LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060620\
Data File : VU038620.D
Acq On : 06 Jun 2020 16:30
Operator : SY/MD
Sample : L2910-20
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9E77

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	22	rVB	162296	161592	11.01%	1.322%
2	1.614	71	85	93	rBV	108387	128575	8.76%	1.052%
3	1.932	176	184	198	rVB	94553	122507	8.35%	1.002%
4	2.591	378	389	403	rBV	194358	322562	21.98%	2.639%
5	2.675	405	415	438	rVB	20867	54354	3.70%	0.445%
6	2.826	445	462	465	rBV2	13556	24072	1.64%	0.197%
7	4.674	1018	1037	1077	rBV	197993	598580	40.79%	4.897%
8	4.848	1078	1091	1112	rVB2	35642	86646	5.91%	0.709%
9	5.102	1149	1170	1193	rBV2	309074	716635	48.84%	5.862%
10	5.424	1254	1270	1284	rBV3	25739	57748	3.94%	0.472%
11	5.758	1353	1374	1390	rBV2	383200	1005304	68.51%	8.224%
12	6.054	1454	1466	1482	rVB2	17152	34226	2.33%	0.280%
13	6.279	1518	1536	1560	rBV	366893	706127	48.12%	5.776%
14	6.723	1658	1674	1692	rBV	245534	470435	32.06%	3.848%
15	7.591	1930	1944	1963	rBV	116253	204654	13.95%	1.674%
16	7.922	2033	2047	2062	rBV	450300	778564	53.06%	6.369%
17	8.202	2119	2134	2152	rBV	73685	128356	8.75%	1.050%
18	8.430	2195	2205	2215	rBV	16097	27777	1.89%	0.227%
19	8.655	2261	2275	2310	rBV	804277	1467290	100.00%	12.003%
20	9.436	2503	2518	2539	rBV	536761	893146	60.87%	7.306%
21	9.706	2592	2602	2614	rVB6	16110	28182	1.92%	0.231%
22	10.542	2852	2862	2868	rBV3	11979	17352	1.18%	0.142%
23	10.771	2919	2933	2950	rBV	214379	360001	24.54%	2.945%
24	10.903	2964	2974	2983	rBV3	15713	23035	1.57%	0.188%
25	11.427	3119	3137	3146	rBV6	17165	36218	2.47%	0.296%
26	11.623	3182	3198	3201	rBV	76339	111564	7.60%	0.913%
27	11.655	3201	3208	3229	rVB	240302	393338	26.81%	3.218%
28	11.822	3248	3260	3274	rBV	585608	934552	63.69%	7.645%
29	12.079	3329	3340	3351	rBV4	31385	66768	4.55%	0.546%
30	12.205	3366	3379	3399	rVB	502294	854275	58.22%	6.988%
31	12.456	3442	3457	3468	rVB9	11867	32852	2.24%	0.269%
32	12.591	3478	3499	3504	rBV	39969	73672	5.02%	0.603%
33	12.626	3504	3510	3523	rVB3	33920	54962	3.75%	0.450%
34	12.780	3551	3558	3568	rBV5	9905	19491	1.33%	0.159%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060620\
Data File : VU038620.D
Acq On : 06 Jun 2020 16:30
Operator : SY/MD
Sample : L2910-20
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9E77

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	12.964	3605	3615	3620	rBV10	11483	23580	1.61%	0.193%
36	12.999	3622	3626	3635	rVB6	15183	21286	1.45%	0.174%
37	13.137	3652	3669	3683	rBV	53779	103738	7.07%	0.849%
38	13.272	3701	3711	3719	rBV3	41304	65447	4.46%	0.535%
39	13.346	3727	3734	3745	rVB2	45606	73242	4.99%	0.599%
40	13.552	3791	3798	3807	rBV5	15475	22903	1.56%	0.187%
41	13.761	3846	3863	3870	rBV5	21435	53120	3.62%	0.435%
42	13.806	3870	3877	3885	rVB3	33659	50679	3.45%	0.415%
43	13.848	3886	3890	3898	rVB2	12862	15968	1.09%	0.131%
44	13.912	3899	3910	3912	rBV2	34678	47285	3.22%	0.387%
45	13.967	3921	3927	3939	rVB	135787	216126	14.73%	1.768%
46	14.089	3954	3965	3975	rBV7	11814	23141	1.58%	0.189%
47	14.282	4017	4025	4030	rBV4	23604	34211	2.33%	0.280%
48	14.317	4030	4036	4046	rVB3	24633	42073	2.87%	0.344%
49	14.472	4076	4084	4093	rBV8	16532	26732	1.82%	0.219%
50	14.549	4100	4108	4119	rVB3	43846	68752	4.69%	0.562%
51	14.655	4136	4141	4157	rVB8	9037	20185	1.38%	0.165%
52	14.915	4212	4222	4232	rVB8	15091	29160	1.99%	0.239%
53	15.063	4262	4268	4278	rVB9	10768	16963	1.16%	0.139%
54	15.311	4336	4345	4353	rBV8	12390	25634	1.75%	0.210%
55	15.462	4378	4392	4405	rVB3	14751	34063	2.32%	0.279%
56	16.449	4688	4699	4710	rBV3	39661	68802	4.69%	0.563%
57	17.385	4979	4990	5003	rBV2	79478	145661	9.93%	1.192%

Sum of corrected areas: 12224163

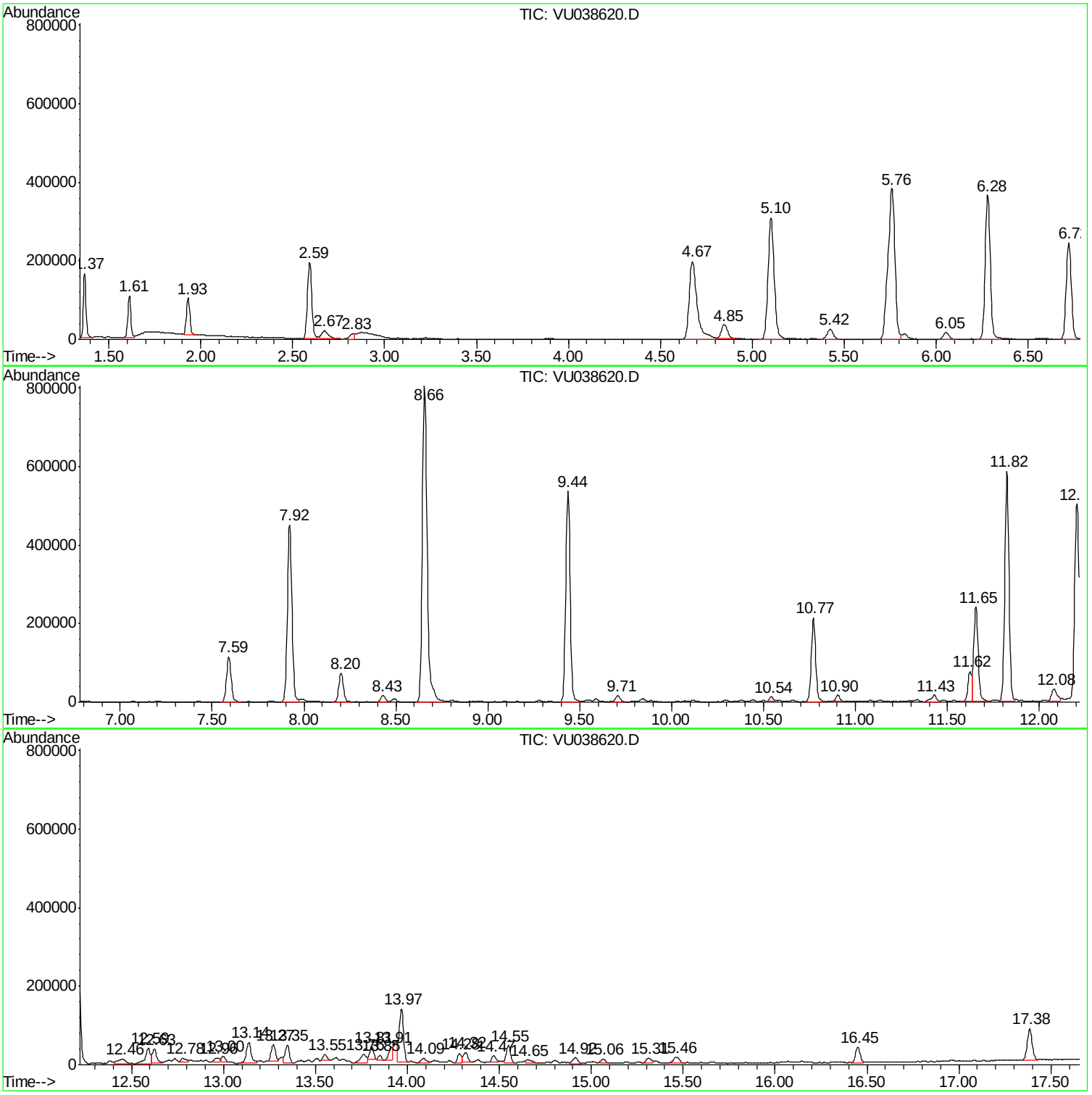
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060620\
Data File : VU038620.D
Acq On : 06 Jun 2020 16:30
Operator : SY/MD
Sample : L2910-20
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9E77

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\VU060620\
Data File : VU038620.D
Acq On : 06 Jun 2020 16:30
Operator : SY/MD
Sample : L2910-20
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9E77

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

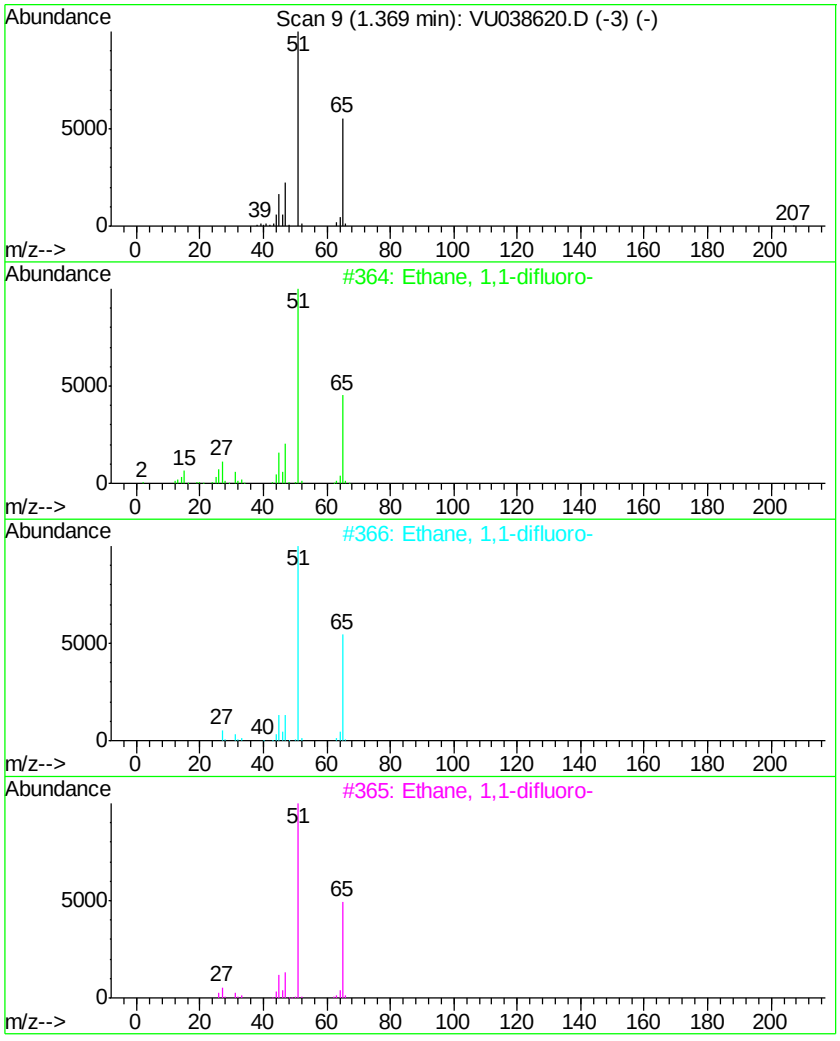
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

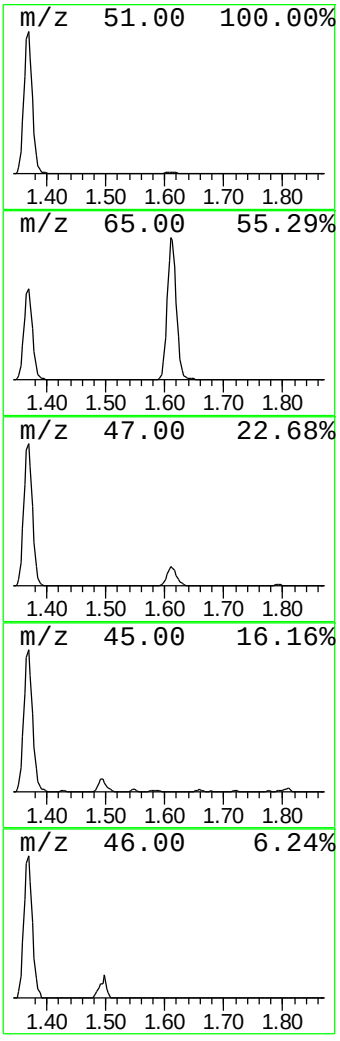
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.37	1.14 ug/L	161592	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\VU060620\
Data File : VU038620.D
Acq On : 06 Jun 2020 16:30
Operator : SY/MD
Sample : L2910-20
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9E77

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

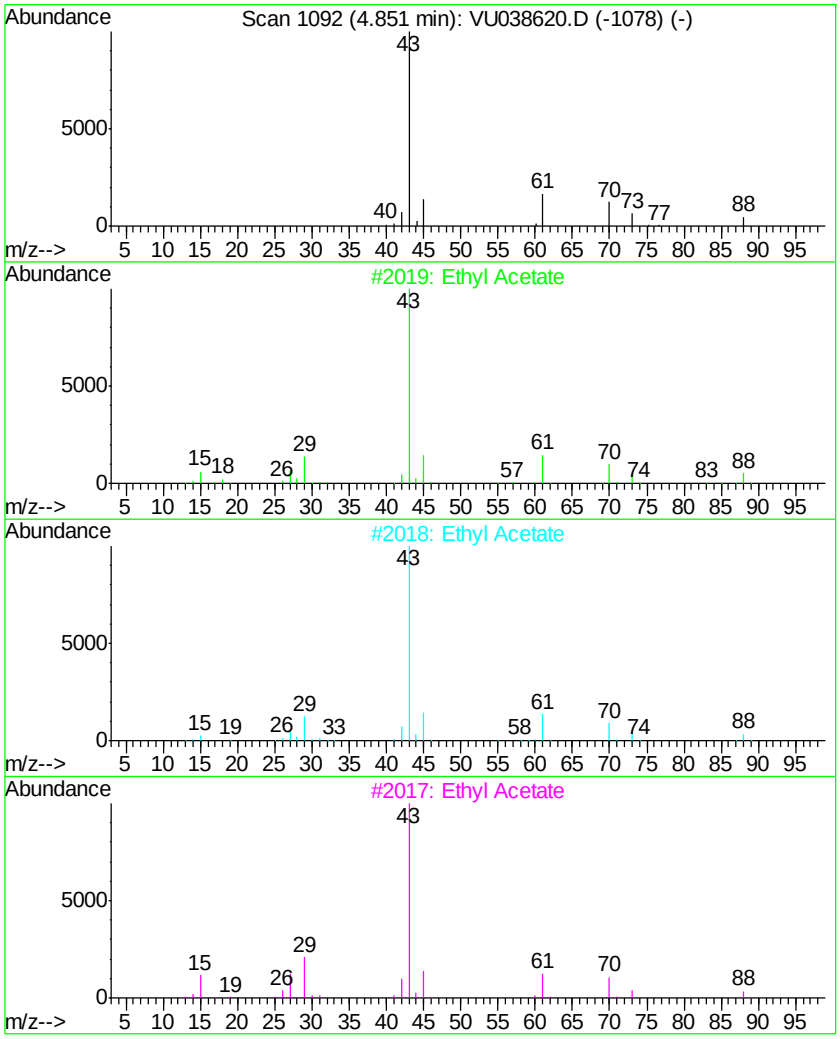
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

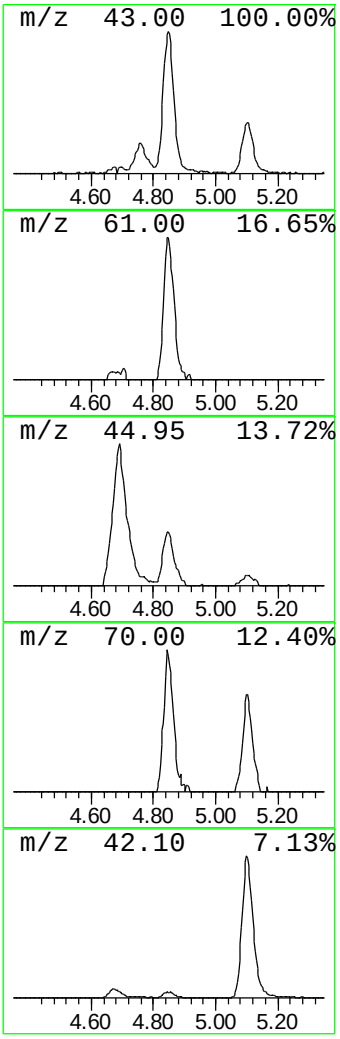
****

Peak Number 2 Ethyl Acetate Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.85	0.61 ug/L	86646	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	83
5	CH3C(O)CH2CH2OH	88	C4H8O2	000590-90-9	38





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060620\
Data File : VU038620.D
Acq On : 06 Jun 2020 16:30
Operator : SY/MD
Sample : L2910-20
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9E77

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

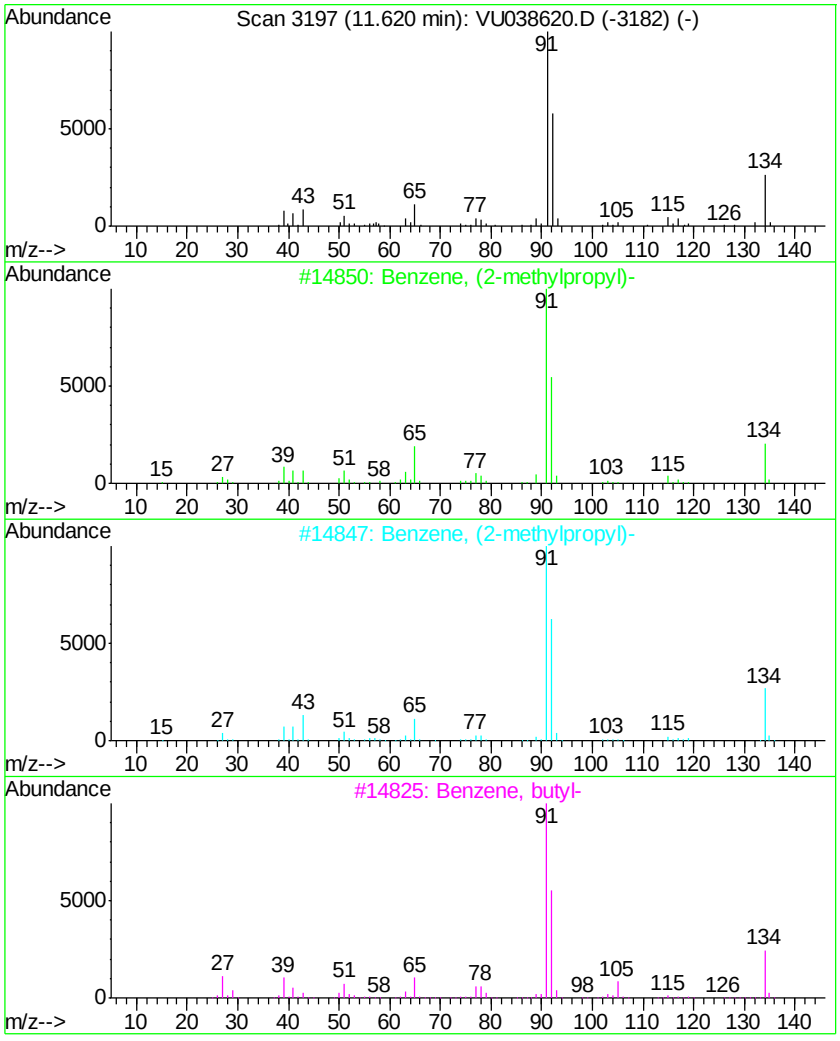
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

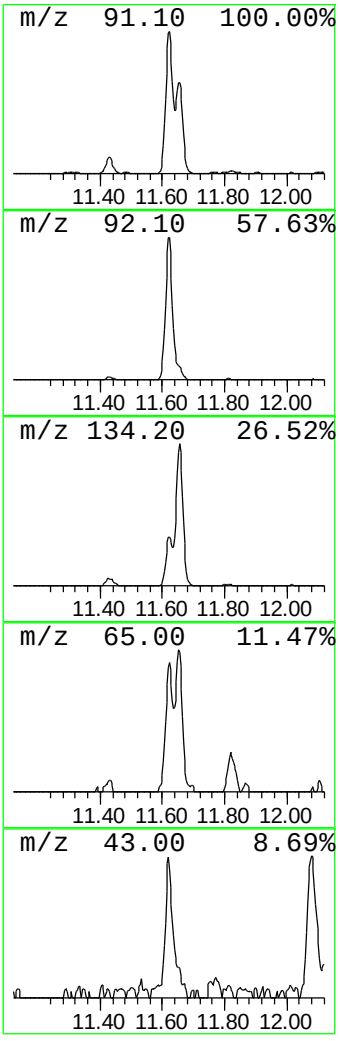
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.62	0.60 ug/L	111564	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	87
3	Benzene, butyl-	134	C10H14	000104-51-8	83
4	Benzene, (2-methylpropyl)-	134	C10H14	000538-93-2	83
5	Benzene, butyl-	134	C10H14	000104-51-8	83





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060620\
Data File : VU038620.D
Acq On : 06 Jun 2020 16:30
Operator : SY/MD
Sample : L2910-20
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9E77

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

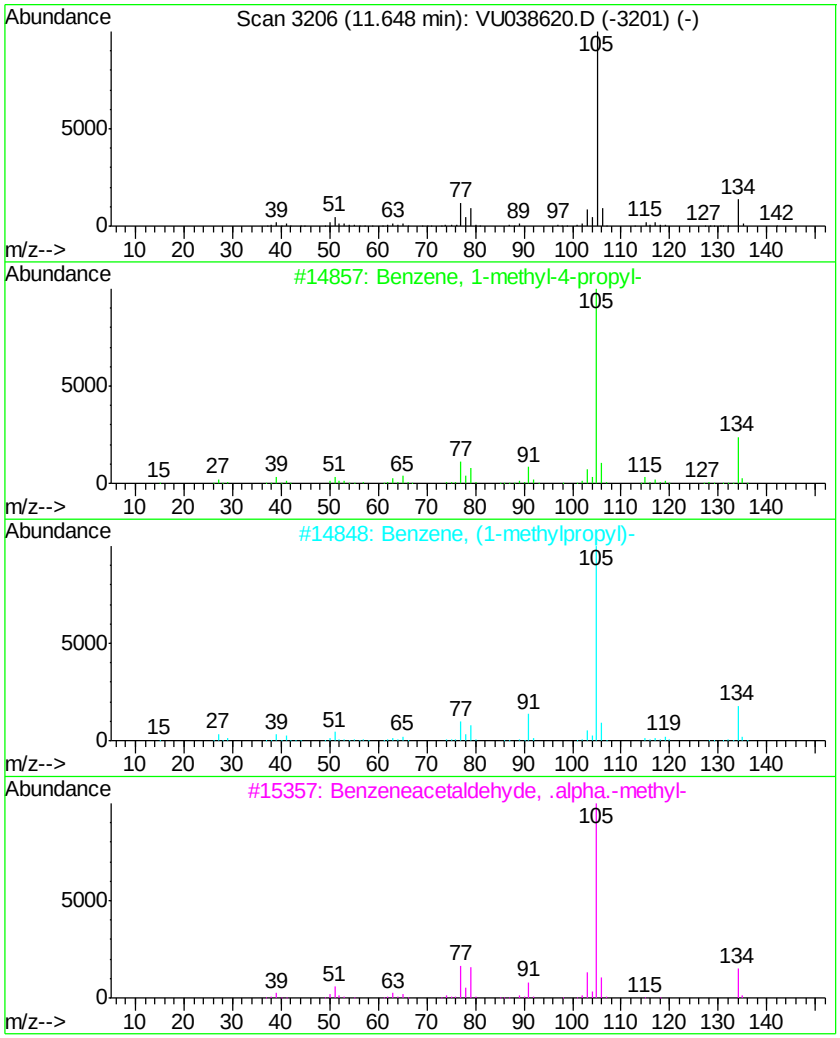
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

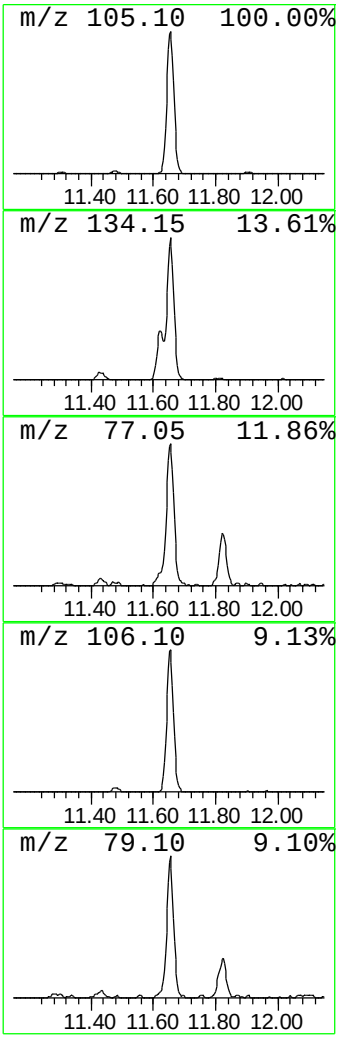
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.65	2.10 ug/L	393338	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	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	91
3	Benzeneacetaldehyde, .alpha.-met...	134	C9H10O	000093-53-8	90
4	Benzeneacetaldehyde, .alpha.-met...	134	C9H10O	000093-53-8	90
5	Oxirane, 2-methyl-2-phenyl-	134	C9H10O	002085-88-3	87





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060620\
Data File : VU038620.D
Acq On : 06 Jun 2020 16:30
Operator : SY/MD
Sample : L2910-20
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9E77

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

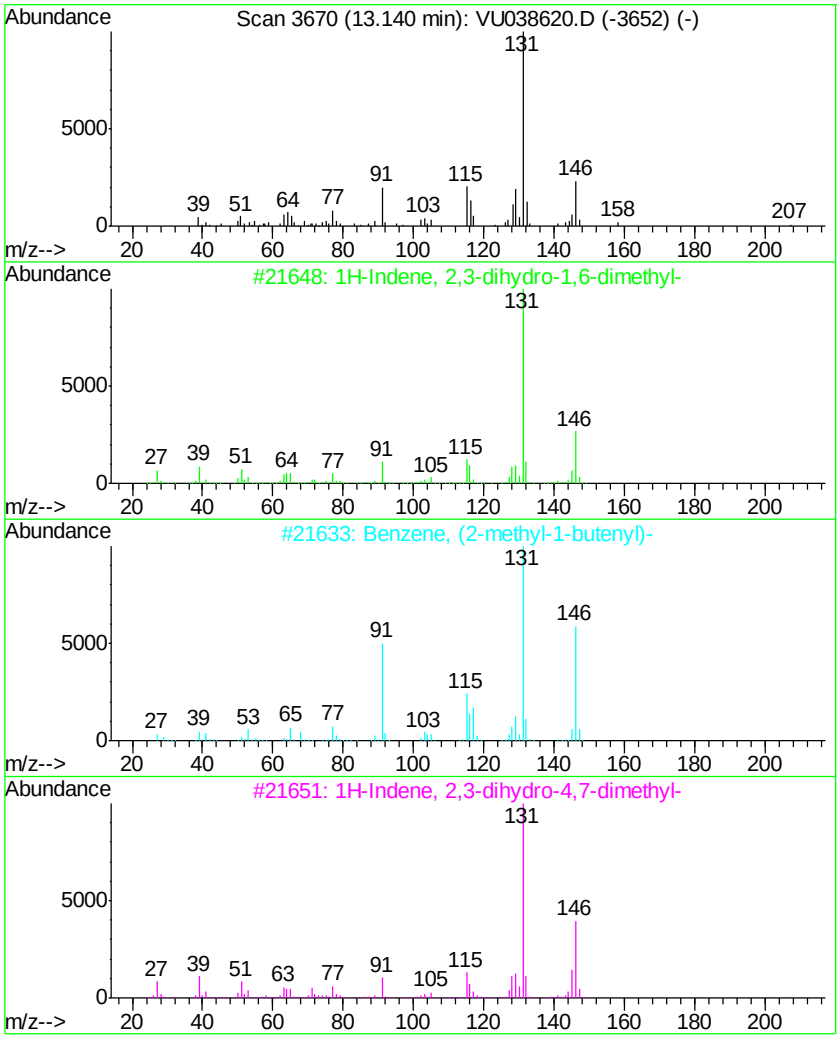
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

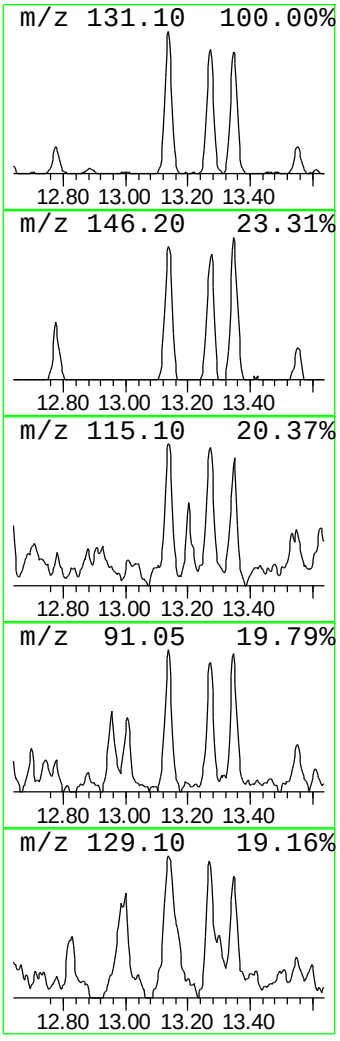
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.14	0.56 ug/L	103738	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	94
2	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	91
3	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	91
4	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	91
5	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	91





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060620\
Data File : VU038620.D
Acq On : 06 Jun 2020 16:30
Operator : SY/MD
Sample : L2910-20
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9E77

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

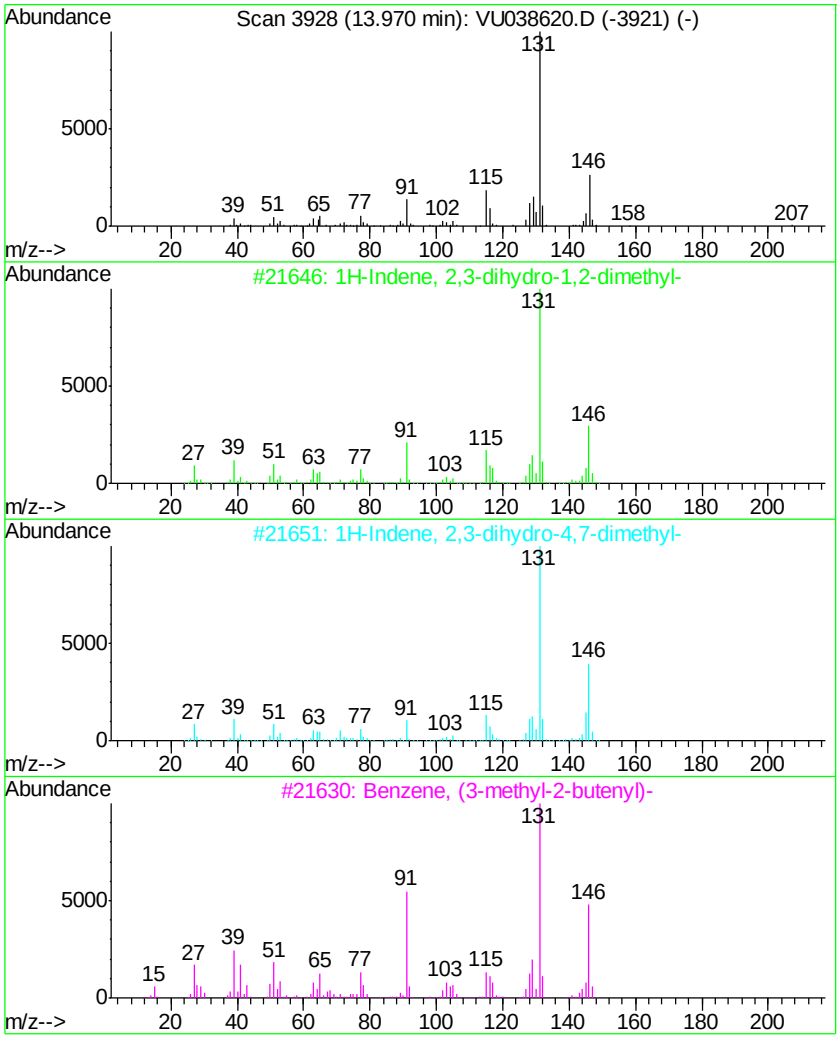
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

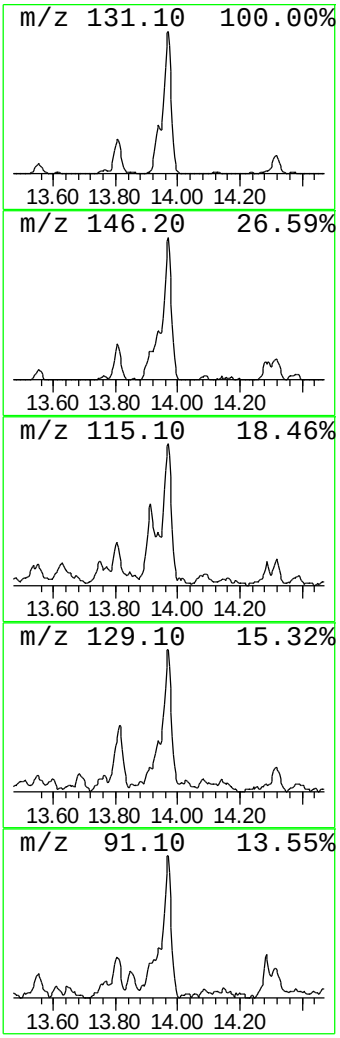
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.97	1.16 ug/L	216126	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	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	94
3	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	91
4	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	91
5	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060620\
Data File : VU038620.D
Acq On : 06 Jun 2020 16:30
Operator : SY/MD
Sample : L2910-20
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9E77

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

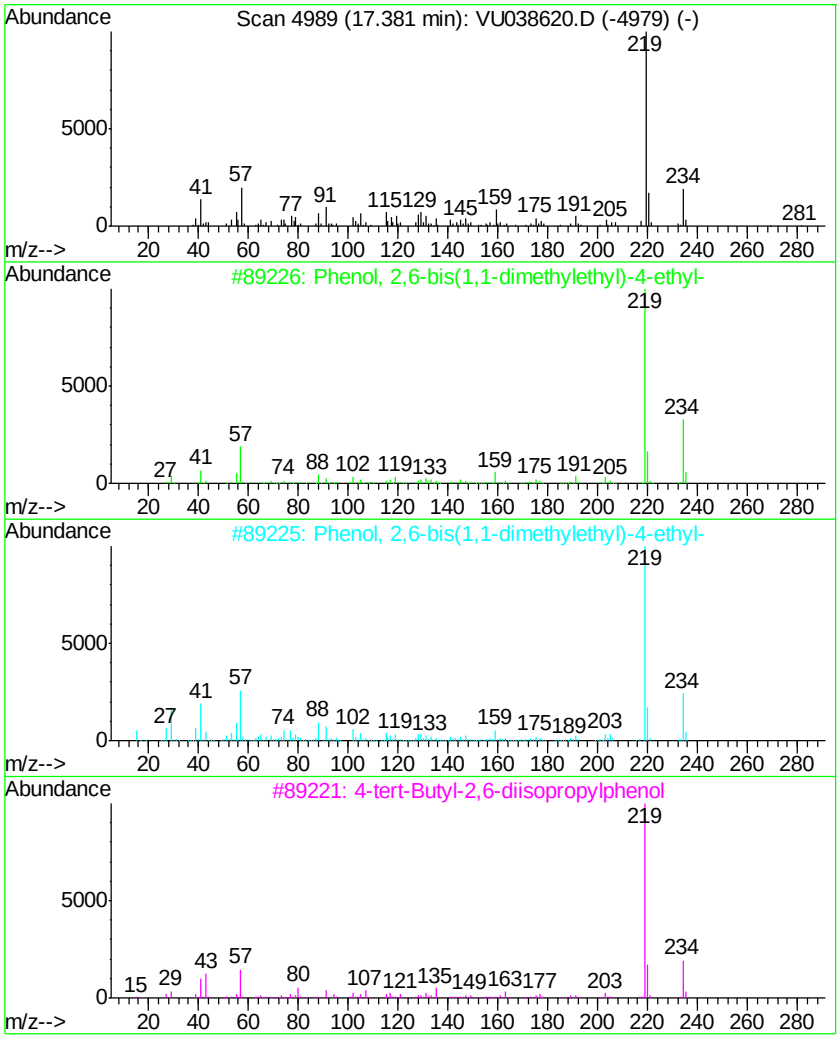
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

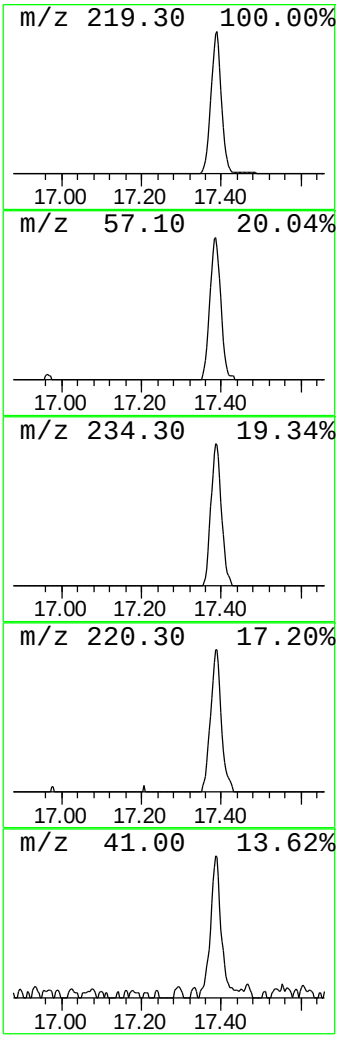
****

Peak Number 8 Phenol, 2,6-bis(1,1-dimethy... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.38	0.78 ug/L	145661	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	90
3	4-tert-Butyl-2,6-diisopropylphenol	234	C16H26O	057354-65-1	87
4	3,5-di-tert-Butyl-4-hydroxybenza...	234	C15H22O2	001620-98-0	87
5	Phenol, 2,6-bis(1,1-dimethylethy...	234	C16H26O	004130-42-1	81





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060620\
Data File : VU038620.D
Acq On : 06 Jun 2020 16:30
Operator : SY/MD
Sample : L2910-20
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9E77

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	1.1	ug/L	161592	1	6.28	706127	5.0
Ethyl Acetate	4.85	0.6	ug/L	86646	1	6.28	706127	5.0
Benzene, (2-methy...	11.62	0.6	ug/L	111564	3	11.82	934552	5.0
Benzene, 1-methyl...	11.65	2.1	ug/L	393338	3	11.82	934552	5.0
1H-Indene, 2,3-di...	13.14	0.6	ug/L	103738	3	11.82	934552	5.0
1H-Indene, 2,3-di...	13.97	1.2	ug/L	216126	3	11.82	934552	5.0
Phenol, 2,6-bis(1...	17.38	0.8	ug/L	145661	3	11.82	934552	5.0