LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV033020\
Data File : VV015283.D
Acq On : 30 Mar 2020 19:43
Operator : SY/MD
Sample : L1975-12
Misc : 5.0mL/MSVOA V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : ETTH5

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\SOMVLM033020WMA.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	1.116	4	8	13	rVB	15213	12345	0.28%	0.057%
2	1.319	63	71	83	rBV2	639022	698904	15.77%	3.251%
3	1.396	89	95	114	rBV	131446	195467	4.41%	0.909%
4	1.579	146	152	164	rBV	179734	224799	5.07%	1.046%
5	2.045	288	297	310	rBV	698044	1000477	22.57%	4.654%
6	2.119	312	320	333	rVB2	372832	554262	12.50%	2.578%
7	3.142	635	638	640	rBV5	2554	1691	0.04%	0.008%
8	3.184	647	651	652	rBV4	2295	1986	0.04%	0.009%
9	3.212	653	660	680	rVB6	10842	31396	0.71%	0.146%
10	3.457	731	736	738	rBV5	1627	1353	0.03%	0.006%
11	3.502	745	750	752	rBV4	1567	1561	0.04%	0.007%
12	3.550	761	765	766	rBV3	2916	1721	0.04%	0.008%
13	3.614	781	785	786	rVV3	2127	1376	0.03%	0.006%
14	3.733	813	822	839	rBV3	26592	68956	1.56%	0.321%
15	3.836	844	854	871	rVB3	40836	95955	2.16%	0.446%
16	3.933	871	884	899	rBV	126547	392971	8.86%	1.828%
17	4.209	968	970	975	rVB6	1640	1326	0.03%	0.006%
18	4.380	1002	1023	1042	rBV	261745	643837	14.52%	2.995%
19	4.630	1098	1101	1104	rBV3	2468	1361	0.03%	0.006%
20	4.936	1192	1196	1198	rBV4	1848	1546	0.03%	0.007%
21	4.971	1204	1207	1209	rBV3	2278	1257	0.03%	0.006%
22	4.990	1209	1213	1218	rVB7	2057	2213	0.05%	0.010%
23	5.074	1218	1239	1267	rBV2	577261	1472072	33.21%	6.848%
24	5.363	1324	1329	1332	rBV5	1622	1454	0.03%	0.007%
25	5.643	1402	1416	1434	rBV	696093	1409640	31.80%	6.557%
26	6.097	1545	1557	1576	rVB	347073	695834	15.70%	3.237%
27	6.209	1584	1592	1608	rVB	46658	96480	2.18%	0.449%
28	6.312	1619	1624	1634	rVB2	26460	37808	0.85%	0.176%
29	6.756	1756	1762	1765	rBV7	3103	3005	0.07%	0.014%
30	7.010	1827	1841	1861	rBV	179459	330119	7.45%	1.536%
31	7.087	1862	1865	1868	rBV5	2622	2032	0.05%	0.009%
32	7.116	1868	1874	1884	rVV5	5732	9349	0.21%	0.043%
33	7.261	1916	1919	1925	rVB7	3512	4048	0.09%	0.019%
34	7.296	1927	1930	1931	rBV3	2682	1502	0.03%	0.007%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV033020\
Data File : VV015283.D
Acq On : 30 Mar 2020 19:43
Operator : SY/MD
Sample : L1975-12
Misc : 5.0mL/MSVOA V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : ETTH5

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\SOMVLM033020WMA.M
Title : VOC Analysis

35	7.338	1932	1943	1960	rBV	658785	1143601	25.80%	5.320%
36	7.643	2024	2038	2050	rBV	132370	240891	5.43%	1.121%
37	7.929	2125	2127	2131	rVB5	2663	1638	0.04%	0.008%
38	8.019	2152	2155	2156	rBV3	2461	1454	0.03%	0.007%
39	8.113	2173	2184	2216	rBV	587934	1108404	25.00%	5.156%
40	8.383	2262	2268	2269	rBV5	7291	6136	0.14%	0.029%
41	8.733	2365	2377	2405	rBV	124888	301916	6.81%	1.404%
42	8.875	2409	2421	2450	rVB	1102048	1795588	40.51%	8.353%
43	9.174	2506	2514	2522	rBV3	6731	11076	0.25%	0.052%
44	9.450	2595	2600	2602	rBV4	2979	2692	0.06%	0.013%
45	9.498	2613	2615	2618	rBV3	1838	1251	0.03%	0.006%
46	9.524	2618	2623	2627	rVB7	2608	2896	0.07%	0.013%
47	9.553	2627	2632	2633	rBV4	2847	2313	0.05%	0.011%
48	9.630	2653	2656	2659	rVB5	2361	1817	0.04%	0.008%
49	9.704	2669	2679	2681	rBV9	10364	14530	0.33%	0.068%
50	9.836	2715	2720	2725	rBV8	3241	4444	0.10%	0.021%
51	10.039	2768	2783	2816	rBV	2437856	4432918	100.00%	20.621%
52	10.238	2833	2845	2861	rVV	560536	883929	19.94%	4.112%
53	10.373	2884	2887	2895	rVB9	2739	3756	0.08%	0.017%
54	10.604	2956	2959	2961	rBV3	3838	2683	0.06%	0.012%
55	10.720	2988	2995	2999	rBV9	2730	3827	0.09%	0.018%
56	11.135	3120	3124	3127	rVV4	2830	1919	0.04%	0.009%
57	11.177	3134	3137	3140	rBV4	1792	1616	0.04%	0.008%
58	11.273	3155	3167	3186	rBV	1106667	1718314	38.76%	7.993%
59	11.379	3197	3200	3211	rVB10	4233	5613	0.13%	0.026%
60	11.492	3229	3235	3241	rVB10	4779	6063	0.14%	0.028%
61	11.553	3247	3254	3267	rBV3	17320	29104	0.66%	0.135%
62	11.649	3272	3284	3302	rBV	774163	1219375	27.51%	5.672%
63	11.794	3327	3329	3331	rBV3	2926	1682	0.04%	0.008%
64	11.903	3355	3363	3374	rBV4	17429	31067	0.70%	0.145%
65	11.993	3387	3391	3392	rBV4	2308	1331	0.03%	0.006%
66	12.106	3421	3426	3428	rBV4	1500	1507	0.03%	0.007%
67	12.202	3452	3456	3462	rVB9	2754	3074	0.07%	0.014%
68	12.312	3488	3490	3493	rBV3	1827	1379	0.03%	0.006%
69	12.424	3523	3525	3530	rVB5	3132	2564	0.06%	0.012%
70	12.633	3586	3590	3593	rVB5	2164	1639	0.04%	0.008%
71	12.675	3598	3603	3607	rBV6	2731	3064	0.07%	0.014%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV033020\
Data File : VV015283.D
Acq On : 30 Mar 2020 19:43
Operator : SY/MD
Sample : L1975-12
Misc : 5.0mL/MSVOA V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : ETTH5

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\SOMVLM033020WMA.M
Title : VOC Analysis

72	12.855	3644	3659	3675	rBV	283431	435245	9.82%	2.025%
73	13.177	3756	3759	3765	rBV8	2767	3171	0.07%	0.015%
74	13.334	3805	3808	3810	rBV4	1766	1383	0.03%	0.006%
75	13.444	3838	3842	3847	rBV8	2425	2162	0.05%	0.010%
76	13.472	3847	3851	3854	rVV5	1818	1731	0.04%	0.008%
77	13.537	3866	3871	3876	rVV8	3306	4293	0.10%	0.020%
78	13.566	3876	3880	3885	rVB7	2724	2802	0.06%	0.013%
79	13.627	3897	3899	3902	rVB4	2569	1560	0.04%	0.007%
80	13.643	3902	3904	3907	rBV4	2300	1590	0.04%	0.007%
81	13.662	3907	3910	3913	rVV4	2383	1627	0.04%	0.008%
82	13.826	3956	3961	3963	rBV6	2790	2811	0.06%	0.013%
83	13.977	4006	4008	4011	rBV3	2092	1393	0.03%	0.006%
84	14.038	4026	4027	4033	rVB5	2458	1779	0.04%	0.008%
85	14.119	4048	4052	4054	rBV5	2604	1710	0.04%	0.008%
86	14.138	4055	4058	4062	rVV4	3156	2395	0.05%	0.011%
87	14.167	4062	4067	4078	rVV4	4710	8321	0.19%	0.039%
88	14.347	4120	4123	4126	rBV5	2784	2241	0.05%	0.010%
89	14.366	4126	4129	4132	rVB4	2210	1331	0.03%	0.006%
90	14.427	4143	4148	4150	rBV6	1876	1663	0.04%	0.008%
91	14.743	4243	4246	4248	rVB3	2502	1321	0.03%	0.006%
92	14.807	4259	4266	4268	rBV6	2347	2850	0.06%	0.013%
93	15.083	4349	4352	4358	rVB8	2002	1887	0.04%	0.009%
94	15.199	4384	4388	4391	rVB4	2037	1754	0.04%	0.008%
95	15.225	4393	4396	4399	rBV5	1826	1424	0.03%	0.007%
96	15.279	4409	4413	4416	rBV4	2735	2543	0.06%	0.012%
97	15.408	4451	4453	4455	rBV3	2918	1311	0.03%	0.006%
98	15.617	4515	4518	4521	rBV4	1879	1569	0.04%	0.007%
99	16.058	4652	4655	4659	rBV5	3265	2676	0.06%	0.012%
100	16.344	4742	4744	4749	rBV6	2800	3172	0.07%	0.015%

Sum of corrected areas: 21496889

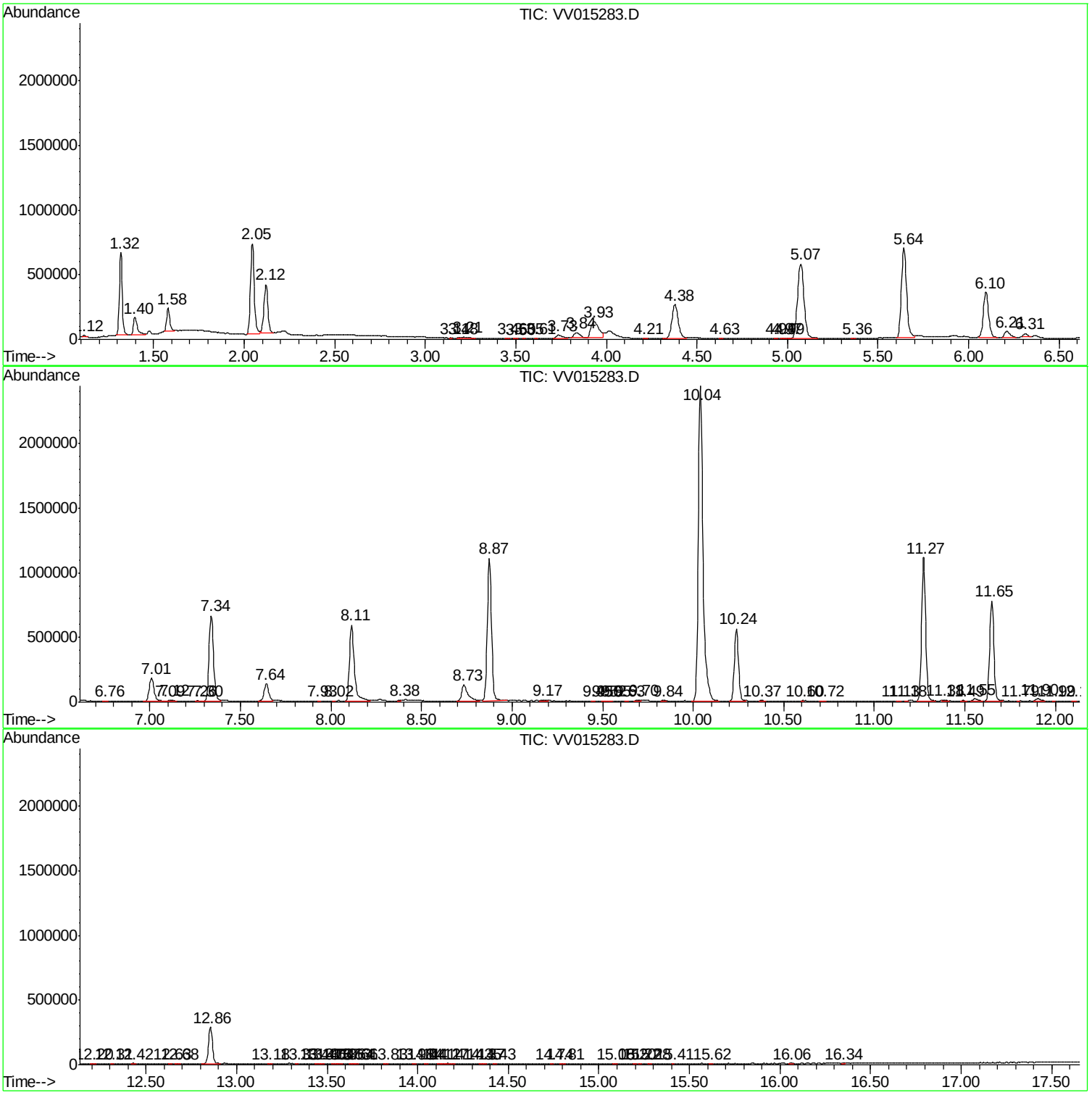
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV033020\
Data File : VV015283.D
Acq On : 30 Mar 2020 19:43
Operator : SY/MD
Sample : L1975-12
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : ETTH5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM033020WMA.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\VV033020\
Data File : VV015283.D
Acq On : 30 Mar 2020 19:43
Operator : SY/MD
Sample : L1975-12
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : ETTH5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM033020WMA.M
Quant Title : VOC Analysis

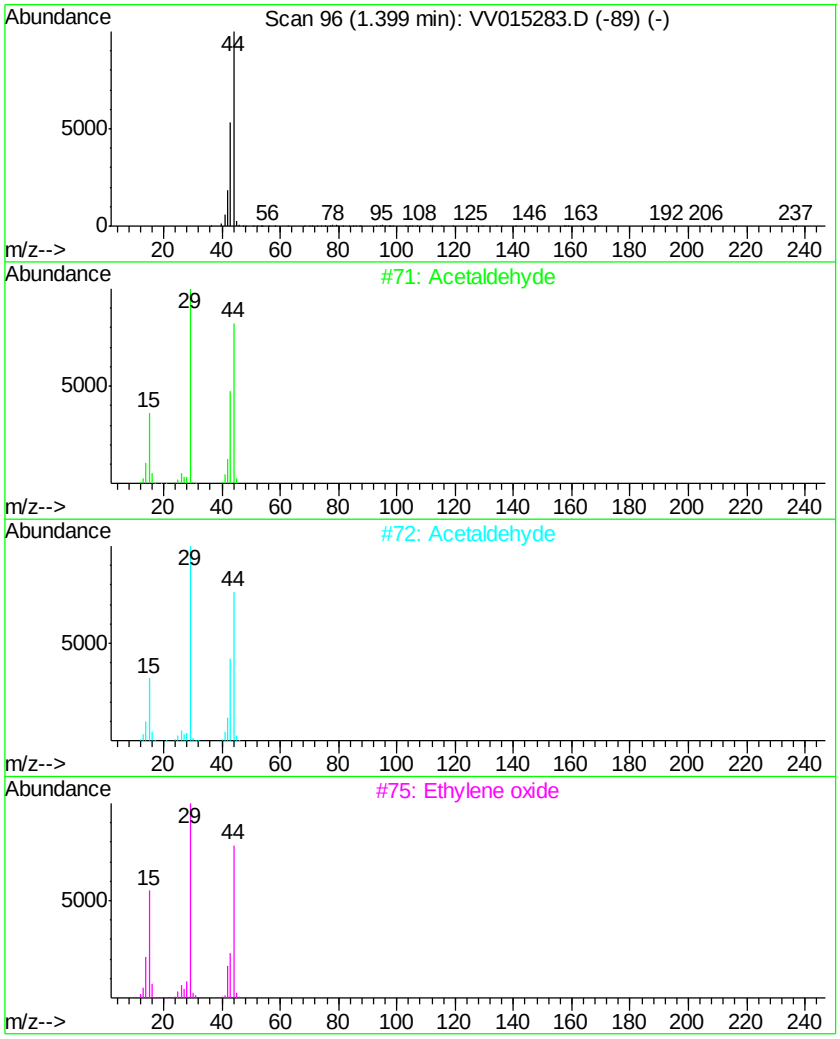
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

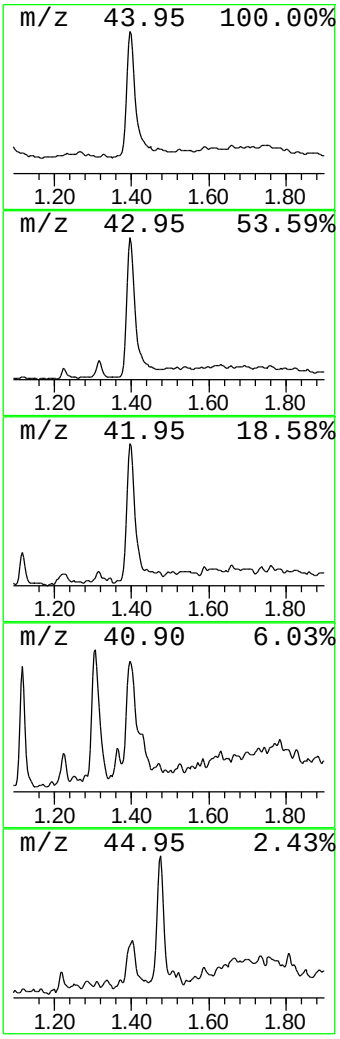
****

Peak Number 1 unknown-01 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.40	6.93 ug/L	195467	1,4-Difluorobenzene	5.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetaldehyde	44	C2H4O	000075-07-0	9
2	Acetaldehyde	44	C2H4O	000075-07-0	9
3	Ethylene oxide	44	C2H4O	000075-21-8	5
4	Ethylene oxide	44	C2H4O	000075-21-8	5
5	Carbon dioxide	44	CO2	000124-38-9	4





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV033020\
Data File : VV015283.D
Acq On : 30 Mar 2020 19:43
Operator : SY/MD
Sample : L1975-12
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : ETTH5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM033020WMA.M
Quant Title : VOC Analysis

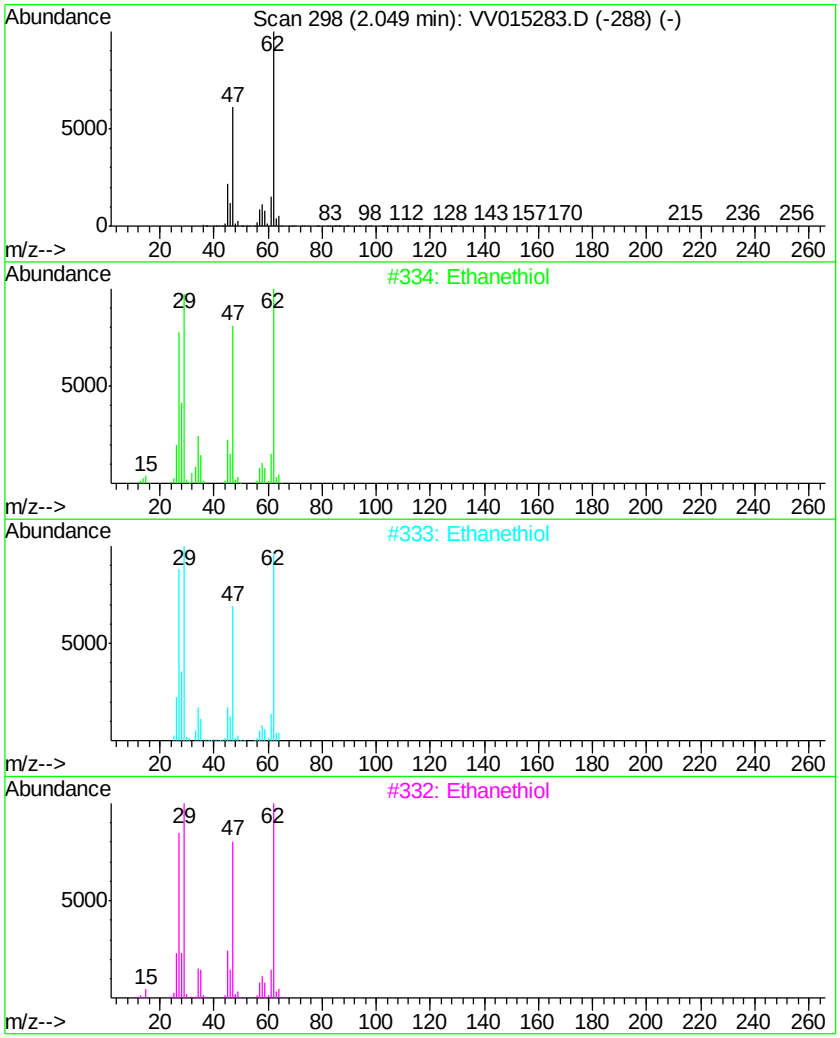
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

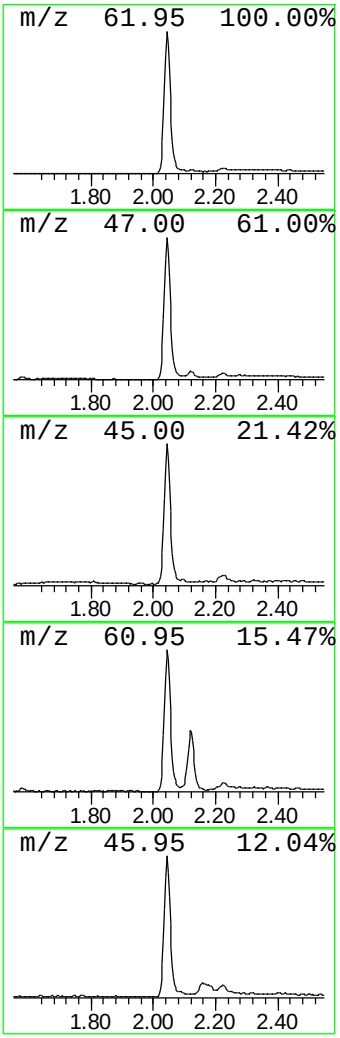
****

Peak Number 2 Ethanethiol Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.05	35.49 ug/L	1000480	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	90





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV033020\
Data File : VV015283.D
Acq On : 30 Mar 2020 19:43
Operator : SY/MD
Sample : L1975-12
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : ETTH5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM033020WMA.M
Quant Title : VOC Analysis

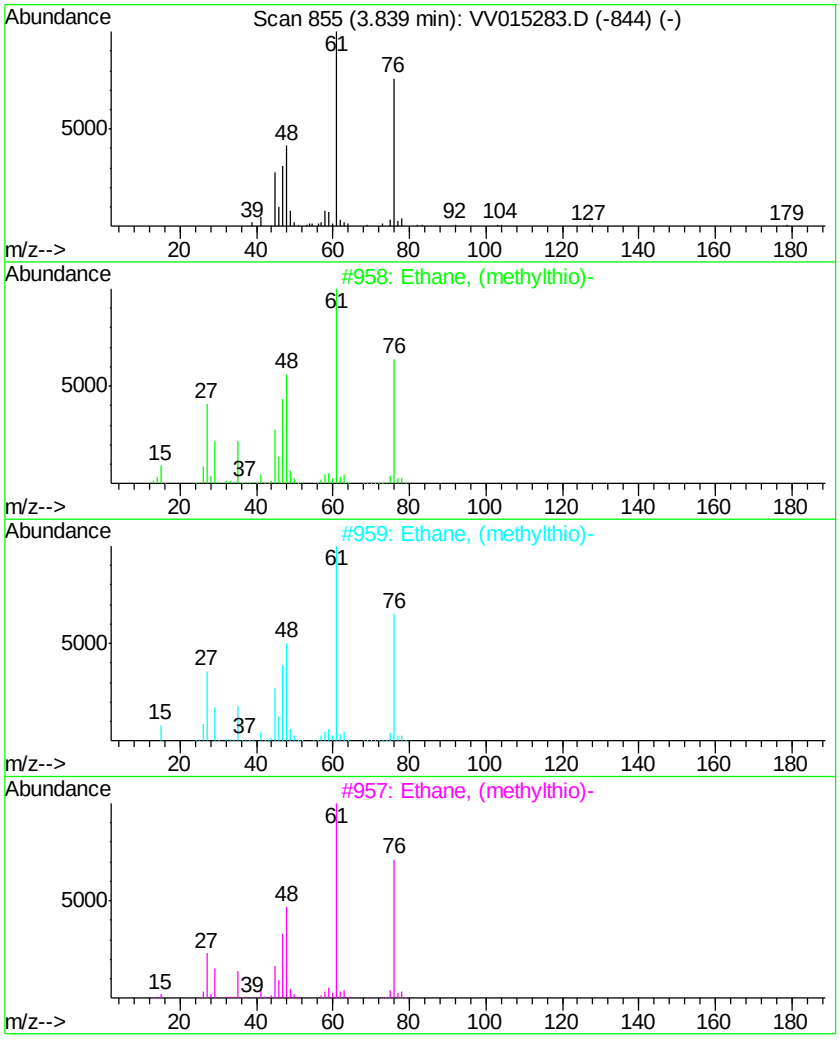
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

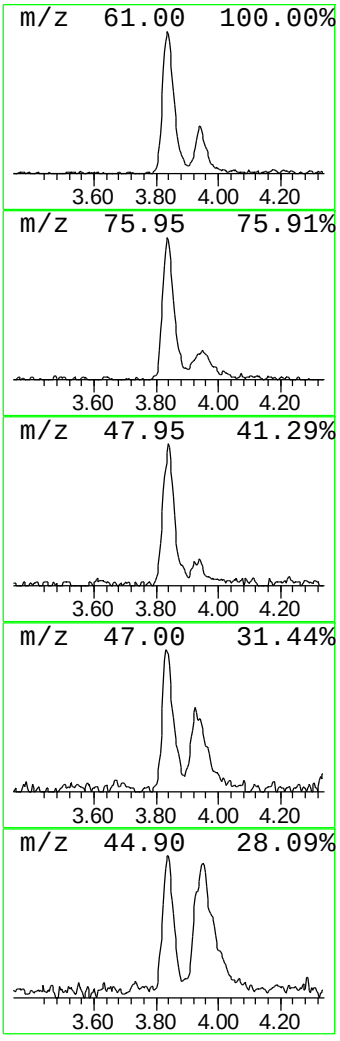
****

Peak Number 3 Ethane, (methylthio)- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.84	3.40 ug/L	95955	1,4-Difluorobenzene	5.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethane, (methylthio)-	76	C3H8S	000624-89-5	91
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	56
5	Trimethylphosphine	76	C3H9P	000594-09-2	56





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV033020\
Data File : VV015283.D
Acq On : 30 Mar 2020 19:43
Operator : SY/MD
Sample : L1975-12
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : ETTH5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM033020WMA.M
Quant Title : VOC Analysis

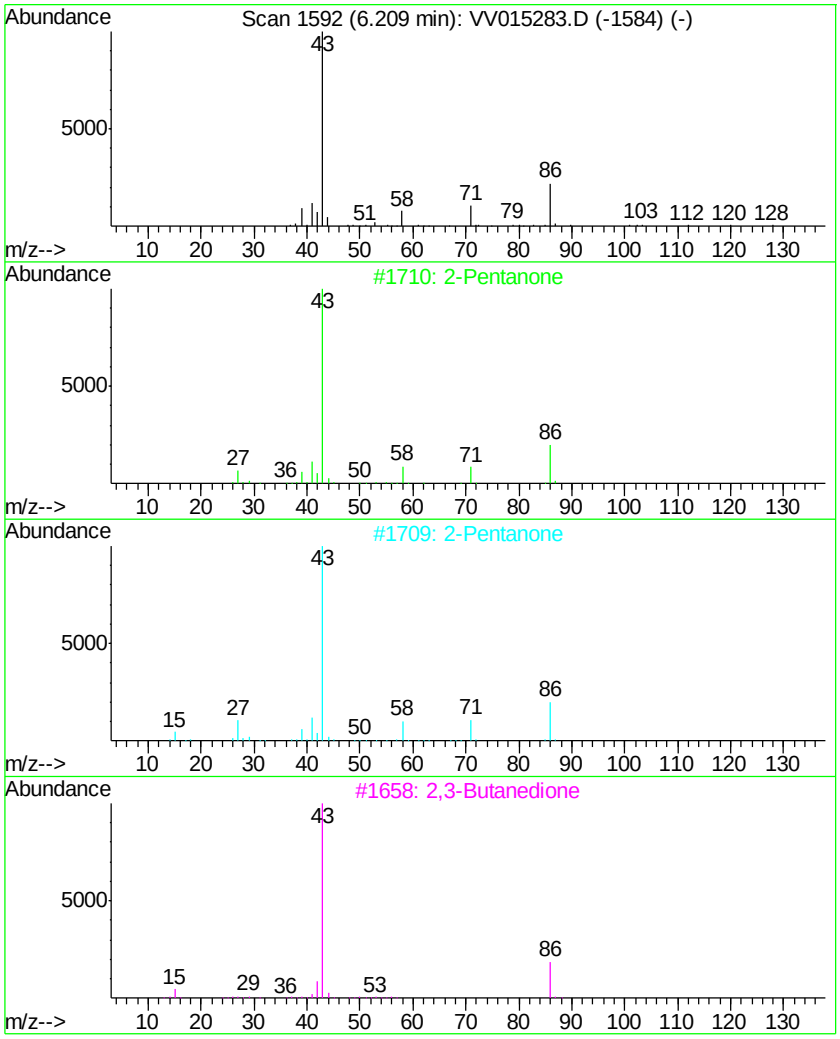
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

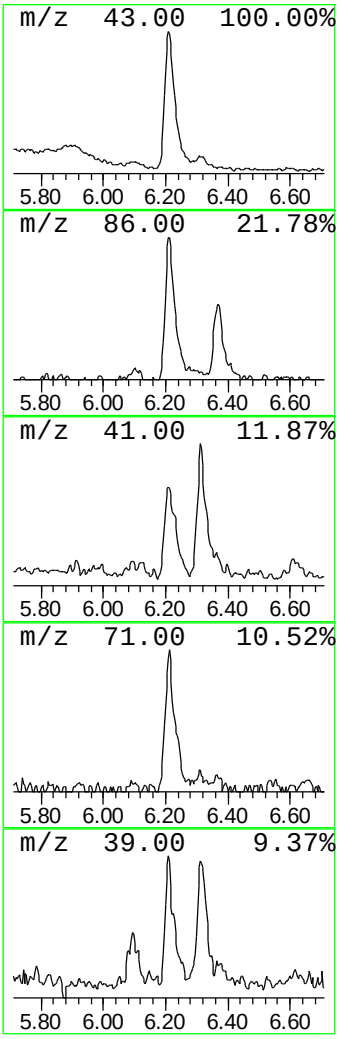
****

Peak Number 4 2-Pentanone Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.21	3.42 ug/L	96480	1,4-Difluorobenzene	5.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone	86	C5H10O	000107-87-9	86
2	2-Pentanone	86	C5H10O	000107-87-9	64
3	2,3-Butanedione	86	C4H6O2	000431-03-8	53
4	2-Pentanone	86	C5H10O	000107-87-9	50
5	2,3-Pentanedione, 4-methyl-	114	C6H10O2	007493-58-5	28





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV033020\
Data File : VV015283.D
Acq On : 30 Mar 2020 19:43
Operator : SY/MD
Sample : L1975-12
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : ETTH5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM033020WMA.M
Quant Title : VOC Analysis

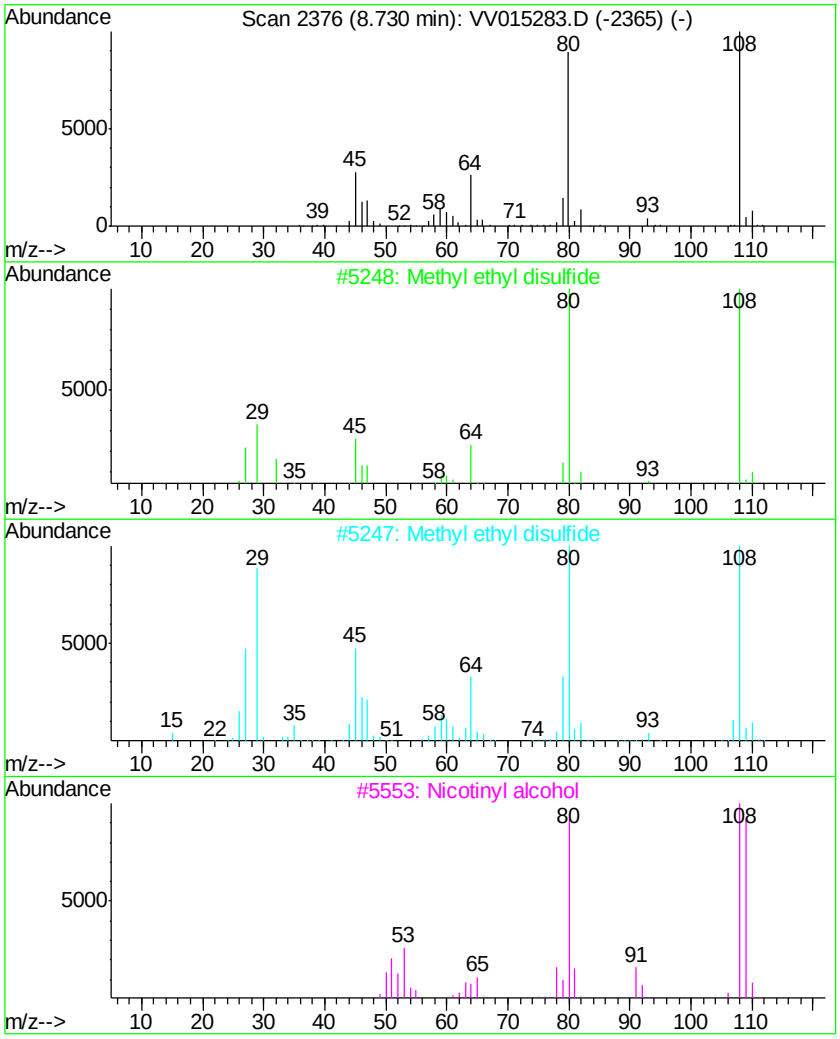
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

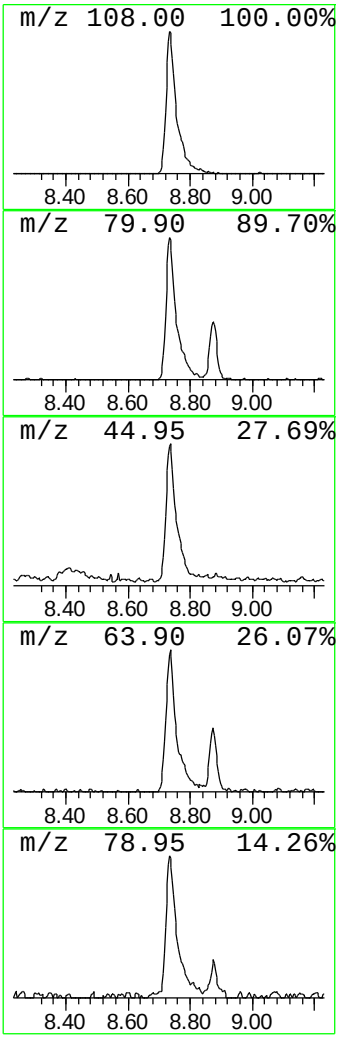
****

Peak Number 6 Methyl ethyl disulfide Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.73	8.41 ug/L	301916	Chlorobenzene-d5	8.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methyl ethyl disulfide	108	C3H8S2	020333-39-5	97
2	Methyl ethyl disulfide	108	C3H8S2	020333-39-5	86
3	Nicotinyl alcohol	109	C6H7NO	000100-55-0	64
4	Disulfide, methyl propyl	122	C4H10S2	002179-60-4	59
5	Tris(ethanesulfonyl)methane	292	C7H16O6S3	021467-59-4	56





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV033020\
Data File : VV015283.D
Acq On : 30 Mar 2020 19:43
Operator : SY/MD
Sample : L1975-12
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : ETTH5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM033020WMA.M
Quant Title : VOC Analysis

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

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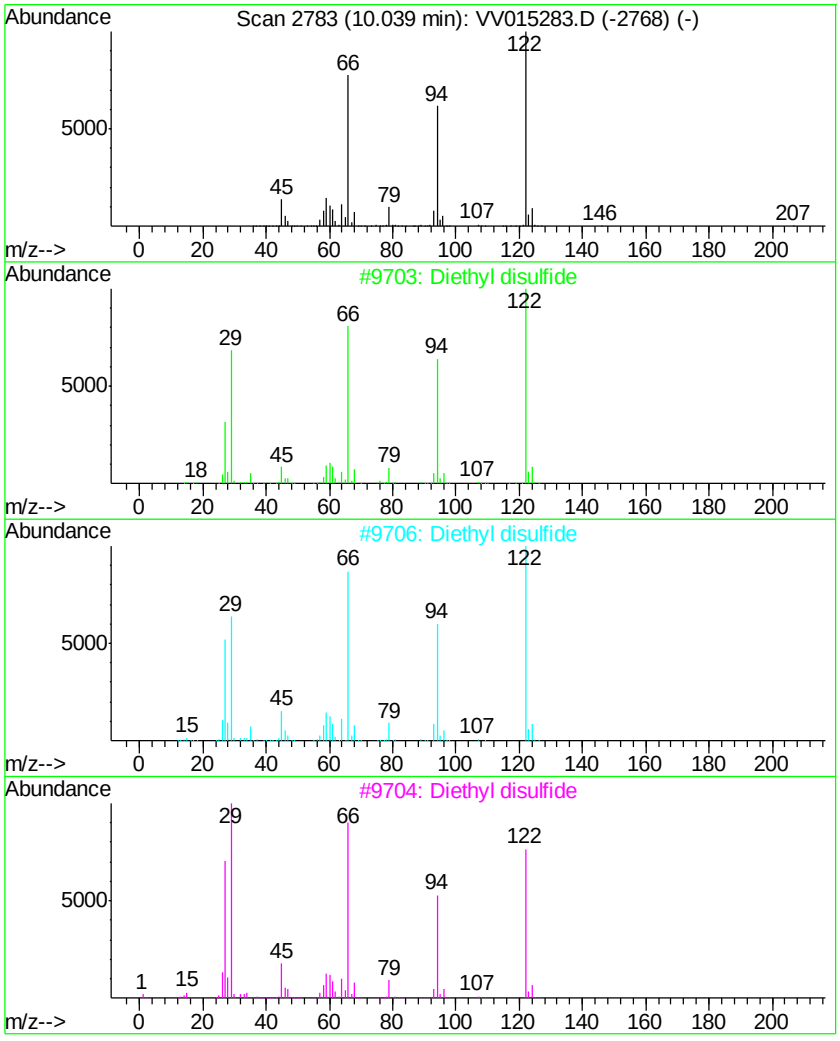
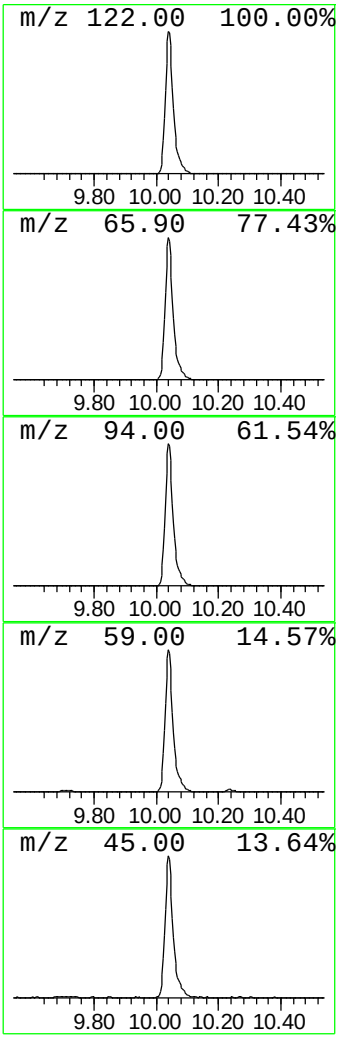
Peak Number 7 Diethyl disulfide Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.04	123.44 ug/L	4432920	Chlorobenzene-d5	8.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Diethyl disulfide	122	C4H10S2	000110-81-6	97
2	Diethyl disulfide	122	C4H10S2	000110-81-6	95
3	Diethyl disulfide	122	C4H10S2	000110-81-6	91
4	Diethyl sulfone	122	C4H10O2S	000597-35-3	64
5	Diethyl sulfone	122	C4H10O2S	000597-35-3	45





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV033020\
Data File : VV015283.D
Acq On : 30 Mar 2020 19:43
Operator : SY/MD
Sample : L1975-12
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : ETTH5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM033020WMA.M
Quant Title : VOC Analysis

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

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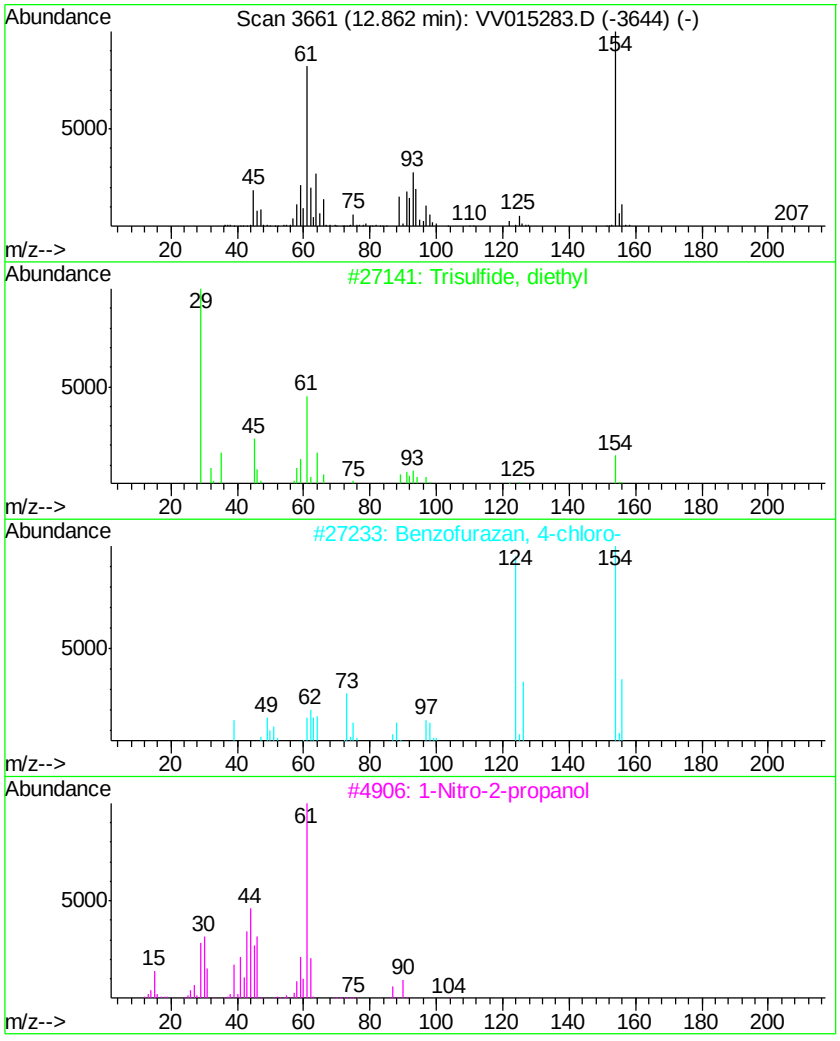
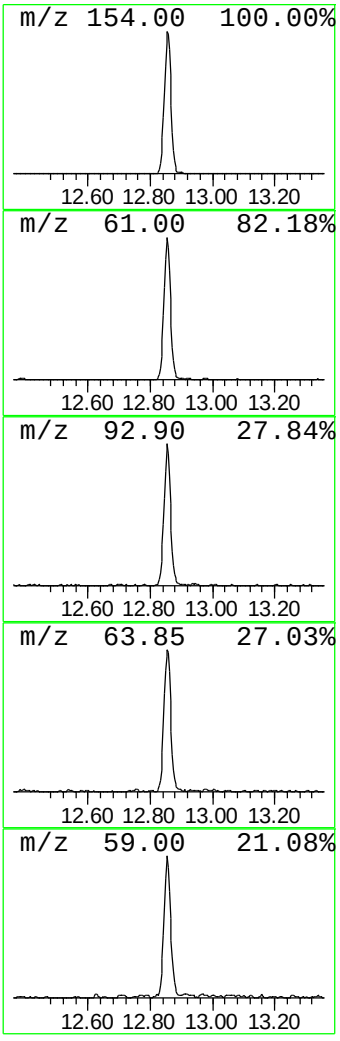
Peak Number 8 Trisulfide, diethyl Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.86	12.66 ug/L	435245	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Trisulfide, diethyl	154	C4H10S3	003600-24-6	64
2	Benzofurazan, 4-chloro-	154	C6H3ClN2O	007116-16-7	37
3	1-Nitro-2-propanol	105	C3H7NO3	003156-73-8	23
4	5-Chloro-benzofurazan	154	C6H3ClN2O	019155-86-3	16
5	4-Nitro-2-picoline N-oxide	154	C6H6N2O3	005470-66-6	14





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV033020\
Data File : VV015283.D
Acq On : 30 Mar 2020 19:43
Operator : SY/MD
Sample : L1975-12
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : ETTH5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM033020WMA.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
unknown-01	1.40	6.9	ug/L	195467	1	5.64	1409640	50.0
Ethanethiol	2.05	35.5	ug/L	1000480	1	5.64	1409640	50.0
Ethane, (methylth...	3.84	3.4	ug/L	95955	1	5.64	1409640	50.0
2-Pentanone	6.21	3.4	ug/L	96480	1	5.64	1409640	50.0
Methyl ethyl disu...	8.73	8.4	ug/L	301916	2	8.87	1795590	50.0
Diethyl disulfide	10.04	123.4	ug/L	4432920	2	8.87	1795590	50.0
Trisulfide, diethyl	12.86	12.7	ug/L	435245	3	11.27	1718310	50.0