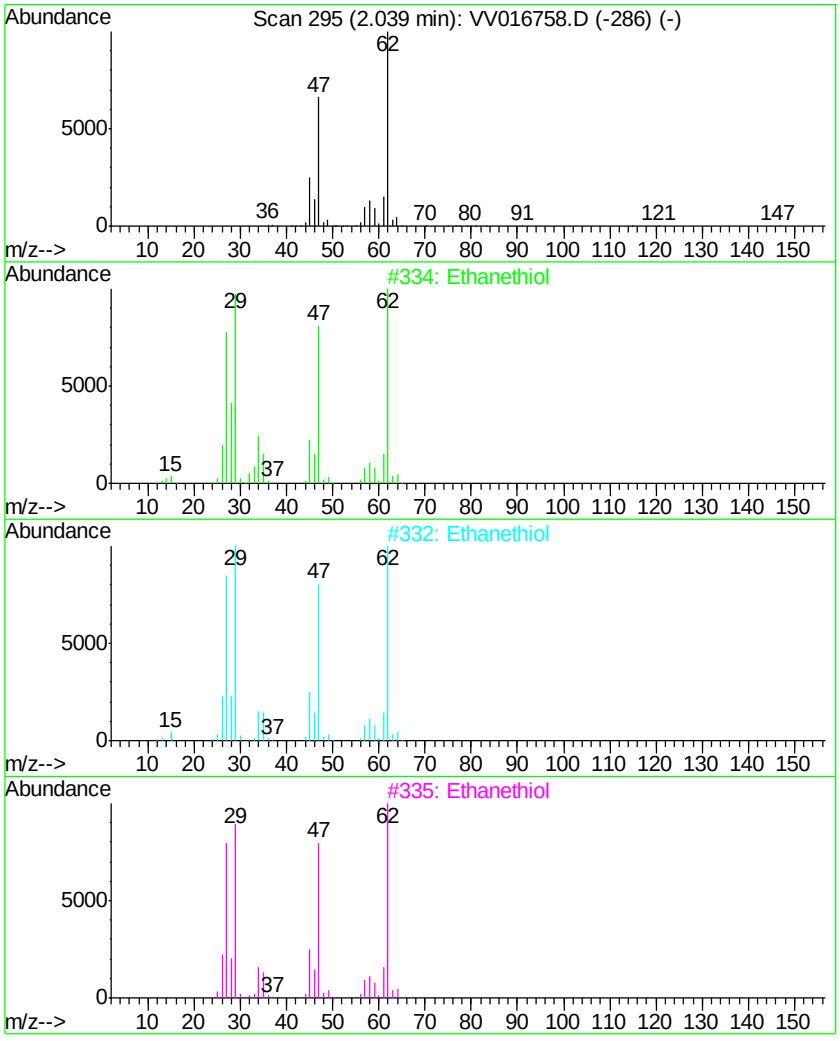
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

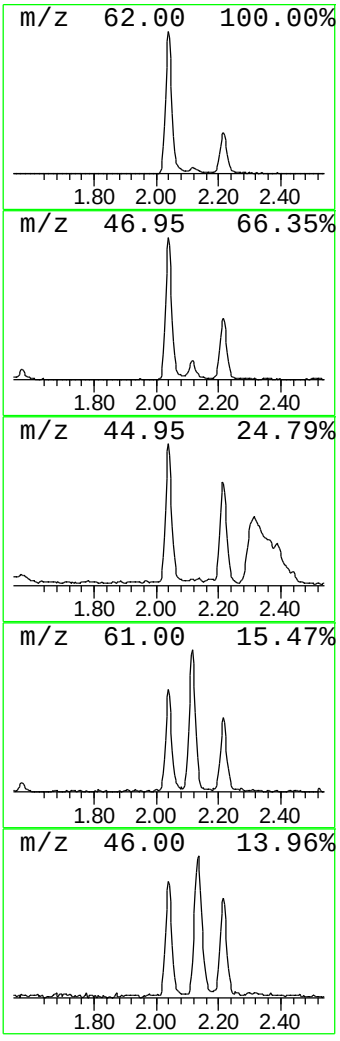
****

Peak Number 1 Ethanethiol Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.04	11.91 ug/L	229127	1,4-Difluorobenzene	5.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanethiol	62	C2H6S	000075-08-1	91
2	Ethanethiol	62	C2H6S	000075-08-1	91
3	Ethanethiol	62	C2H6S	000075-08-1	91
4	Ethanethiol	62	C2H6S	000075-08-1	90
5	Ethanethiol	62	C2H6S	000075-08-1	90





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060920\
Data File : VV016758.D
Acq On : 10 Jun 2020 10:21
Operator : SY/MD
Sample : L2901-06
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 65 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : ETTS9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060820WMA.M
Quant Title : VOC Analysis

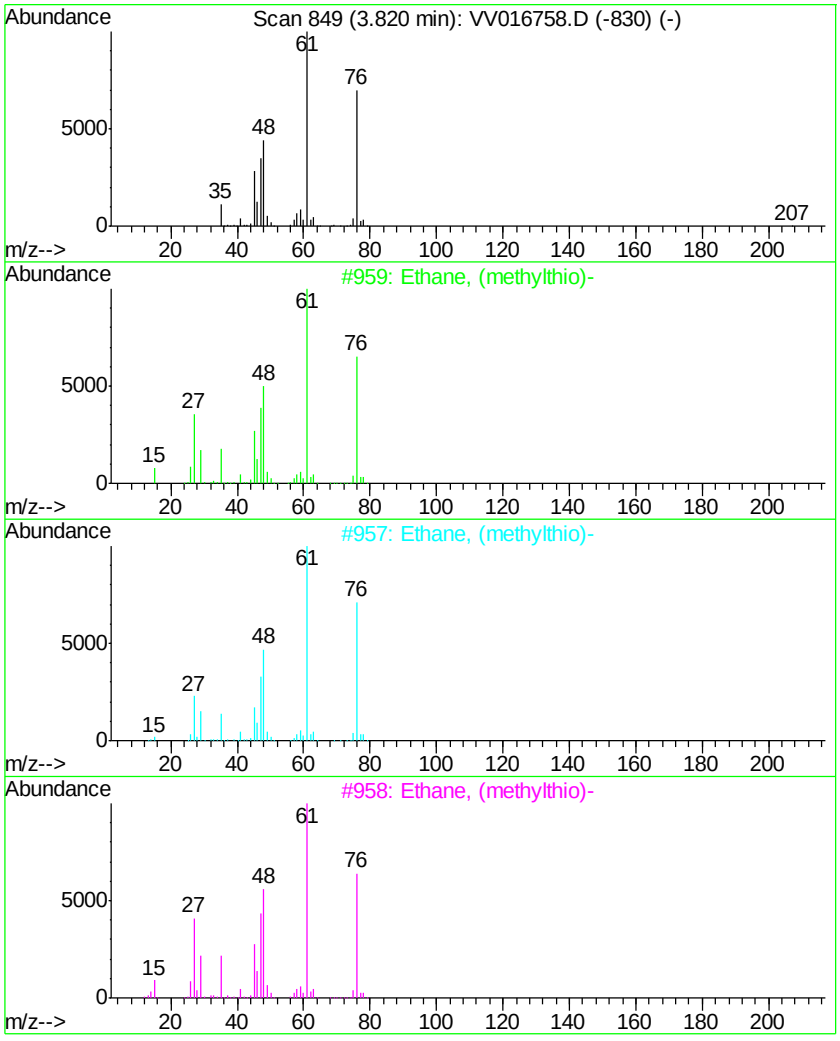
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

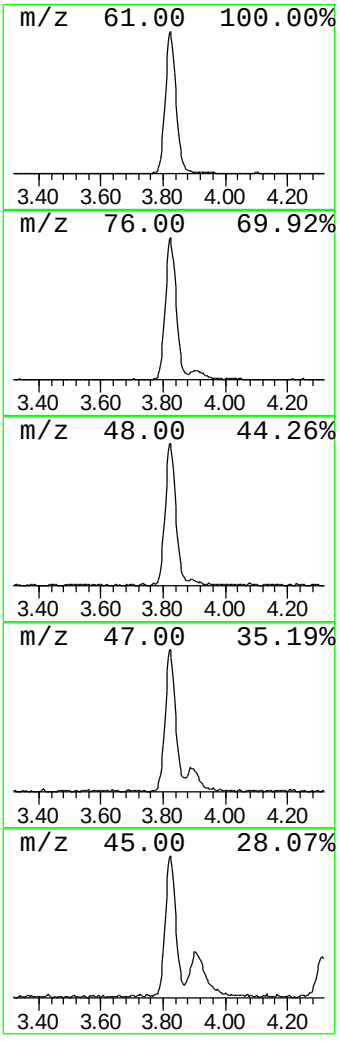
****

Peak Number 2 Ethane, (methylthio)- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.82	19.65 ug/L	377943	1,4-Difluorobenzene	5.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethane, (methylthio)-	76	C3H8S	000624-89-5	96
2	Ethane, (methylthio)-	76	C3H8S	000624-89-5	95
3	Ethane, (methylthio)-	76	C3H8S	000624-89-5	95
4	Propane, 1-(methylthio)-	90	C4H10S	003877-15-4	59
5	Propanoic acid, 3-(methylthio)-	120	C4H8O2S	000646-01-5	47





Library Search Compound Report

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ClientSampleId : ETTS9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060820WMA.M
Quant Title : VOC Analysis

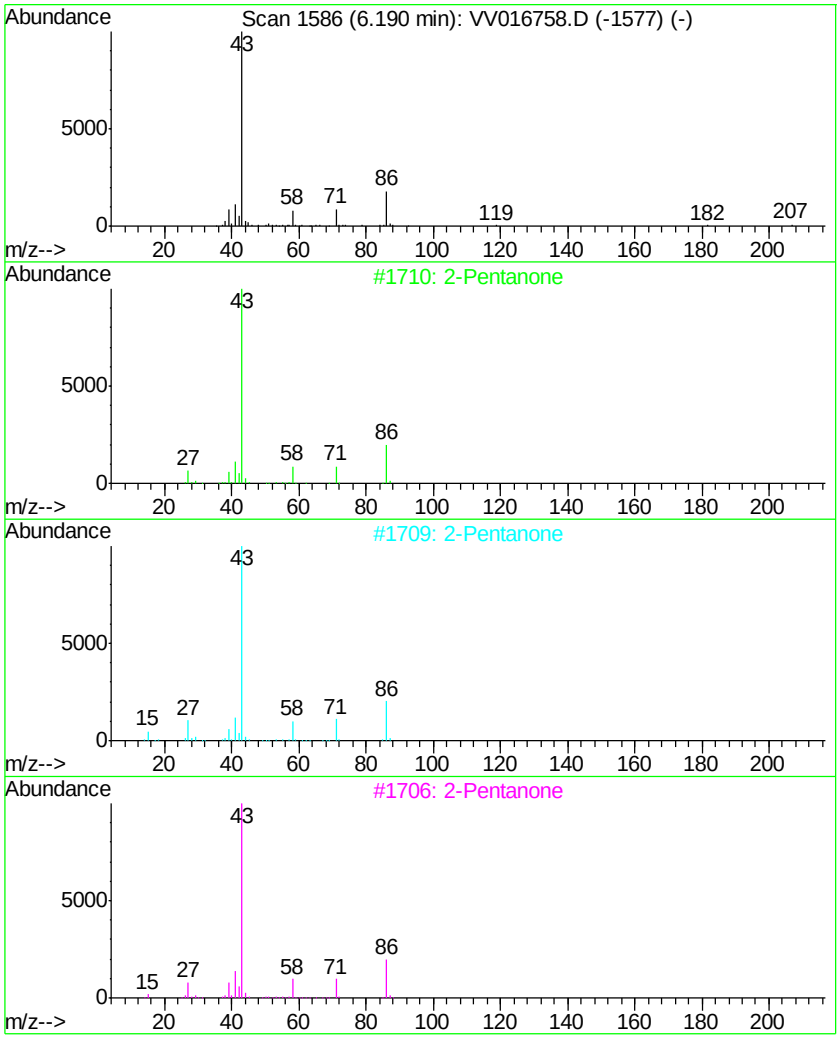
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

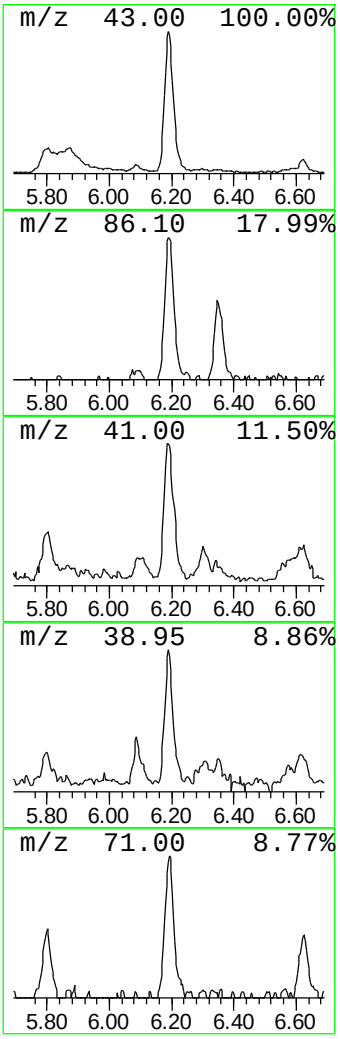
****

Peak Number 3 2-Pentanone Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.19	5.53 ug/L	106322	1,4-Difluorobenzene	5.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone	86	C5H10O	000107-87-9	72
2	2-Pentanone	86	C5H10O	000107-87-9	72
3	2-Pentanone	86	C5H10O	000107-87-9	72
4	2-Butanone, 3-methyl-	86	C5H10O	000563-80-4	53
5	2-Butanone, 3-methyl-	86	C5H10O	000563-80-4	53





Library Search Compound Report

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ALS Vial : 65 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : ETTS9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060820WMA.M
Quant Title : VOC Analysis

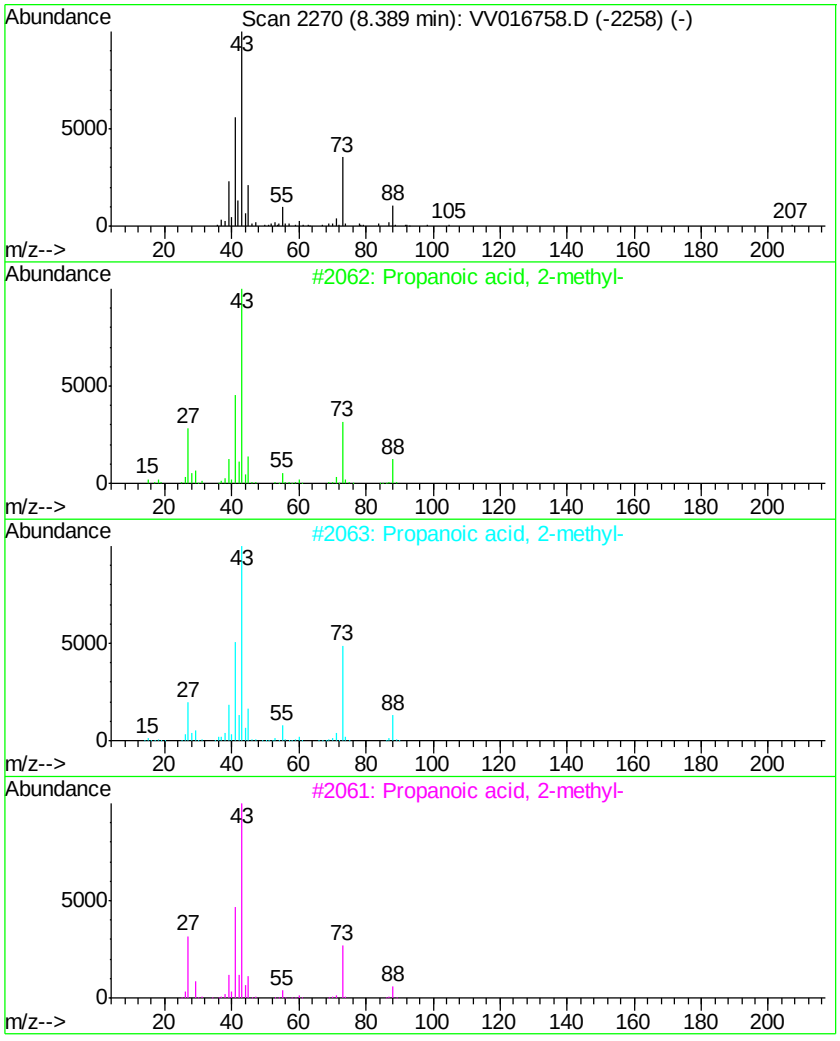
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

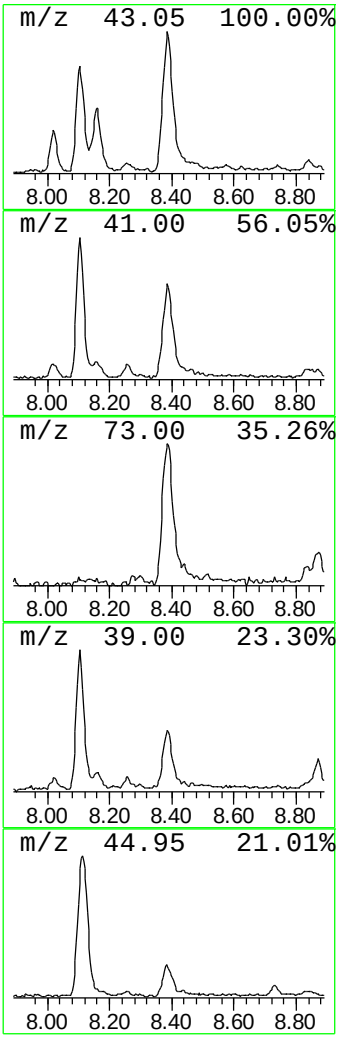
****

Peak Number 5 Propanoic acid, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.39	4.58 ug/L	107818	Chlorobenzene-d5	8.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propanoic acid, 2-methyl-	88	C4H8O2	000079-31-2	80
2	Propanoic acid, 2-methyl-	88	C4H8O2	000079-31-2	74
3	Propanoic acid, 2-methyl-	88	C4H8O2	000079-31-2	64
4	Propanoic acid, 2-methyl-	88	C4H8O2	000079-31-2	62
5	Propanoic acid, 2-methyl-	88	C4H8O2	000079-31-2	49





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Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 65 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : ETTS9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060820WMA.M
Quant Title : VOC Analysis

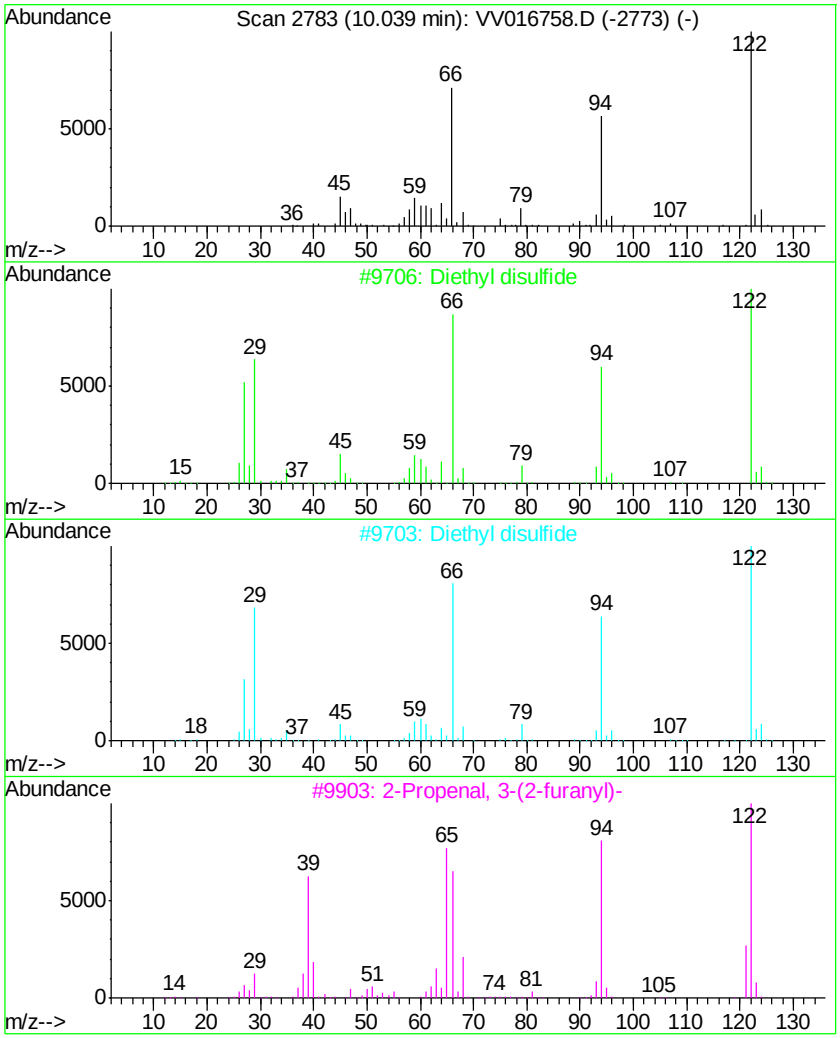
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

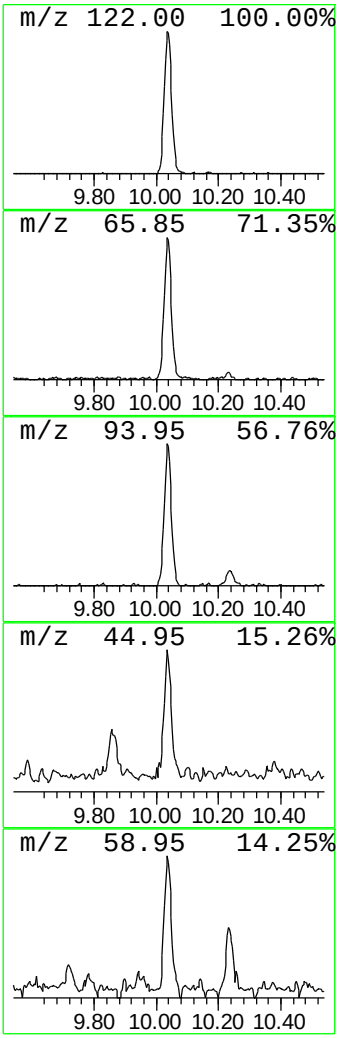
****

Peak Number 6 Diethyl disulfide Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.04	4.51 ug/L	106305	Chlorobenzene-d5	8.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Diethyl disulfide	122	C4H10S2	000110-81-6	94
2	Diethyl disulfide	122	C4H10S2	000110-81-6	87
3	2-Propenal, 3-(2-furanyl)-	122	C7H6O2	000623-30-3	59
4	Propanedinitrile, (ethoxymethyle...	122	C6H6N2O	000123-06-8	38
5	6-exo-Methyl-5-exo-norbornenol	124	C8H12O	060362-83-6	38





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060920\
Data File : VV016758.D
Acq On : 10 Jun 2020 10:21
Operator : SY/MD
Sample : L2901-06
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 65 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : ETTS9

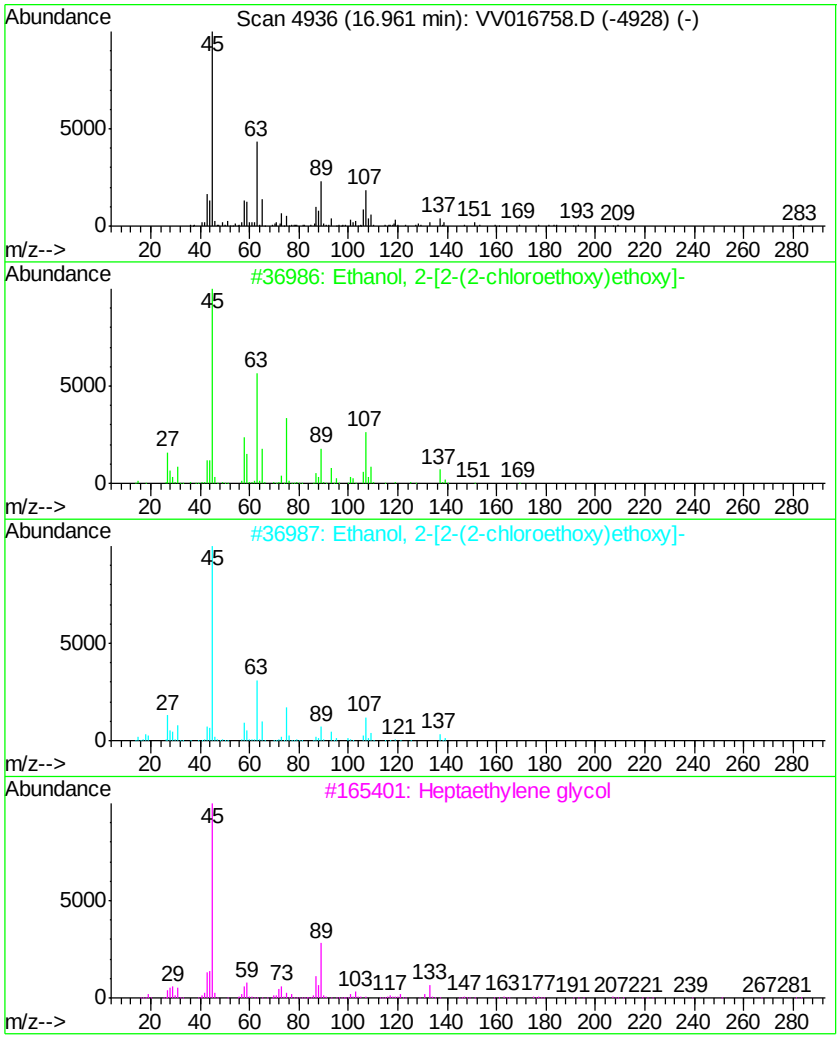
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060820WMA.M
Quant Title : VOC Analysis

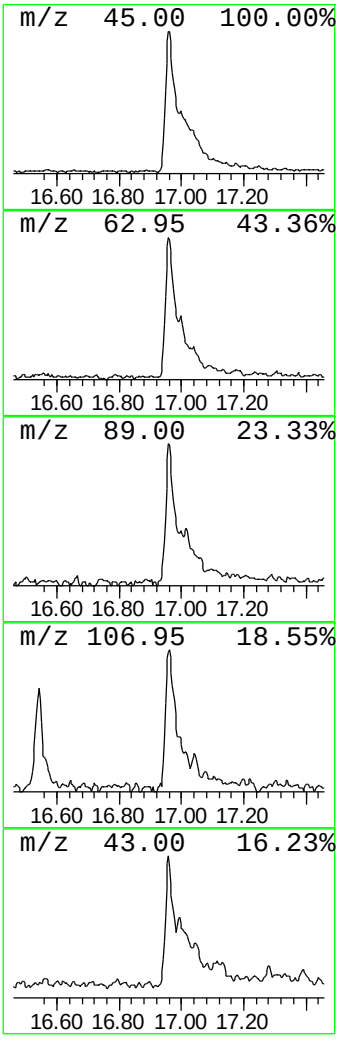
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Ethanol, 2-[2-(2-chloroetho... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.96	5.75 ug/L	141685	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanol, 2-[2-(2-chloroethoxy)et...	168	C6H13ClO3	005197-62-6	78
2	Ethanol, 2-[2-(2-chloroethoxy)et...	168	C6H13ClO3	005197-62-6	50
3	Heptaethylene glycol	326	C14H30O8	005617-32-3	25
4	Tetraethylene glycol	194	C8H18O5	000112-60-7	25
5	Hexaethylene glycol	282	C12H26O7	002615-15-8	22





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060920\
Data File : VV016758.D
Acq On : 10 Jun 2020 10:21
Operator : SY/MD
Sample : L2901-06
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 65 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : ETTS9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060820WMA.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
Ethanethiol	2.04	11.9	ug/L	229127	1	5.64	961690	50.0
Ethane, (methylth...	3.82	19.6	ug/L	377943	1	5.64	961690	50.0
2-Pentanone	6.19	5.5	ug/L	106322	1	5.64	961690	50.0
Propanoic acid, 2...	8.39	4.6	ug/L	107818	2	8.87	1178050	50.0
Diethyl disulfide	10.04	4.5	ug/L	106305	2	8.87	1178050	50.0
Ethanol, 2-[2-(2-...	16.96	5.8	ug/L	141685	3	11.27	1232260	50.0