LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU042420\
Data File : VU037869.D
Acq On : 24 Apr 2020 14:31
Operator : JC/MD
Sample : L2395-01
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0D86

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\SOMULM042320WMA.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	1.372	4	10	16	rBV	60080	58532	0.02%	0.013%
2	1.507	48	52	60	rVB4	9848	9971	0.00%	0.002%
3	1.613	74	85	100	rBV2	32032788	38351508	11.65%	8.269%
4	1.675	101	104	109	rVV	82913	95435	0.03%	0.021%
5	1.700	109	112	119	rVV	49033	66628	0.02%	0.014%
6	1.748	120	127	140	rVB	261550	313249	0.10%	0.068%
7	1.932	176	184	200	rVB	202275	270633	0.08%	0.058%
8	2.266	279	288	308	rVB	326011	456592	0.14%	0.098%
9	2.498	350	360	375	rBV	42066	77801	0.02%	0.017%
10	2.607	377	394	421	rBV	18773137	33968344	10.32%	7.324%
11	3.076	530	540	560	rVB2	26112	54212	0.02%	0.012%
12	3.218	574	584	603	rVB2	11802	28736	0.01%	0.006%
13	3.395	621	639	678	rBV	1548558	3969899	1.21%	0.856%
14	3.620	695	709	728	rVB2	24159	59706	0.02%	0.013%
15	3.916	777	801	832	rBV	3076753	7753154	2.36%	1.672%
16	4.134	857	869	875	rBV6	5428	12339	0.00%	0.003%
17	4.372	928	943	958	rBV4	10367	26245	0.01%	0.006%
18	4.613	1001	1018	1026	rBV3	21921	57222	0.02%	0.012%
19	4.723	1027	1052	1115	rBV6	102856626	329146444	100.00%	70.966%
20	5.105	1158	1171	1191	rVB	313784	688217	0.21%	0.148%
21	5.356	1230	1249	1280	rVB	6636879	14796255	4.50%	3.190%
22	5.761	1353	1375	1386	rBV2	710822	1870955	0.57%	0.403%
23	5.829	1386	1396	1416	rVV3	264900	581523	0.18%	0.125%
24	5.932	1420	1428	1443	rVB	26224	53422	0.02%	0.012%
25	6.189	1500	1508	1519	rVB2	7543	14746	0.00%	0.003%
26	6.279	1522	1536	1556	rVB	490539	916189	0.28%	0.198%
27	6.575	1600	1628	1650	rBV3	1692410	4062613	1.23%	0.876%
28	6.723	1660	1674	1688	rVB	442278	836650	0.25%	0.180%
29	7.198	1810	1822	1832	rBV9	4620	10001	0.00%	0.002%
30	7.279	1835	1847	1857	rVB6	6660	12330	0.00%	0.003%
31	7.591	1930	1944	1962	rBV	280083	491193	0.15%	0.106%
32	7.703	1966	1979	1994	rBV2	23871	49897	0.02%	0.011%
33	7.816	2003	2014	2026	rBV2	36070	64396	0.02%	0.014%
34	7.922	2026	2047	2058	rVV	913085	1559446	0.47%	0.336%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU042420\
Data File : VU037869.D
Acq On : 24 Apr 2020 14:31
Operator : JC/MD
Sample : L2395-01
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0D86

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\SOMULM042320WMA.M
Title : VOC Analysis

35	7.993	2058	2069	2081	rVV	508756	856678	0.26%	0.185%
36	8.057	2081	2089	2100	rVB5	26084	46420	0.01%	0.010%
37	8.124	2100	2110	2118	rVB3	9235	14588	0.00%	0.003%
38	8.202	2118	2134	2146	rBV	207206	342127	0.10%	0.074%
39	8.263	2147	2153	2171	rVB7	8355	16354	0.00%	0.004%
40	8.423	2182	2203	2216	rBV	692728	1186823	0.36%	0.256%
41	8.510	2217	2230	2243	rVB2	77895	153076	0.05%	0.033%
42	8.655	2259	2275	2301	rBV	689713	1197245	0.36%	0.258%
43	8.793	2310	2318	2326	rBV5	9307	15149	0.00%	0.003%
44	8.886	2336	2347	2355	rVB4	14695	25002	0.01%	0.005%
45	9.128	2412	2422	2432	rVB9	6179	11566	0.00%	0.002%
46	9.298	2459	2475	2484	rBV	149621	315889	0.10%	0.068%
47	9.436	2505	2518	2540	rVB	711141	1169326	0.36%	0.252%
48	9.587	2552	2565	2580	rBV	924078	1466432	0.45%	0.316%
49	9.710	2588	2603	2616	rBV	3944671	6429375	1.95%	1.386%
50	9.777	2616	2624	2647	rVB	243074	443123	0.13%	0.096%
51	10.118	2716	2730	2745	rBV	2330229	3691598	1.12%	0.796%
52	10.189	2745	2752	2765	rVV3	24129	44696	0.01%	0.010%
53	10.253	2765	2772	2783	rVV7	6591	11262	0.00%	0.002%
54	10.497	2828	2848	2859	rBV3	33989	61719	0.02%	0.013%
55	10.591	2859	2877	2908	rBV	630494	1266368	0.38%	0.273%
56	10.771	2921	2933	2947	rBV	447181	721870	0.22%	0.156%
57	10.835	2947	2953	2963	rVB3	16651	25152	0.01%	0.005%
58	10.906	2963	2975	2986	rBV5	27811	50720	0.02%	0.011%
59	10.970	2986	2995	3003	rBV2	37826	61732	0.02%	0.013%
60	11.099	3024	3035	3046	rBV2	11799	18101	0.01%	0.004%
61	11.481	3145	3154	3163	rVB2	16239	24309	0.01%	0.005%
62	11.584	3177	3186	3195	rBV5	21051	32639	0.01%	0.007%
63	11.655	3199	3208	3217	rVB6	6734	9996	0.00%	0.002%
64	11.825	3247	3261	3279	rVB	612429	1009325	0.31%	0.218%
65	12.079	3328	3340	3345	rBV2	21190	36100	0.01%	0.008%
66	12.205	3365	3379	3398	rBV	679686	1090031	0.33%	0.235%
67	12.462	3451	3459	3469	rVB5	13092	21438	0.01%	0.005%
68	12.545	3475	3485	3505	rBV	125064	210023	0.06%	0.045%
69	12.697	3524	3532	3535	rBV3	9502	12993	0.00%	0.003%
70	12.732	3535	3543	3554	rVB2	26038	43629	0.01%	0.009%
71	12.799	3554	3564	3569	rBV	7691	12159	0.00%	0.003%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU042420\
Data File : VU037869.D
Acq On : 24 Apr 2020 14:31
Operator : JC/MD
Sample : L2395-01
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0D86

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\SOMULM042320WMA.M
Title : VOC Analysis

72	12.970	3607	3617	3618	rBV6	9220	11423	0.00%	0.002%
73	13.057	3639	3644	3654	rVB9	7249	10865	0.00%	0.002%
74	13.137	3657	3669	3677	rBV7	6526	11522	0.00%	0.002%
75	13.237	3690	3700	3707	rVV7	12418	22413	0.01%	0.005%
76	13.275	3708	3712	3720	rVV6	7571	10661	0.00%	0.002%
77	13.426	3749	3759	3768	rBV2	59727	96797	0.03%	0.021%
78	13.475	3768	3774	3790	rVB5	13073	23021	0.01%	0.005%
79	13.729	3841	3853	3859	rBV9	10952	16634	0.01%	0.004%
80	13.812	3871	3879	3887	rVB5	10140	16525	0.01%	0.004%
81	13.864	3887	3895	3904	rBV5	18057	26684	0.01%	0.006%
82	14.115	3961	3973	3982	rBV	50972	85517	0.03%	0.018%
83	14.217	3998	4005	4018	rVB3	25010	42095	0.01%	0.009%
84	14.317	4018	4036	4043	rBV3	30005	54115	0.02%	0.012%
85	14.359	4043	4049	4065	rVB8	12344	27866	0.01%	0.006%
86	14.510	4080	4096	4106	rBV6	14247	33754	0.01%	0.007%
87	14.703	4145	4156	4170	rBV6	22912	54729	0.02%	0.012%
88	14.844	4192	4200	4210	rVB5	12135	19184	0.01%	0.004%
89	14.915	4212	4222	4234	rVB3	21068	35545	0.01%	0.008%
90	14.979	4234	4242	4254	rVB3	26895	43776	0.01%	0.009%
91	15.057	4254	4266	4277	rBV6	17667	37985	0.01%	0.008%
92	15.237	4314	4322	4327	rBV7	17688	28997	0.01%	0.006%
93	15.314	4340	4346	4356	rVB4	16754	26349	0.01%	0.006%
94	15.452	4378	4389	4399	rBV3	18915	36348	0.01%	0.008%
95	15.507	4400	4406	4413	rBV9	6526	9950	0.00%	0.002%
96	15.809	4495	4500	4509	rVB9	6319	10066	0.00%	0.002%
97	15.976	4539	4552	4566	rBV5	17156	41047	0.01%	0.009%
98	16.204	4613	4623	4628	rBV5	6972	12944	0.00%	0.003%
99	16.320	4651	4659	4669	rVV5	10361	19501	0.01%	0.004%
100	16.462	4697	4703	4710	rBV3	11701	15115	0.00%	0.003%

Sum of corrected areas: 463810944

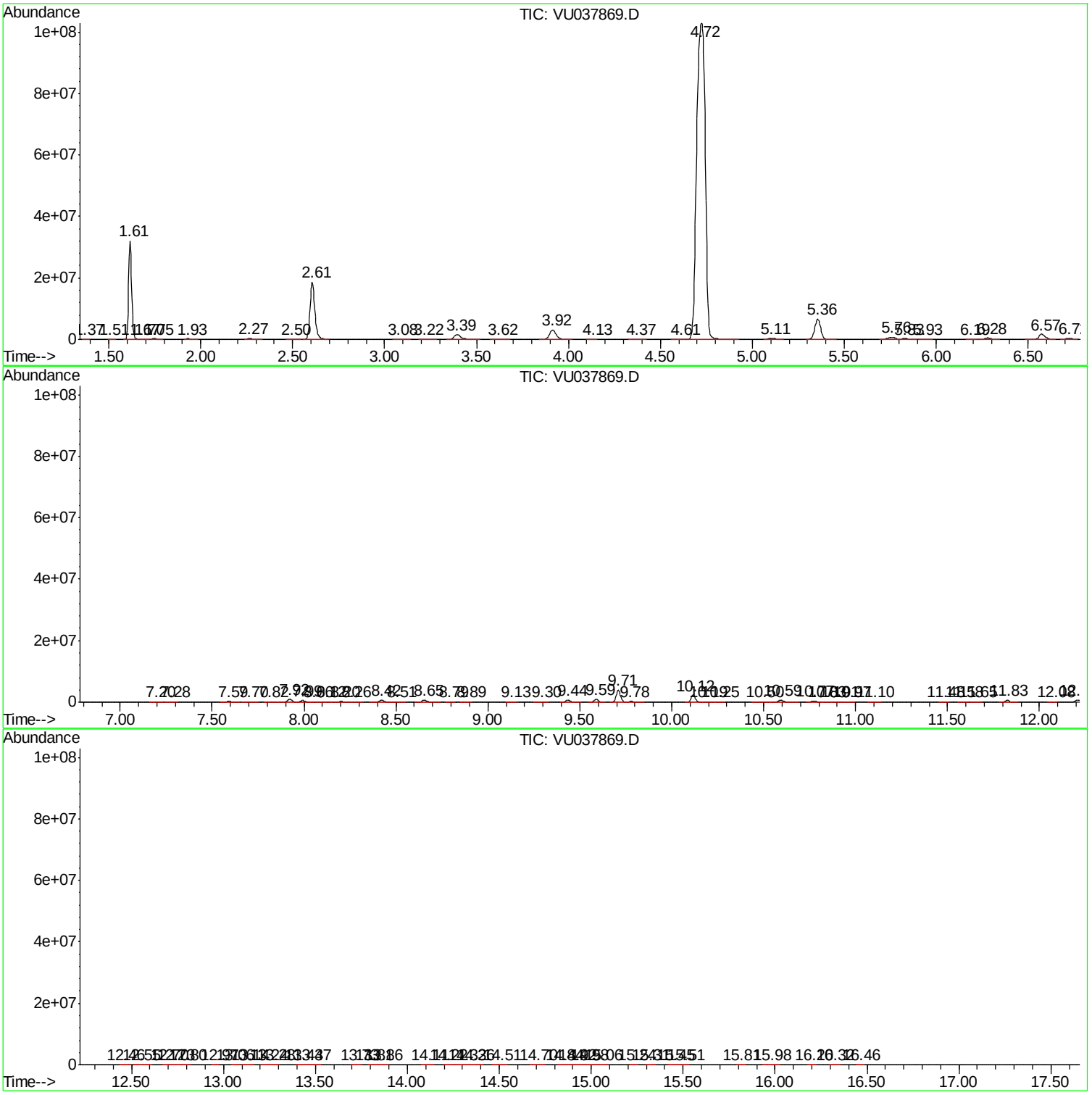
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU042420\
Data File : VU037869.D
Acq On : 24 Apr 2020 14:31
Operator : JC/MD
Sample : L2395-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0D86

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042320WMA.M
Quant Title : VOC Analysis

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU042420\
Data File : VU037869.D
Acq On : 24 Apr 2020 14:31
Operator : JC/MD
Sample : L2395-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0D86

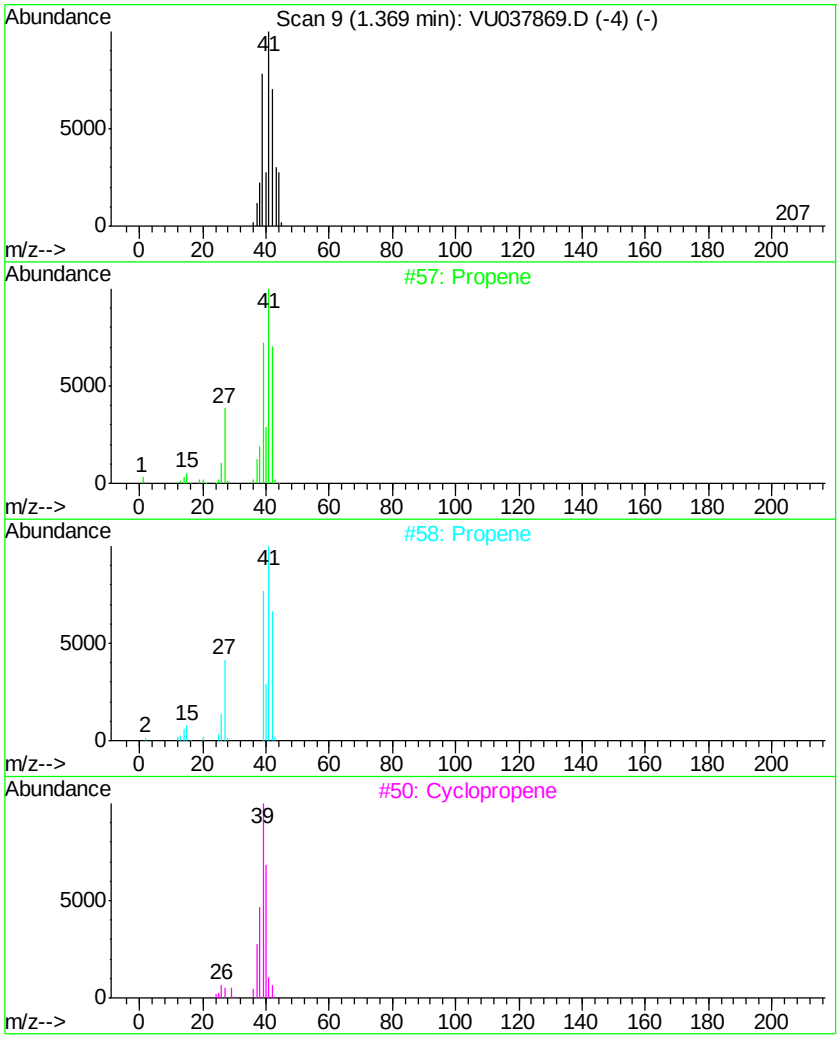
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042320WMA.M
Quant Title : VOC Analysis

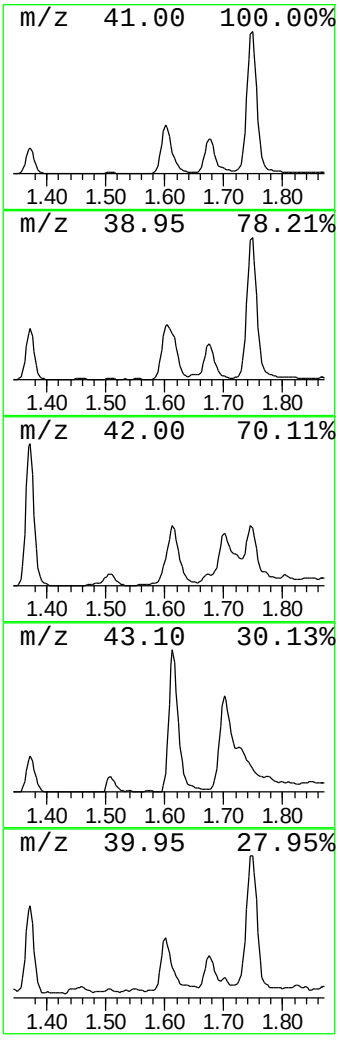
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.37	3.19 ug/L	58532	1,4-Difluorobenzene	6.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propene	42	C3H6	000115-07-1	90
2	Propene	42	C3H6	000115-07-1	42
3	Cyclopropene	40	C3H4	002781-85-3	10
4	Cyclopropane	42	C3H6	000075-19-4	9
5	Cyclopropane	42	C3H6	000075-19-4	9





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU042420\
Data File : VU037869.D
Acq On : 24 Apr 2020 14:31
Operator : JC/MD
Sample : L2395-01
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0D86

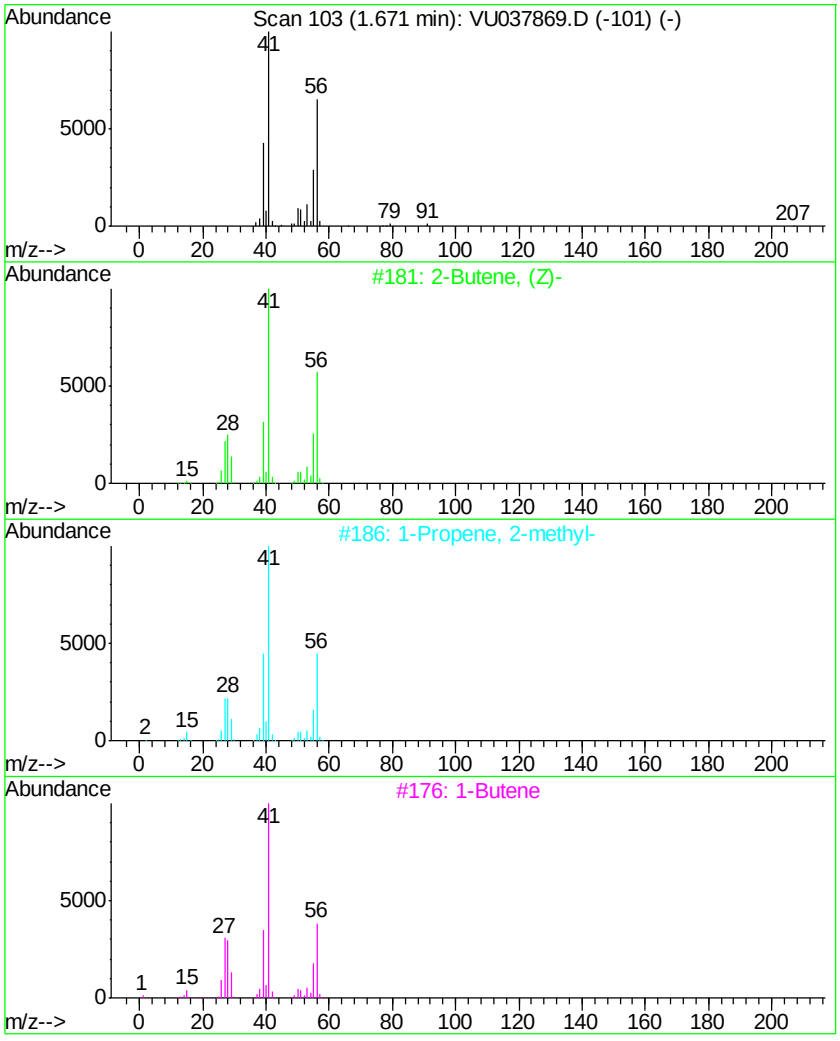
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042320WMA.M
Quant Title : VOC Analysis

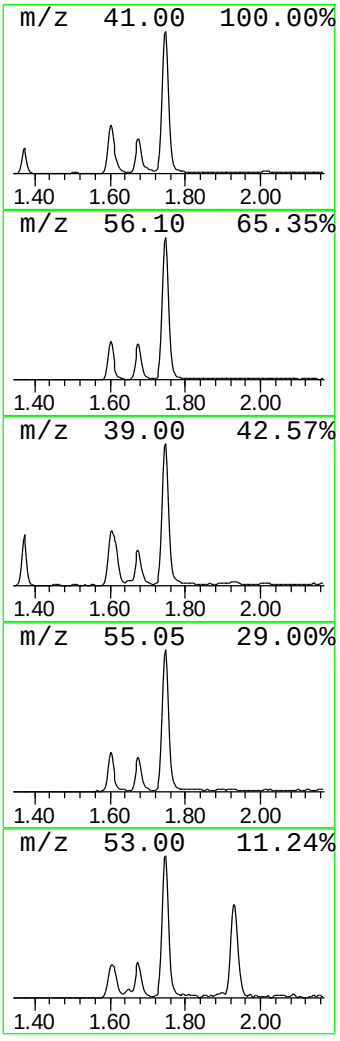
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.67	5.21 ug/L	95435	1,4-Difluorobenzene	6.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Butene, (Z)-	56	C4H8	000590-18-1	86
2	1-Propene, 2-methyl-	56	C4H8	000115-11-7	80
3	1-Butene	56	C4H8	000106-98-9	78
4	2-Butene, (E)-	56	C4H8	000624-64-6	72
5	2-Butene, (E)-	56	C4H8	000624-64-6	64





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU042420\
Data File : VU037869.D
Acq On : 24 Apr 2020 14:31
Operator : JC/MD
Sample : L2395-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0D86

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042320WMA.M
Quant Title : VOC Analysis

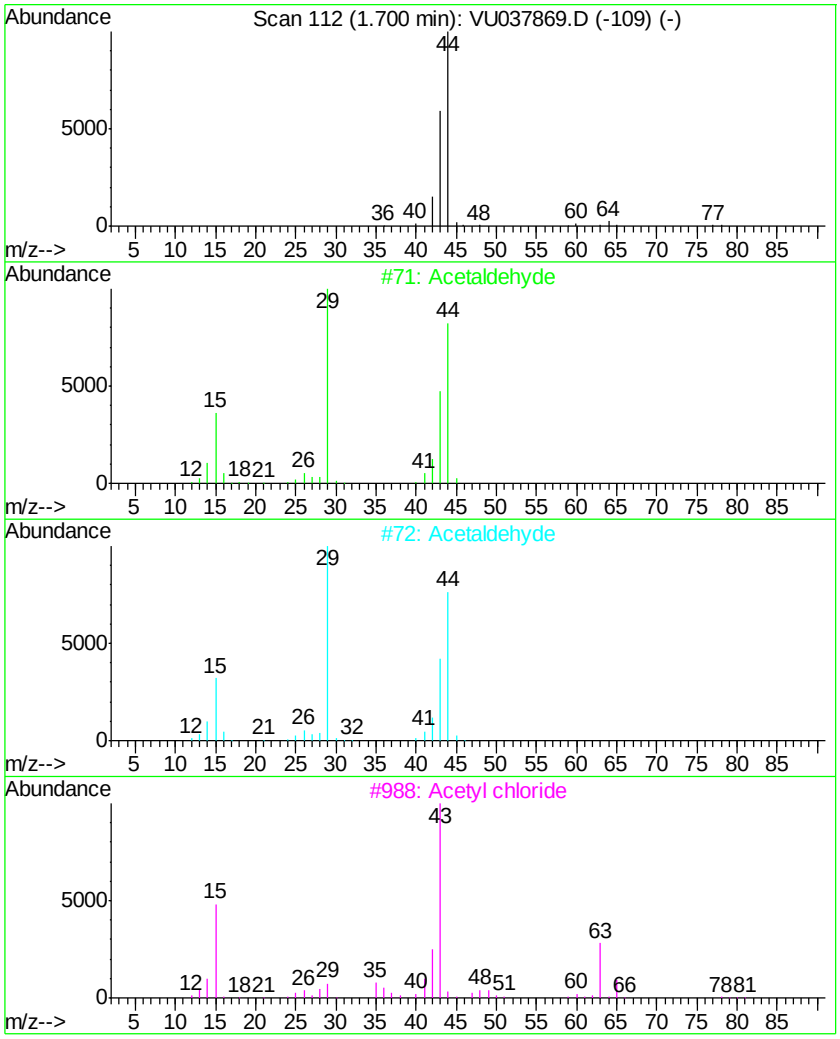
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

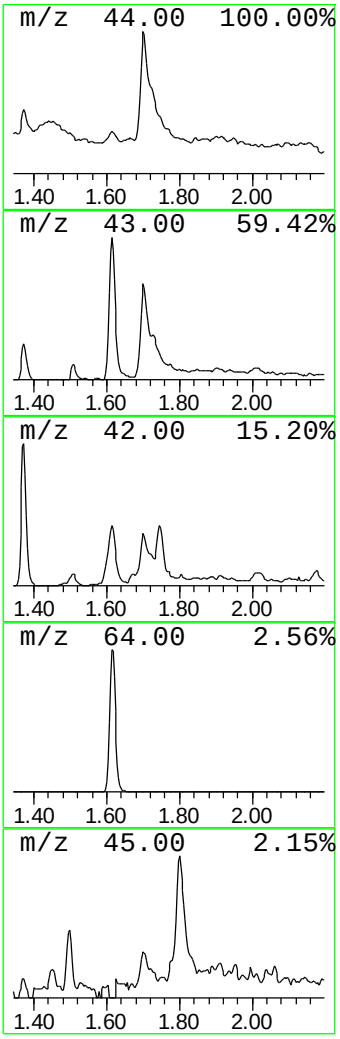
****

Peak Number 3 unknown-01 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.70	3.64 ug/L	66628	1,4-Difluorobenzene	6.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetaldehyde	44	C2H4O	000075-07-0	9
2	Acetaldehyde	44	C2H4O	000075-07-0	7
3	Acetyl chloride	78	C2H3ClO	000075-36-5	7
4	Ethylene oxide	44	C2H4O	000075-21-8	7
5	Ethylene oxide	44	C2H4O	000075-21-8	5





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU042420\
Data File : VU037869.D
Acq On : 24 Apr 2020 14:31
Operator : JC/MD
Sample : L2395-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0D86

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042320WMA.M
Quant Title : VOC Analysis

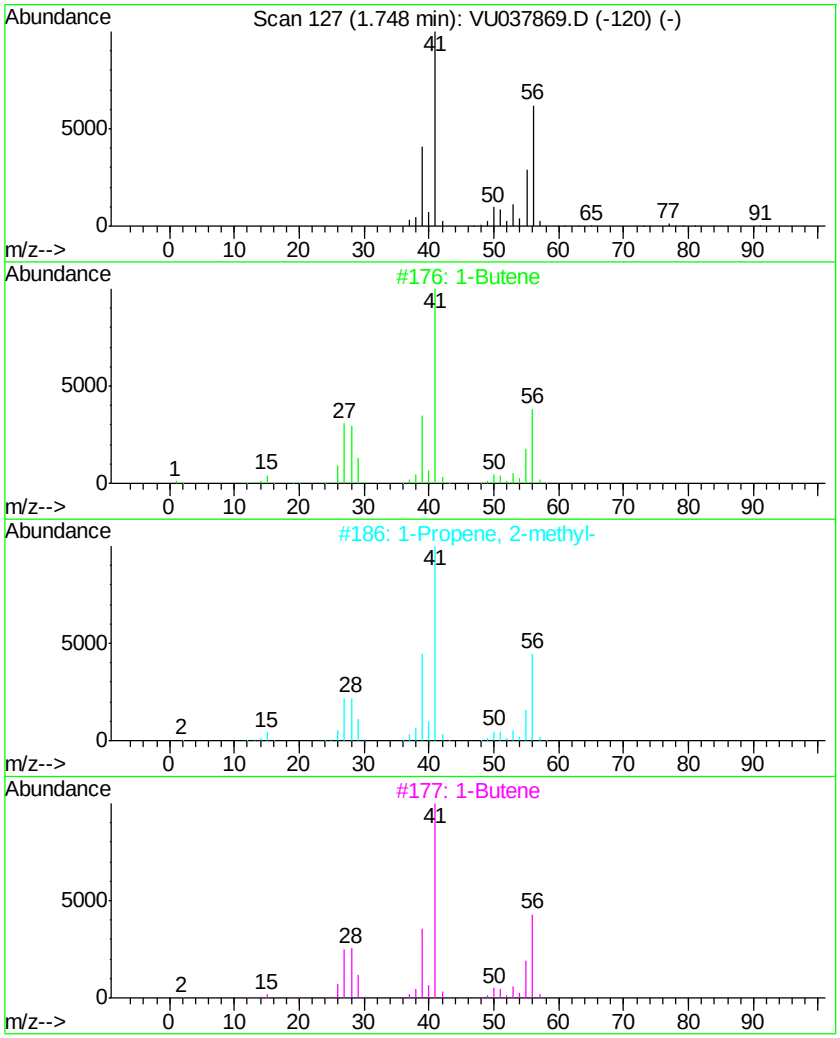
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

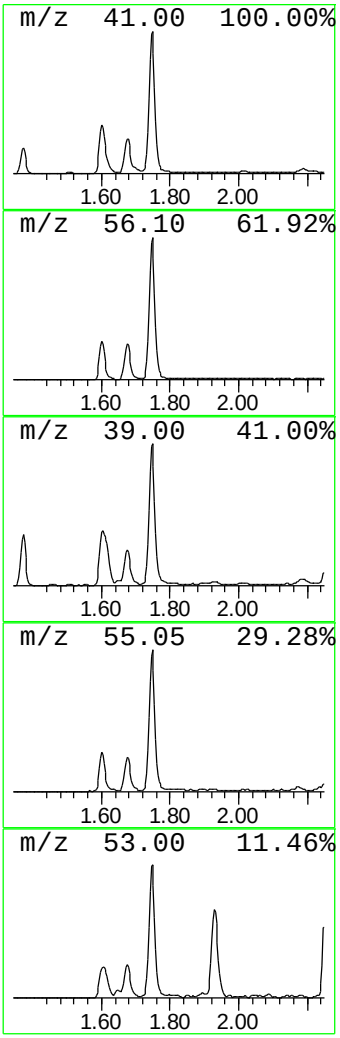
****

Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.75	17.10 ug/L	313249	1,4-Difluorobenzene	6.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Butene	56	C4H8	000106-98-9	83
2	1-Propene, 2-methyl-	56	C4H8	000115-11-7	83
3	1-Butene	56	C4H8	000106-98-9	83
4	2-Butene, (Z)-	56	C4H8	000590-18-1	80
5	2-Butene, (Z)-	56	C4H8	000590-18-1	74





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU042420\
Data File : VU037869.D
Acq On : 24 Apr 2020 14:31
Operator : JC/MD
Sample : L2395-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0D86

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042320WMA.M
Quant Title : VOC Analysis

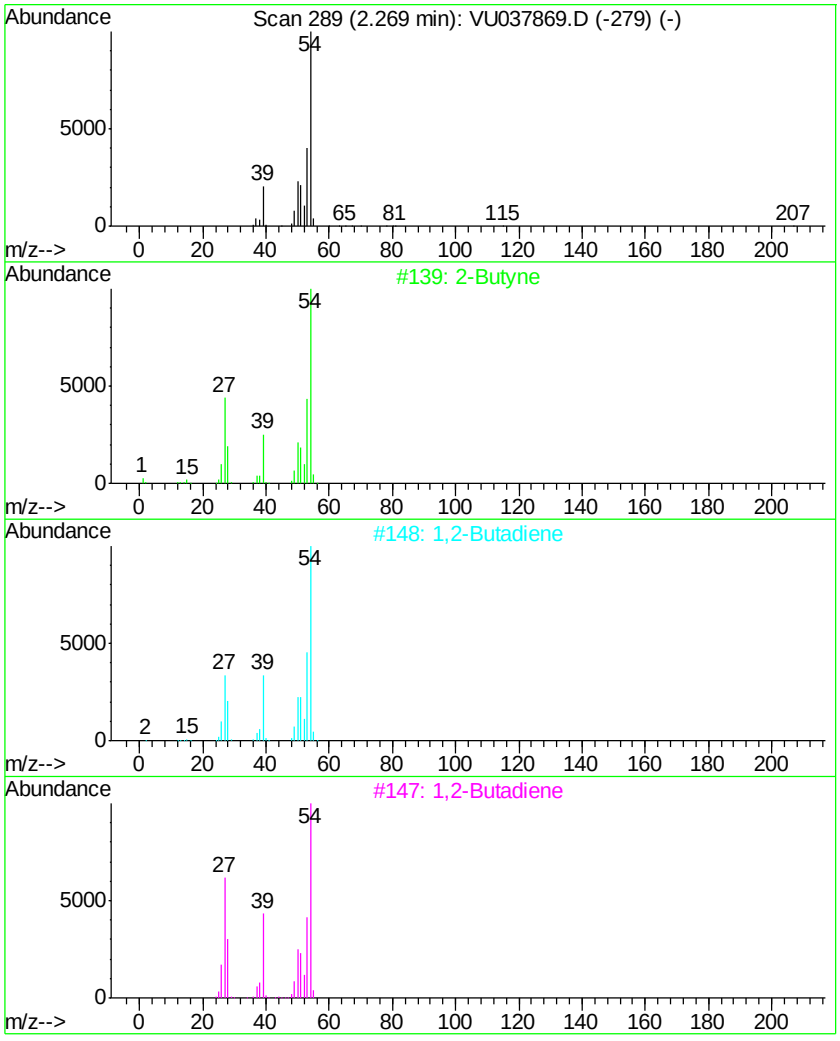
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

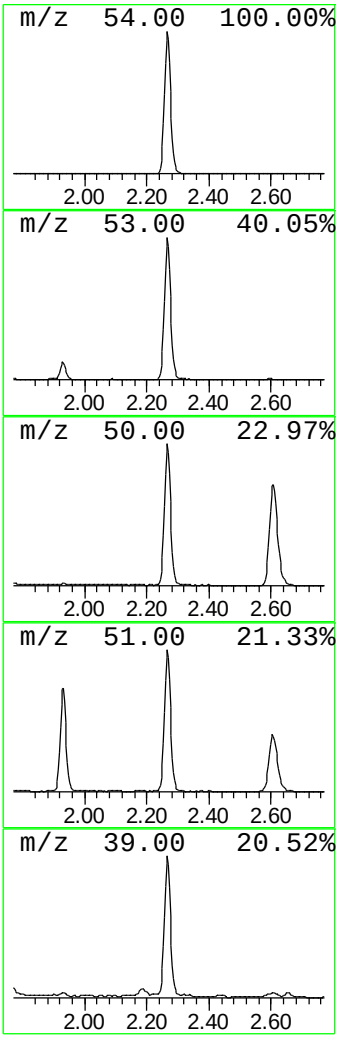
****

Peak Number 5 2-Butyne Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.27	24.92 ug/L	456592	1,4-Difluorobenzene	6.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Butyne	54	C4H6	000503-17-3	87
2	1,2-Butadiene	54	C4H6	000590-19-2	86
3	1,2-Butadiene	54	C4H6	000590-19-2	86
4	2-Butyne	54	C4H6	000503-17-3	86
5	2-Butyne	54	C4H6	000503-17-3	86





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU042420\
Data File : VU037869.D
Acq On : 24 Apr 2020 14:31
Operator : JC/MD
Sample : L2395-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0D86

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042320WMA.M
Quant Title : VOC Analysis

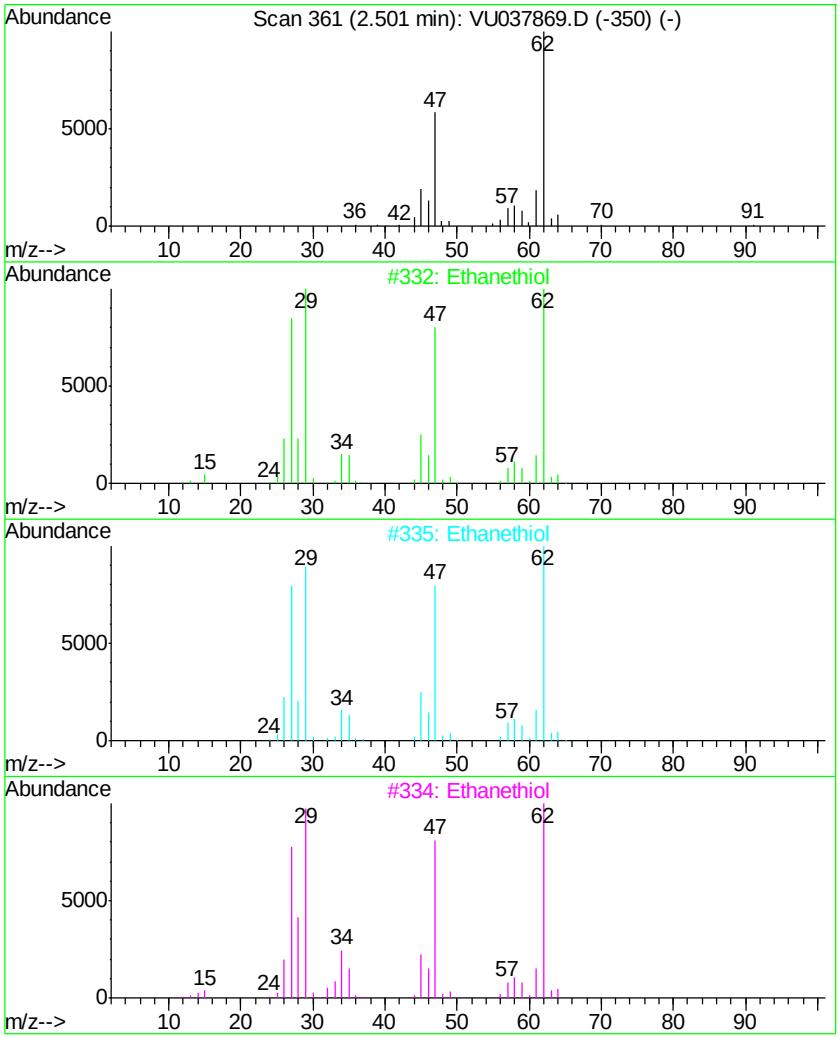
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

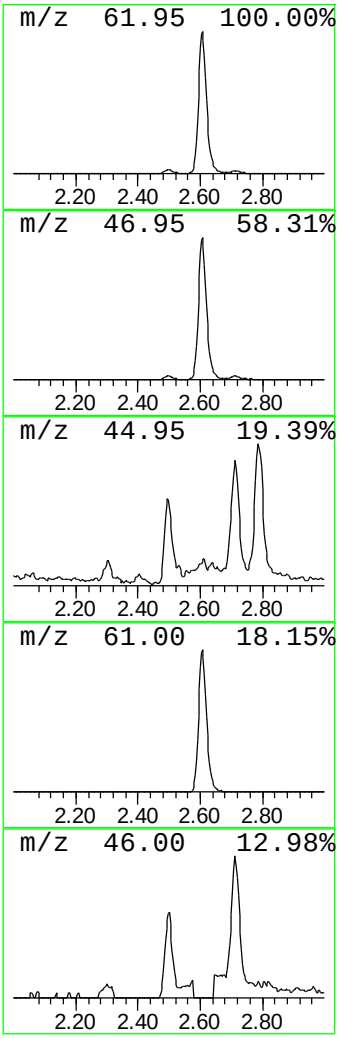
****

Peak Number 6 Ethanethiol Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.50	4.25 ug/L	77801	1,4-Difluorobenzene	6.28

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	91





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU042420\
Data File : VU037869.D
Acq On : 24 Apr 2020 14:31
Operator : JC/MD
Sample : L2395-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0D86

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042320WMA.M
Quant Title : VOC Analysis

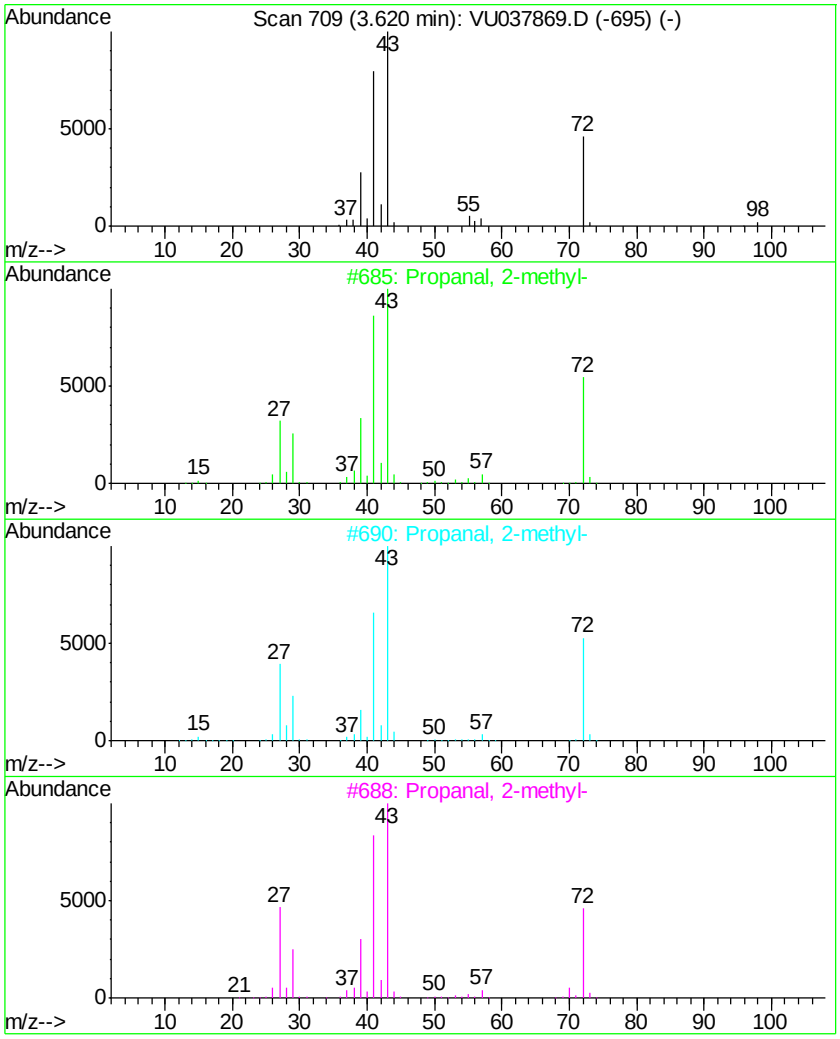
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

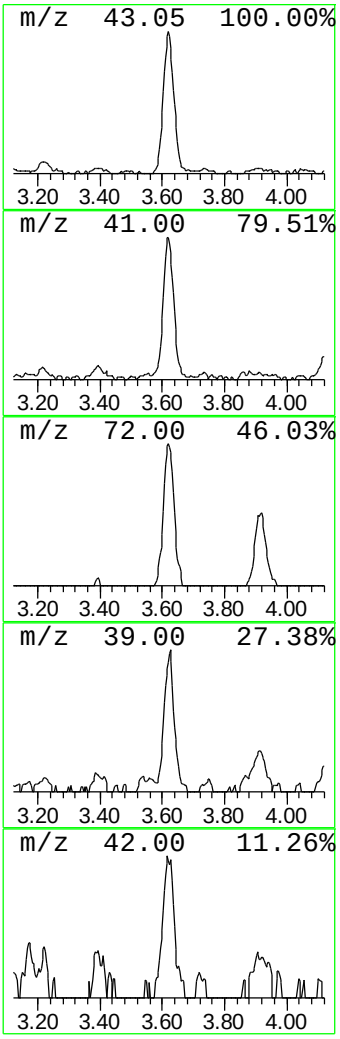
****

Peak Number 7 Propanal, 2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.62	3.26 ug/L	59706	1,4-Difluorobenzene	6.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propanal, 2-methyl-	72	C4H8O	000078-84-2	86
2	Propanal, 2-methyl-	72	C4H8O	000078-84-2	78
3	Propanal, 2-methyl-	72	C4H8O	000078-84-2	72
4	Isobutylene epoxide	72	C4H8O	000558-30-5	50
5	Propanal, 2-methyl-	72	C4H8O	000078-84-2	43





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU042420\
Data File : VU037869.D
Acq On : 24 Apr 2020 14:31
Operator : JC/MD
Sample : L2395-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0D86

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042320WMA.M
Quant Title : VOC Analysis

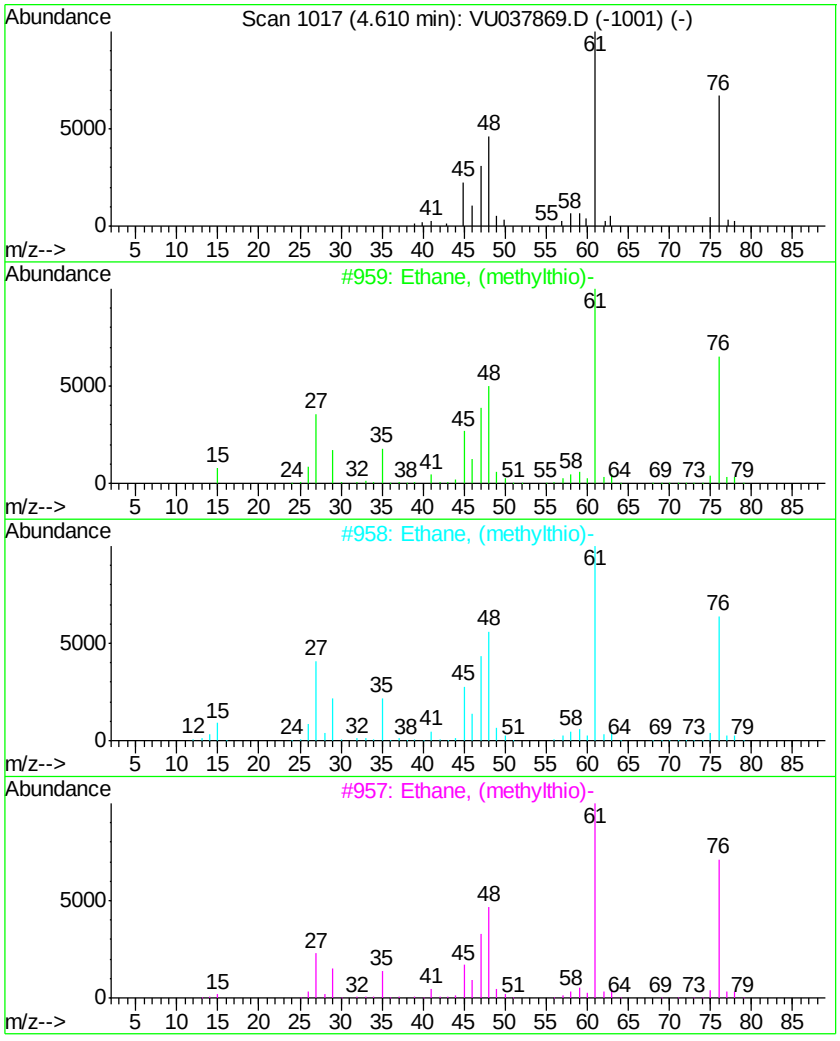
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

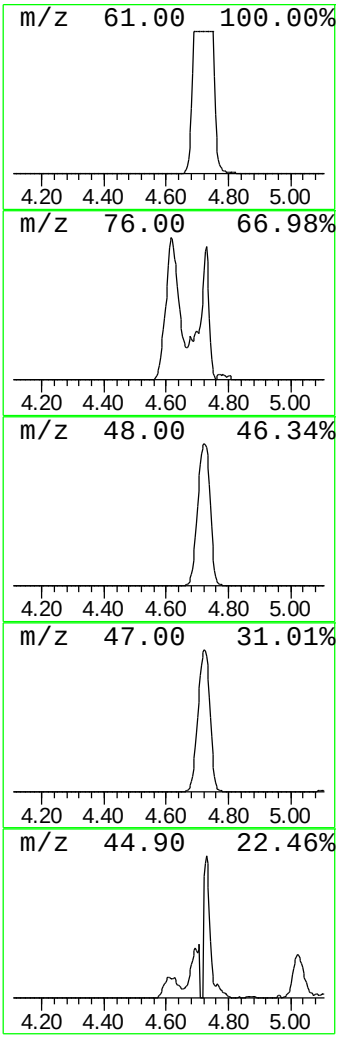
****

Peak Number 8 Ethane, (methylthio)- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.61	3.12 ug/L	57222	1,4-Difluorobenzene	6.28

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	53
5	Trimethylphosphine	76	C3H9P	000594-09-2	38





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU042420\
Data File : VU037869.D
Acq On : 24 Apr 2020 14:31
Operator : JC/MD
Sample : L2395-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0D86

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042320WMA.M
Quant Title : VOC Analysis

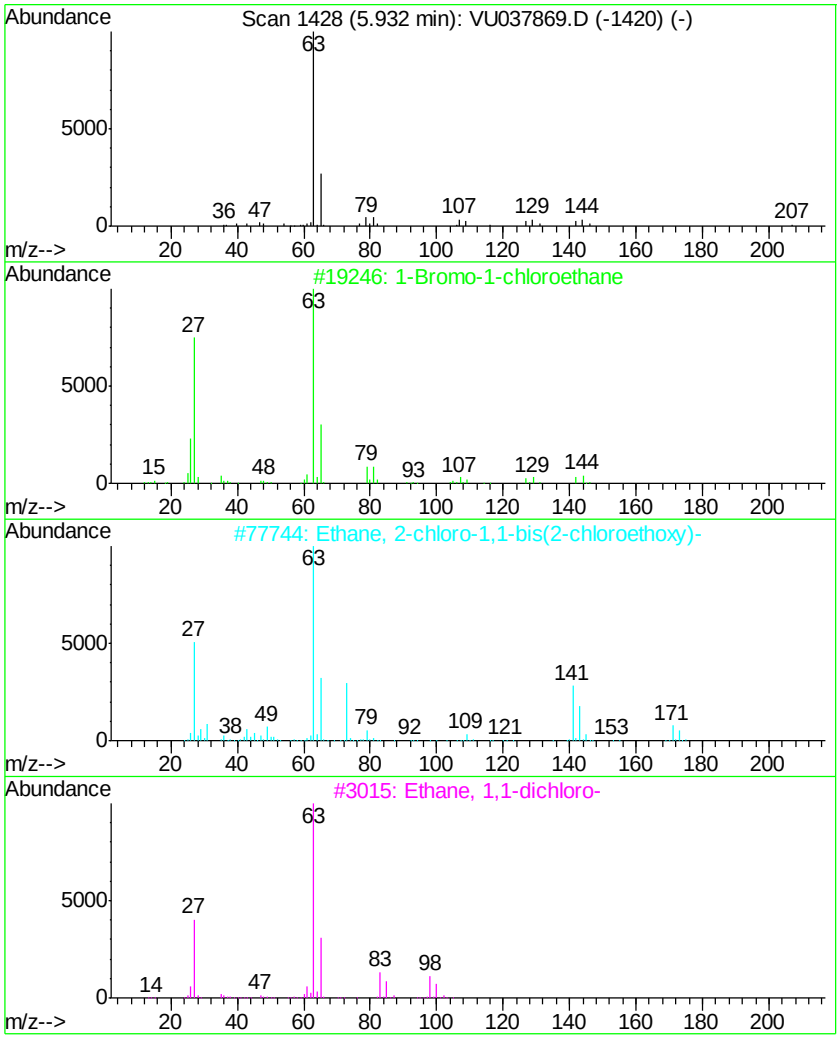
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

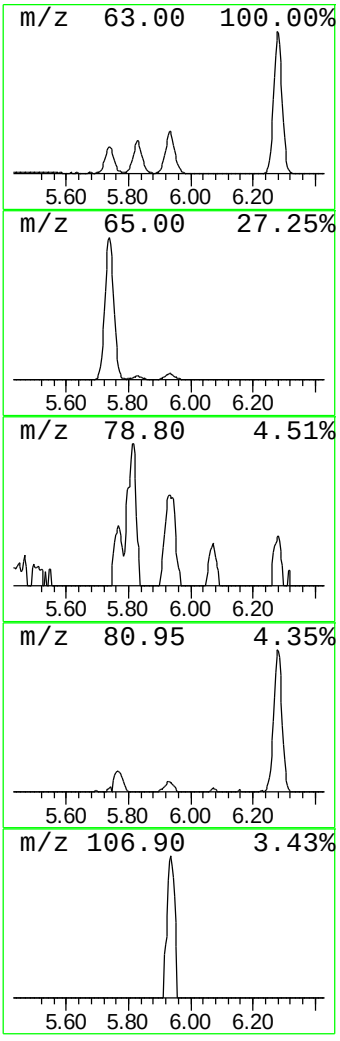
****

Peak Number 9 1-Bromo-1-chloroethane Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.93	2.92 ug/L	53422	1,4-Difluorobenzene	6.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Bromo-1-chloroethane	142	C2H4BrCl	000593-96-4	91
2	Ethane, 2-chloro-1,1-bis(2-chlor...	220	C6H11Cl3O2	005409-75-6	74
3	Ethane, 1,1-dichloro-	98	C2H4Cl2	000075-34-3	64
4	Carbonochloridic acid, 1-methyle...	122	C4H7ClO2	000108-23-6	43
5	2-Chloroethyl ethyl carbonate	152	C5H9ClO3	1000373-77-4	43





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU042420\
Data File : VU037869.D
Acq On : 24 Apr 2020 14:31
Operator : JC/MD
Sample : L2395-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0D86

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042320WMA.M
Quant Title : VOC Analysis

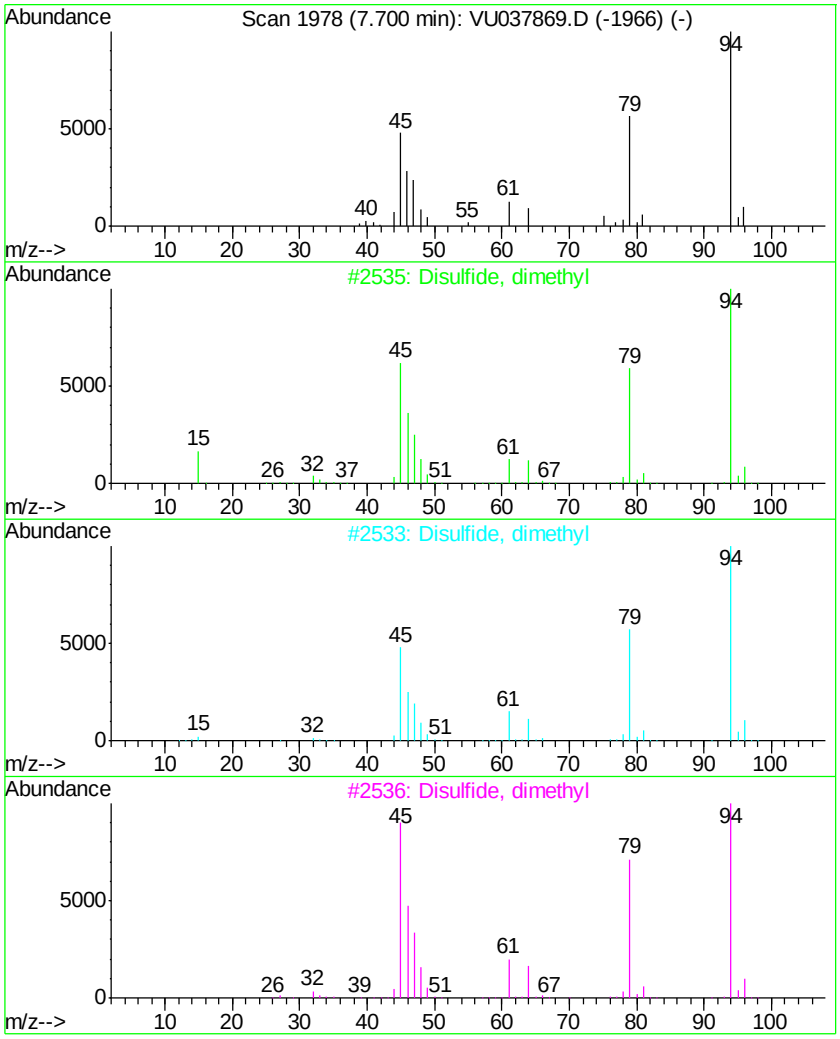
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

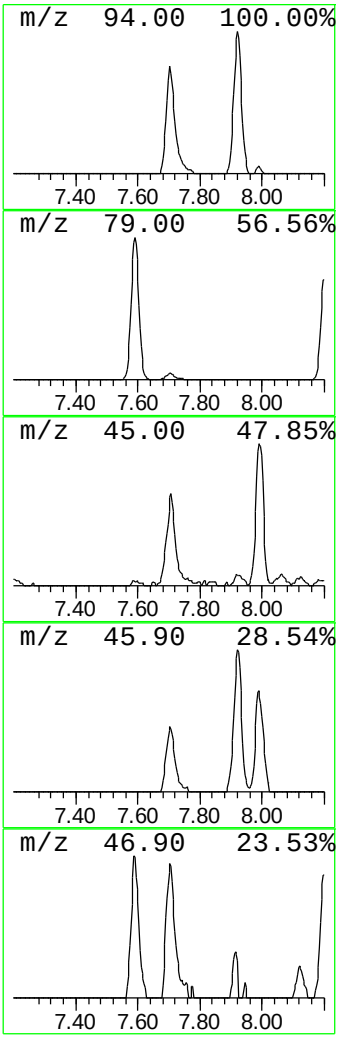
****

Peak Number 11 Disulfide, dimethyl Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.70	2.72 ug/L	49897	1,4-Difluorobenzene	6.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Disulfide, dimethyl	94	C2H6S2	000624-92-0	97
2	Disulfide, dimethyl	94	C2H6S2	000624-92-0	96
3	Disulfide, dimethyl	94	C2H6S2	000624-92-0	96
4	Disulfide, dimethyl	94	C2H6S2	000624-92-0	95
5	Disulfide, dimethyl	94	C2H6S2	000624-92-0	95





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU042420\
Data File : VU037869.D
Acq On : 24 Apr 2020 14:31
Operator : JC/MD
Sample : L2395-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0D86

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042320WMA.M
Quant Title : VOC Analysis

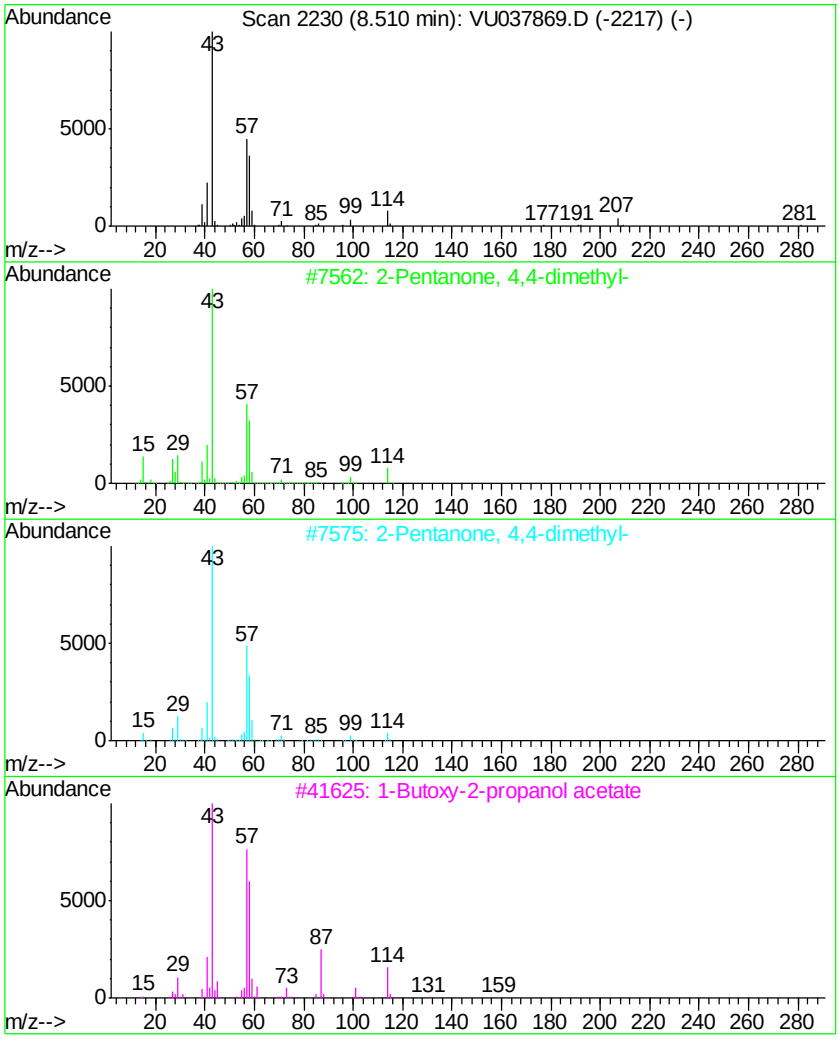
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

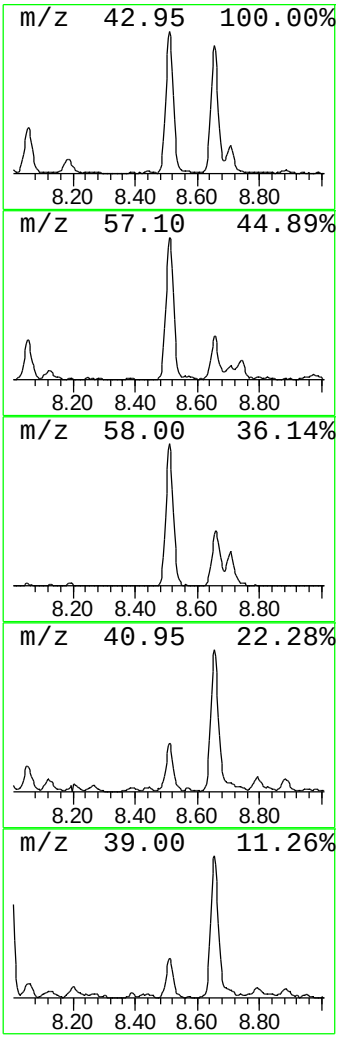
****

Peak Number 12 2-Pentanone, 4,4-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.51	6.55 ug/L	153076	Chlorobenzene-d5	9.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4,4-dimethyl-	114	C7H14O	000590-50-1	81
2	2-Pentanone, 4,4-dimethyl-	114	C7H14O	000590-50-1	64
3	1-Butoxy-2-propanol acetate	174	C9H18O3	085409-76-3	59
4	1-Butoxy-2-propanol acetate	174	C9H18O3	085409-76-3	45
5	2-Hexanone, 5-methyl-	114	C7H14O	000110-12-3	45





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU042420\
Data File : VU037869.D
Acq On : 24 Apr 2020 14:31
Operator : JC/MD
Sample : L2395-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0D86

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042320WMA.M
Quant Title : VOC Analysis

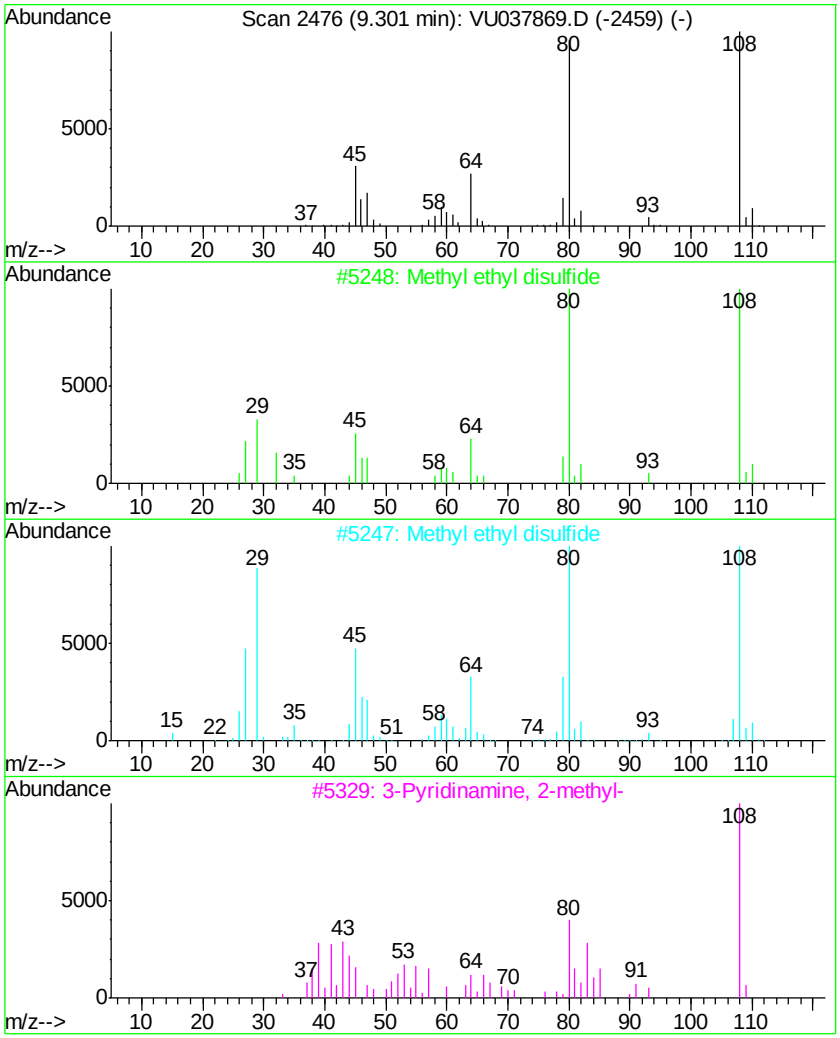
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

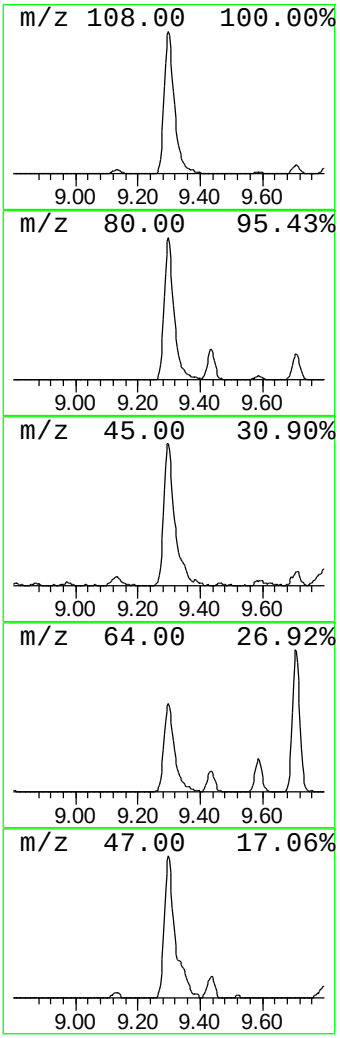
****

Peak Number 13 Methyl ethyl disulfide Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.30	13.51 ug/L	315889	Chlorobenzene-d5	9.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methyl ethyl disulfide	108	C3H8S2	020333-39-5	94
2	Methyl ethyl disulfide	108	C3H8S2	020333-39-5	83
3	3-Pyridinamine, 2-methyl-	108	C6H8N2	003430-10-2	56
4	Sulfamic acid	97	H3NO3S	005329-14-6	53
5	Ethene, 1-chloro-2-fluoro-	80	C2H2ClF	000460-16-2	53





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU042420\
Data File : VU037869.D
Acq On : 24 Apr 2020 14:31
Operator : JC/MD
Sample : L2395-01
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0D86

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042320WMA.M
Quant Title : VOC Analysis

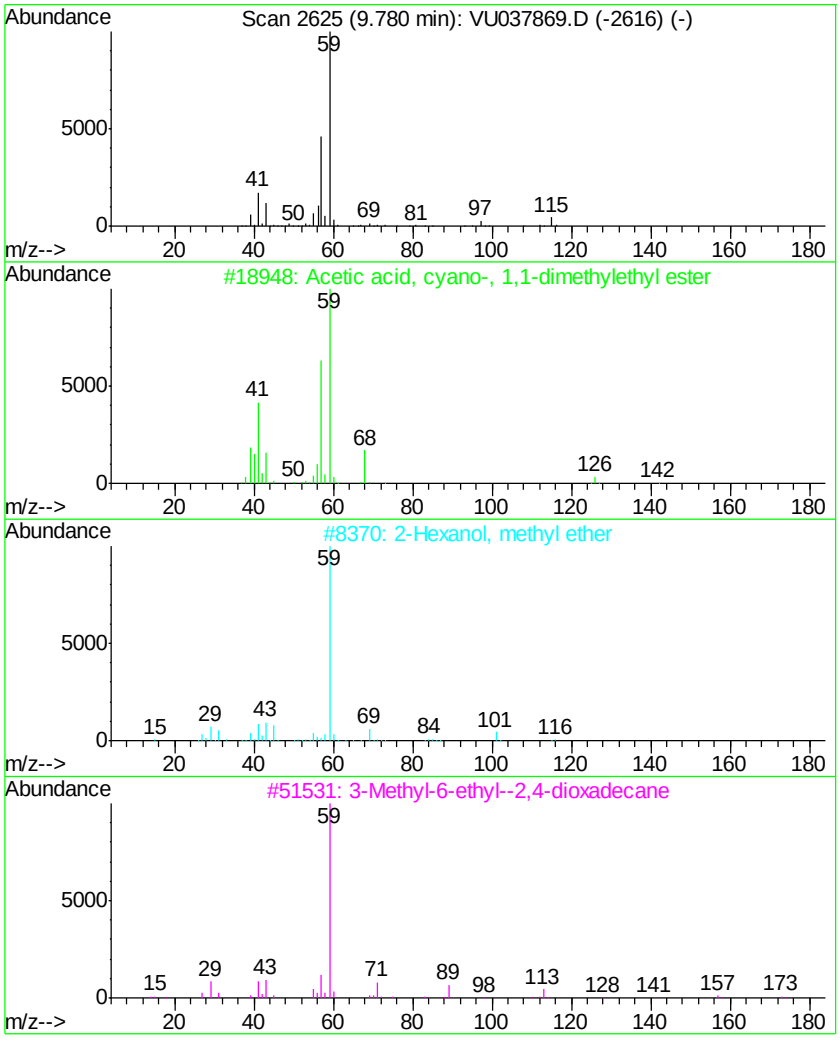
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

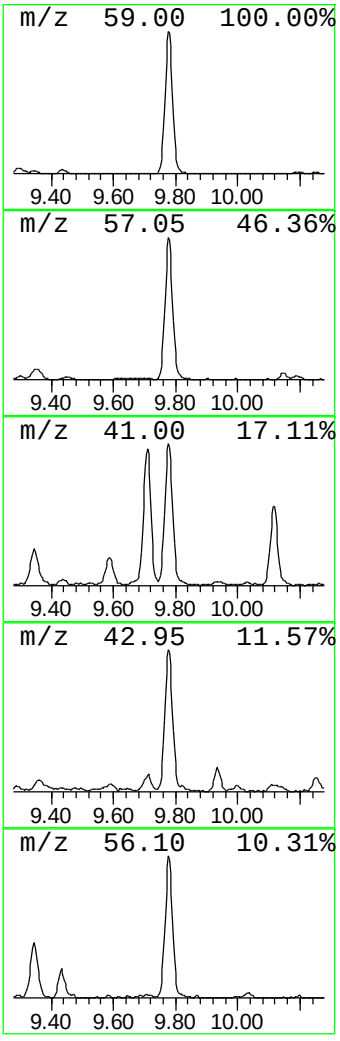
****

Peak Number 14 Acetic acid, cyano-, 1,1-di... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.78	18.95 ug/L	443123	Chlorobenzene-d5	9.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	50
2	2-Hexanol, methyl ether	116	C7H16O	1000333-92-0	50
3	3-Methyl-6-ethyl--2,4-dioxadecane	188	C11H24O2	1000334-83-2	9
4	1-(1-tert-Butoxypropan-2-yloxy)p...	190	C10H22O3	132739-31-2	9
5	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	9





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU042420\
Data File : VU037869.D
Acq On : 24 Apr 2020 14:31
Operator : JC/MD
Sample : L2395-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0D86

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042320WMA.M
Quant Title : VOC Analysis

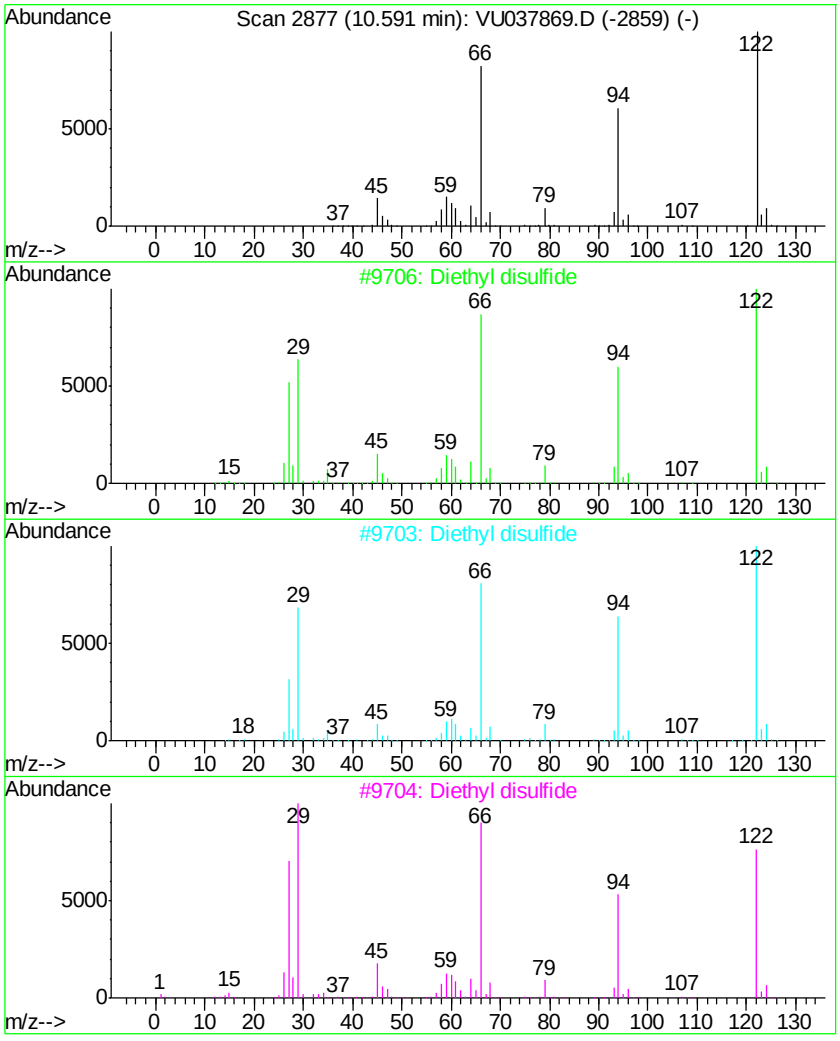
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

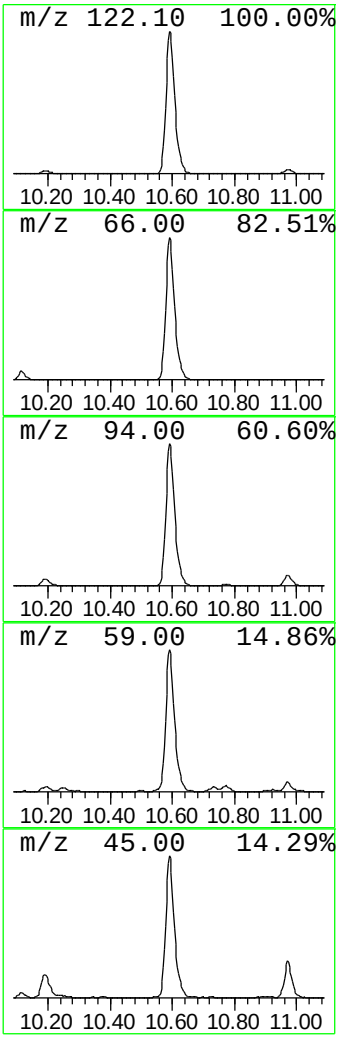
****

Peak Number 15 Diethyl disulfide Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.59	54.15 ug/L	1266370	Chlorobenzene-d5	9.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Diethyl disulfide	122	C4H10S2	000110-81-6	95
2	Diethyl disulfide	122	C4H10S2	000110-81-6	94
3	Diethyl disulfide	122	C4H10S2	000110-81-6	94
4	Diethyl sulfone	122	C4H10O2S	000597-35-3	45
5	Diethyl sulfone	122	C4H10O2S	000597-35-3	42





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU042420\
Data File : VU037869.D
Acq On : 24 Apr 2020 14:31
Operator : JC/MD
Sample : L2395-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0D86

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042320WMA.M
Quant Title : VOC Analysis

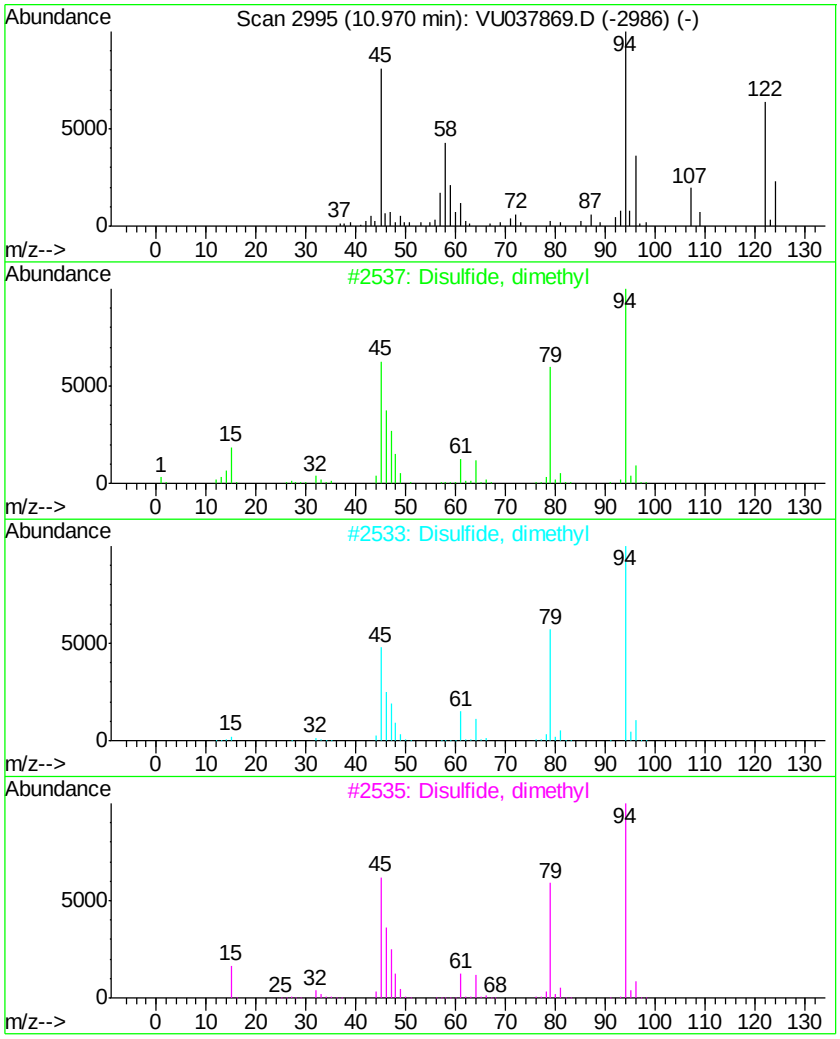
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

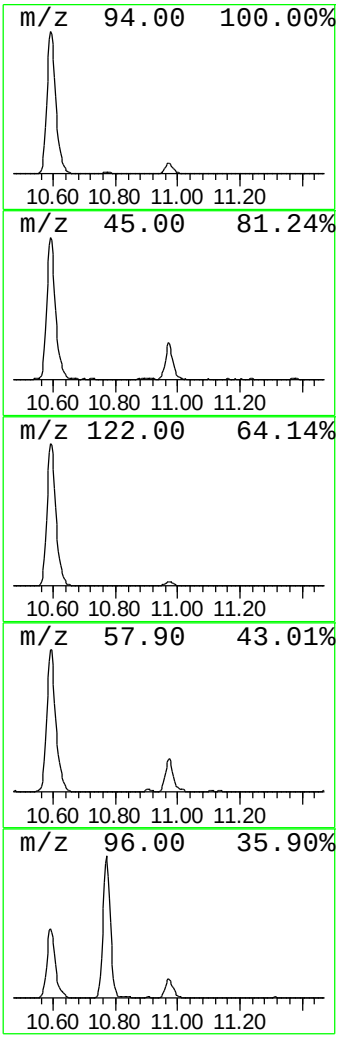
****

Peak Number 17 unknown-02 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.97	3.06 ug/L	61732	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Disulfide, dimethyl	94	C2H6S2	000624-92-0	32
2	Disulfide, dimethyl	94	C2H6S2	000624-92-0	32
3	Disulfide, dimethyl	94	C2H6S2	000624-92-0	32
4	Disulfide, dimethyl	94	C2H6S2	000624-92-0	23
5	Pyrazine, 2-(n-propyl)-	122	C7H10N2	018138-03-9	22





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU042420\
Data File : VU037869.D
Acq On : 24 Apr 2020 14:31
Operator : JC/MD
Sample : L2395-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0D86

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042320WMA.M
Quant Title : VOC Analysis

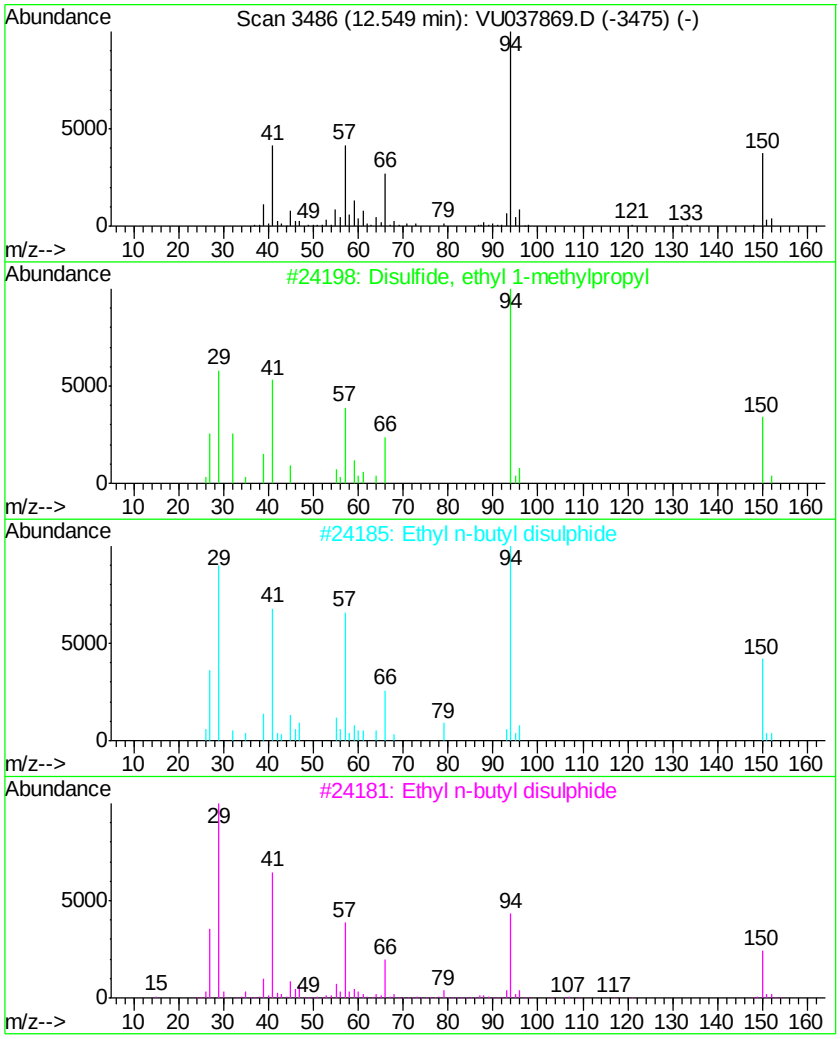
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

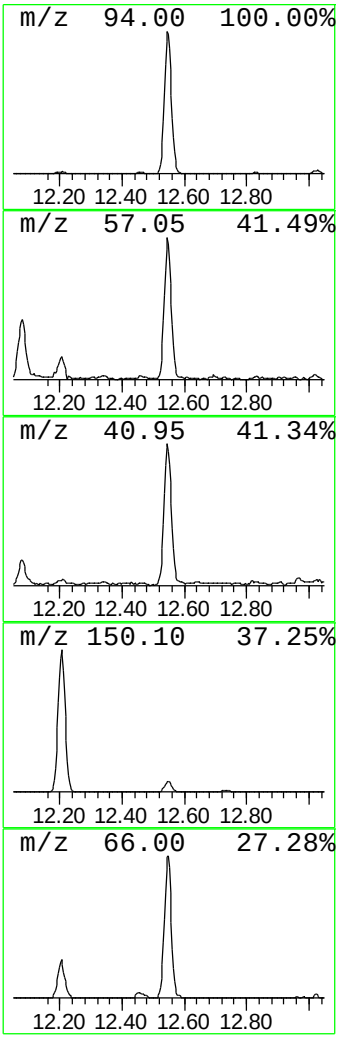
****

Peak Number 18 Disulfide, ethyl 1-methylpr... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.55	10.40 ug/L	210023	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Disulfide, ethyl 1-methylpropyl	150	C6H14S2	054166-53-9	97
2	Ethyl n-butyl disulphide	150	C6H14S2	063986-03-8	91
3	Ethyl n-butyl disulphide	150	C6H14S2	063986-03-8	53
4	Disulfide, ethyl 1-methylpropyl	150	C6H14S2	054166-53-9	49
5	Disulfide, ethyl 1-methylethyl	136	C5H12S2	053966-36-2	42





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU042420\
Data File : VU037869.D
Acq On : 24 Apr 2020 14:31
Operator : JC/MD
Sample : L2395-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0D86

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042320WMA.M
Quant Title : VOC Analysis

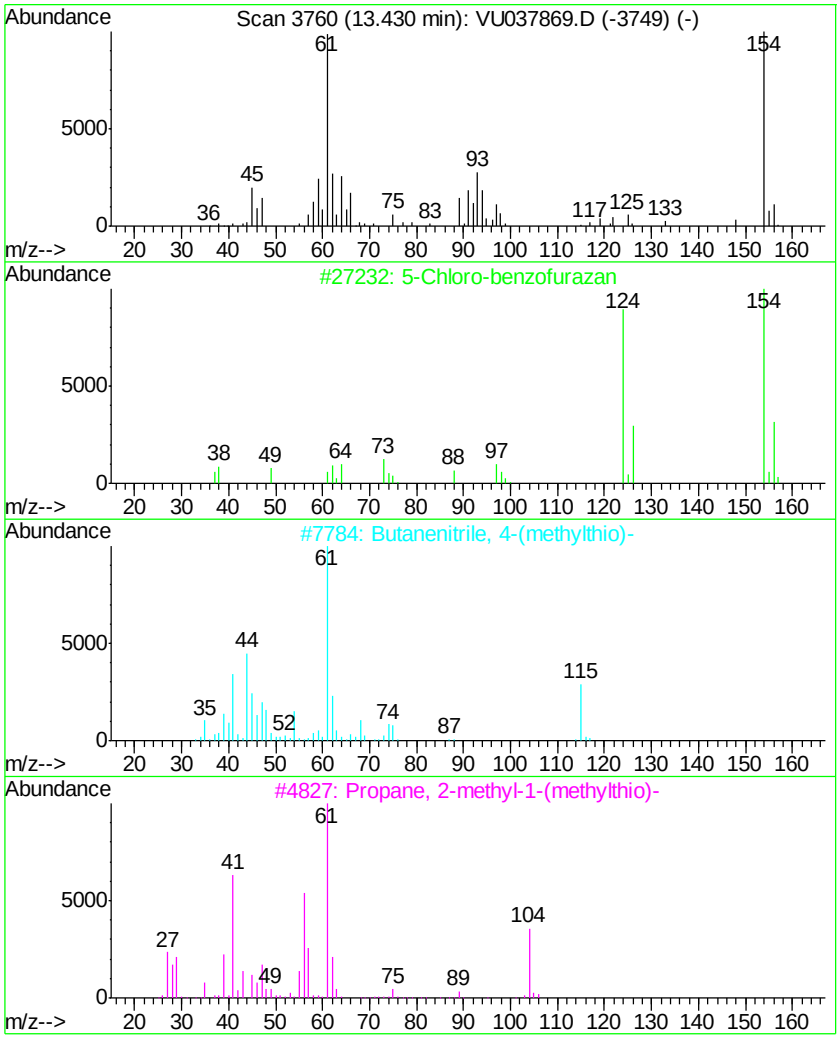
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

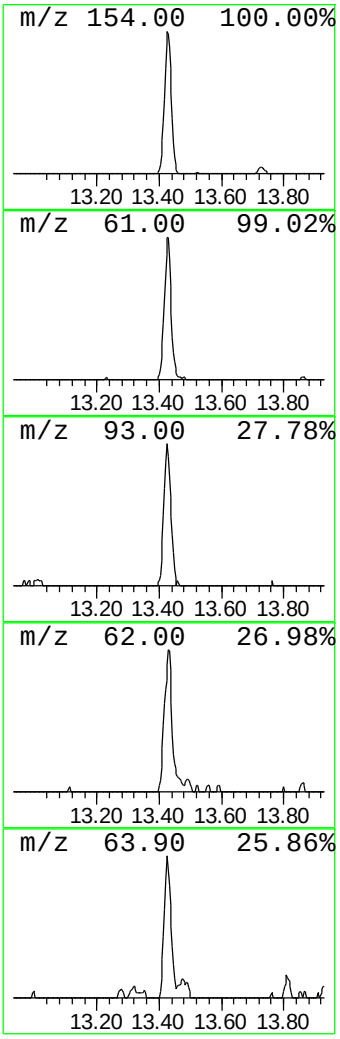
****

Peak Number 19 unknown-03 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.43	4.80 ug/L	96797	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Chloro-benzofurazan	154	C6H3ClN2O	019155-86-3	46
2	Butanenitrile, 4-(methylthio)-	115	C5H9NS	059121-24-3	37
3	Propane, 2-methyl-1-(methylthio)-	104	C5H12S	005008-69-5	37
4	1-Nitro-2-propanol	105	C3H7NO3	003156-73-8	37
5	1,2-Propanediol, 3-(methylthio)-	122	C4H10O2S	022551-26-4	27





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU042420\
Data File : VU037869.D
Acq On : 24 Apr 2020 14:31
Operator : JC/MD
Sample : L2395-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0D86

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042320WMA.M
Quant Title : VOC Analysis

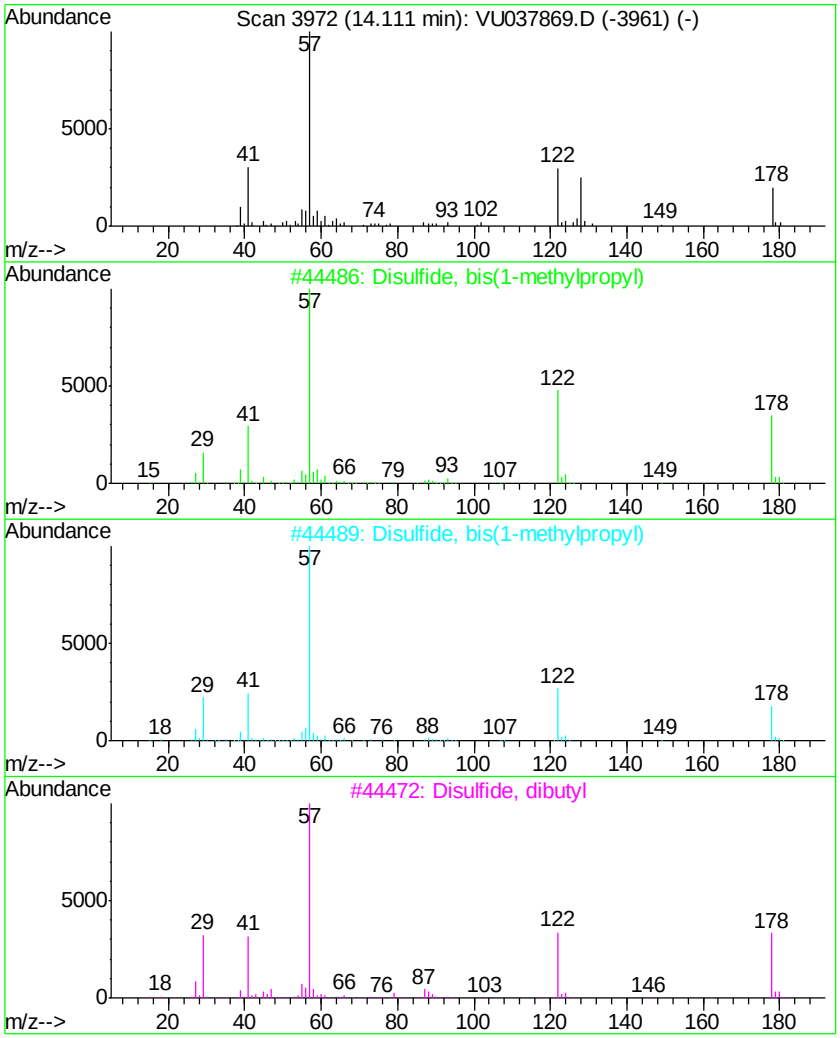
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

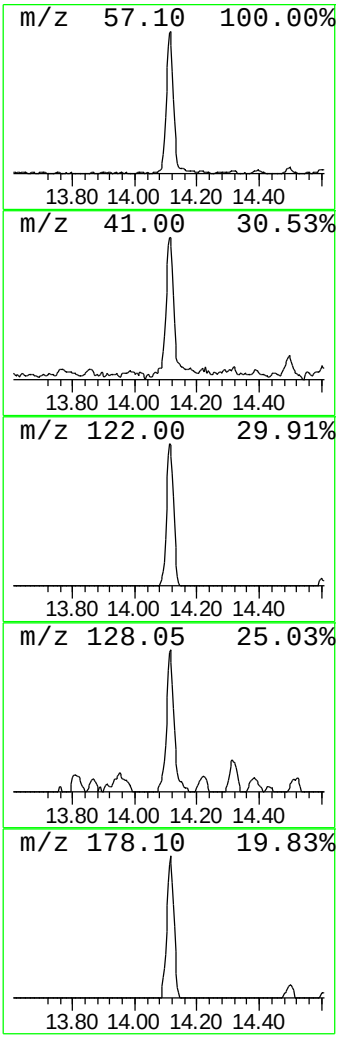
****

Peak Number 20 Disulfide, bis(1-methylpropyl) Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.11	4.24 ug/L	85517	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Disulfide, bis(1-methylpropyl)	178	C8H18S2	005943-30-6	70
2	Disulfide, bis(1-methylpropyl)	178	C8H18S2	005943-30-6	64
3	Disulfide, dibutyl	178	C8H18S2	000629-45-8	50
4	Disulfide, dibutyl	178	C8H18S2	000629-45-8	49
5	Di-tert-butyl disulfide	178	C8H18S2	000110-06-5	49





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU042420\
Data File : VU037869.D
Acq On : 24 Apr 2020 14:31
Operator : JC/MD
Sample : L2395-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0D86

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042320WMA.M
Quant Title : VOC Analysis

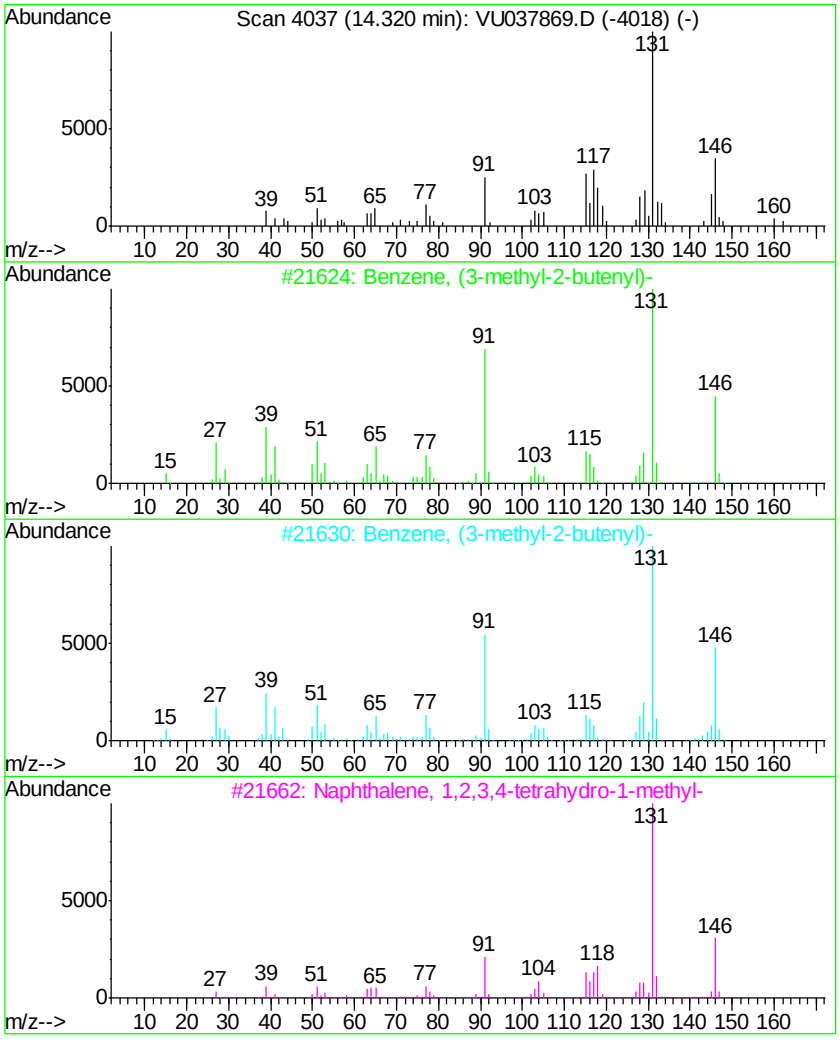
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

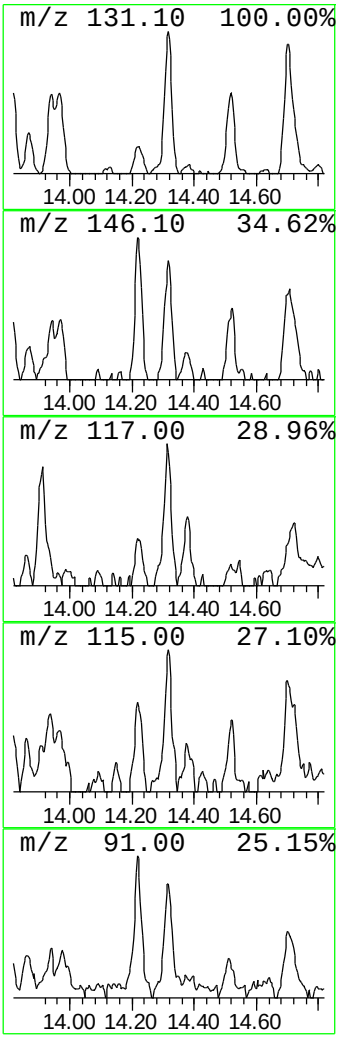
****

Peak Number 21 Benzene, (3-methyl-2-butenyl)- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.32	2.68 ug/L	54115	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	86
2	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	86
3	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	76
4	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	76
5	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	76





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU042420\
Data File : VU037869.D
Acq On : 24 Apr 2020 14:31
Operator : JC/MD
Sample : L2395-01
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0D86

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042320WMA.M
Quant Title : VOC Analysis

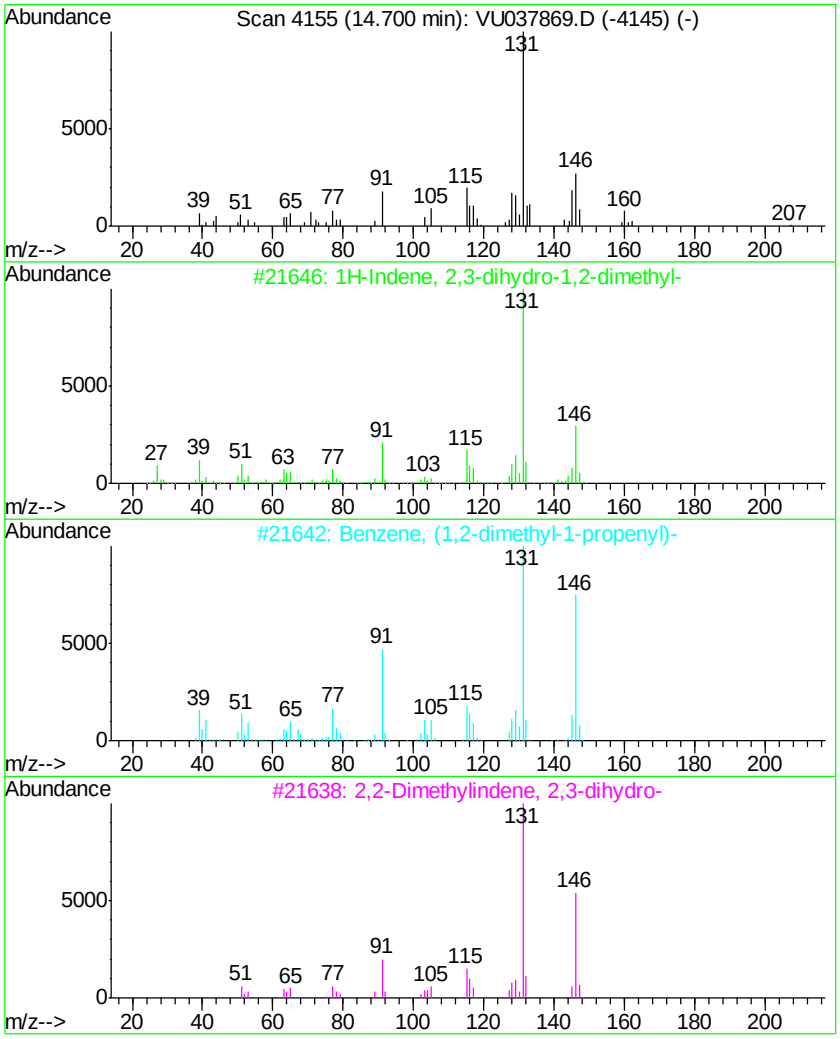
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

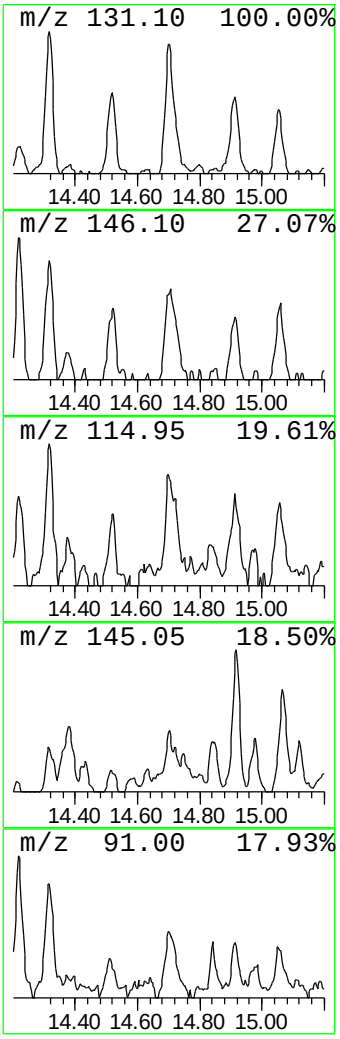
****

Peak Number 22 1H-Indene, 2,3-dihydro-1,2-... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.70	2.71 ug/L	54729	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	81
2	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	76
3	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	76
4	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	76
5	1H-Indene, 2,3-dihydro-4,6-dimet...	146	C11H14	001685-82-1	68





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU042420\
Data File : VU037869.D
Acq On : 24 Apr 2020 14:31
Operator : JC/MD
Sample : L2395-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0D86

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042320WMA.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
(DEL) Alkane: Str...	1.37	3.2	ug/L	58532	1	6.28	916189	50.0
(DEL) Alkane: Str...	1.67	5.2	ug/L	95435	1	6.28	916189	50.0
unknown-01	1.70	3.6	ug/L	66628	1	6.28	916189	50.0
(DEL) Alkane: Str...	1.75	17.1	ug/L	313249	1	6.28	916189	50.0
2-Butyne	2.27	24.9	ug/L	456592	1	6.28	916189	50.0
Ethanethiol	2.50	4.3	ug/L	77801	1	6.28	916189	50.0
Propanal, 2-methyl-	3.62	3.3	ug/L	59706	1	6.28	916189	50.0
Ethane, (methylth...	4.61	3.1	ug/L	57222	1	6.28	916189	50.0
1-Bromo-1-chloroe...	5.93	2.9	ug/L	53422	1	6.28	916189	50.0
Disulfide, dimethyl	7.70	2.7	ug/L	49897	1	6.28	916189	50.0
2-Pentanone, 4,4-...	8.51	6.5	ug/L	153076	2	9.44	1169330	50.0
Methyl ethyl disu...	9.30	13.5	ug/L	315889	2	9.44	1169330	50.0
Acetic acid, cyan...	9.78	18.9	ug/L	443123	2	9.44	1169330	50.0
Diethyl disulfide	10.59	54.1	ug/L	1266370	2	9.44	1169330	50.0
unknown-02	10.97	3.1	ug/L	61732	3	11.83	1009330	50.0
Disulfide, ethyl ...	12.55	10.4	ug/L	210023	3	11.83	1009330	50.0
unknown-03	13.43	4.8	ug/L	96797	3	11.83	1009330	50.0
Disulfide, bis(1-...	14.11	4.2	ug/L	85517	3	11.83	1009330	50.0
Benzene, (3-methy...	14.32	2.7	ug/L	54115	3	11.83	1009330	50.0
1H-Indene, 2,3-di...	14.70	2.7	ug/L	54729	3	11.83	1009330	50.0