LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV033120\
Data File : VV015318.D
Acq On : 31 Mar 2020 17:01
Operator : SY/MD
Sample : L1976-15
Misc : 5.0mL/MSVOA V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : ETTJ4

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	3	8	20	rVB	34616	36535	1.75%	0.177%
2	1.315	62	70	81	rVB	292875	321102	15.42%	1.559%
3	1.396	89	95	112	rBV	117922	190979	9.17%	0.927%
4	1.579	146	152	165	rVB	273429	320481	15.39%	1.556%
5	2.119	310	320	333	rBV2	662040	1040885	50.00%	5.054%
6	2.219	338	351	389	rVB3	363921	1007460	48.39%	4.892%
7	2.727	506	509	510	rBV3	2086	1309	0.06%	0.006%
8	2.785	520	527	539	rVB3	14669	25291	1.21%	0.123%
9	2.875	551	555	556	rBV4	2172	1537	0.07%	0.007%
10	2.981	578	588	605	rVV2	19674	44440	2.13%	0.216%
11	3.161	640	644	646	rBV5	1716	1375	0.07%	0.007%
12	3.203	653	657	659	rBV4	2774	2082	0.10%	0.010%
13	3.283	678	682	685	rBV6	1727	1497	0.07%	0.007%
14	3.347	700	702	707	rBV6	2072	1676	0.08%	0.008%
15	3.392	712	716	719	rBV4	1693	1504	0.07%	0.007%
16	3.434	725	729	732	rVB5	2082	1538	0.07%	0.007%
17	3.457	732	736	740	rBV7	1968	1740	0.08%	0.008%
18	3.579	770	774	778	rBV7	2346	1796	0.09%	0.009%
19	3.614	782	785	787	rBV4	2066	1241	0.06%	0.006%
20	3.733	810	822	836	rBV3	37020	96345	4.63%	0.468%
21	3.833	841	853	871	rBV	191844	442626	21.26%	2.149%
22	3.929	871	883	898	rBV	131234	408321	19.61%	1.983%
23	4.296	995	997	1000	rVB4	2184	1148	0.06%	0.006%
24	4.376	1003	1022	1041	rBV	342272	861585	41.39%	4.184%
25	4.679	1113	1116	1119	rBV5	1781	1084	0.05%	0.005%
26	4.704	1122	1124	1130	rVB7	2264	2146	0.10%	0.010%
27	4.823	1158	1161	1165	rBV4	2160	1709	0.08%	0.008%
28	5.074	1221	1239	1260	rBV2	828720	2081841	100.00%	10.109%
29	5.306	1308	1311	1313	rBV4	2433	1145	0.05%	0.006%
30	5.357	1319	1327	1333	rBV7	8442	13921	0.67%	0.068%
31	5.566	1384	1392	1402	rBV3	9362	18327	0.88%	0.089%
32	5.643	1403	1416	1436	rBV	676433	1455631	69.92%	7.068%
33	6.093	1544	1556	1576	rVB	478997	956578	45.95%	4.645%
34	6.206	1582	1591	1614	rVB	81910	178432	8.57%	0.866%

LSC Area Percent Report

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Data File : VV015318.D
Acq On : 31 Mar 2020 17:01
Operator : SY/MD
Sample : L1976-15
Misc : 5.0mL/MSVOA V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : ETTJ4

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	6.312	1615	1624	1633	rBV3	60396	112996	5.43%	0.549%
36	6.550	1695	1698	1702	rBV5	2468	2061	0.10%	0.010%
37	6.785	1769	1771	1777	rVB7	2230	1546	0.07%	0.008%
38	7.006	1828	1840	1860	rBV	301823	541377	26.00%	2.629%
39	7.113	1865	1873	1883	rVV3	18023	30963	1.49%	0.150%
40	7.222	1904	1907	1909	rBV3	2455	1547	0.07%	0.008%
41	7.264	1912	1920	1930	rVB4	11723	19288	0.93%	0.094%
42	7.338	1931	1943	1959	rBV	1025605	1758928	84.49%	8.541%
43	7.643	2027	2038	2057	rBV	211204	361885	17.38%	1.757%
44	7.849	2099	2102	2105	rBV5	2117	1393	0.07%	0.007%
45	7.894	2112	2116	2120	rBV7	2317	1867	0.09%	0.009%
46	8.029	2151	2158	2168	rBV2	27090	45176	2.17%	0.219%
47	8.113	2173	2184	2199	rBV	697308	1242111	59.66%	6.032%
48	8.267	2225	2232	2240	rBV8	15295	24479	1.18%	0.119%
49	8.566	2322	2325	2328	rBV5	3982	3863	0.19%	0.019%
50	8.637	2345	2347	2350	rBV4	2365	1442	0.07%	0.007%
51	8.685	2359	2362	2365	rBV5	1566	1432	0.07%	0.007%
52	8.736	2368	2378	2392	rVV	80876	150159	7.21%	0.729%
53	8.875	2409	2421	2448	rVB	1062322	1736861	83.43%	8.434%
54	9.569	2633	2637	2644	rVB9	2936	3463	0.17%	0.017%
55	9.630	2646	2656	2660	rBV4	5868	9664	0.46%	0.047%
56	9.730	2674	2687	2696	rBV	31758	57906	2.78%	0.281%
57	9.833	2711	2719	2728	rBV4	35738	57032	2.74%	0.277%
58	10.038	2772	2783	2796	rBV	152900	244781	11.76%	1.189%
59	10.238	2832	2845	2859	rBV	708463	1116210	53.62%	5.420%
60	10.463	2907	2915	2922	rVB	4823	7176	0.34%	0.035%
61	10.878	3040	3044	3047	rBV6	3053	2847	0.14%	0.014%
62	10.961	3064	3070	3077	rVB7	13010	16457	0.79%	0.080%
63	11.064	3095	3102	3118	rVB3	20117	34974	1.68%	0.170%
64	11.273	3155	3167	3188	rVB	1079193	1660256	79.75%	8.062%
65	11.498	3228	3237	3249	rBV	41345	77817	3.74%	0.378%
66	11.646	3271	3283	3296	rBV	1047340	1634205	78.50%	7.935%
67	11.810	3332	3334	3336	rBV3	2605	1303	0.06%	0.006%
68	12.035	3402	3404	3410	rVB7	2670	2215	0.11%	0.011%
69	12.064	3410	3413	3416	rBV5	2223	1440	0.07%	0.007%
70	12.257	3467	3473	3482	rBV2	18922	26482	1.27%	0.129%
71	12.366	3503	3507	3516	rVB10	7953	10968	0.53%	0.053%

LSC Area Percent Report

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Data File : VV015318.D
Acq On : 31 Mar 2020 17:01
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Sample : L1976-15
Misc : 5.0mL/MSVOA V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : ETTJ4

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	12.524	3554	3556	3561	rBV5	1497	1182	0.06%	0.006%
73	12.685	3604	3606	3609	rVV4	2025	1272	0.06%	0.006%
74	12.759	3627	3629	3636	rVB7	3408	3412	0.16%	0.017%
75	12.855	3655	3659	3668	rVB9	10198	13486	0.65%	0.065%
76	13.038	3712	3716	3718	rBV5	2200	1872	0.09%	0.009%
77	13.164	3752	3755	3756	rBV3	2232	1271	0.06%	0.006%
78	13.363	3815	3817	3820	rVB4	2521	1182	0.06%	0.006%
79	13.408	3829	3831	3836	rVB5	2385	1766	0.08%	0.009%
80	13.443	3837	3842	3843	rBV4	3775	2860	0.14%	0.014%
81	13.511	3860	3863	3864	rBV3	2671	1485	0.07%	0.007%
82	13.656	3906	3908	3911	rVB3	1652	1128	0.05%	0.005%
83	13.707	3921	3924	3927	rBV5	2196	1611	0.08%	0.008%
84	13.759	3937	3940	3942	rBV3	2897	1979	0.10%	0.010%
85	13.923	3988	3991	3994	rBV4	2188	1562	0.08%	0.008%
86	14.051	4028	4031	4035	rVB6	1978	1617	0.08%	0.008%
87	14.096	4042	4045	4046	rBV3	3814	2449	0.12%	0.012%
88	14.138	4055	4058	4059	rBV3	2653	1217	0.06%	0.006%
89	14.202	4074	4078	4080	rBV4	1615	1235	0.06%	0.006%
90	14.418	4141	4145	4146	rBV4	2152	1605	0.08%	0.008%
91	14.505	4170	4172	4176	rVB4	2182	1448	0.07%	0.007%
92	14.530	4176	4180	4182	rBV4	2412	1660	0.08%	0.008%
93	14.578	4190	4195	4198	rBV7	1982	1955	0.09%	0.009%
94	14.791	4258	4261	4266	rVB7	1777	1463	0.07%	0.007%
95	15.022	4330	4333	4335	rBV3	2038	1323	0.06%	0.006%
96	15.189	4383	4385	4389	rVB4	2013	1267	0.06%	0.006%
97	15.537	4490	4493	4497	rBV4	2501	2473	0.12%	0.012%
98	15.736	4549	4555	4557	rBV6	2312	2999	0.14%	0.015%
99	15.910	4607	4609	4612	rBV4	2048	1491	0.07%	0.007%
100	16.006	4637	4639	4645	rBV7	3027	3503	0.17%	0.017%

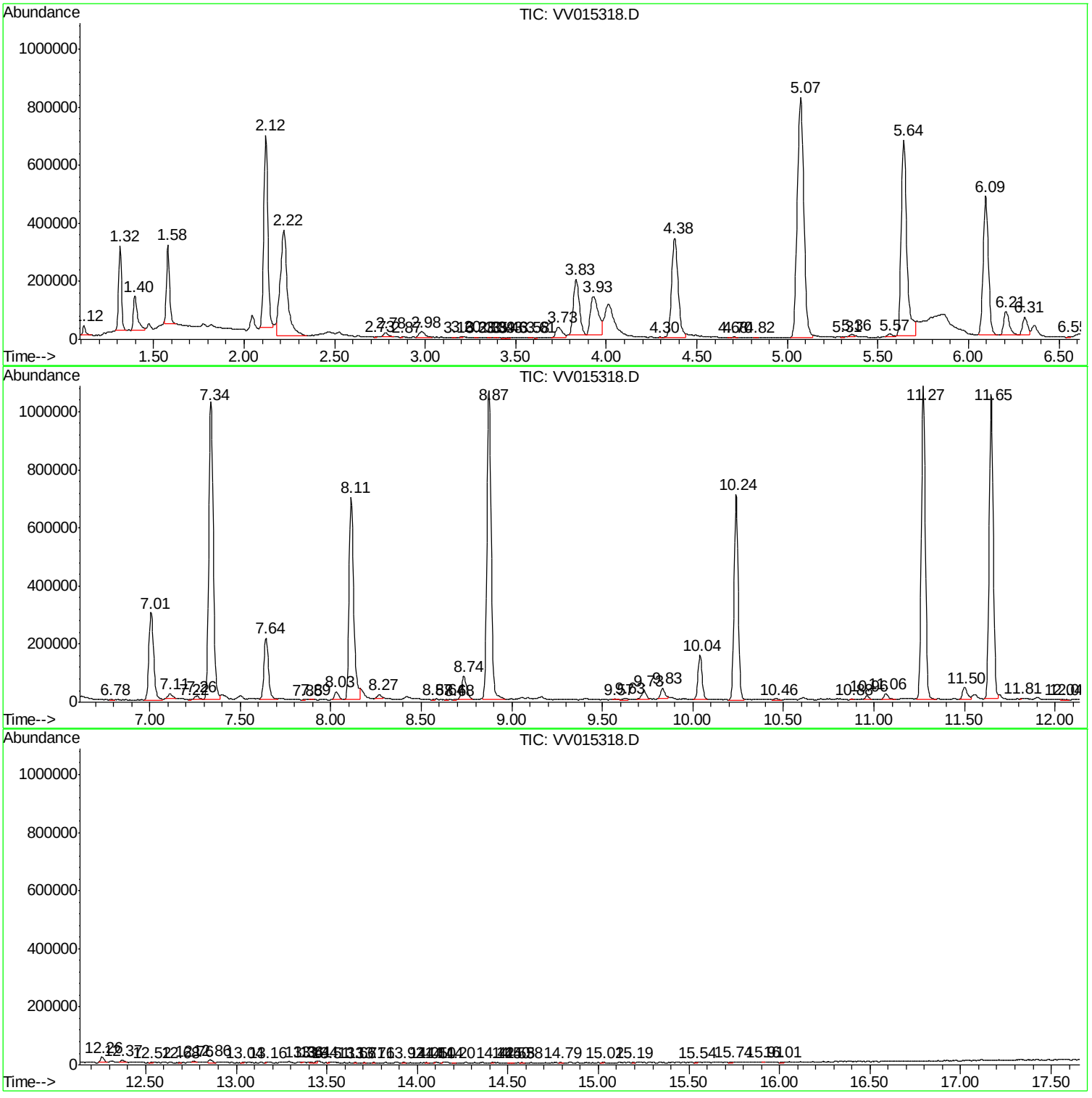
Sum of corrected areas: 20593650

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV033120\
Data File : VV015318.D
Acq On : 31 Mar 2020 17:01
Operator : SY/MD
Sample : L1976-15
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
ETTJ4

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\VV033120\
Data File : VV015318.D
Acq On : 31 Mar 2020 17:01
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Sample : L1976-15
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ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : ETTJ4

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

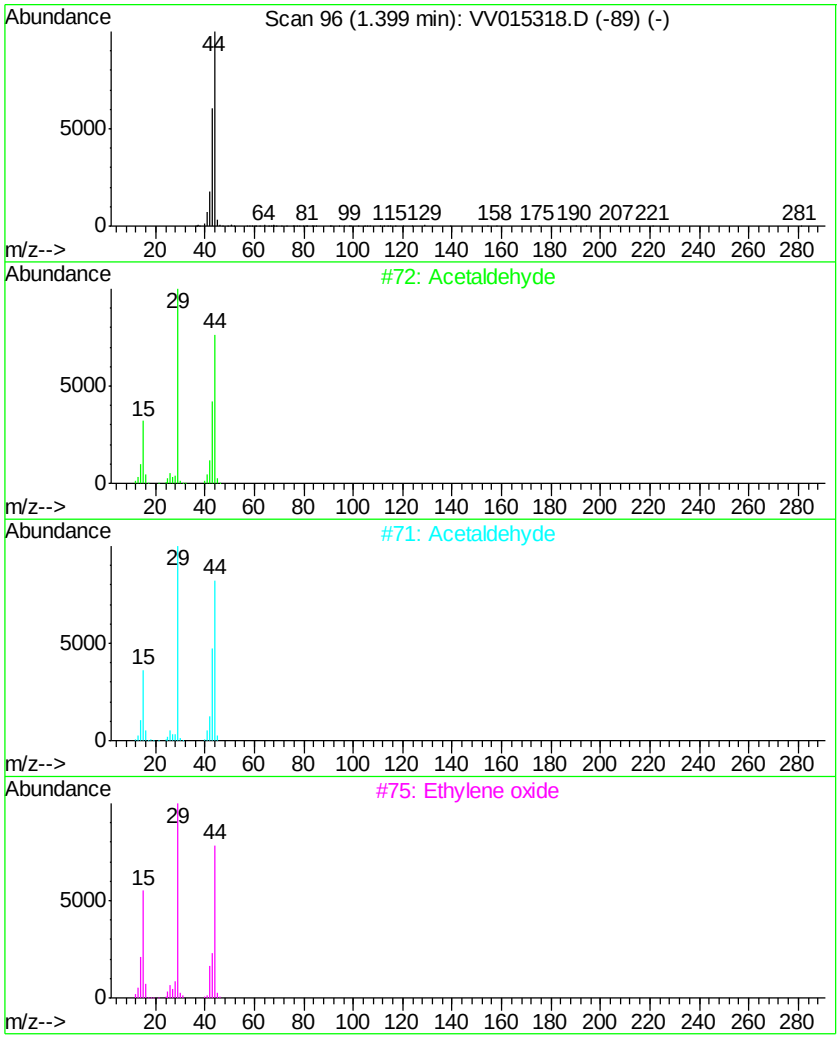
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

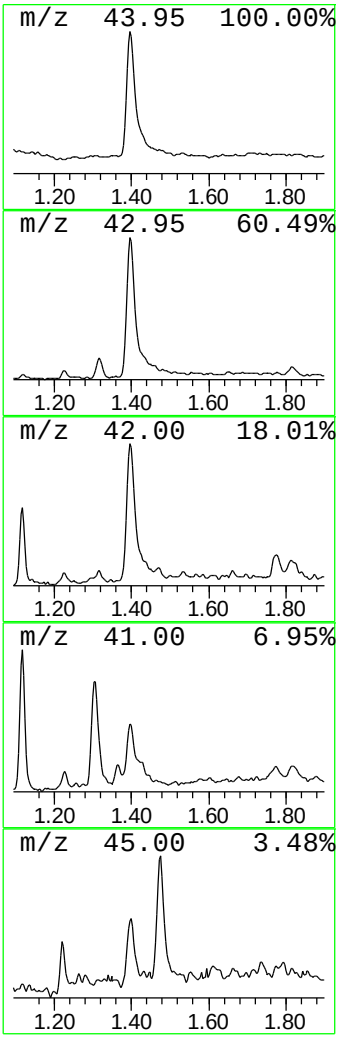
****

Peak Number 1 Acetaldehyde Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.40	6.56 ug/L	190979	1,4-Difluorobenzene	5.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetaldehyde	44	C2H4O	000075-07-0	56
2	Acetaldehyde	44	C2H4O	000075-07-0	56
3	Ethylene oxide	44	C2H4O	000075-21-8	9
4	Propane	44	C3H8	000074-98-6	5
5	Ethylene oxide	44	C2H4O	000075-21-8	5





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV033120\
Data File : VV015318.D
Acq On : 31 Mar 2020 17:01
Operator : SY/MD
Sample : L1976-15
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : ETTJ4

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

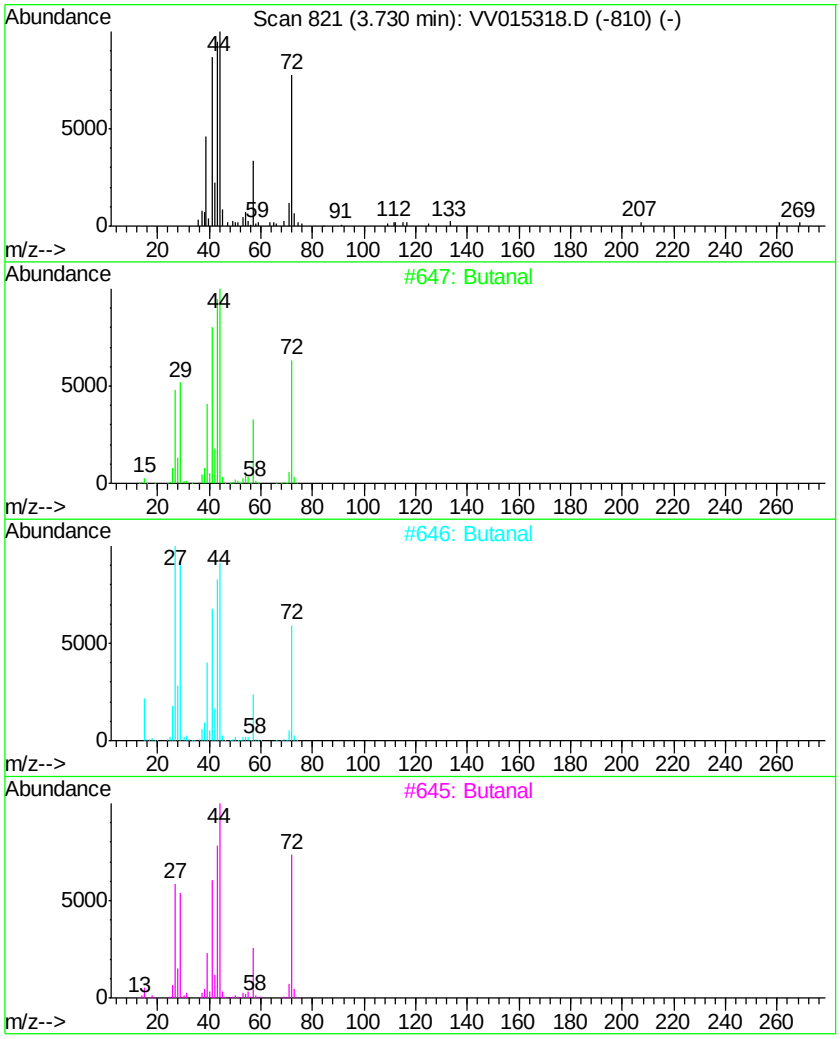
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

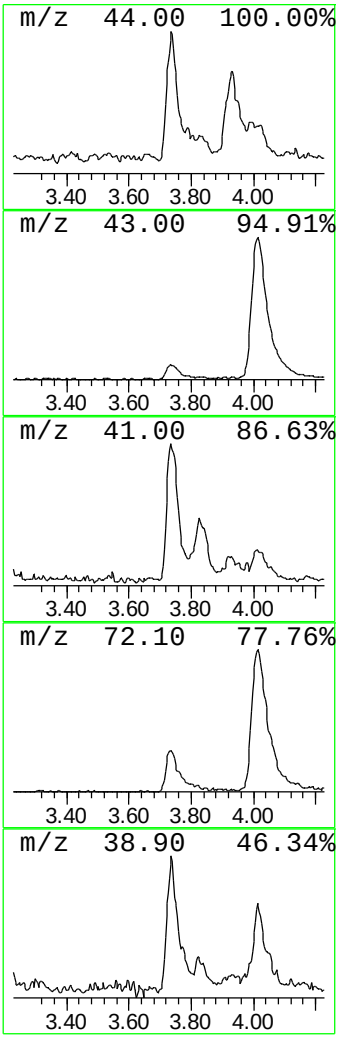
****

Peak Number 2 Butanal Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.73	3.31 ug/L	96345	1,4-Difluorobenzene	5.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanal	72	C4H8O	000123-72-8	94
2	Butanal	72	C4H8O	000123-72-8	91
3	Butanal	72	C4H8O	000123-72-8	68
4	Butanal	72	C4H8O	000123-72-8	64
5	O-Methylisourea	74	C2H6N2O	002440-60-0	50





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV033120\
Data File : VV015318.D
Acq On : 31 Mar 2020 17:01
Operator : SY/MD
Sample : L1976-15
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : ETTJ4

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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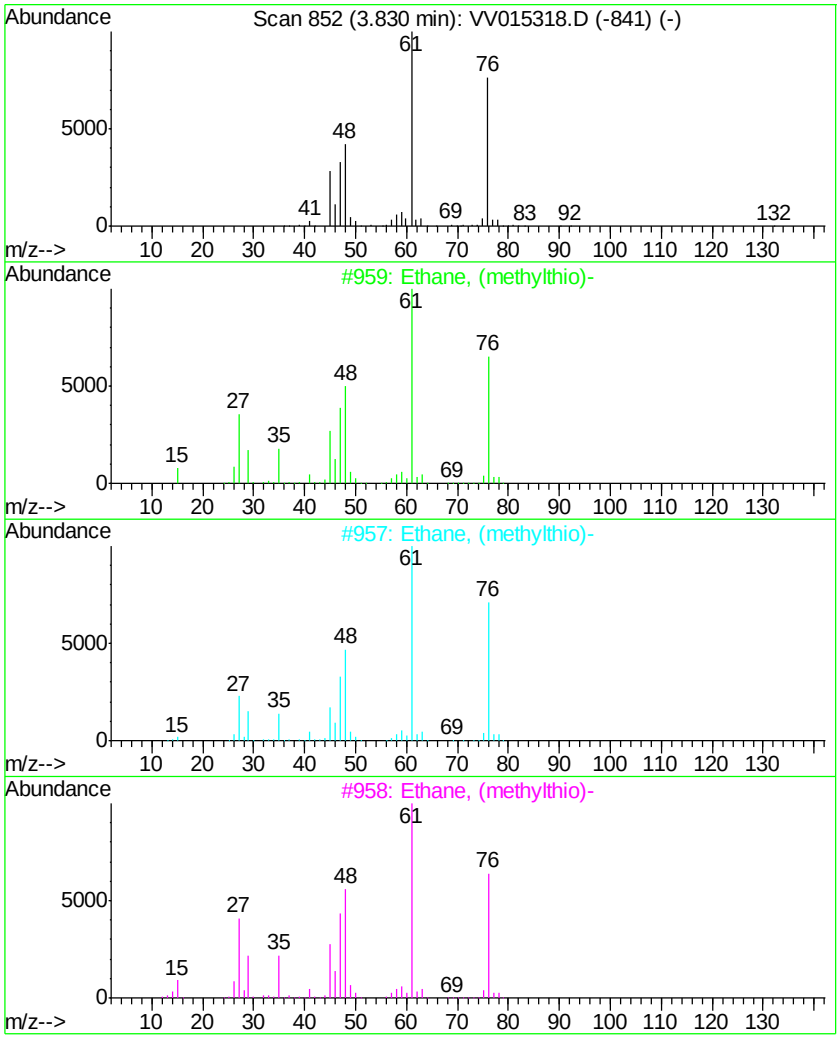
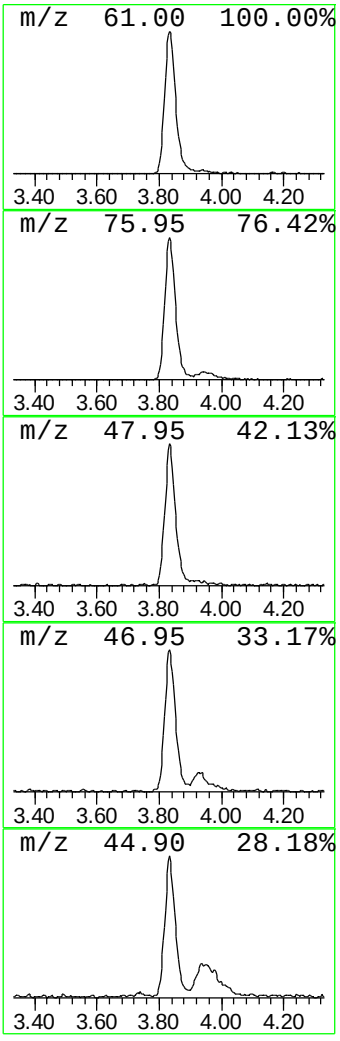
Peak Number 3 Ethane, (methylthio)- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.83	15.20 ug/L	442626	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	91
4	p-Dithiane-2,5-diol	152	C4H8O2S2	040018-26-6	59
5	Trimethylphosphine	76	C3H9P	000594-09-2	56





Library Search Compound Report

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Data File : VV015318.D
Acq On : 31 Mar 2020 17:01
Operator : SY/MD
Sample : L1976-15
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : ETTJ4

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

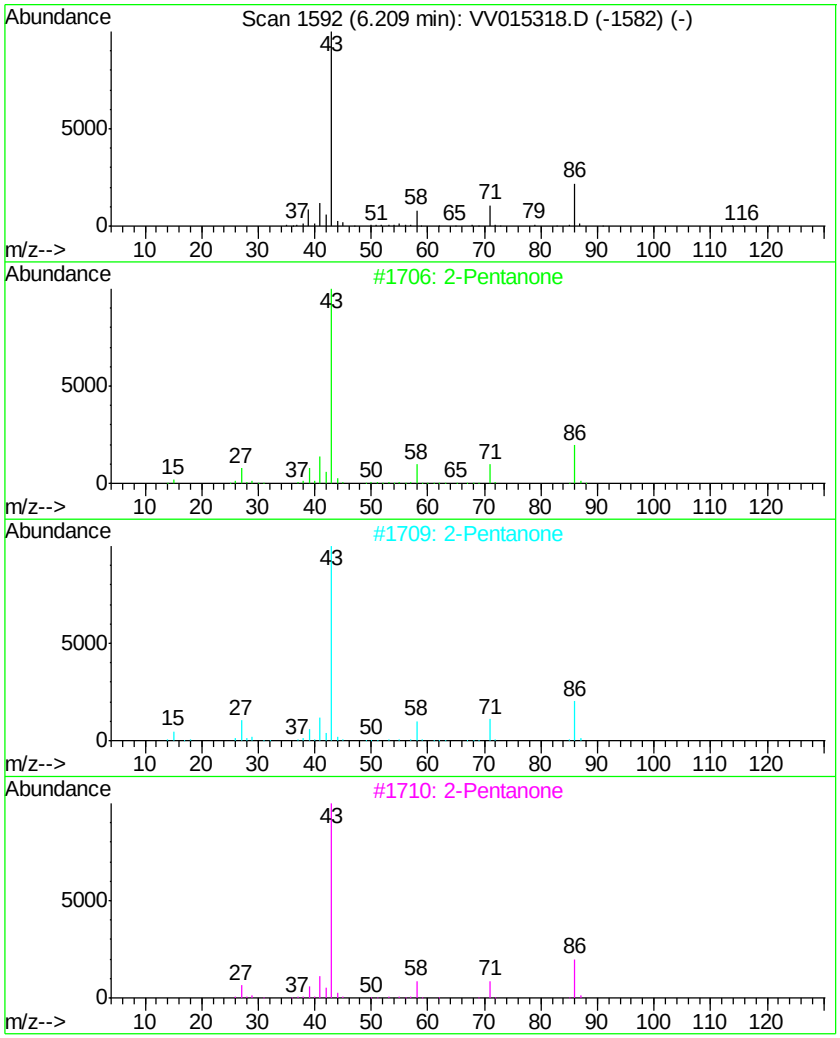
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

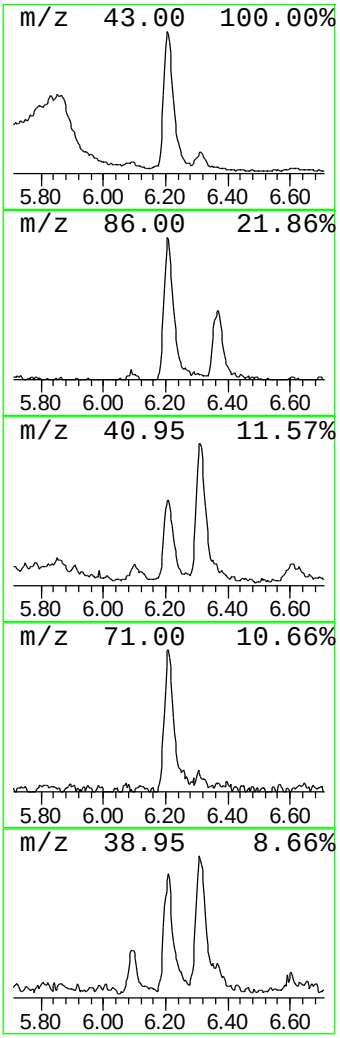
****

Peak Number 4 2-Pentanone Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.21	6.13 ug/L	178432	1,4-Difluorobenzene	5.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone	86	C5H10O	000107-87-9	83
2	2-Pentanone	86	C5H10O	000107-87-9	80
3	2-Pentanone	86	C5H10O	000107-87-9	80
4	2-Butanone, 3-methyl-	86	C5H10O	000563-80-4	59
5	2,3-Butanedione	86	C4H6O2	000431-03-8	52





Library Search Compound Report

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Data File : VV015318.D
Acq On : 31 Mar 2020 17:01
Operator : SY/MD
Sample : L1976-15
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : ETTJ4

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

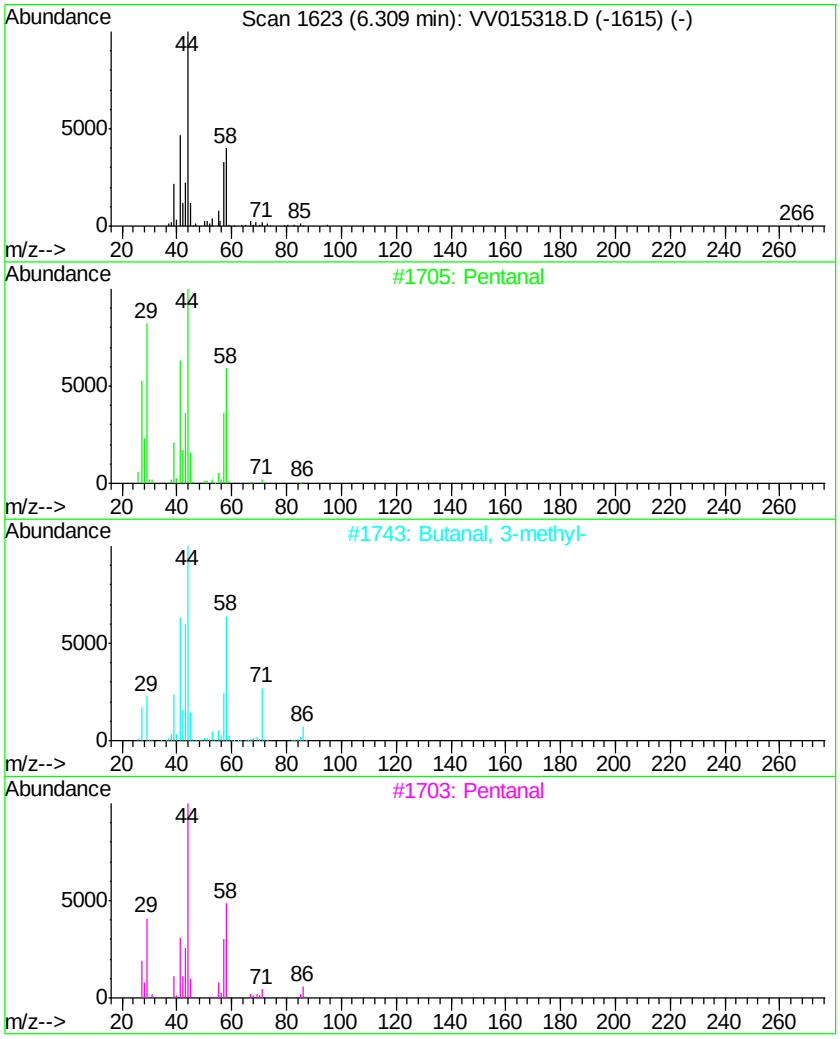
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

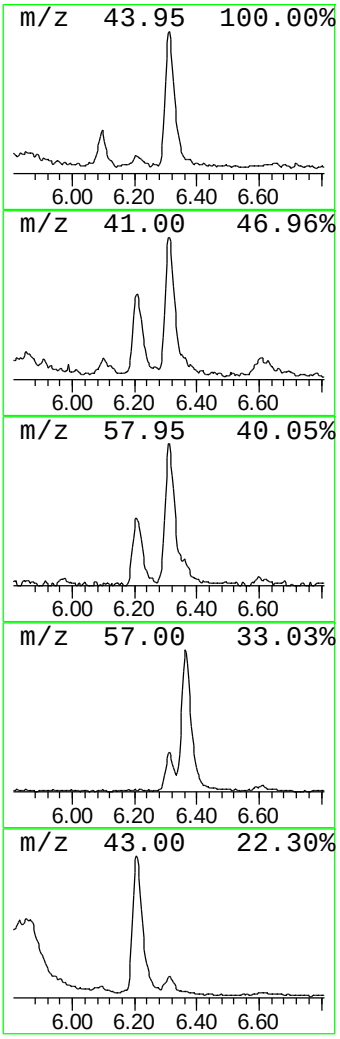
****

Peak Number 5 Pentanal Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.31	3.88 ug/L	112996	1,4-Difluorobenzene	5.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentanal	86	C5H10O	000110-62-3	78
2	Butanal, 3-methyl-	86	C5H10O	000590-86-3	74
3	Pentanal	86	C5H10O	000110-62-3	64
4	Butanal, 3-methyl-	86	C5H10O	000590-86-3	43
5	Cyclopropyl carbinol	72	C4H8O	002516-33-8	33





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV033120\
Data File : VV015318.D
Acq On : 31 Mar 2020 17:01
Operator : SY/MD
Sample : L1976-15
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : ETTJ4

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

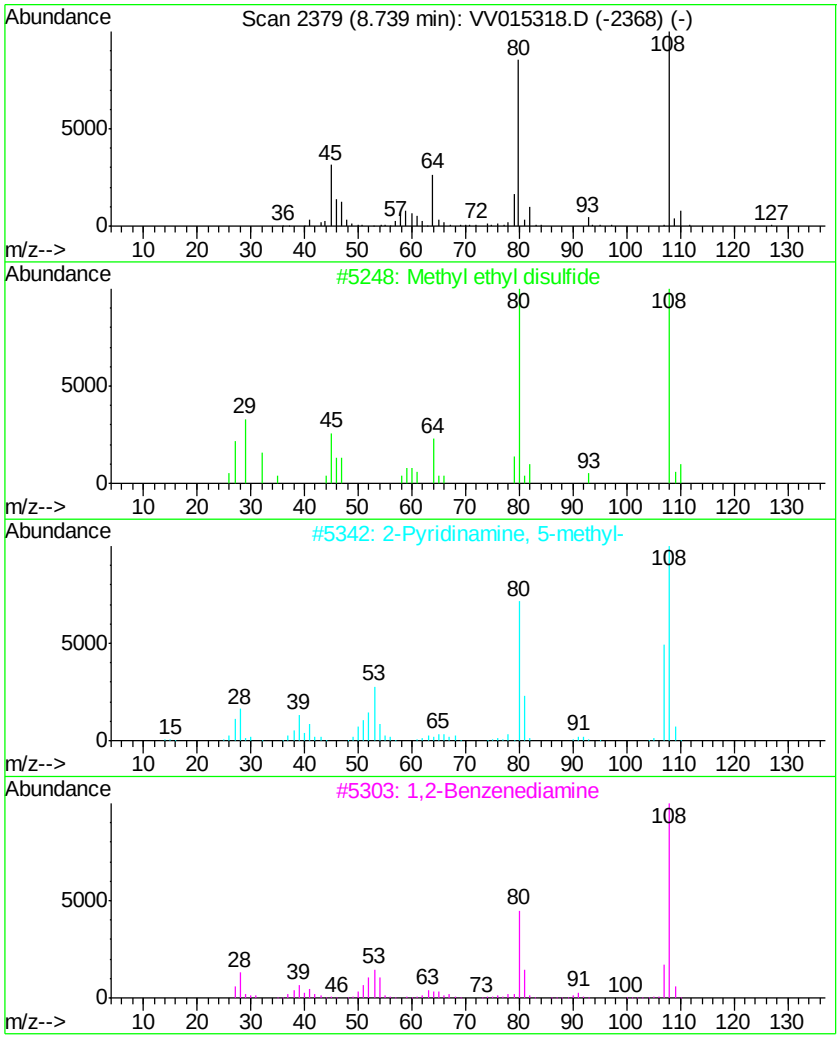
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

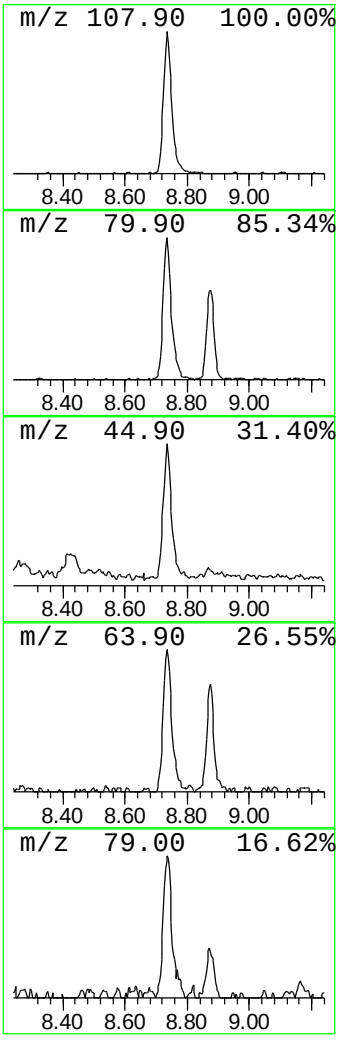
****

Peak Number 7 Methyl ethyl disulfide Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.74	4.32 ug/L	150159	Chlorobenzene-d5	8.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methyl ethyl disulfide	108	C3H8S2	020333-39-5	91
2	2-Pyridinamine, 5-methyl-	108	C6H8N2	001603-41-4	80
3	1,2-Benzenediamine	108	C6H8N2	000095-54-5	80
4	Methyl ethyl disulfide	108	C3H8S2	020333-39-5	78
5	Disulfide, methyl propyl	122	C4H10S2	002179-60-4	64





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV033120\
Data File : VV015318.D
Acq On : 31 Mar 2020 17:01
Operator : SY/MD
Sample : L1976-15
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : ETTJ4

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

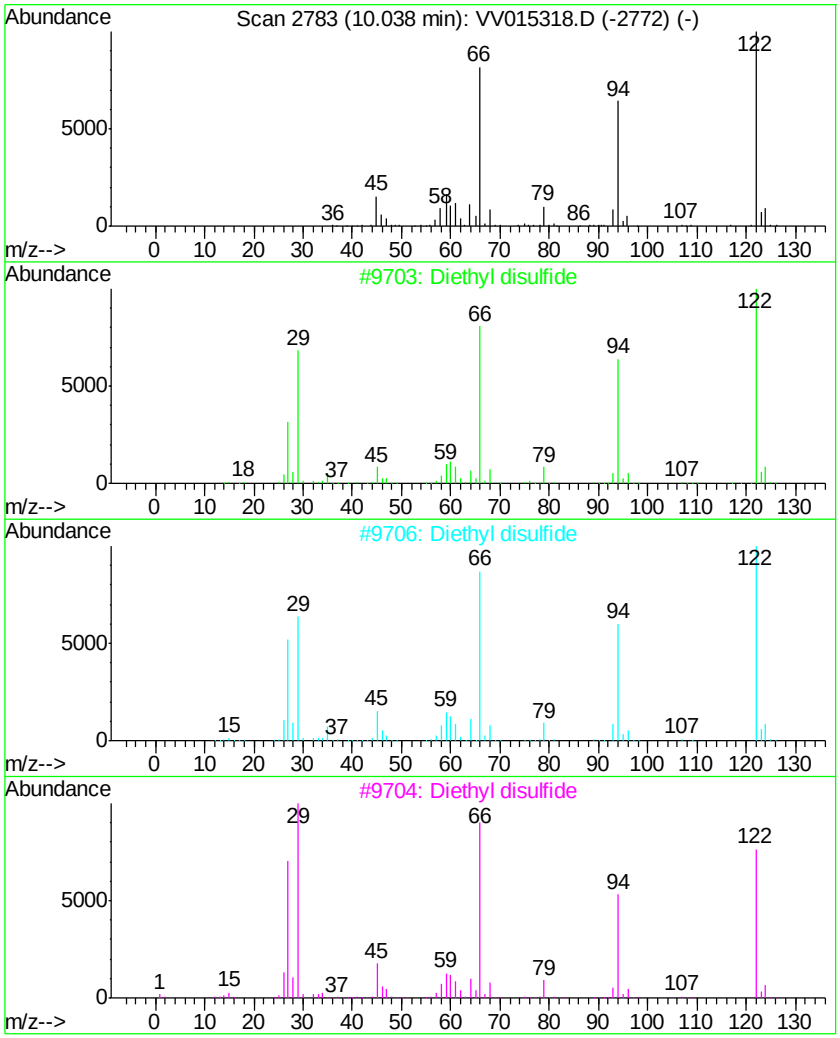
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

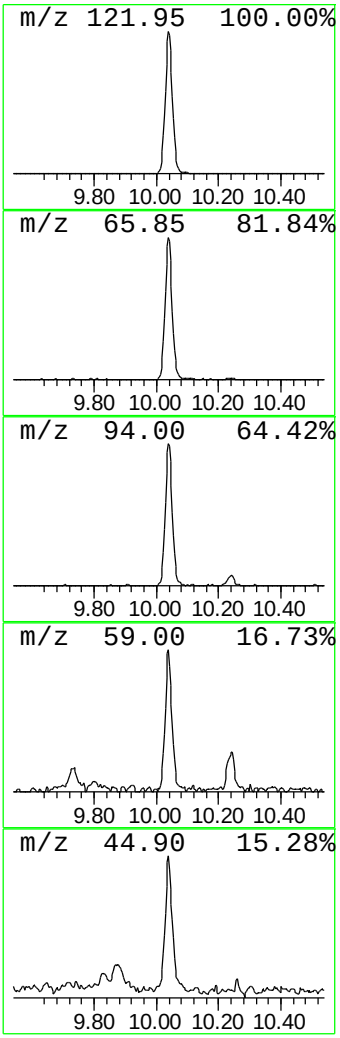
****

Peak Number 8 Diethyl disulfide Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.04	7.05 ug/L	244781	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	2-Propenal, 3-(2-furanyl)-	122	C7H6O2	000623-30-3	43
5	5-exo-Methyl-5-norbornenol	124	C8H12O	003212-13-3	40





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV033120\
Data File : VV015318.D
Acq On : 31 Mar 2020 17:01
Operator : SY/MD
Sample : L1976-15
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : ETTJ4

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
Acetaldehyde	1.40	6.6	ug/L	190979	1	5.64	1455630	50.0
Butanal	3.73	3.3	ug/L	96345	1	5.64	1455630	50.0
Ethane, (methylth...	3.83	15.2	ug/L	442626	1	5.64	1455630	50.0
2-Pentanone	6.21	6.1	ug/L	178432	1	5.64	1455630	50.0
Pentanal	6.31	3.9	ug/L	112996	1	5.64	1455630	50.0
Methyl ethyl disu...	8.74	4.3	ug/L	150159	2	8.87	1736860	50.0
Diethyl disulfide	10.04	7.0	ug/L	244781	2	8.87	1736860	50.0