LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060520\
Data File : VU038596.D
Acq On : 06 Jun 2020 02:55
Operator : SY/MD
Sample : L2910-03
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D07

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	20	rVB	120317	117925	8.74%	1.014%
2	1.501	44	50	65	rVB	58317	60749	4.50%	0.522%
3	1.613	75	85	93	rBV	108524	123994	9.19%	1.066%
4	1.716	94	117	120	rBV4	17916	60077	4.45%	0.517%
5	1.932	177	184	193	rVB	82601	102497	7.60%	0.881%
6	2.012	201	209	223	rVB	121270	166909	12.37%	1.435%
7	2.594	377	390	402	rBV	177829	295173	21.88%	2.538%
8	2.675	404	415	435	rVB2	19140	53504	3.97%	0.460%
9	3.170	557	569	582	rVB	45633	85569	6.34%	0.736%
10	4.572	991	1005	1020	rBV5	8190	20529	1.52%	0.177%
11	4.674	1020	1037	1078	rVV	172837	544638	40.38%	4.684%
12	4.848	1078	1091	1115	rVB3	29153	74321	5.51%	0.639%
13	5.102	1153	1170	1197	rBV	288955	680105	50.42%	5.849%
14	5.424	1254	1270	1285	rBV3	29251	66694	4.94%	0.574%
15	5.761	1351	1375	1384	rBV2	351393	935508	69.35%	8.045%
16	6.054	1456	1466	1481	rVB4	12541	23955	1.78%	0.206%
17	6.279	1520	1536	1565	rBV	369498	719791	53.36%	6.190%
18	6.723	1658	1674	1691	rBV	225544	437125	32.41%	3.759%
19	7.591	1930	1944	1961	rBV2	111817	199405	14.78%	1.715%
20	7.922	2033	2047	2060	rBV	411416	723116	53.61%	6.218%
21	7.993	2062	2069	2084	rVB	23466	43878	3.25%	0.377%
22	8.202	2120	2134	2152	rBV	71918	124388	9.22%	1.070%
23	8.655	2259	2275	2315	rBV	731661	1348878	100.00%	11.600%
24	9.436	2505	2518	2538	rBV	533372	900827	66.78%	7.747%
25	9.587	2554	2565	2580	rVB	79877	133211	9.88%	1.146%
26	9.706	2593	2602	2614	rVB2	23426	42533	3.15%	0.366%
27	10.118	2721	2730	2743	rVB2	21000	34714	2.57%	0.299%
28	10.497	2838	2848	2855	rBV3	9549	15869	1.18%	0.136%
29	10.542	2855	2862	2872	rVB4	14245	20536	1.52%	0.177%
30	10.771	2919	2933	2952	rVB	197871	337340	25.01%	2.901%
31	10.915	2968	2978	2989	rBV4	7444	14859	1.10%	0.128%
32	11.301	3088	3098	3106	rBV2	25048	38219	2.83%	0.329%
33	11.423	3121	3136	3144	rBV10	12043	29268	2.17%	0.252%
34	11.478	3145	3153	3163	rVB	23340	35230	2.61%	0.303%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060520\
Data File : VU038596.D
Acq On : 06 Jun 2020 02:55
Operator : SY/MD
Sample : L2910-03
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D07

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	11.623	3182	3198	3201	rBV	34461	56018	4.15%	0.482%
36	11.655	3201	3208	3226	rVB	112253	191649	14.21%	1.648%
37	11.822	3248	3260	3275	rBV	594012	952850	70.64%	8.194%
38	11.906	3279	3286	3293	rVB2	16292	23378	1.73%	0.201%
39	12.079	3329	3340	3344	rBV3	26917	48038	3.56%	0.413%
40	12.205	3367	3379	3397	rVB	474638	795163	58.95%	6.838%
41	12.591	3491	3499	3504	rBV	20066	28998	2.15%	0.249%
42	12.626	3505	3510	3524	rVB3	20542	29884	2.22%	0.257%
43	12.697	3524	3532	3541	rBV6	9535	17849	1.32%	0.153%
44	13.002	3622	3627	3635	rVB9	9991	14669	1.09%	0.126%
45	13.137	3659	3669	3677	rBV3	26676	43457	3.22%	0.374%
46	13.269	3703	3710	3719	rBV2	19193	27525	2.04%	0.237%
47	13.346	3728	3734	3743	rVB2	20736	30635	2.27%	0.263%
48	13.475	3765	3774	3779	rBV8	9019	14518	1.08%	0.125%
49	13.549	3790	3797	3804	rBV7	10079	16290	1.21%	0.140%
50	13.652	3823	3829	3842	rVB9	9101	17162	1.27%	0.148%
51	13.758	3851	3862	3869	rBV9	9737	19918	1.48%	0.171%
52	13.809	3870	3878	3885	rVB5	18057	26259	1.95%	0.226%
53	13.912	3900	3910	3912	rBV4	17113	22543	1.67%	0.194%
54	13.967	3921	3927	3939	rVB2	64776	102829	7.62%	0.884%
55	14.234	4000	4010	4017	rBV2	12426	20165	1.49%	0.173%
56	14.314	4030	4035	4045	rVB3	12568	20523	1.52%	0.176%
57	14.468	4074	4083	4093	rBV9	10687	16760	1.24%	0.144%
58	14.549	4100	4108	4118	rVB4	22424	35063	2.60%	0.302%
59	14.918	4214	4223	4233	rVB9	17562	30081	2.23%	0.259%
60	15.465	4380	4393	4403	rBV7	11249	24458	1.81%	0.210%
61	16.147	4594	4605	4613	rBV3	20818	34756	2.58%	0.299%
62	16.449	4689	4699	4711	rBV3	30521	51471	3.82%	0.443%
63	17.385	4978	4990	5005	rBV	161974	304457	22.57%	2.618%

Sum of corrected areas: 11628700

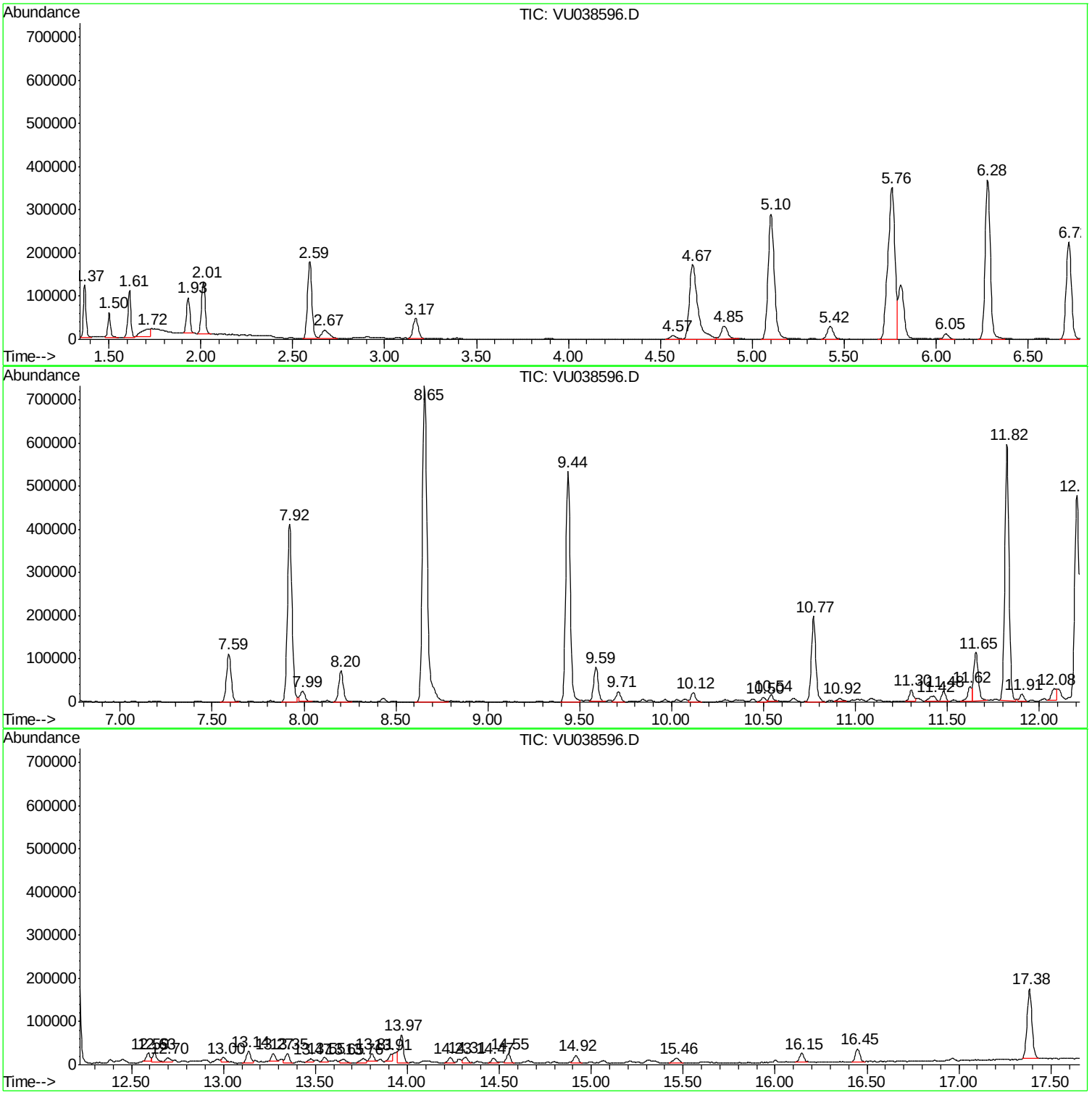
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060520\
Data File : VU038596.D
Acq On : 06 Jun 2020 02:55
Operator : SY/MD
Sample : L2910-03
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D07

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 : VU038596.D
Acq On : 06 Jun 2020 02:55
Operator : SY/MD
Sample : L2910-03
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D07

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

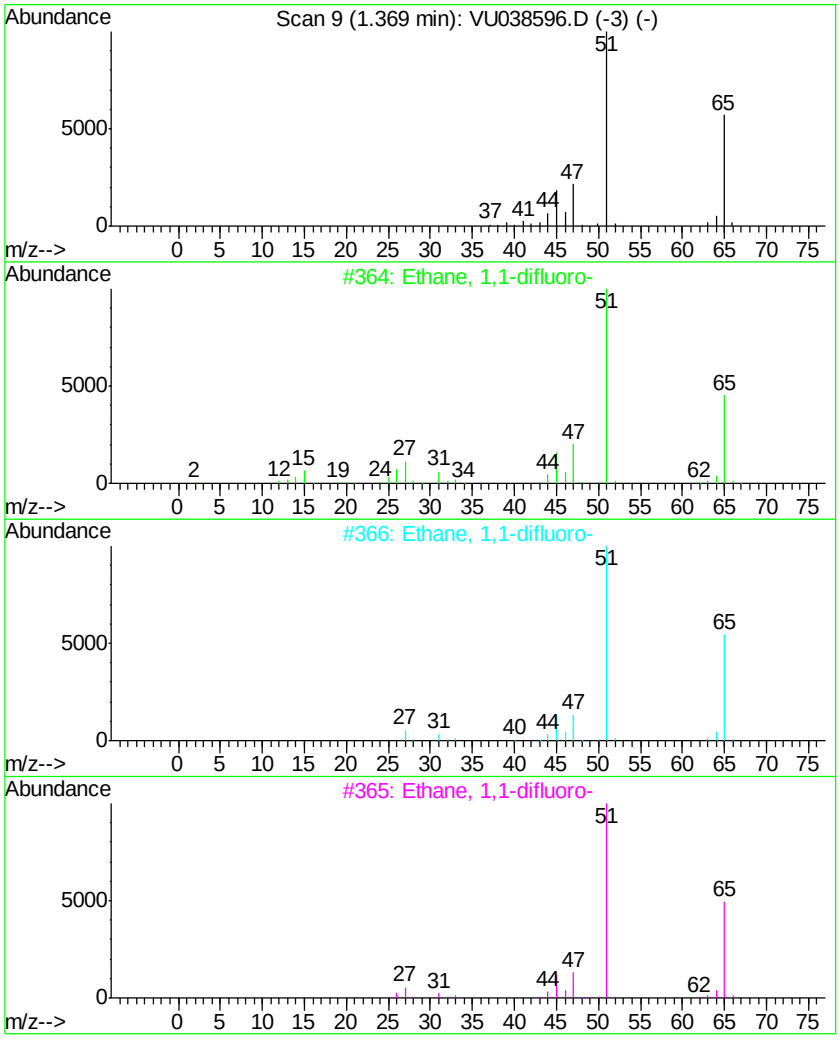
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

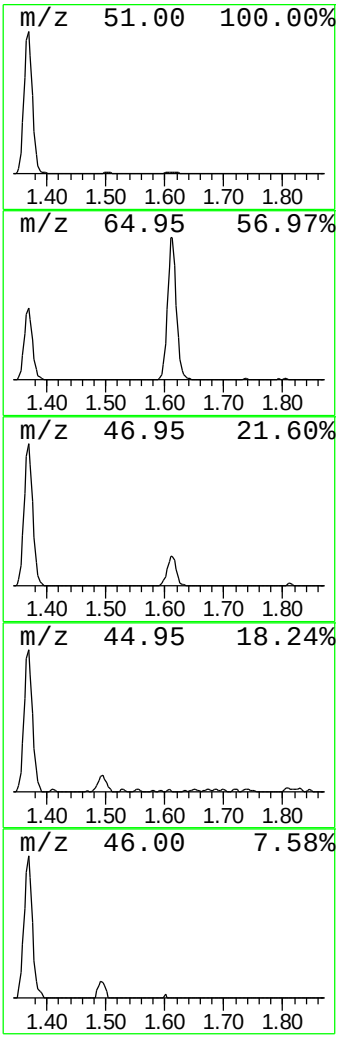
****

Peak Number 1 Ethane, 1,1-difluoro- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.37	0.82 ug/L	117925	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	30
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 : VU038596.D
Acq On : 06 Jun 2020 02:55
Operator : SY/MD
Sample : L2910-03
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D07

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

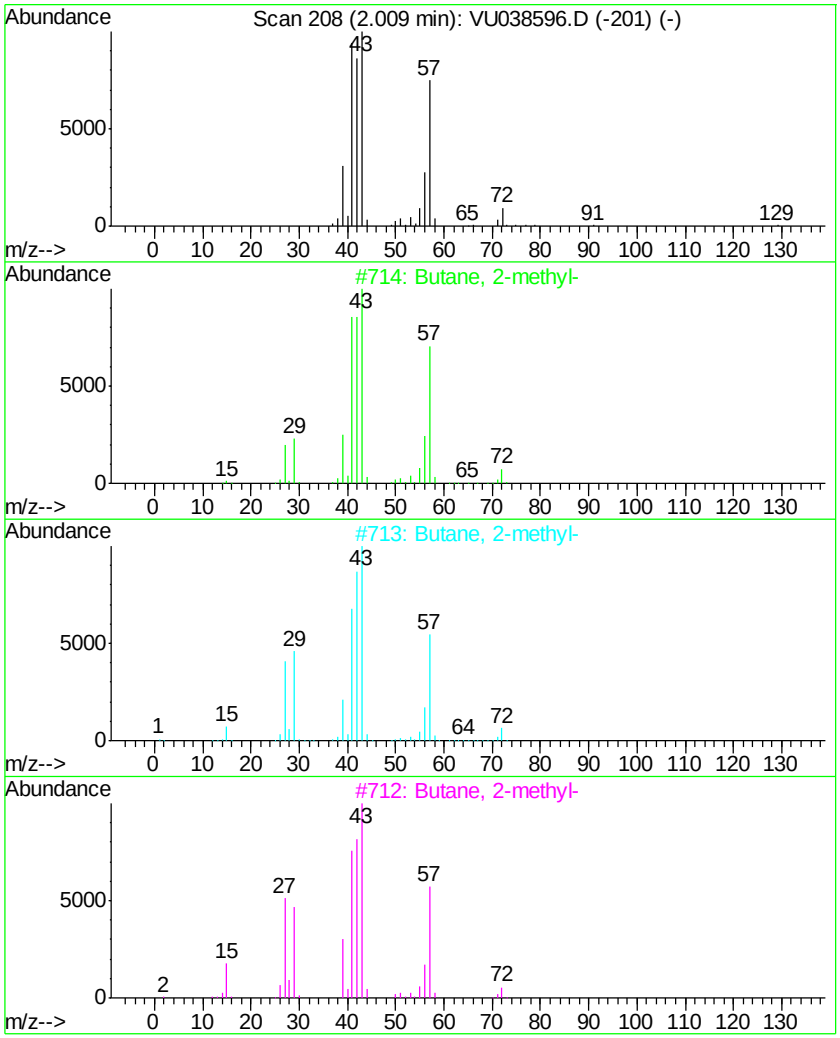
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

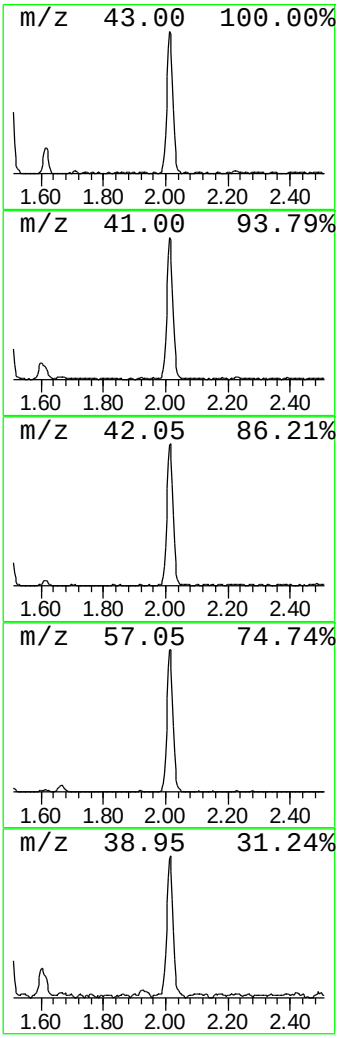
****

Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.01	1.16 ug/L	166909	1,4-Difluorobenzene	6.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methyl-	72	C5H12	000078-78-4	94
2	Butane, 2-methyl-	72	C5H12	000078-78-4	86
3	Butane, 2-methyl-	72	C5H12	000078-78-4	86
4	3-Buten-1-ol	72	C4H8O	000627-27-0	43
5	Butane, 1-chloro-2-methyl-	106	C5H11Cl	000616-13-7	35





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060520\
Data File : VU038596.D
Acq On : 06 Jun 2020 02:55
Operator : SY/MD
Sample : L2910-03
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D07

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

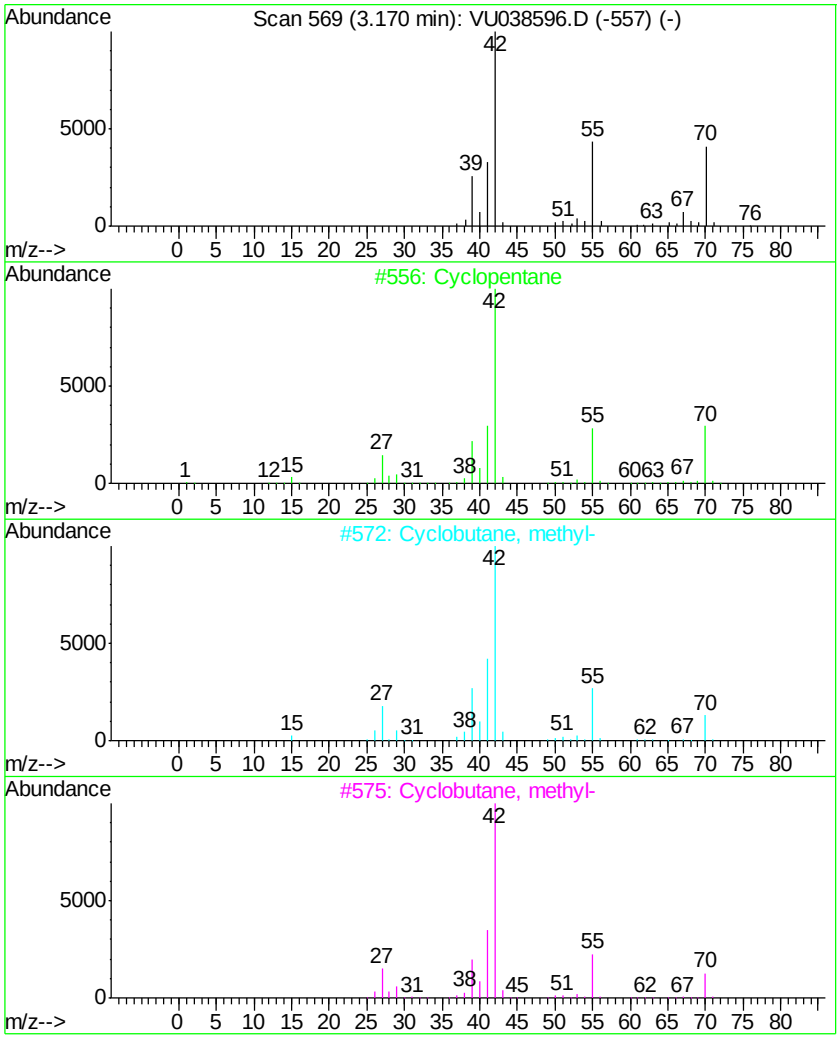
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

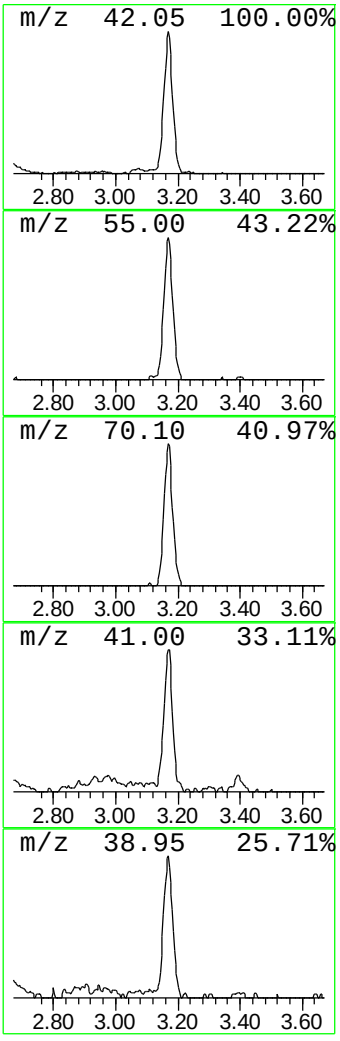
****

Peak Number 3 (DEL) Alkane: Cyclic3.17 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.17	0.59 ug/L	85569	1,4-Difluorobenzene	6.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane	70	C5H10	000287-92-3	90
2	Cyclobutane, methyl-	70	C5H10	000598-61-8	86
3	Cyclobutane, methyl-	70	C5H10	000598-61-8	86
4	Cyclopentane	70	C5H10	000287-92-3	78
5	1-Pentene	70	C5H10	000109-67-1	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060520\
Data File : VU038596.D
Acq On : 06 Jun 2020 02:55
Operator : SY/MD
Sample : L2910-03
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D07

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

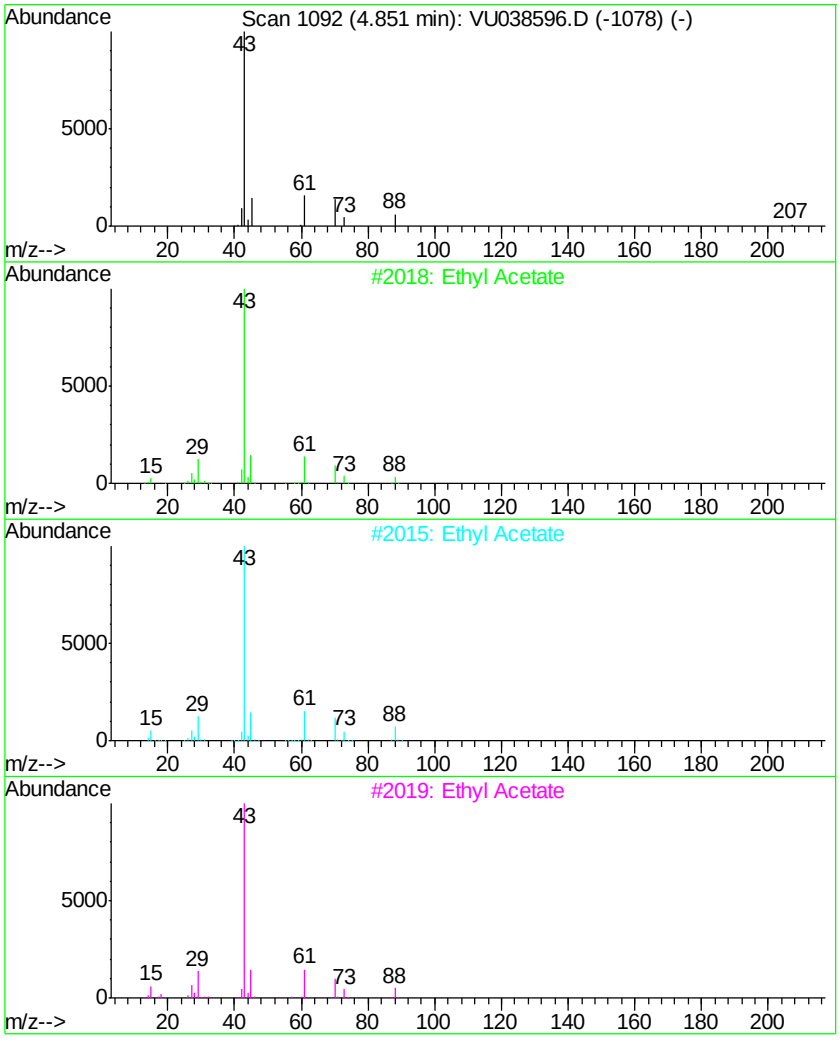
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

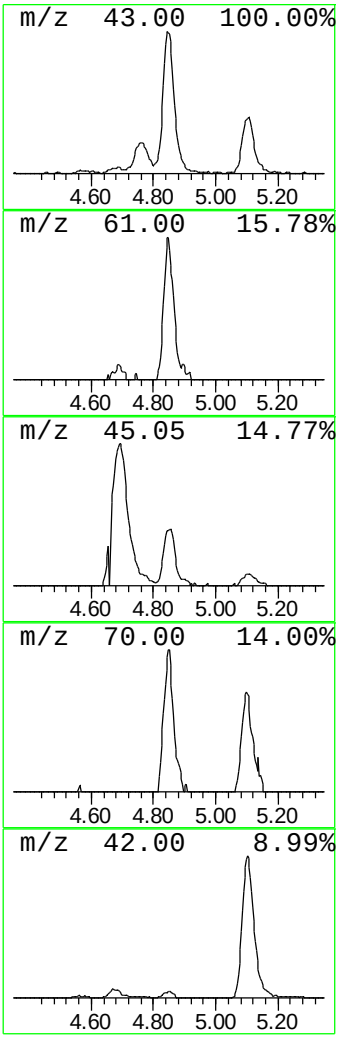
****

Peak Number 4 Ethyl Acetate Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.85	0.52 ug/L	74321	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	CH3C(O)CH2CH2OH	88	C4H8O2	000590-90-9	72





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060520\
Data File : VU038596.D
Acq On : 06 Jun 2020 02:55
Operator : SY/MD
Sample : L2910-03
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D07

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

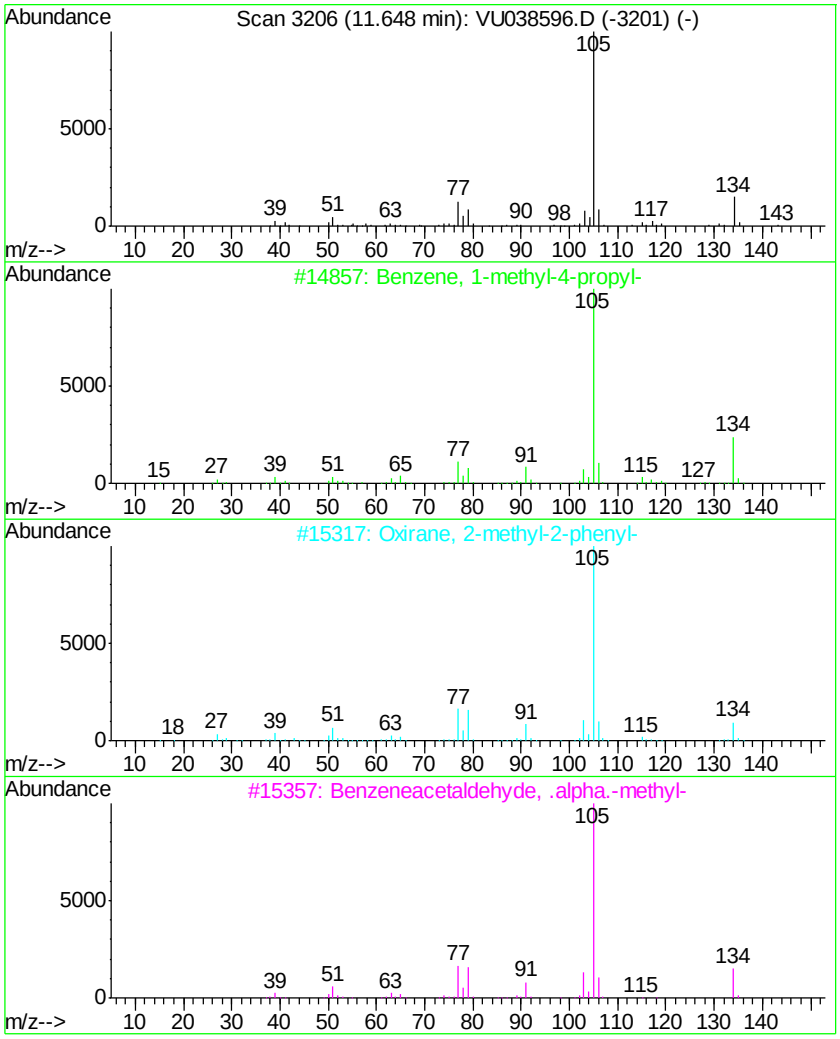
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

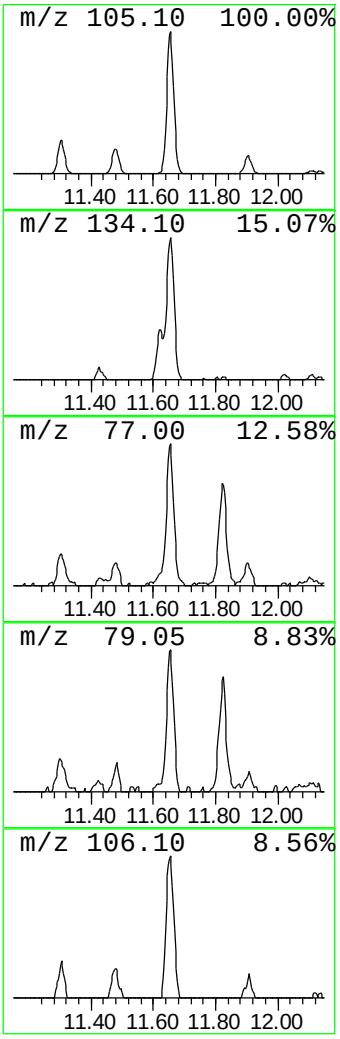
****

Peak Number 6 Benzene, 1-methyl-4-propyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.65	1.01 ug/L	191649	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	87
2	Oxirane, 2-methyl-2-phenyl-	134	C9H10O	002085-88-3	87
3	Benzeneacetaldehyde, .alpha.-met...	134	C9H10O	000093-53-8	86
4	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	74
5	Benzeneacetaldehyde, 4-methyl-	134	C9H10O	000104-09-6	72





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060520\
Data File : VU038596.D
Acq On : 06 Jun 2020 02:55
Operator : SY/MD
Sample : L2910-03
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D07

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

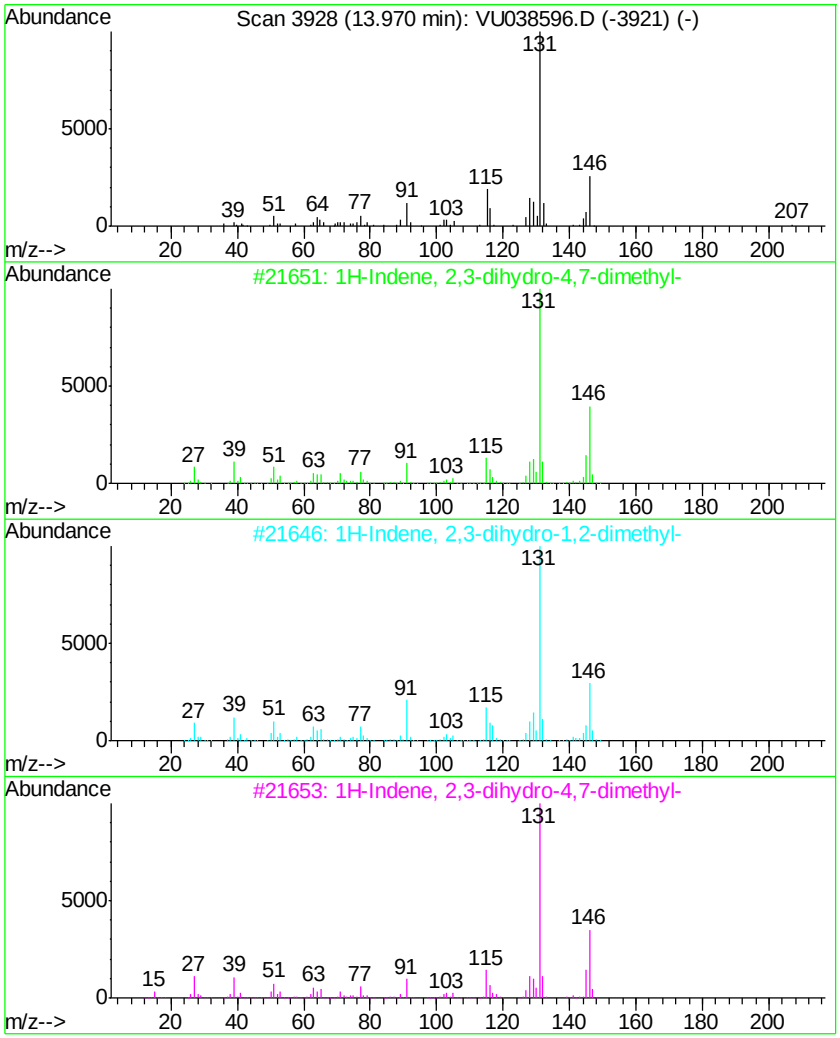
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

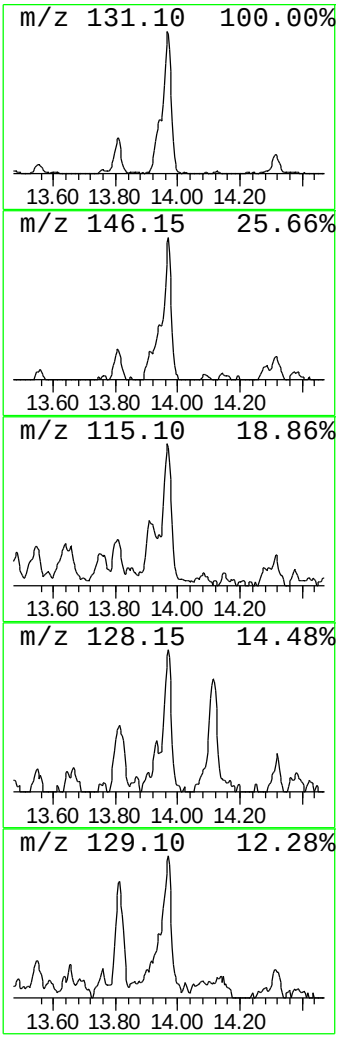
****

Peak Number 7 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.97	0.54 ug/L	102829	1,4-Dichlorobenzene-d4	11.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	94
2	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	94
3	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	91
4	Benzene, 1-methyl-4-(1-methyl-2-...	146	C11H14	097664-18-1	91
5	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060520\
Data File : VU038596.D
Acq On : 06 Jun 2020 02:55
Operator : SY/MD
Sample : L2910-03
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D07

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

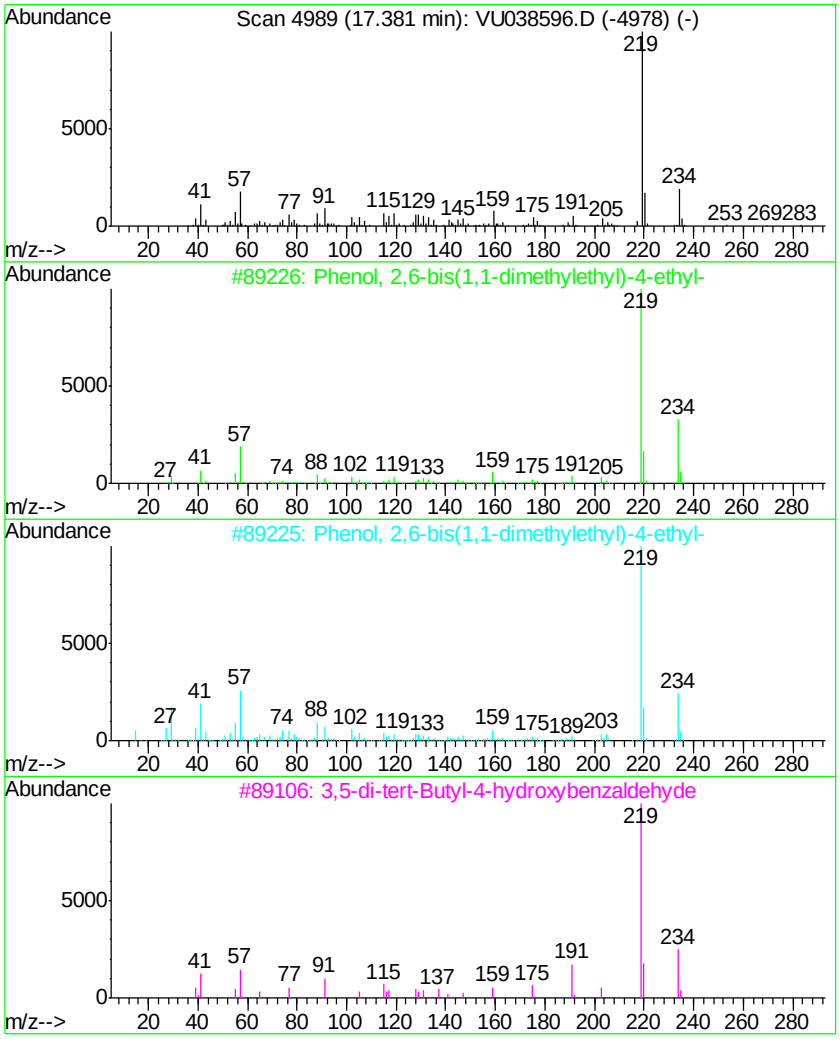
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

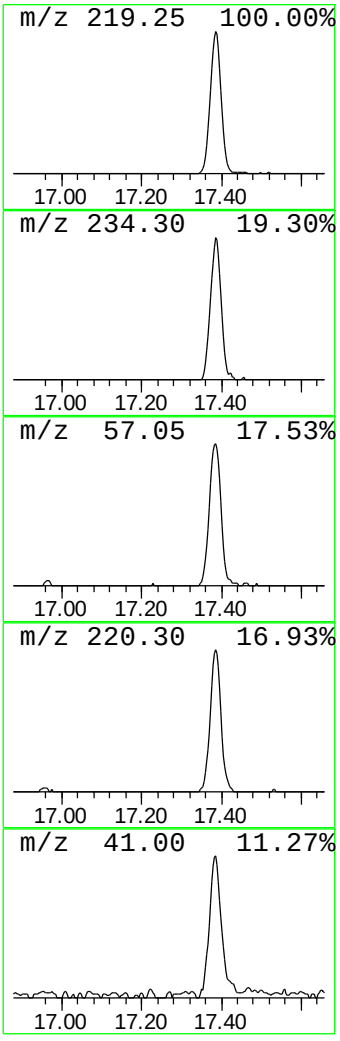
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.38	1.60 ug/L	304457	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	96
2	Phenol, 2,6-bis(1,1-dimethylethy...	234	C16H26O	004130-42-1	94
3	3,5-di-tert-Butyl-4-hydroxybenza...	234	C15H22O2	001620-98-0	94
4	Phenol, 2,6-bis(1,1-dimethylethy...	234	C16H26O	004130-42-1	93
5	3,5-di-tert-Butyl-4-hydroxybenza...	234	C15H22O2	001620-98-0	93





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060520\
Data File : VU038596.D
Acq On : 06 Jun 2020 02:55
Operator : SY/MD
Sample : L2910-03
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D07

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	0.8	ug/L	117925	1	6.28	719791	5.0
(DEL) Alkane: Str...	2.01	1.2	ug/L	166909	1	6.28	719791	5.0
(DEL) Alkane: Cyc...	3.17	0.6	ug/L	85569	1	6.28	719791	5.0
Ethyl Acetate	4.85	0.5	ug/L	74321	1	6.28	719791	5.0
Benzene, 1-methyl...	11.65	1.0	ug/L	191649	3	11.82	952850	5.0
1H-Indene, 2,3-di...	13.97	0.5	ug/L	102829	3	11.82	952850	5.0
Phenol, 2,6-bis(1...	17.38	1.6	ug/L	304457	3	11.82	952850	5.0