LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV061020\
Data File : VV016785.D
Acq On : 10 Jun 2020 22:00
Operator : SY/MD
Sample : L2901-18
Misc : 5.0mL/MSVOA V/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : ETTR1

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	63	69	80	rVB	171912	171428	13.43%	1.586%
2	1.556	139	145	156	rVB	111707	130354	10.21%	1.206%
3	2.039	287	295	308	rBV	74507	106462	8.34%	0.985%
4	2.116	310	319	330	rVV	249482	365255	28.61%	3.378%
5	2.437	411	419	447	rVB	309866	497175	38.94%	4.598%
6	3.270	676	678	681	rBV4	1020	448	0.04%	0.004%
7	3.286	681	683	684	rBV2	1201	467	0.04%	0.004%
8	3.312	689	691	693	rBV3	1304	772	0.06%	0.007%
9	3.450	732	734	736	rBV2	1481	654	0.05%	0.006%
10	3.463	736	738	741	rBV3	1318	1002	0.08%	0.009%
11	3.476	741	742	743	rBV2	1173	337	0.03%	0.003%
12	3.521	754	756	766	rVB9	2307	2785	0.22%	0.026%
13	3.560	766	768	769	rBV3	735	260	0.02%	0.002%
14	3.579	772	774	775	rBV2	739	301	0.02%	0.003%
15	3.736	821	823	828	rVB4	1833	1195	0.09%	0.011%
16	3.765	828	832	836	rBV6	1890	1655	0.13%	0.015%
17	3.830	843	852	862	rBV4	17086	38248	3.00%	0.354%
18	3.894	863	872	902	rVB	109253	275005	21.54%	2.544%
19	4.132	942	946	949	rBV5	1930	1341	0.11%	0.012%
20	4.151	949	952	953	rBV3	1088	592	0.05%	0.005%
21	4.312	999	1002	1003	rBV3	1729	819	0.06%	0.008%
22	4.373	1007	1021	1042	rVB	206904	502371	39.34%	4.647%
23	4.527	1059	1069	1077	rBV2	18365	37998	2.98%	0.351%
24	4.743	1133	1136	1137	rBV3	1653	781	0.06%	0.007%
25	4.817	1154	1159	1161	rBV4	2078	1723	0.13%	0.016%
26	4.945	1197	1199	1201	rBV3	1377	839	0.07%	0.008%
27	5.068	1219	1237	1261	rBV2	498231	1276844	100.00%	11.810%
28	5.302	1307	1310	1311	rBV3	1882	820	0.06%	0.008%
29	5.479	1361	1365	1366	rBV4	1657	1204	0.09%	0.011%
30	5.511	1373	1375	1378	rVB3	1253	735	0.06%	0.007%
31	5.553	1385	1388	1390	rBV3	1482	900	0.07%	0.008%
32	5.640	1402	1415	1434	rBV	374937	751135	58.83%	6.947%
33	5.807	1458	1467	1483	rVB2	28163	54536	4.27%	0.504%
34	6.093	1544	1556	1580	rVB	285912	575761	45.09%	5.325%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV061020\
Data File : VV016785.D
Acq On : 10 Jun 2020 22:00
Operator : SY/MD
Sample : L2901-18
Misc : 5.0mL/MSVOA V/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : ETTR1

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

35	6.627	1714	1722	1737	rBV2	50843	91605	7.17%	0.847%
36	7.006	1829	1840	1859	rBV	167902	298752	23.40%	2.763%
37	7.338	1931	1943	1959	rBV	592368	1021835	80.03%	9.451%
38	7.495	1990	1992	1995	rBV2	1461	553	0.04%	0.005%
39	7.640	2027	2037	2052	rBV	123215	214150	16.77%	1.981%
40	8.106	2172	2182	2214	rBV	347968	655037	51.30%	6.059%
41	8.402	2267	2274	2276	rBV2	12272	14492	1.13%	0.134%
42	8.656	2351	2353	2354	rBV2	1383	546	0.04%	0.005%
43	8.813	2400	2402	2404	rBV3	1400	791	0.06%	0.007%
44	8.871	2409	2420	2440	rVV	589790	957614	75.00%	8.857%
45	9.251	2535	2538	2539	rBV3	1584	1048	0.08%	0.010%
46	9.299	2551	2553	2556	rBV4	1194	627	0.05%	0.006%
47	9.637	2656	2658	2662	rVB5	2681	1285	0.10%	0.012%
48	9.659	2662	2665	2670	rBV7	2188	1691	0.13%	0.016%
49	10.038	2774	2783	2795	rBV	31911	55015	4.31%	0.509%
50	10.238	2833	2845	2859	rBV	404613	630857	49.41%	5.835%
51	10.588	2952	2954	2955	rBV2	1611	655	0.05%	0.006%
52	10.862	3035	3039	3040	rBV4	1982	1333	0.10%	0.012%
53	10.929	3058	3060	3061	rBV2	1565	635	0.05%	0.006%
54	11.270	3155	3166	3182	rBV	643607	983785	77.05%	9.099%
55	11.498	3231	3237	3238	rBV5	4598	4274	0.33%	0.040%
56	11.646	3272	3283	3298	rBV	686473	1053705	82.52%	9.746%
57	11.791	3326	3328	3331	rBV4	1414	711	0.06%	0.007%
58	11.980	3384	3387	3389	rBV3	1498	686	0.05%	0.006%
59	12.144	3436	3438	3439	rBV2	905	391	0.03%	0.004%
60	12.218	3459	3461	3462	rBV2	1706	743	0.06%	0.007%
61	12.244	3467	3469	3473	rBV5	1166	960	0.08%	0.009%
62	12.292	3482	3484	3488	rBV5	1231	782	0.06%	0.007%
63	12.604	3579	3581	3583	rBV3	890	491	0.04%	0.005%
64	12.633	3587	3590	3591	rBV3	1770	1028	0.08%	0.010%
65	12.662	3595	3599	3601	rBV5	2955	2466	0.19%	0.023%
66	12.826	3648	3650	3653	rVB4	1593	684	0.05%	0.006%
67	12.852	3653	3658	3659	rBV5	3114	2671	0.21%	0.025%
68	13.138	3745	3747	3751	rVB5	1516	916	0.07%	0.008%
69	13.154	3751	3752	3754	rBV2	1894	934	0.07%	0.009%
70	13.238	3776	3778	3782	rBV3	1494	884	0.07%	0.008%
71	13.341	3807	3810	3813	rBV4	1943	1639	0.13%	0.015%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV061020\
Data File : VV016785.D
Acq On : 10 Jun 2020 22:00
Operator : SY/MD
Sample : L2901-18
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : ETTR1

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

72	13.849	3965	3968	3972	rBV5	1662	1215	0.10%	0.011%
73	14.109	4045	4049	4053	rBV6	1335	1493	0.12%	0.014%
74	15.061	4343	4345	4346	rBV2	1581	566	0.04%	0.005%

Sum of corrected areas: 10811747

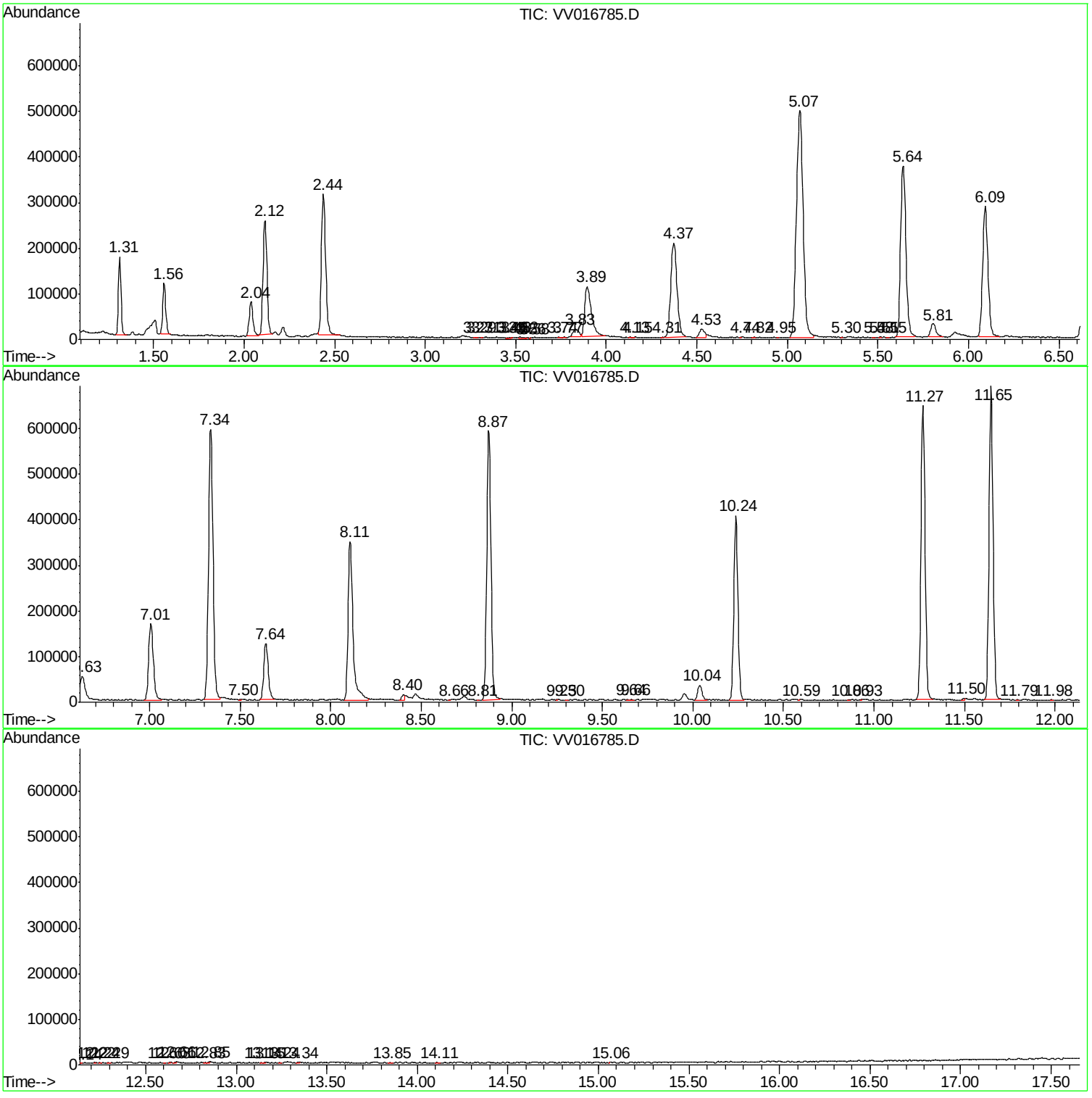
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV061020\
Data File : VV016785.D
Acq On : 10 Jun 2020 22:00
Operator : SY/MD
Sample : L2901-18
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : ETTR1

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\VV061020\
Data File : VV016785.D
Acq On : 10 Jun 2020 22:00
Operator : SY/MD
Sample : L2901-18
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : ETTR1

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

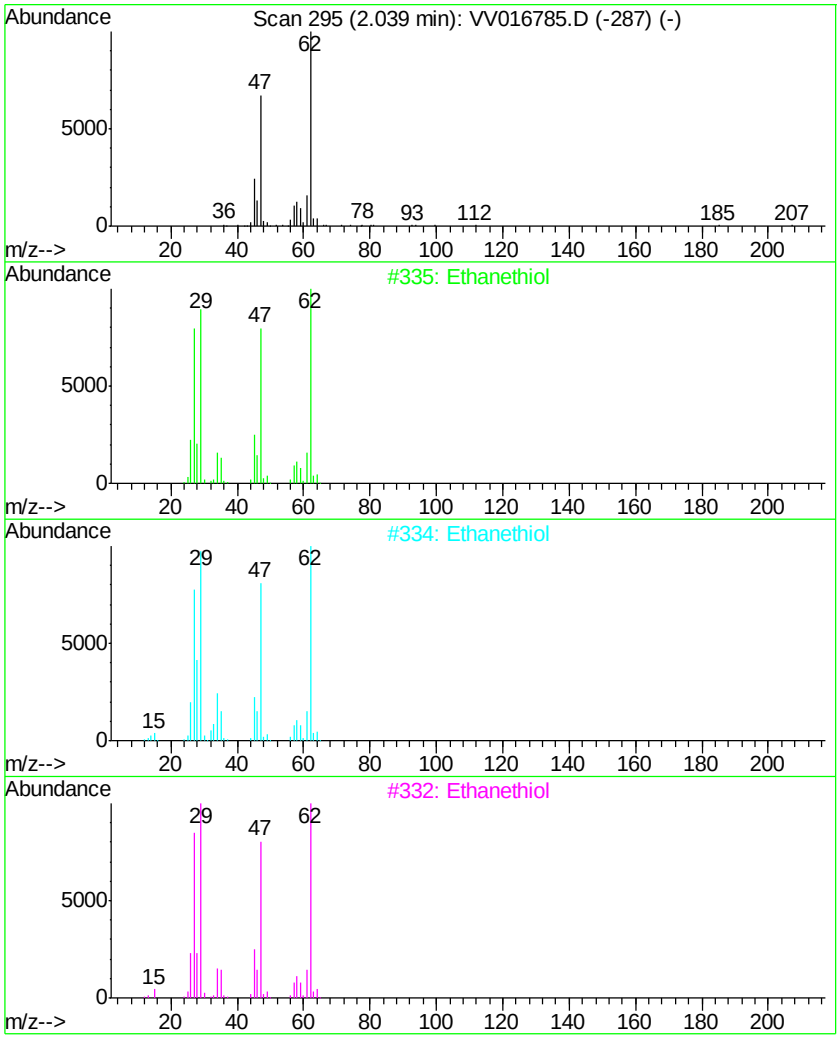
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

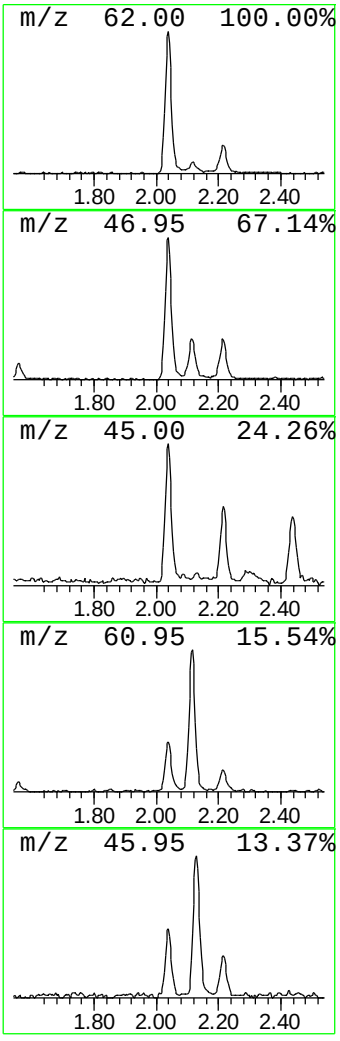
****

Peak Number 1 Ethanethiol Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.04	7.09 ug/L	106462	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	91
5	Ethanethiol	62	C2H6S	000075-08-1	86





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV061020\
Data File : VV016785.D
Acq On : 10 Jun 2020 22:00
Operator : SY/MD
Sample : L2901-18
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : ETTR1

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

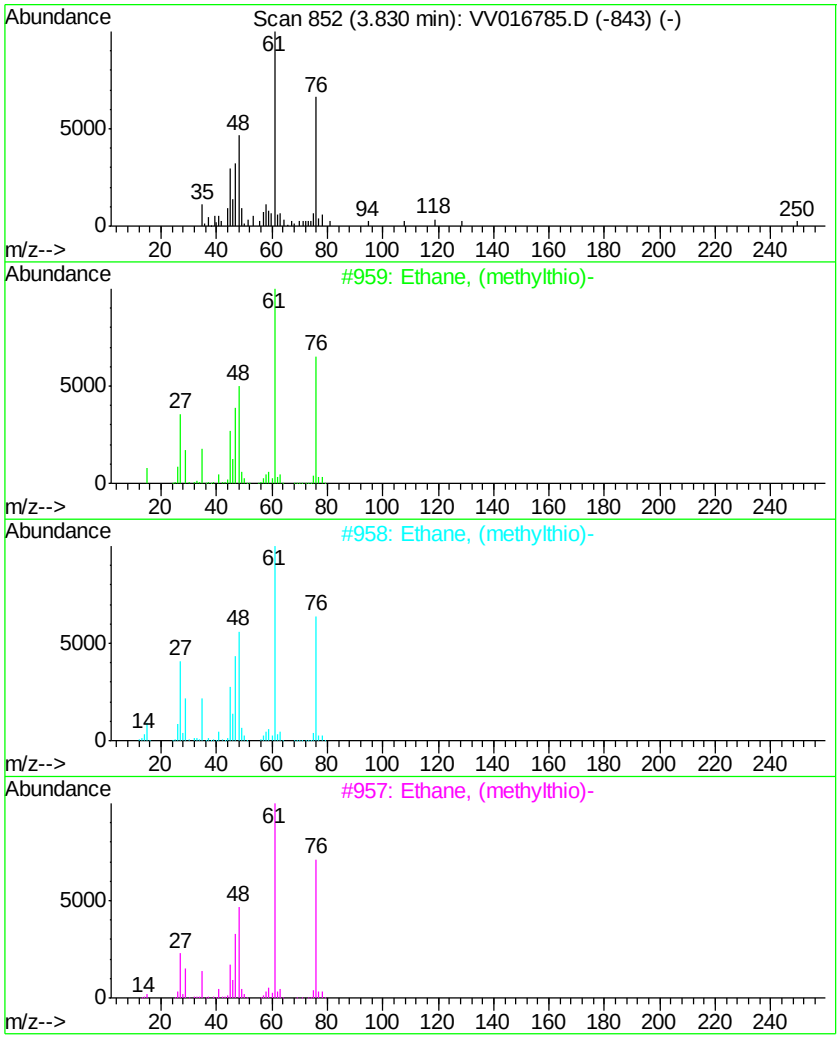
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

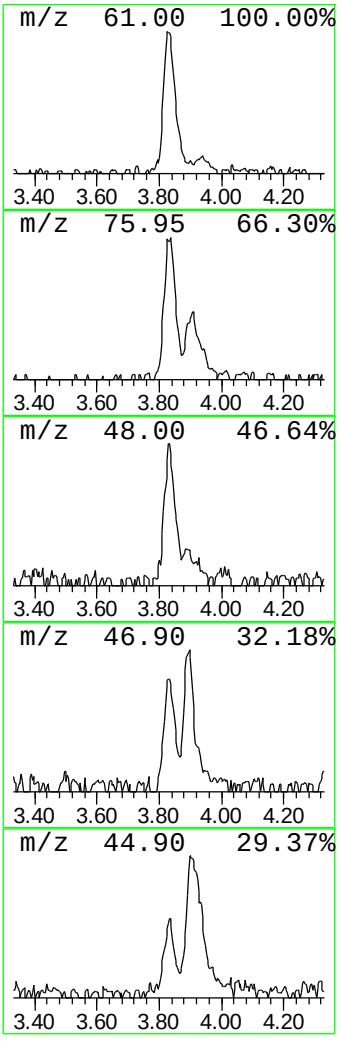
****

Peak Number 2 Ethane, (methylthio)- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.83	2.55 ug/L	38248	1,4-Difluorobenzene	5.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethane, (methylthio)-	76	C3H8S	000624-89-5	95
2	Ethane, (methylthio)-	76	C3H8S	000624-89-5	91
3	Ethane, (methylthio)-	76	C3H8S	000624-89-5	90
4	Trimethylphosphine	76	C3H9P	000594-09-2	58
5	Trimethylphosphine	76	C3H9P	000594-09-2	47





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV061020\
Data File : VV016785.D
Acq On : 10 Jun 2020 22:00
Operator : SY/MD
Sample : L2901-18
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : ETTR1

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

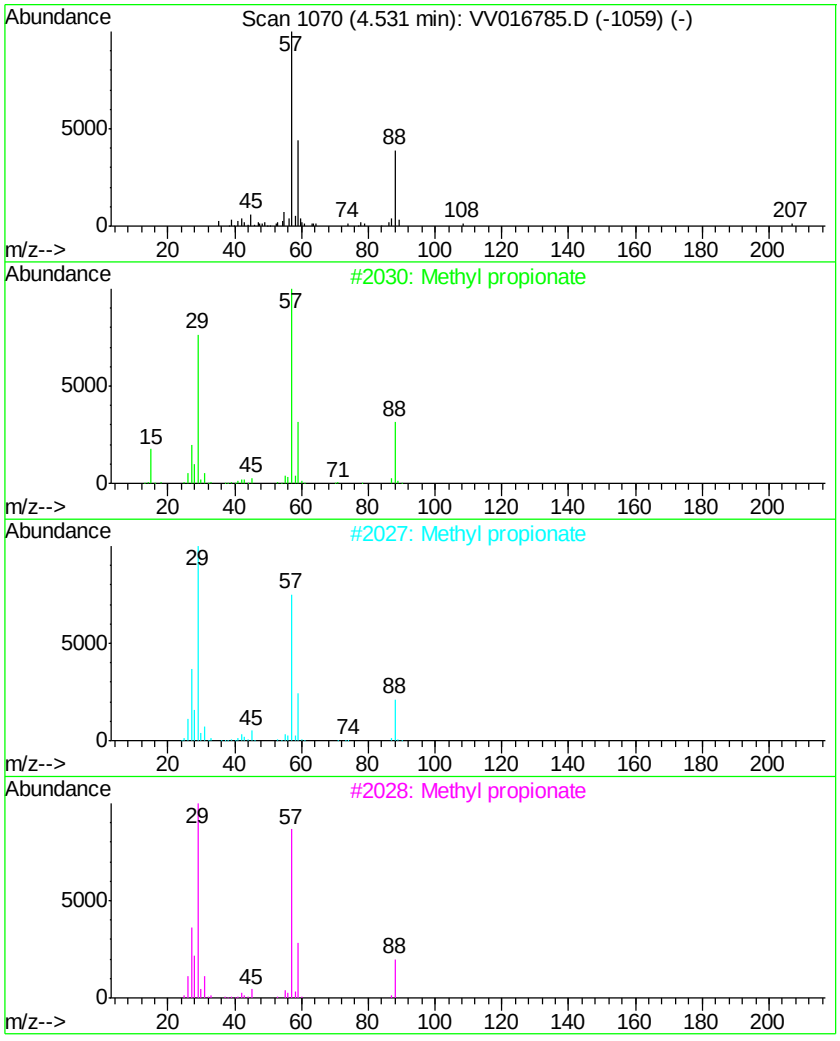
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

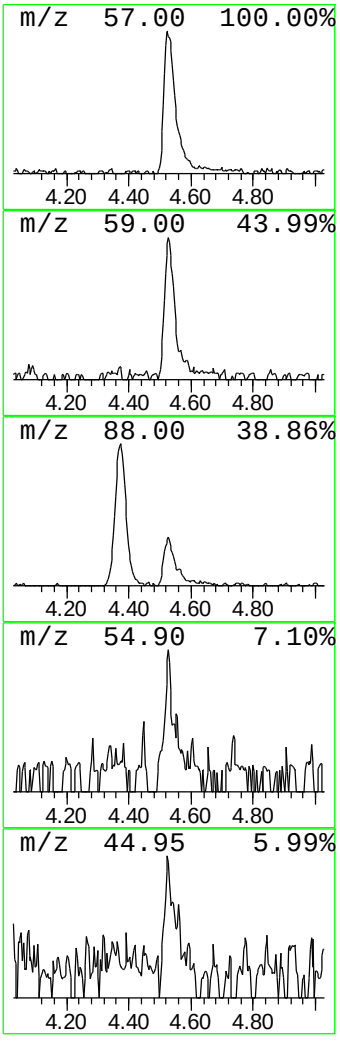
****

Peak Number 3 Methyl propionate Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.53	2.53 ug/L	37998	1,4-Difluorobenzene	5.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methyl propionate	88	C4H8O2	000554-12-1	80
2	Methyl propionate	88	C4H8O2	000554-12-1	80
3	Methyl propionate	88	C4H8O2	000554-12-1	72
4	Methyl propionate	88	C4H8O2	000554-12-1	50
5	3-Furanol, tetrahydro-	88	C4H8O2	000453-20-3	38





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV061020\
Data File : VV016785.D
Acq On : 10 Jun 2020 22:00
Operator : SY/MD
Sample : L2901-18
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : ETTR1

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

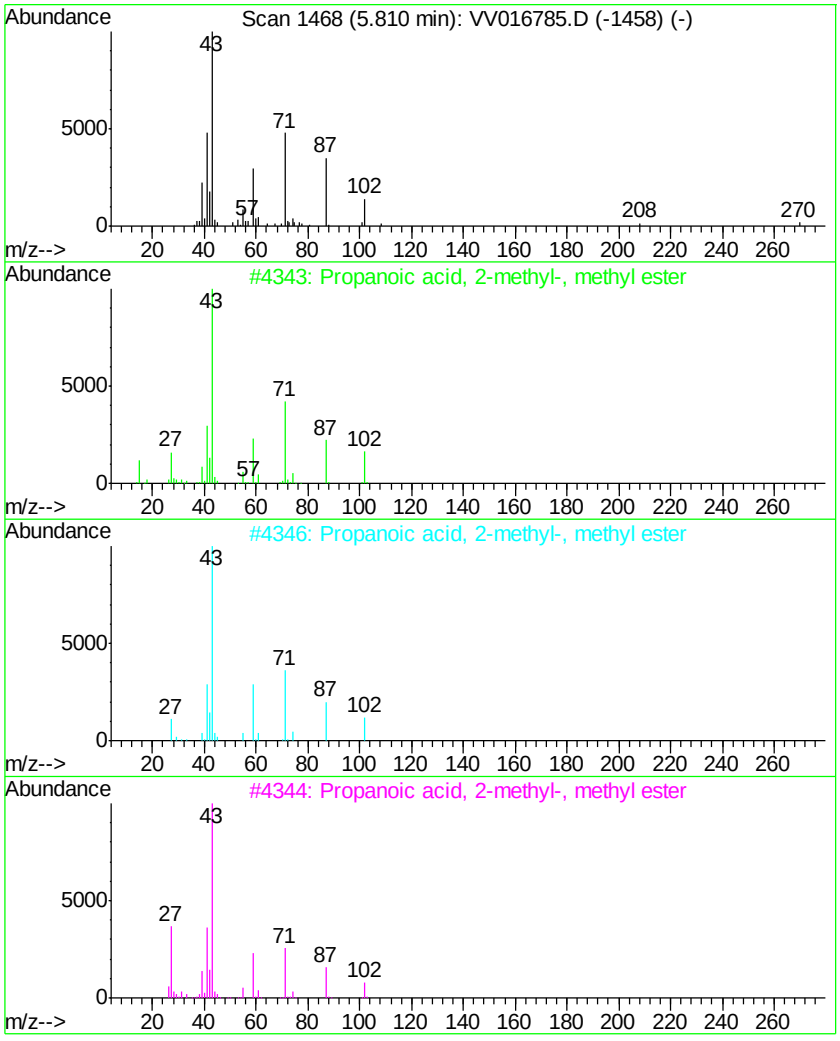
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

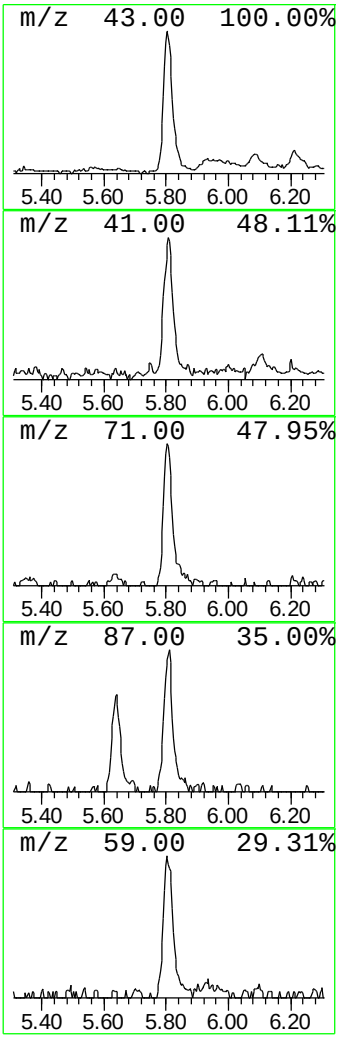
****

Peak Number 4 Propanoic acid, 2-methyl-, ... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.81	3.63 ug/L	54536	1,4-Difluorobenzene	5.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propanoic acid, 2-methyl-, methy...	102	C5H10O2	000547-63-7	91
2	Propanoic acid, 2-methyl-, methy...	102	C5H10O2	000547-63-7	80
3	Propanoic acid, 2-methyl-, methy...	102	C5H10O2	000547-63-7	58
4	Propanoic acid, 2-methyl-, methy...	102	C5H10O2	000547-63-7	58
5	Pentane, 2-bromo-	150	C5H11Br	000107-81-3	43





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV061020\
Data File : VV016785.D
Acq On : 10 Jun 2020 22:00
Operator : SY/MD
Sample : L2901-18
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : ETTR1

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

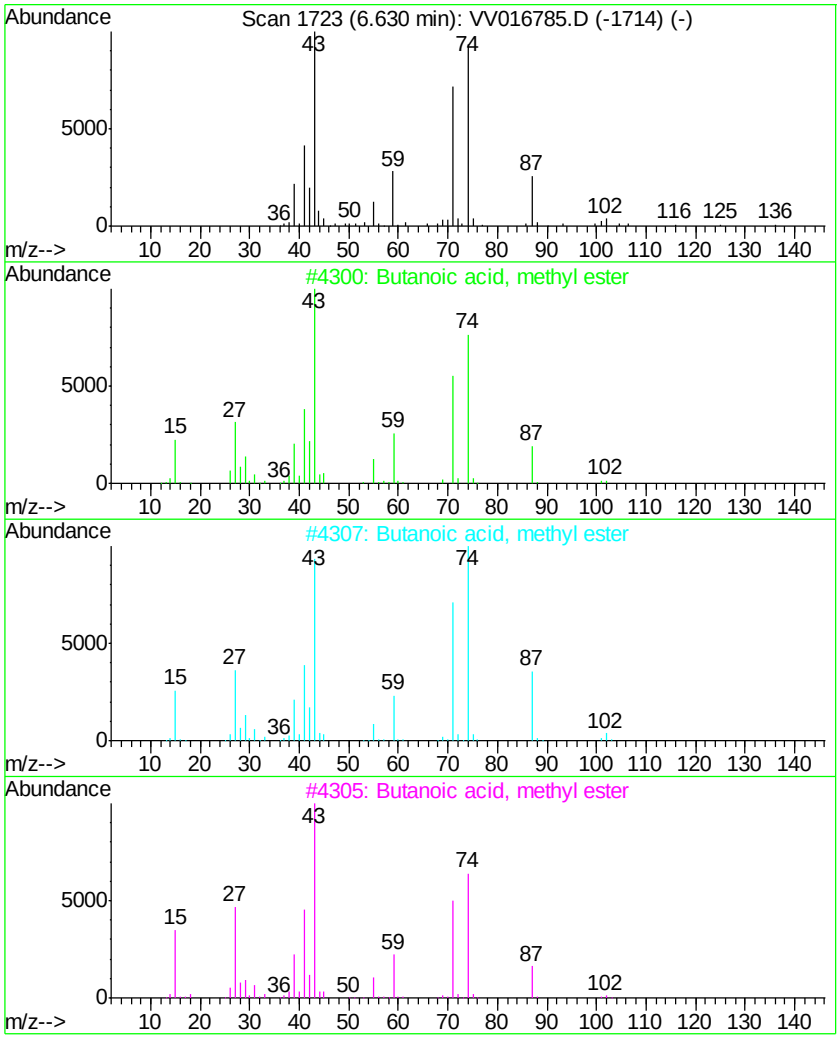
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

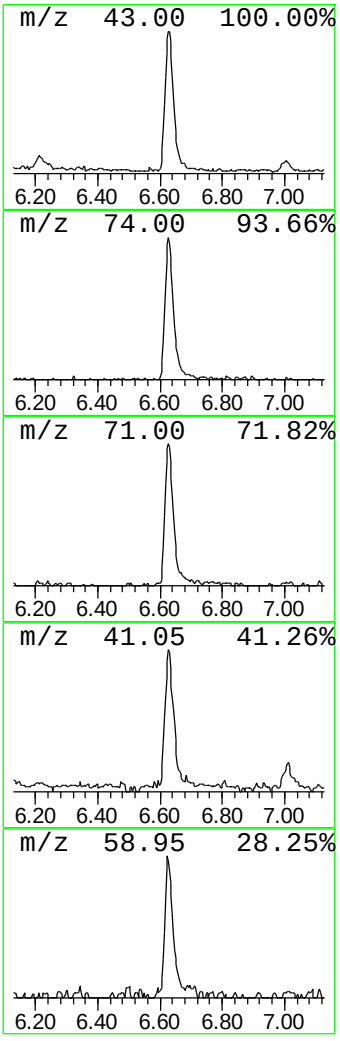
****

Peak Number 5 Butanoic acid, methyl ester Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.63	6.10 ug/L	91605	1,4-Difluorobenzene	5.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanoic acid, methyl ester	102	C5H10O2	000623-42-7	90
2	Butanoic acid, methyl ester	102	C5H10O2	000623-42-7	90
3	Butanoic acid, methyl ester	102	C5H10O2	000623-42-7	87
4	2,3,4-Trimethylpentanoic acid	144	C8H16O2	090435-18-0	40
5	1-Trifluoroacetoxy-2-methylpentane	198	C8H13F3O2	155089-96-6	38





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV061020\
Data File : VV016785.D
Acq On : 10 Jun 2020 22:00
Operator : SY/MD
Sample : L2901-18
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : ETTR1

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

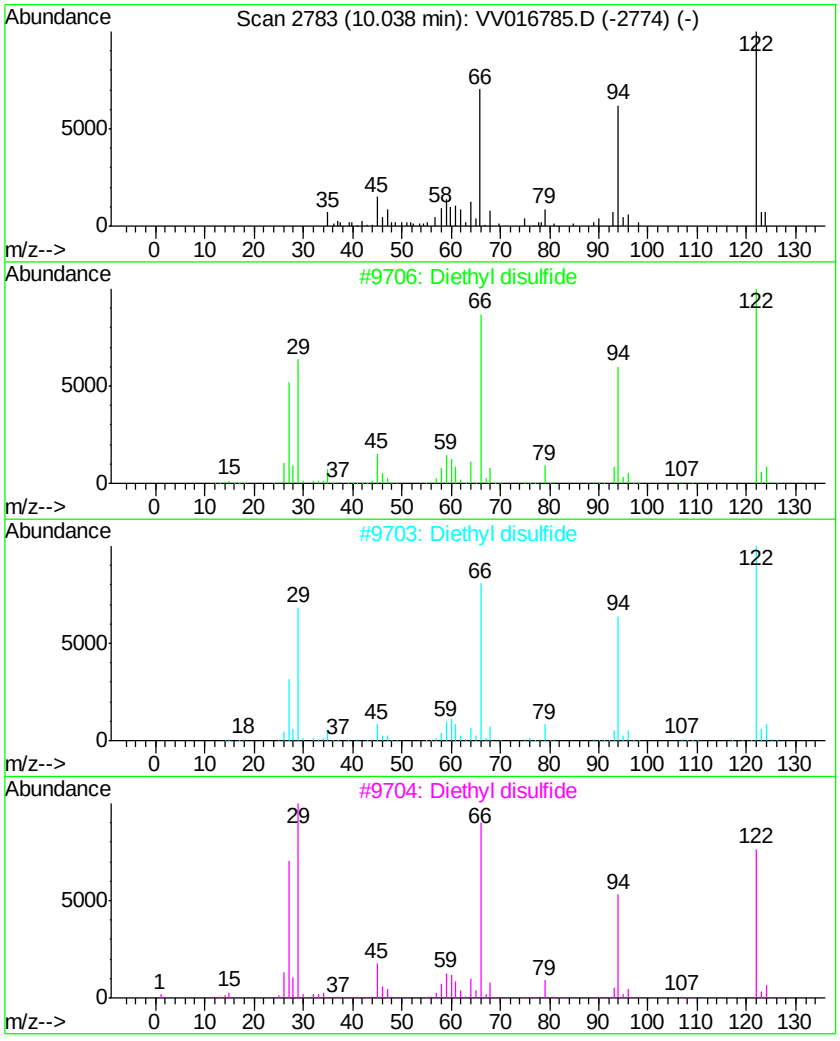
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

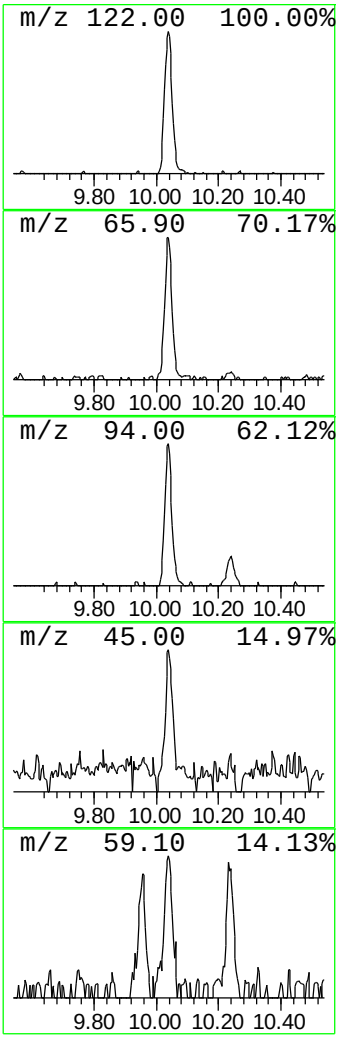
****

Peak Number 7 Diethyl disulfide Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.04	2.87 ug/L	55015	Chlorobenzene-d5	8.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Diethyl disulfide	122	C4H10S2	000110-81-6	96
2	Diethyl disulfide	122	C4H10S2	000110-81-6	95
3	Diethyl disulfide	122	C4H10S2	000110-81-6	78
4	Diethyl sulfone	122	C4H10O2S	000597-35-3	53
5	4,5,6,6a-Tetrahydro-2(1H)-pental...	122	C8H10O	072200-41-0	53





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV061020\
Data File : VV016785.D
Acq On : 10 Jun 2020 22:00
Operator : SY/MD
Sample : L2901-18
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : ETTR1

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	7.1	ug/L	106462	1	5.64	751135	50.0
Ethane, (methylth...	3.83	2.5	ug/L	38248	1	5.64	751135	50.0
Methyl propionate	4.53	2.5	ug/L	37998	1	5.64	751135	50.0
Propanoic acid, 2...	5.81	3.6	ug/L	54536	1	5.64	751135	50.0
Butanoic acid, me...	6.63	6.1	ug/L	91605	1	5.64	751135	50.0
Diethyl disulfide	10.04	2.9	ug/L	55015	2	8.87	957614	50.0