LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060520\
Data File : VU038597.D
Acq On : 06 Jun 2020 03:18
Operator : SY/MD
Sample : L2910-04
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D08

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.1 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\SOMUTR053120WMA.M
Title : TRACE VOA SOM01.0

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.369	3	9	18	rVB	178305	172641	13.01%	1.477%
2	1.613	74	85	92	rBV	93371	111491	8.40%	0.954%
3	1.713	93	116	119	rBV2	18033	53424	4.03%	0.457%
4	1.932	176	184	197	rVB	84920	111355	8.39%	0.953%
5	2.594	378	390	403	rBV	171982	284091	21.40%	2.431%
6	2.674	404	415	437	rVB2	18051	52865	3.98%	0.452%
7	4.678	1020	1038	1077	rBV	171337	544081	40.99%	4.656%
8	4.848	1078	1091	1111	rVB2	37906	91377	6.88%	0.782%
9	5.102	1152	1170	1205	rBV	290617	693461	52.25%	5.934%
10	5.423	1255	1270	1283	rBV2	17711	38677	2.91%	0.331%
11	5.761	1351	1375	1391	rBV2	342064	914999	68.94%	7.830%
12	6.054	1455	1466	1483	rVB	18227	34738	2.62%	0.297%
13	6.279	1521	1536	1559	rBV	352893	690342	52.01%	5.907%
14	6.719	1659	1673	1691	rBV	216601	426228	32.11%	3.647%
15	7.591	1931	1944	1963	rBV	108975	197281	14.86%	1.688%
16	7.922	2031	2047	2063	rBV	410203	718518	54.14%	6.148%
17	8.202	2119	2134	2151	rBV2	72527	122118	9.20%	1.045%
18	8.430	2194	2205	2218	rBV2	14943	25027	1.89%	0.214%
19	8.655	2261	2275	2307	rBV	721249	1327227	100.00%	11.357%
20	9.436	2501	2518	2544	rBV	513611	873712	65.83%	7.476%
21	9.546	2544	2552	2558	rVV5	8139	14395	1.08%	0.123%
22	9.587	2558	2565	2579	rVB4	9465	15946	1.20%	0.136%
23	9.706	2593	2602	2617	rVB5	17275	29657	2.23%	0.254%
24	9.848	2633	2646	2653	rBV10	8361	14999	1.13%	0.128%
25	10.542	2854	2862	2870	rBV2	9836	15119	1.14%	0.129%
26	10.771	2919	2933	2951	rVB	194750	331592	24.98%	2.837%
27	11.430	3118	3138	3147	rBV8	14731	35330	2.66%	0.302%
28	11.623	3181	3198	3201	rBV	70324	103204	7.78%	0.883%
29	11.655	3201	3208	3230	rVB	210692	347376	26.17%	2.973%
30	11.822	3247	3260	3279	rBV	573816	918999	69.24%	7.864%
31	12.076	3331	3339	3358	rBV6	21031	50050	3.77%	0.428%
32	12.205	3365	3379	3399	rVB	467650	783821	59.06%	6.707%
33	12.452	3452	3456	3467	rVB6	11351	16707	1.26%	0.143%
34	12.590	3478	3499	3505	rBV	37358	74126	5.59%	0.634%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060520\
Data File : VU038597.D
Acq On : 06 Jun 2020 03:18
Operator : SY/MD
Sample : L2910-04
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D08

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.1 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\SOMUTR053120WMA.M
Title : TRACE VOA SOM01.0

35	12.623	3505	3509	3525	rVV2	33404	54422	4.10%	0.466%
36	12.967	3606	3616	3617	rBV6	10777	13613	1.03%	0.116%
37	13.137	3651	3669	3684	rBV2	49145	97166	7.32%	0.831%
38	13.272	3703	3711	3718	rBV2	38283	56045	4.22%	0.480%
39	13.349	3727	3735	3746	rVB2	39327	63106	4.75%	0.540%
40	13.552	3792	3798	3807	rVV6	15896	23822	1.79%	0.204%
41	13.761	3847	3863	3870	rBV6	20398	50255	3.79%	0.430%
42	13.806	3871	3877	3886	rVB3	33269	45994	3.47%	0.394%
43	13.851	3886	3891	3898	rVB2	10895	13653	1.03%	0.117%
44	13.915	3900	3911	3914	rBV3	33060	55324	4.17%	0.473%
45	13.967	3921	3927	3940	rVB	122866	196342	14.79%	1.680%
46	14.089	3958	3965	3977	rBV8	7962	16017	1.21%	0.137%
47	14.227	3999	4008	4016	rBV3	7846	13423	1.01%	0.115%
48	14.285	4017	4026	4030	rVV6	20197	32703	2.46%	0.280%
49	14.314	4031	4035	4046	rVV3	24379	39773	3.00%	0.340%
50	14.471	4075	4084	4092	rBV8	18216	29758	2.24%	0.255%
51	14.549	4100	4108	4122	rVB4	41802	65991	4.97%	0.565%
52	14.661	4138	4143	4156	rVB7	8481	16049	1.21%	0.137%
53	14.915	4211	4222	4232	rVB9	15432	30314	2.28%	0.259%
54	15.066	4261	4269	4281	rVB9	9592	17315	1.30%	0.148%
55	15.311	4336	4345	4354	rBV9	12303	25781	1.94%	0.221%
56	15.465	4377	4393	4406	rBV4	15355	36570	2.76%	0.313%
57	16.147	4598	4605	4616	rVB4	15691	24194	1.82%	0.207%
58	16.449	4690	4699	4710	rBV2	54689	90622	6.83%	0.775%
59	17.384	4978	4990	5007	rBV2	180208	343051	25.85%	2.936%

Sum of corrected areas: 11686277

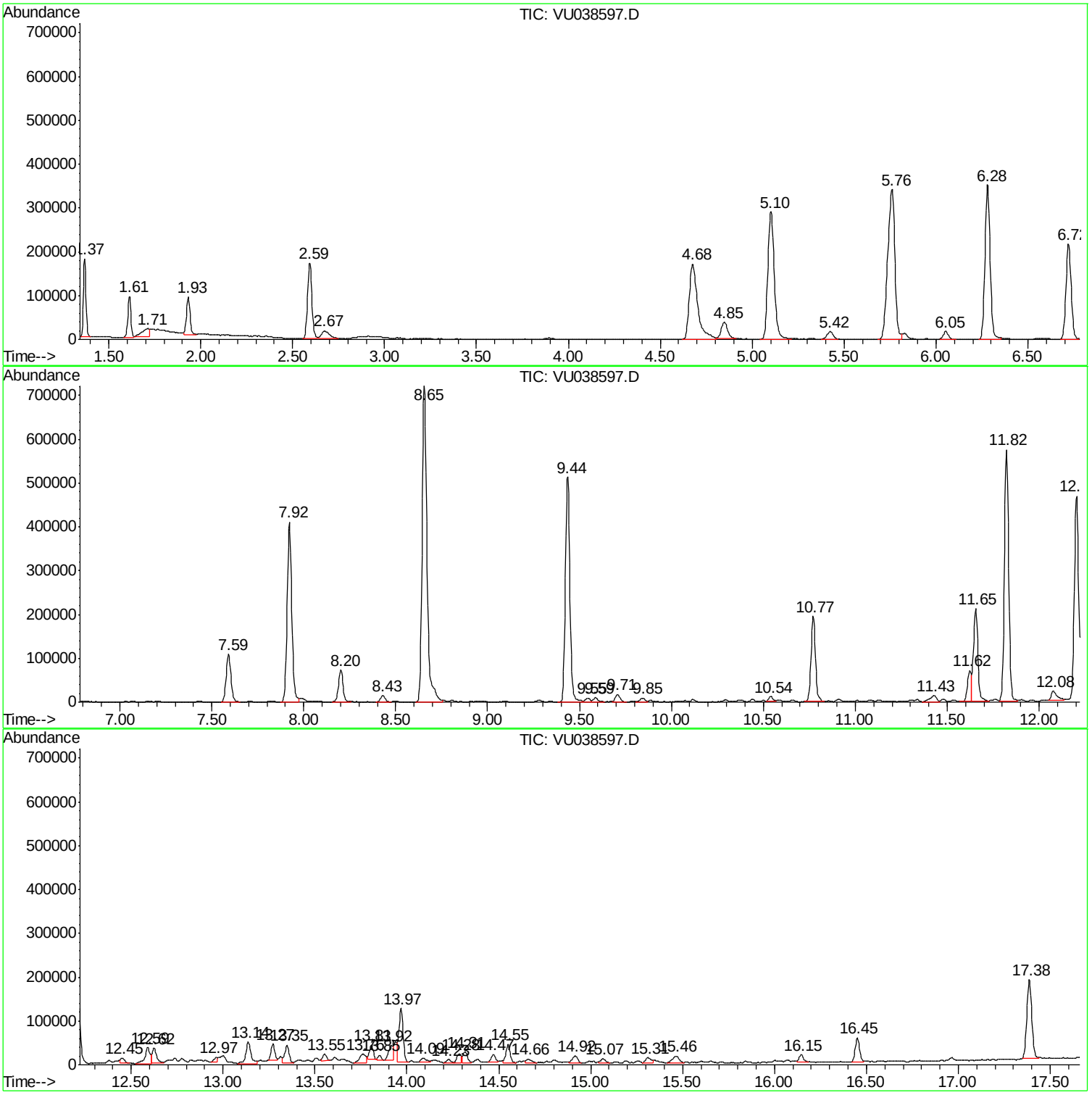
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060520\
Data File : VU038597.D
Acq On : 06 Jun 2020 03:18
Operator : SY/MD
Sample : L2910-04
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D08

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR053120WMA.M
Quant Title : TRACE VOA SOM01.0

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



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060520\
Data File : VU038597.D
Acq On : 06 Jun 2020 03:18
Operator : SY/MD
Sample : L2910-04
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D08

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR053120WMA.M
Quant Title : TRACE VOA SOM01.0

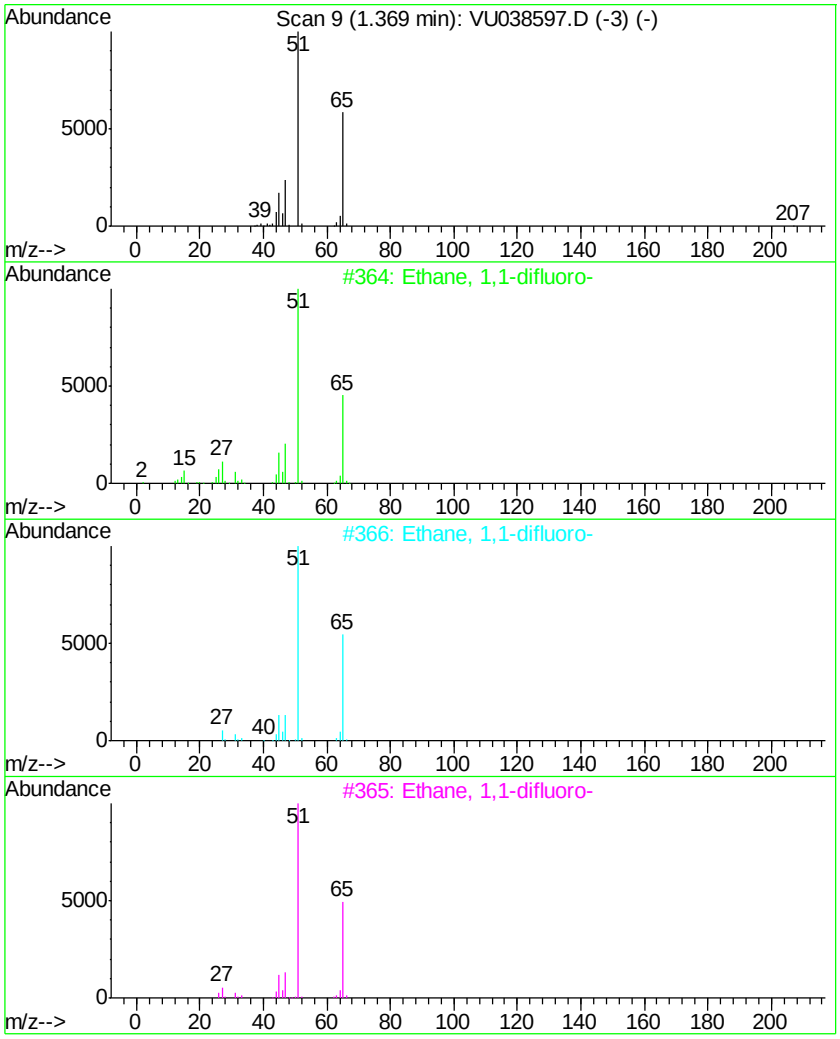
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

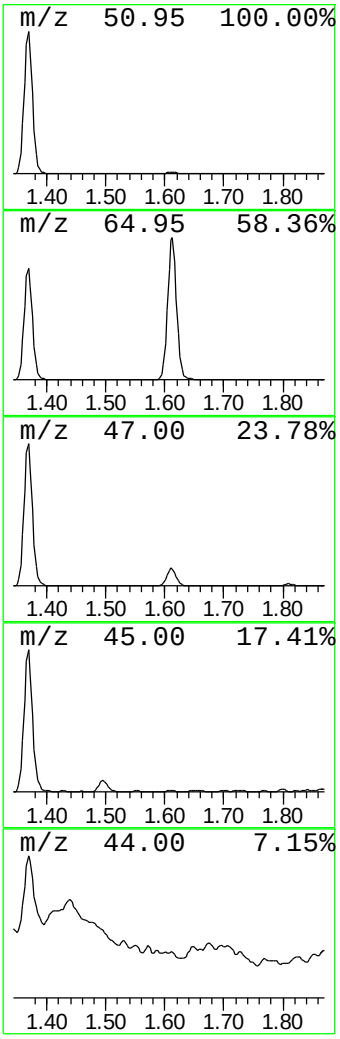
****

Peak Number 1 Ethane, 1,1-difluoro- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.37	1.25 ug/L	172641	1,4-Difluorobenzene	6.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethane, 1,1-difluoro-	66	C2H4F2	000075-37-6	91
2	Ethane, 1,1-difluoro-	66	C2H4F2	000075-37-6	90
3	Ethane, 1,1-difluoro-	66	C2H4F2	000075-37-6	90
4	Propiolonitrile	51	C3HN	001070-71-9	3
5	Propane, 2,2-difluoro-	80	C3H6F2	000420-45-1	2





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060520\
Data File : VU038597.D
Acq On : 06 Jun 2020 03:18
Operator : SY/MD
Sample : L2910-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D08

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR053120WMA.M
Quant Title : TRACE VOA SOM01.0

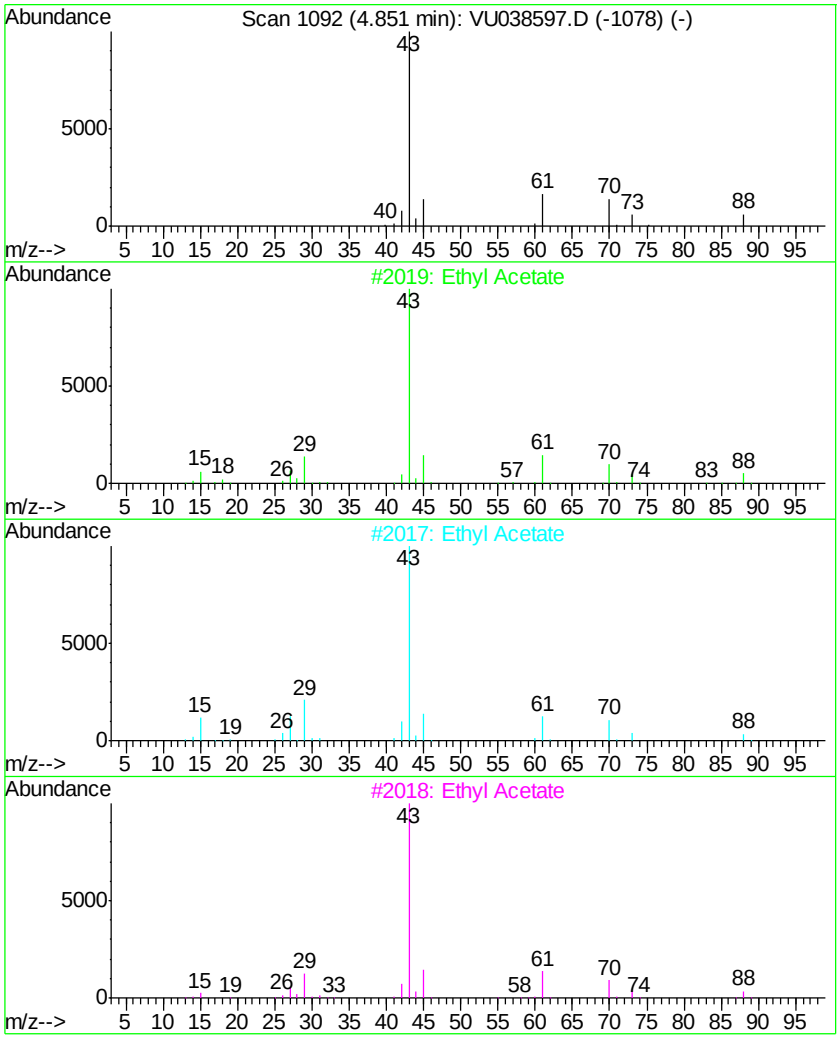
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

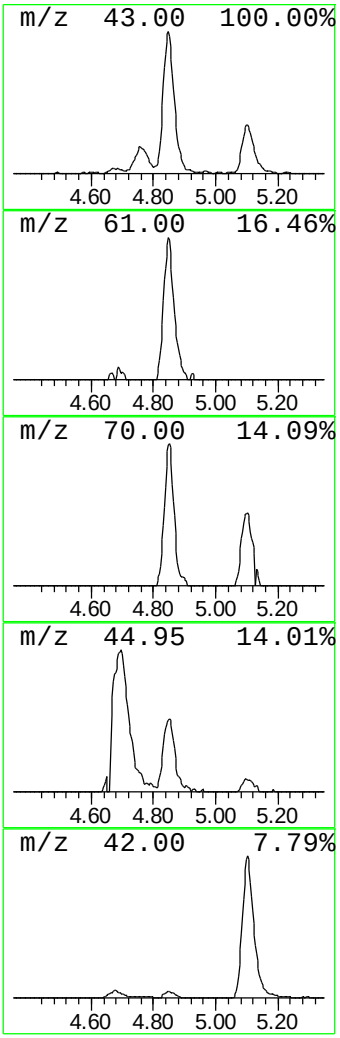
****

Peak Number 2 Ethyl Acetate Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.85	0.66 ug/L	91377	1,4-Difluorobenzene	6.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethyl Acetate	88	C4H8O2	000141-78-6	90
2	Ethyl Acetate	88	C4H8O2	000141-78-6	90
3	Ethyl Acetate	88	C4H8O2	000141-78-6	90
4	Ethyl Acetate	88	C4H8O2	000141-78-6	90
5	Propanoic acid, 2-methyl-	88	C4H8O2	000079-31-2	33





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060520\
Data File : VU038597.D
Acq On : 06 Jun 2020 03:18
Operator : SY/MD
Sample : L2910-04
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D08

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR053120WMA.M
Quant Title : TRACE VOA SOM01.0

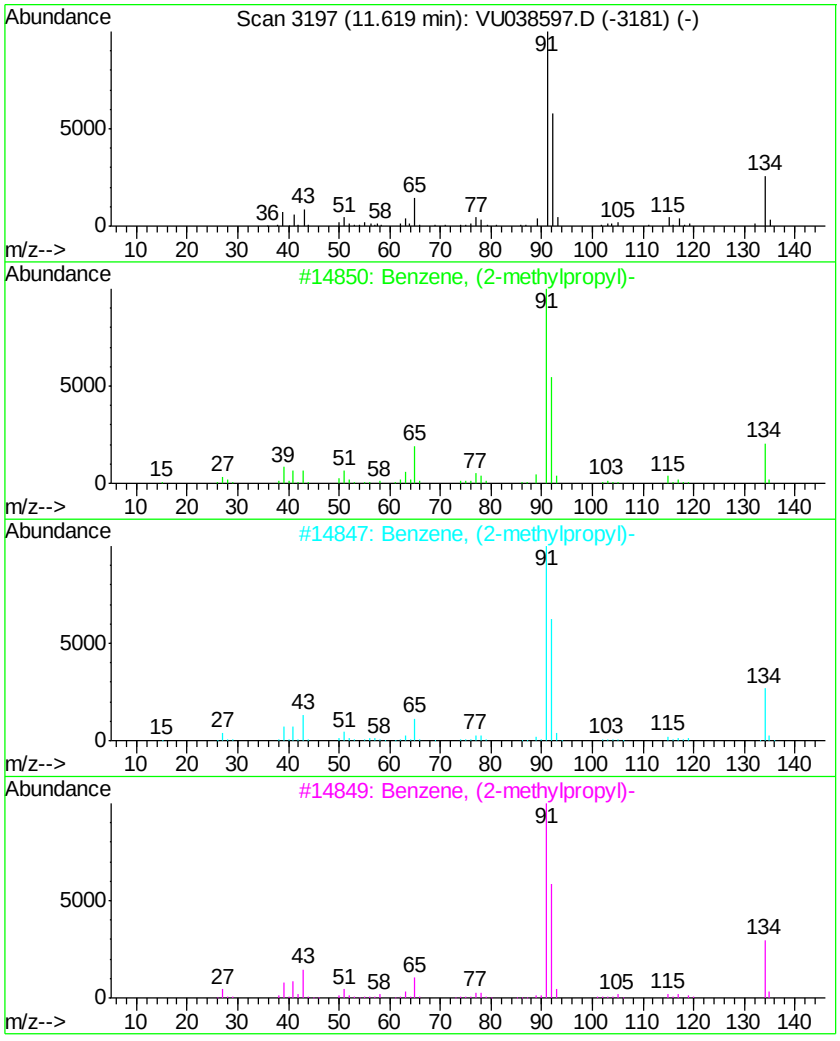
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

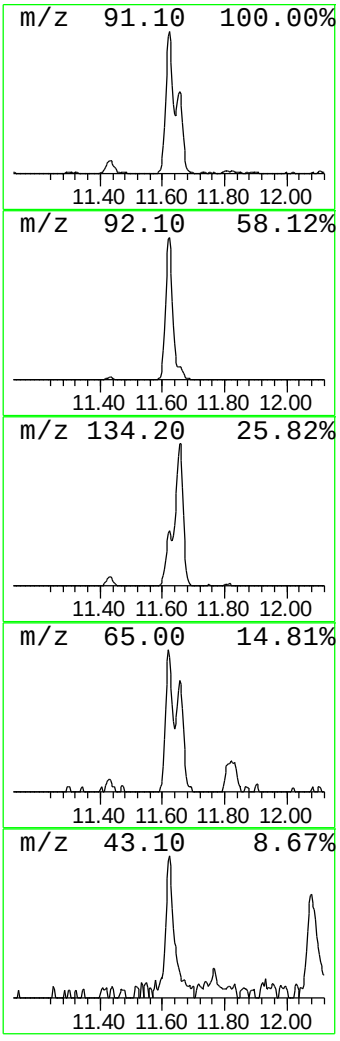
****

Peak Number 4 Benzene, (2-methylpropyl)- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.62	0.56 ug/L	103204	1,4-Dichlorobenzene-d4	11.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (2-methylpropyl)-	134	C10H14	000538-93-2	90
2	Benzene, (2-methylpropyl)-	134	C10H14	000538-93-2	90
3	Benzene, (2-methylpropyl)-	134	C10H14	000538-93-2	83
4	Benzene, butyl-	134	C10H14	000104-51-8	80
5	Benzene, butyl-	134	C10H14	000104-51-8	80





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060520\
Data File : VU038597.D
Acq On : 06 Jun 2020 03:18
Operator : SY/MD
Sample : L2910-04
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D08

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR053120WMA.M
Quant Title : TRACE VOA SOM01.0

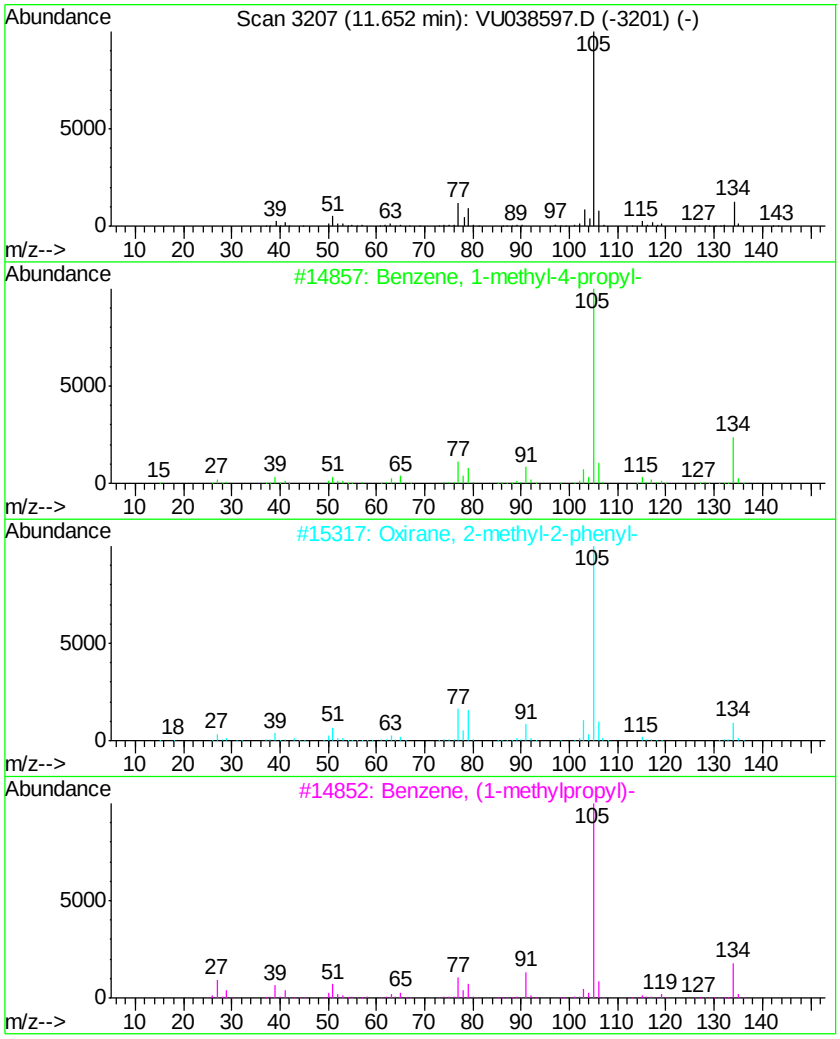
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

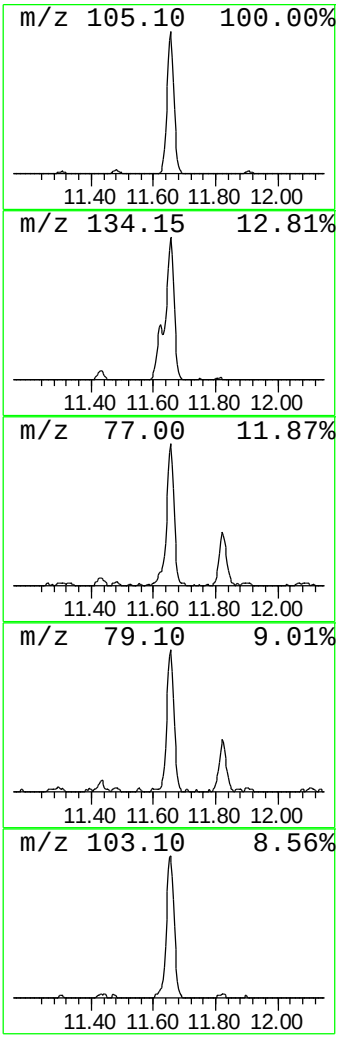
****

Peak Number 5 Benzene, 1-methyl-4-propyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.65	1.89 ug/L	347376	1,4-Dichlorobenzene-d4	11.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	91
2	Oxirane, 2-methyl-2-phenyl-	134	C9H10O	002085-88-3	87
3	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	86
4	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	86
5	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	83





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060520\
Data File : VU038597.D
Acq On : 06 Jun 2020 03:18
Operator : SY/MD
Sample : L2910-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D08

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR053120WMA.M
Quant Title : TRACE VOA SOM01.0

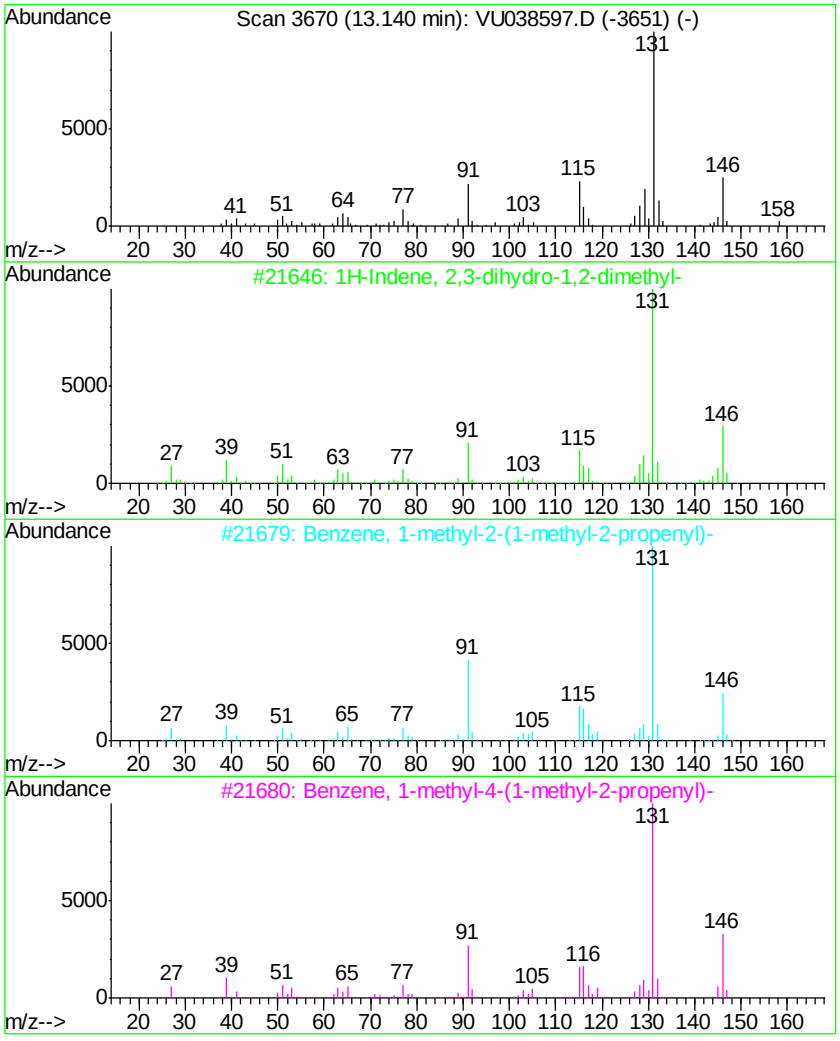
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

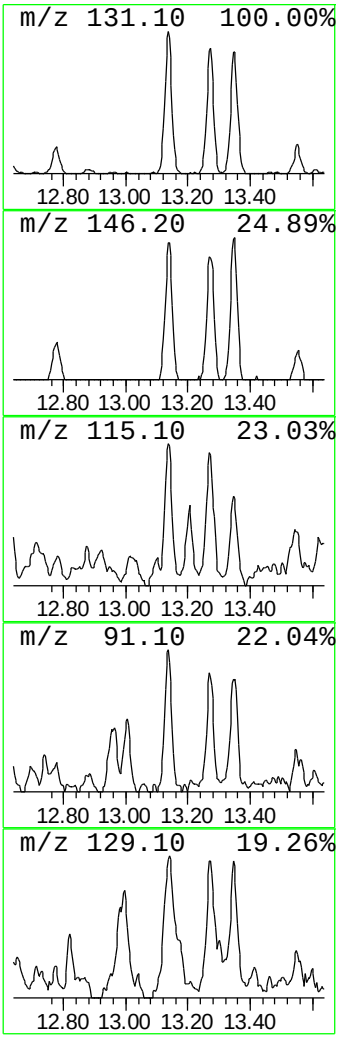
****

Peak Number 6 1H-Indene, 2,3-dihydro-1,2-... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.14	0.53 ug/L	97166	1,4-Dichlorobenzene-d4	11.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	94
2	Benzene, 1-methyl-2-(1-methyl-2-...	146	C11H14	097664-19-2	91
3	Benzene, 1-methyl-4-(1-methyl-2-...	146	C11H14	097664-18-1	91
4	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	90
5	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	90





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060520\
Data File : VU038597.D
Acq On : 06 Jun 2020 03:18
Operator : SY/MD
Sample : L2910-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D08

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR053120WMA.M
Quant Title : TRACE VOA SOM01.0

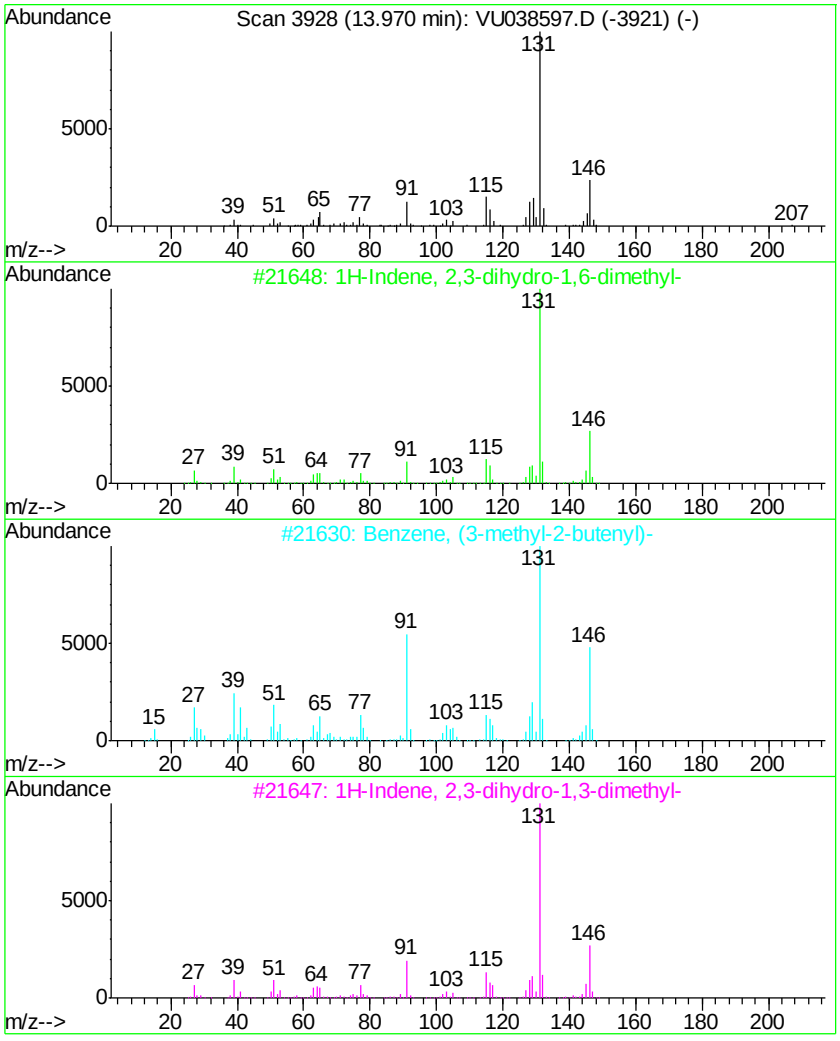
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

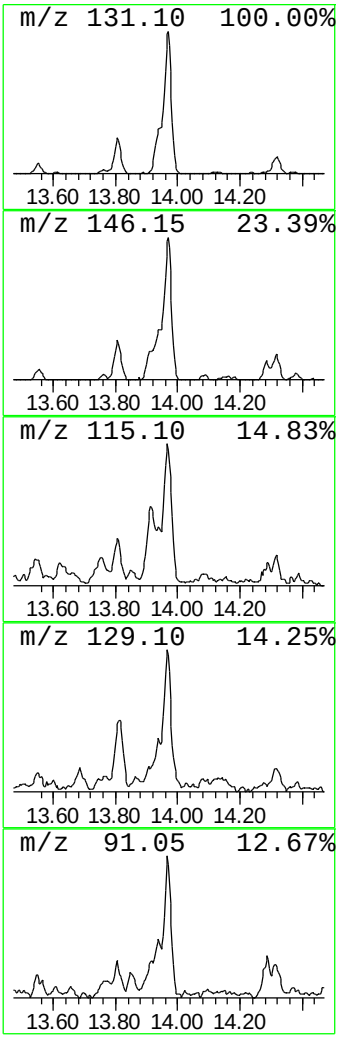
****

Peak Number 7 1H-Indene, 2,3-dihydro-1,6-... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.97	1.07 ug/L	196342	1,4-Dichlorobenzene-d4	11.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	97
2	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	94
3	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	94
4	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	91
5	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060520\
Data File : VU038597.D
Acq On : 06 Jun 2020 03:18
Operator : SY/MD
Sample : L2910-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D08

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR053120WMA.M
Quant Title : TRACE VOA SOM01.0

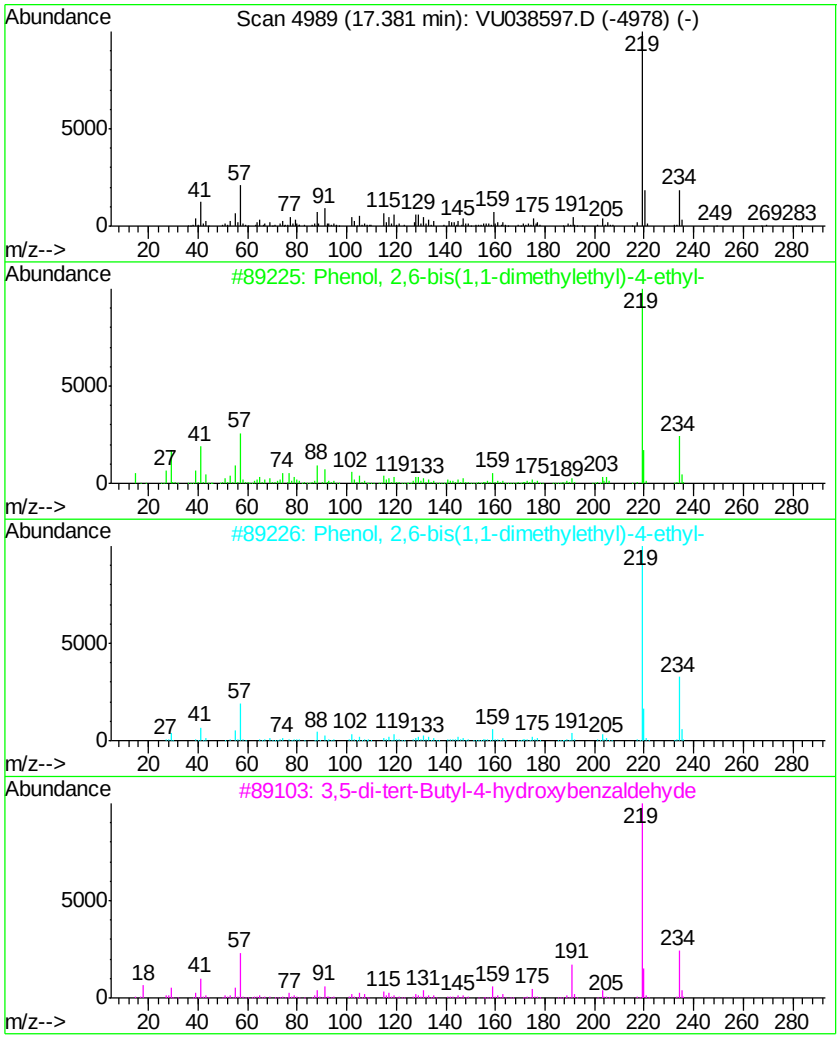
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

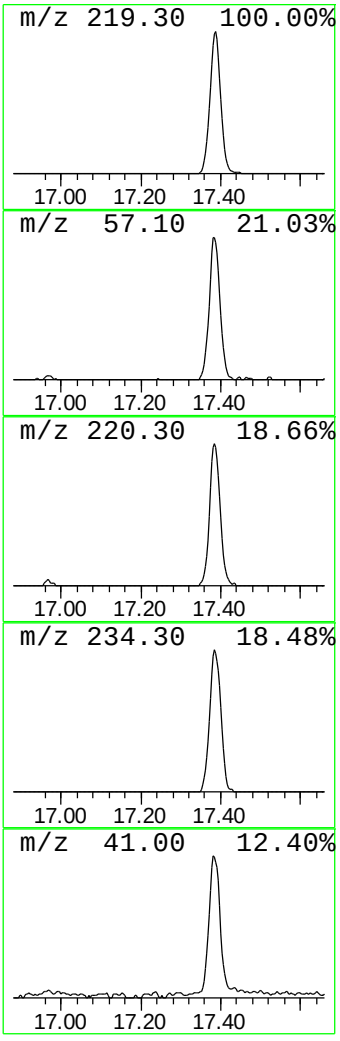
****

Peak Number 8 Phenol, 2,6-bis(1,1-dimethy... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.38	1.87 ug/L	343051	1,4-Dichlorobenzene-d4	11.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 2,6-bis(1,1-dimethylethy...	234	C16H26O	004130-42-1	94
2	Phenol, 2,6-bis(1,1-dimethylethy...	234	C16H26O	004130-42-1	91
3	3,5-di-tert-Butyl-4-hydroxybenza...	234	C15H22O2	001620-98-0	87
4	4-tert-Butyl-2,6-diisopropylphenol	234	C16H26O	057354-65-1	83
5	3,5-Di-tert-butylbenzoic acid	234	C15H22O2	016225-26-6	81





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060520\
Data File : VU038597.D
Acq On : 06 Jun 2020 03:18
Operator : SY/MD
Sample : L2910-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D08

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR053120WMA.M
Quant Title : TRACE VOA SOM01.0

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Ethane, 1,1-diflu...	1.37	1.3	ug/L	172641	1	6.28	690342	5.0
Ethyl Acetate	4.85	0.7	ug/L	91377	1	6.28	690342	5.0
Benzene, (2-methy...	11.62	0.6	ug/L	103204	3	11.82	918999	5.0
Benzene, 1-methyl...	11.65	1.9	ug/L	347376	3	11.82	918999	5.0
1H-Indene, 2,3-di...	13.14	0.5	ug/L	97166	3	11.82	918999	5.0
1H-Indene, 2,3-di...	13.97	1.1	ug/L	196342	3	11.82	918999	5.0
Phenol, 2,6-bis(1...	17.38	1.9	ug/L	343051	3	11.82	918999	5.0