LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060420\
Data File : VU038559.D
Acq On : 04 Jun 2020 19:10
Operator : SY/MD
Sample : L2860-02
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D22

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	19	rVB	178216	173867	12.95%	1.156%
2	1.610	56	84	92	rBV	117756	183890	13.70%	1.223%
3	1.932	176	184	198	rVB	88269	117064	8.72%	0.778%
4	2.594	375	390	406	rBV	190573	328452	24.47%	2.184%
5	2.668	406	413	429	rVB4	6814	17516	1.30%	0.116%
6	3.073	532	539	550	rVB7	8086	16174	1.20%	0.108%
7	4.674	1019	1037	1077	rBV	175807	523682	39.01%	3.482%
8	4.845	1077	1090	1112	rVB	73906	172247	12.83%	1.145%
9	5.102	1154	1170	1188	rBV	183080	400989	29.87%	2.666%
10	5.423	1258	1270	1286	rBV3	19989	44654	3.33%	0.297%
11	5.671	1332	1347	1357	rBV3	45598	101727	7.58%	0.676%
12	5.758	1357	1374	1390	rBV2	350954	903693	67.32%	6.008%
13	6.054	1455	1466	1480	rVB2	18848	39006	2.91%	0.259%
14	6.279	1517	1536	1561	rBV	348972	676273	50.38%	4.496%
15	6.584	1615	1631	1644	rBV	7480	18552	1.38%	0.123%
16	6.722	1658	1674	1701	rBV	226381	464490	34.60%	3.088%
17	7.102	1777	1792	1801	rBV4	10012	19058	1.42%	0.127%
18	7.259	1831	1841	1858	rVB7	14458	27197	2.03%	0.181%
19	7.591	1928	1944	1971	rBV	122184	234102	17.44%	1.556%
20	7.819	2007	2015	2027	rVB2	7957	14701	1.10%	0.098%
21	7.922	2027	2047	2079	rBV	426576	812948	60.56%	5.405%
22	8.063	2079	2091	2098	rVV2	20750	39270	2.93%	0.261%
23	8.121	2098	2109	2120	rVB8	13499	33801	2.52%	0.225%
24	8.201	2120	2134	2144	rBV	76800	133461	9.94%	0.887%
25	8.266	2144	2154	2171	rVB5	30531	65106	4.85%	0.433%
26	8.430	2196	2205	2216	rVB3	55614	89579	6.67%	0.596%
27	8.655	2259	2275	2307	rBV	716205	1342431	100.00%	8.925%
28	8.819	2316	2326	2345	rVB	16094	42625	3.18%	0.283%
29	8.944	2360	2365	2383	rVB7	7765	15164	1.13%	0.101%
30	9.092	2398	2411	2422	rBV6	8024	15791	1.18%	0.105%
31	9.282	2457	2470	2479	rBV3	10627	19822	1.48%	0.132%
32	9.436	2505	2518	2541	rBV	506452	880942	65.62%	5.857%
33	9.545	2542	2552	2564	rVB5	32479	59587	4.44%	0.396%
34	9.706	2579	2602	2616	rVB4	27456	84837	6.32%	0.564%

LSC Area Percent Report

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Acq On : 04 Jun 2020 19:10
Operator : SY/MD
Sample : L2860-02
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D22

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	9.844	2633	2645	2652	rBV3	41050	73611	5.48%	0.489%
36	9.886	2652	2658	2669	rVB3	30751	54769	4.08%	0.364%
37	10.070	2707	2715	2727	rVB	38542	66958	4.99%	0.445%
38	10.291	2773	2784	2793	rBV6	27688	50457	3.76%	0.335%
39	10.352	2794	2803	2804	rVV	15697	17565	1.31%	0.117%
40	10.381	2805	2812	2822	rVV3	38208	66251	4.94%	0.440%
41	10.439	2822	2830	2839	rVV2	40713	63989	4.77%	0.425%
42	10.497	2839	2848	2855	rVV	86064	131754	9.81%	0.876%
43	10.539	2855	2861	2871	rVB	47981	72050	5.37%	0.479%
44	10.661	2891	2899	2908	rVB10	12275	20862	1.55%	0.139%
45	10.770	2916	2933	2953	rBV	201038	406895	30.31%	2.705%
46	10.857	2953	2960	2968	rVV3	17806	26894	2.00%	0.179%
47	10.906	2968	2975	2981	rVV4	16167	24540	1.83%	0.163%
48	10.954	2983	2990	3006	rVB4	15685	35920	2.68%	0.239%
49	11.079	3019	3029	3037	rBV5	10623	15896	1.18%	0.106%
50	11.333	3102	3108	3120	rVB6	17848	31156	2.32%	0.207%
51	11.426	3120	3137	3149	rBV8	33162	78464	5.84%	0.522%
52	11.532	3163	3170	3181	rVB9	10200	17702	1.32%	0.118%
53	11.623	3182	3198	3199	rBV2	69224	99402	7.40%	0.661%
54	11.655	3200	3208	3228	rVB	396794	671018	49.99%	4.461%
55	11.822	3248	3260	3273	rBV	575746	935430	69.68%	6.219%
56	11.957	3294	3302	3310	rBV3	14972	23315	1.74%	0.155%
57	12.021	3312	3322	3330	rVV3	28692	50124	3.73%	0.333%
58	12.105	3330	3348	3358	rVV3	182181	354758	26.43%	2.359%
59	12.204	3358	3379	3406	rVB	513796	964449	71.84%	6.412%
60	12.333	3410	3419	3426	rBV6	11831	23187	1.73%	0.154%
61	12.385	3428	3435	3441	rBV6	17134	26108	1.94%	0.174%
62	12.452	3452	3456	3476	rVB4	34124	71946	5.36%	0.478%
63	12.590	3476	3499	3503	rBV	83873	161535	12.03%	1.074%
64	12.622	3503	3509	3525	rVV	186230	303192	22.59%	2.016%
65	12.696	3526	3532	3542	rVV2	19368	35494	2.64%	0.236%
66	12.770	3550	3555	3566	rVB5	25138	36301	2.70%	0.241%
67	12.828	3567	3573	3576	rBV6	14316	17815	1.33%	0.118%
68	12.954	3605	3612	3619	rBV6	15050	29279	2.18%	0.195%
69	13.137	3660	3669	3677	rBV3	47662	85011	6.33%	0.565%
70	13.269	3695	3710	3718	rBV4	36144	80467	5.99%	0.535%
71	13.349	3730	3735	3744	rVB2	38821	55395	4.13%	0.368%

LSC Area Percent Report

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Acq On : 04 Jun 2020 19:10
Operator : SY/MD
Sample : L2860-02
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D22

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

72	13.545	3788	3796	3808	rVB3	63956	104989	7.82%	0.698%
73	13.651	3823	3829	3846	rVB4	30401	60408	4.50%	0.402%
74	13.764	3846	3864	3869	rBV4	25988	63639	4.74%	0.423%
75	13.812	3871	3879	3886	rVV4	54063	101254	7.54%	0.673%
76	13.848	3887	3890	3901	rVV3	21938	39324	2.93%	0.261%
77	13.938	3902	3918	3920	rVV6	57714	129669	9.66%	0.862%
78	13.966	3921	3927	3938	rVB2	148486	242752	18.08%	1.614%
79	14.233	4002	4010	4019	rVB3	30009	49159	3.66%	0.327%
80	14.317	4030	4036	4048	rVB3	27080	43812	3.26%	0.291%
81	14.471	4076	4084	4092	rBV6	18291	27607	2.06%	0.184%
82	14.548	4101	4108	4119	rVB2	36414	59526	4.43%	0.396%
83	14.658	4137	4142	4156	rVB10	12373	25165	1.87%	0.167%
84	14.912	4213	4221	4235	rVB2	45273	85534	6.37%	0.569%
85	14.989	4235	4245	4258	rBV2	9488	22038	1.64%	0.147%
86	15.066	4261	4269	4280	rVB2	14530	26045	1.94%	0.173%
87	15.208	4300	4313	4323	rBV	81611	137113	10.21%	0.912%
88	15.314	4337	4346	4354	rBV10	12630	24480	1.82%	0.163%
89	15.465	4380	4393	4405	rBV3	61325	114471	8.53%	0.761%
90	16.166	4601	4611	4622	rVB5	7921	14022	1.04%	0.093%
91	16.449	4686	4699	4712	rBV2	35262	63013	4.69%	0.419%
92	17.384	4979	4990	5003	rBV	113502	214071	15.95%	1.423%

Sum of corrected areas: 15040748

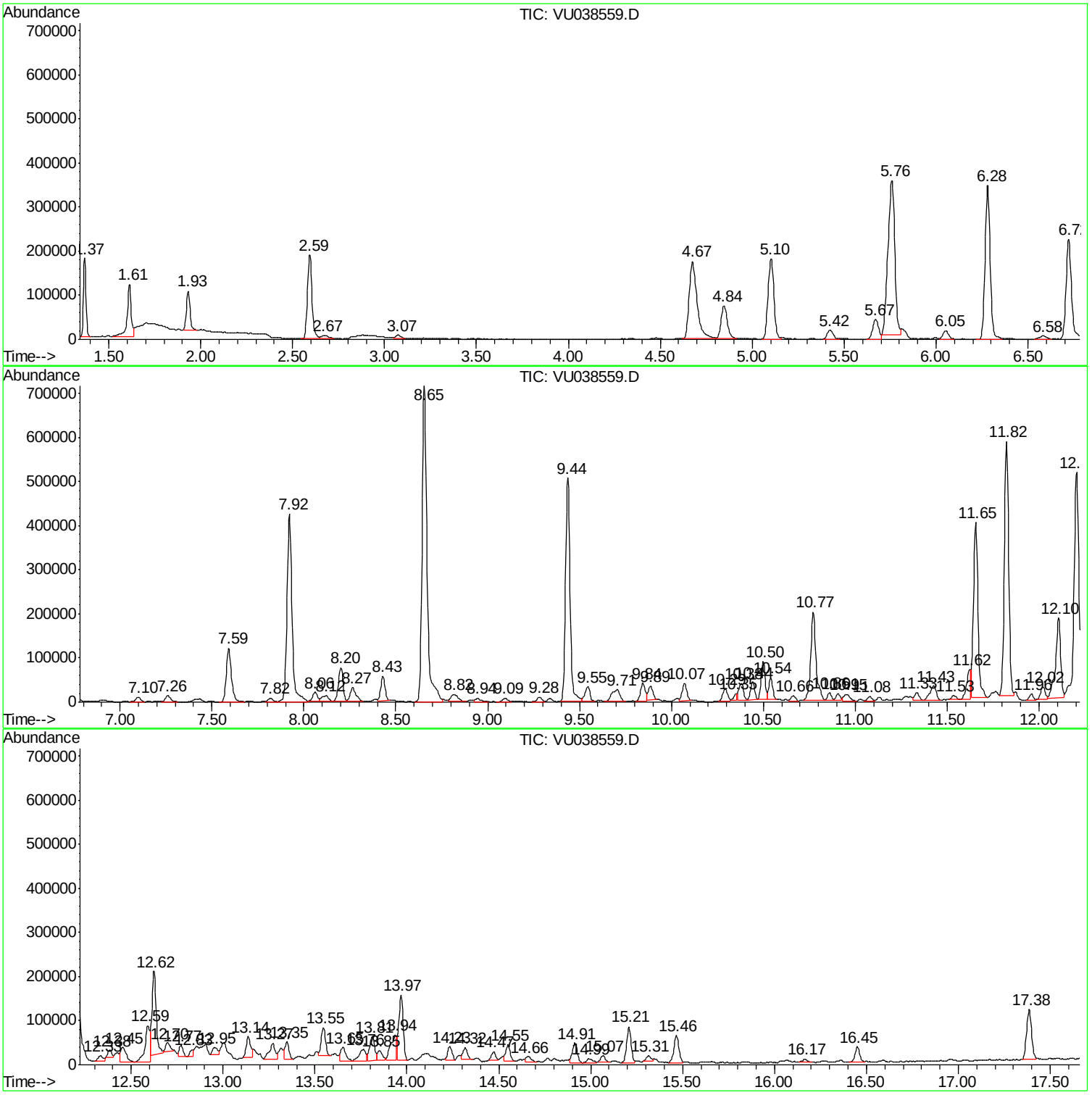
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060420\
Data File : VU038559.D
Acq On : 04 Jun 2020 19:10
Operator : SY/MD
Sample : L2860-02
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D22

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060420\
Data File : VU038559.D
Acq On : 04 Jun 2020 19:10
Operator : SY/MD
Sample : L2860-02
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

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Quant Title : TRACE VOA SOM01.0

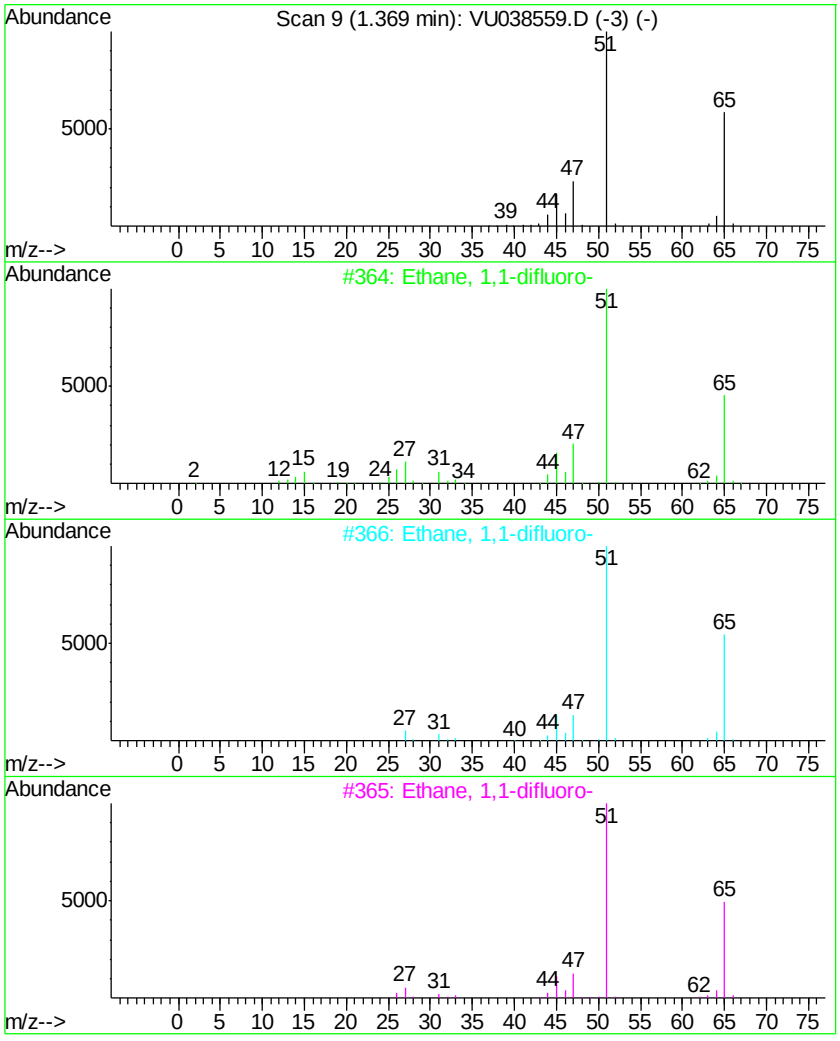
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

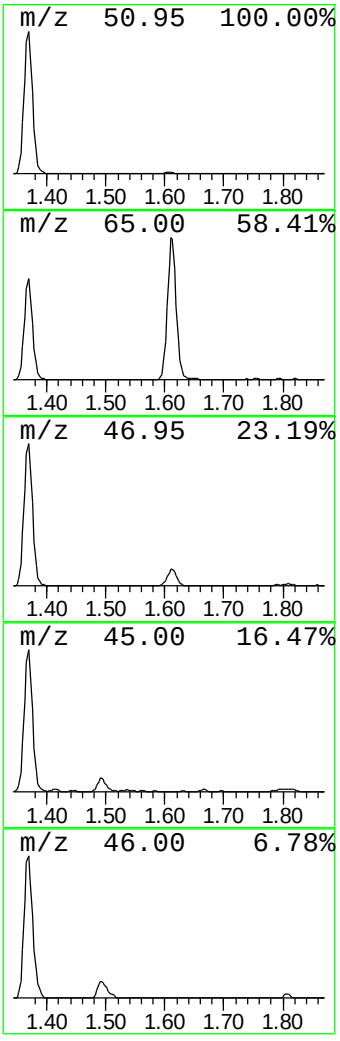
****

Peak Number 1 Ethane, 1,1-difluoro- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.37	1.29 ug/L	173867	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\VU060420\
Data File : VU038559.D
Acq On : 04 Jun 2020 19:10
Operator : SY/MD
Sample : L2860-02
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D22

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

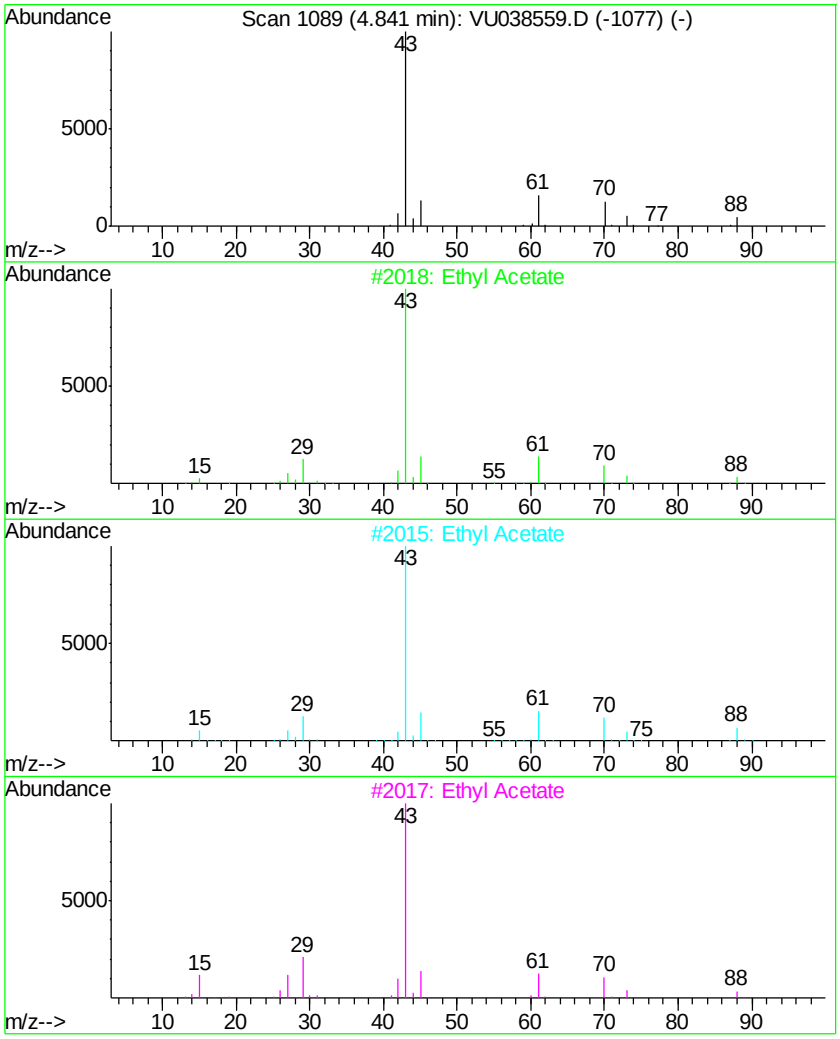
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

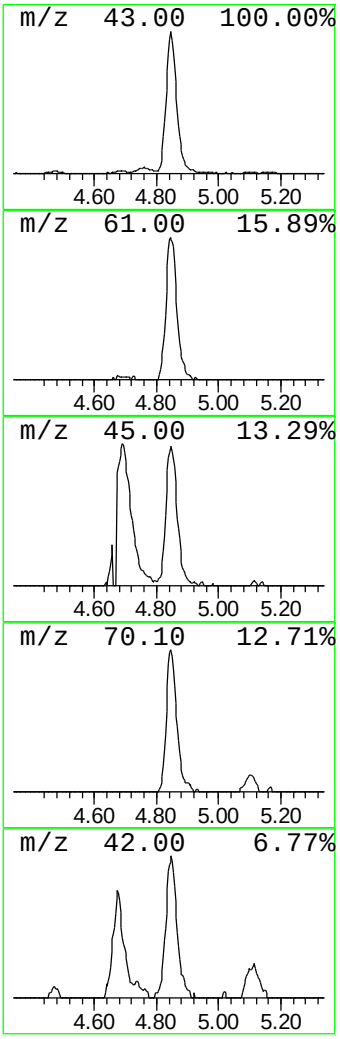
****

Peak Number 2 Ethyl Acetate Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.84	1.27 ug/L	172247	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	40





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060420\
Data File : VU038559.D
Acq On : 04 Jun 2020 19:10
Operator : SY/MD
Sample : L2860-02
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ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D22

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

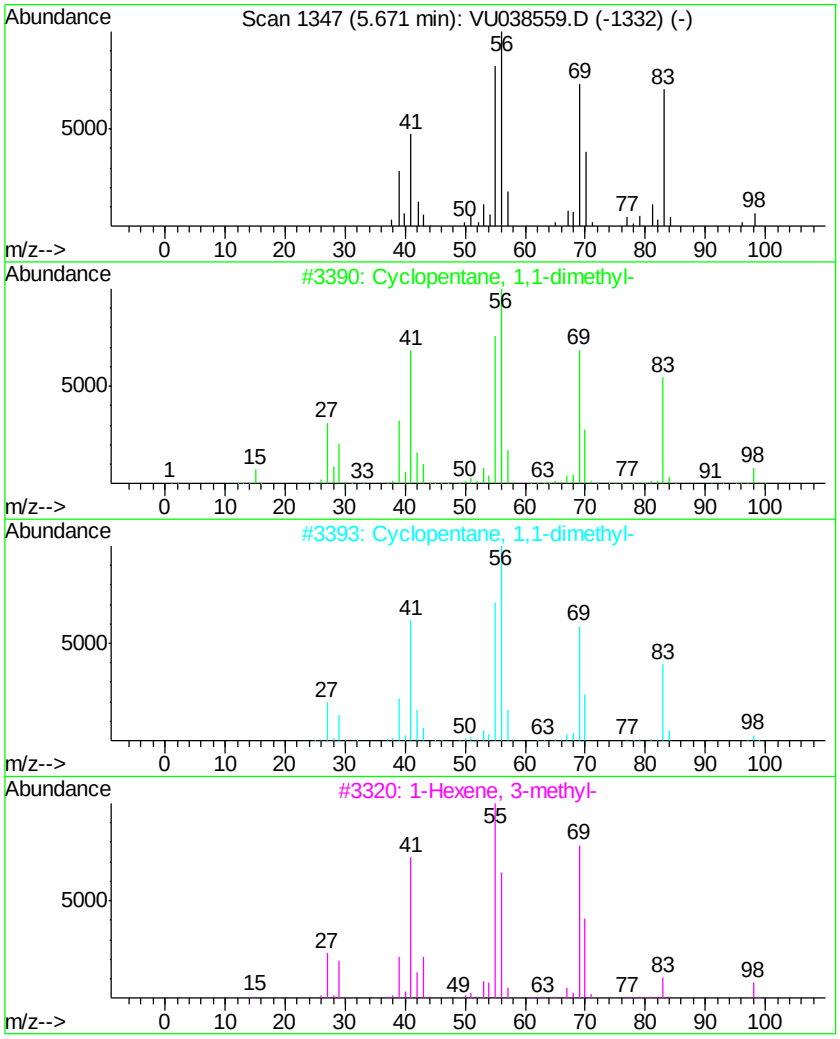
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

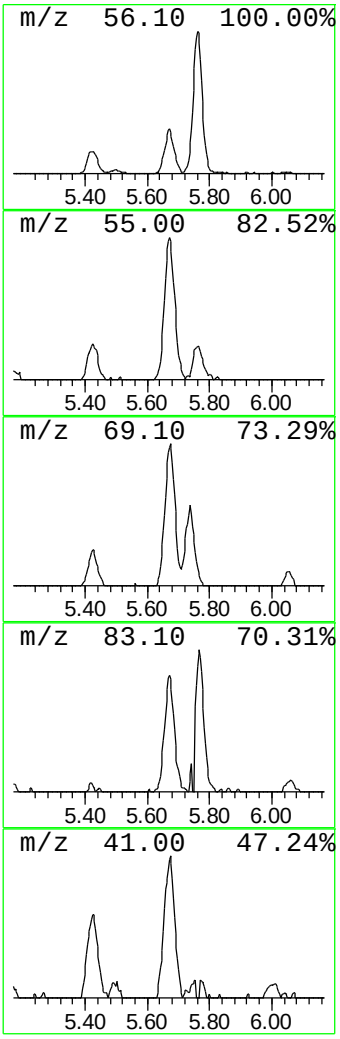
****

Peak Number 3 (DEL) Alkane: Cyclic5.67 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.67	0.75 ug/L	101727	1,4-Difluorobenzene	6.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,1-dimethyl-	98	C7H14	001638-26-2	95
2	Cyclopentane, 1,1-dimethyl-	98	C7H14	001638-26-2	90
3	1-Hexene, 3-methyl-	98	C7H14	003404-61-3	52
4	1-Hexene, 3-methyl-	98	C7H14	003404-61-3	49
5	Cyclopropane, 1,1-diethyl-	98	C7H14	001003-19-6	43





Library Search Compound Report

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Acq On : 04 Jun 2020 19:10
Operator : SY/MD
Sample : L2860-02
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D22

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

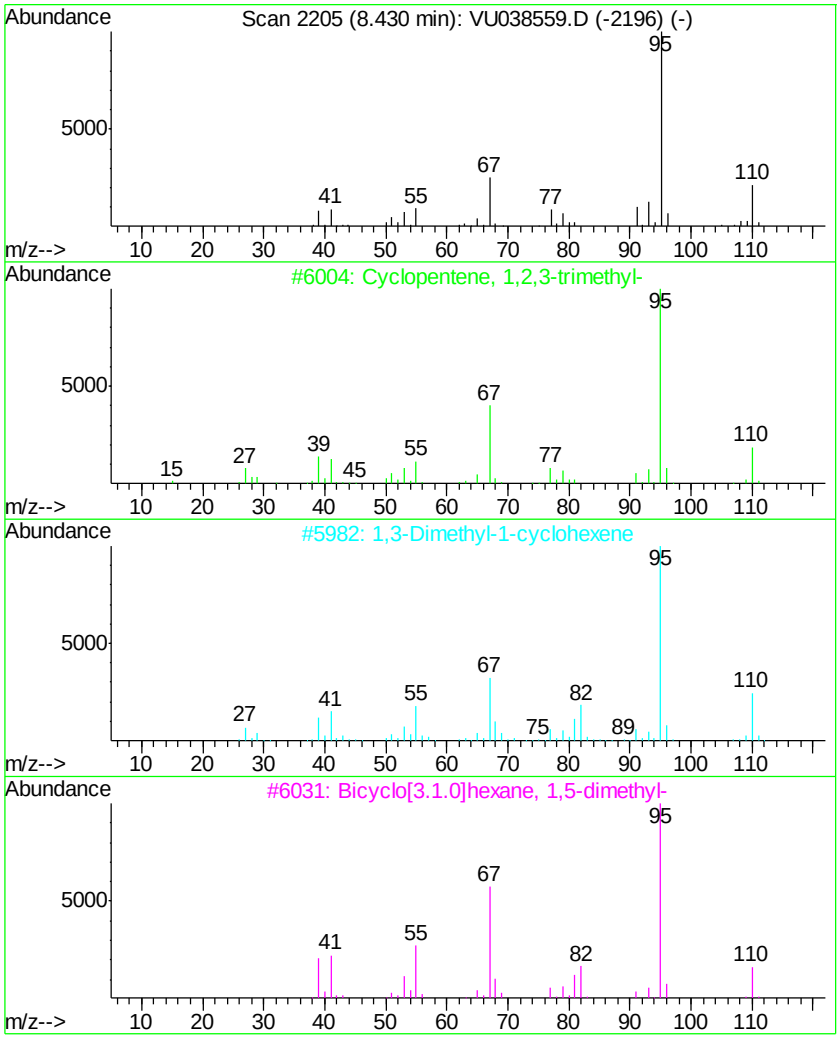
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

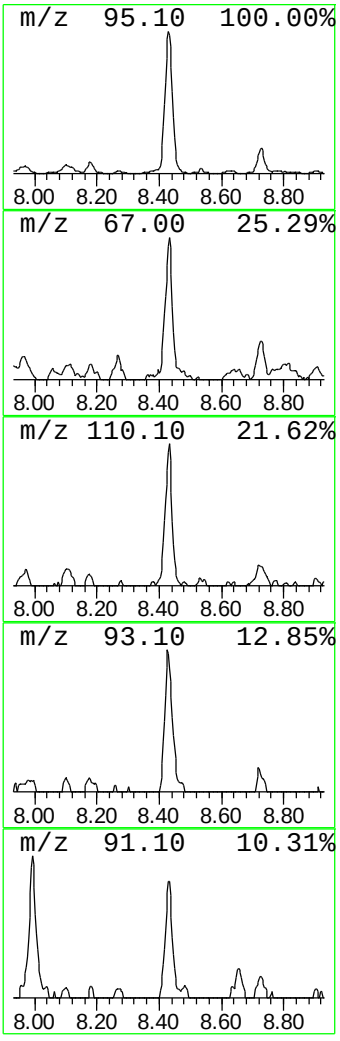
****

Peak Number 5 Cyclopentene, 1,2,3-trimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.43	0.51 ug/L	89579	Chlorobenzene-d5	9.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentene, 1,2,3-trimethyl-	110	C8H14	000473-91-6	87
2	1,3-Dimethyl-1-cyclohexene	110	C8H14	002808-76-6	80
3	Bicyclo[3.1.0]hexane, 1,5-dimethyl-	110	C8H14	1000142-17-5	72
4	1,4-Pentadiene, 2,3,3-trimethyl-	110	C8H14	000756-02-5	72
5	1,4-Pentadiene, 2,3,3-trimethyl-	110	C8H14	000756-02-5	72





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Data File : VU038559.D
Acq On : 04 Jun 2020 19:10
Operator : SY/MD
Sample : L2860-02
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D22

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

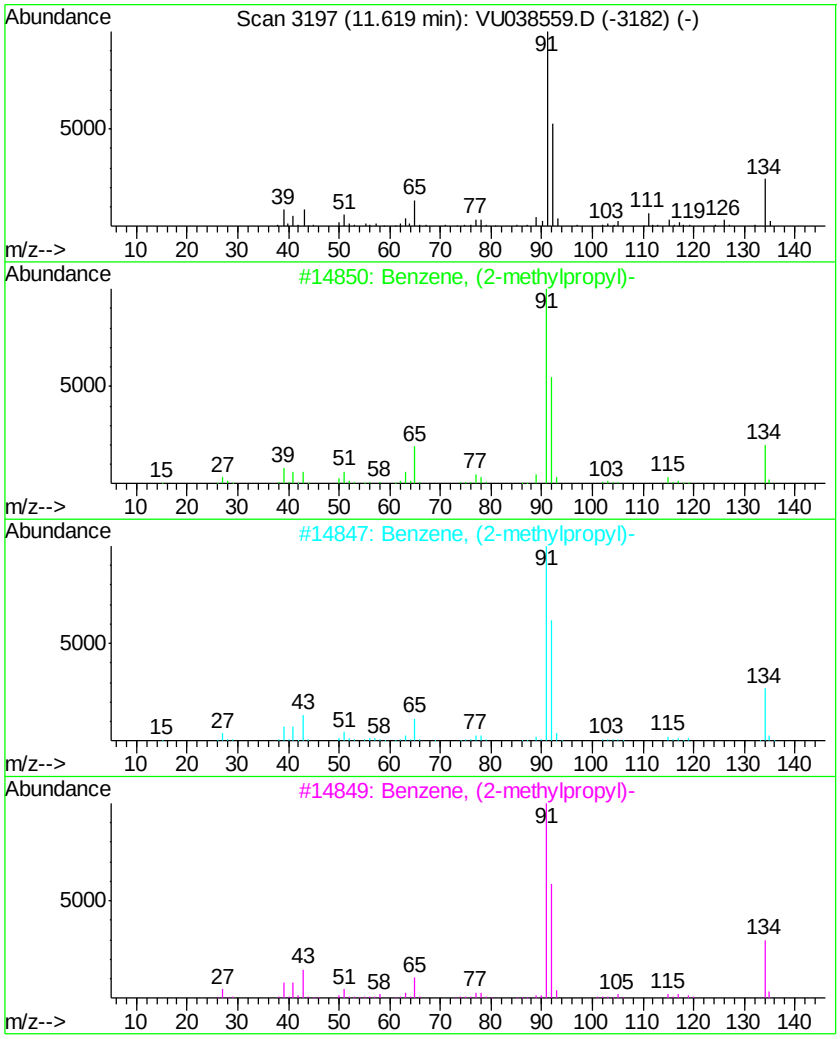
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

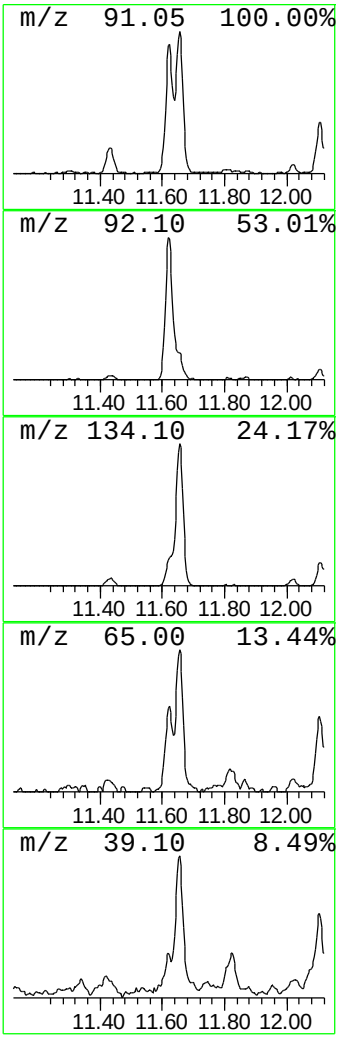
****

Peak Number 6 Benzene, (2-methylpropyl)- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.62	0.53 ug/L	99402	1,4-Dichlorobenzene-d4	11.83

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	90
4	Benzene, butyl-	134	C10H14	000104-51-8	80
5	Tetracyclo[3.2.0.0(2,7).0(4,6)]h...	92	C7H8	000278-06-8	58





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060420\
Data File : VU038559.D
Acq On : 04 Jun 2020 19:10
Operator : SY/MD
Sample : L2860-02
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D22

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

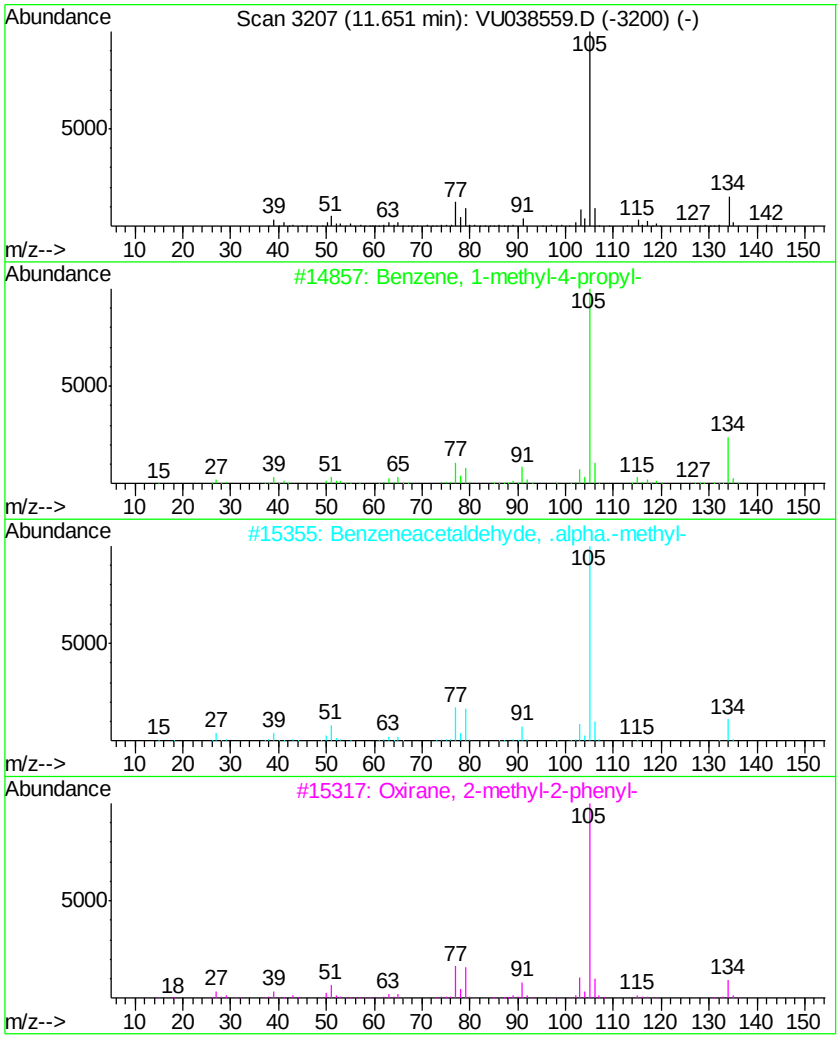
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

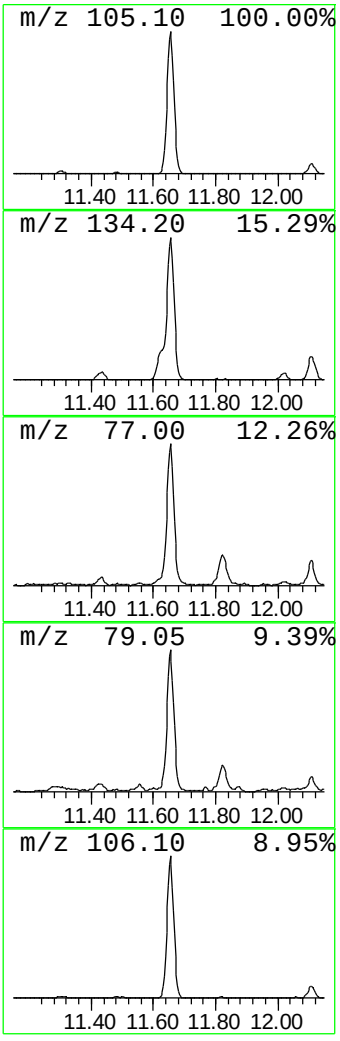
****

Peak Number 7 Benzene, 1-methyl-4-propyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.65	3.59 ug/L	671018	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	91
2	Benzeneacetaldehyde, .alpha.-met...	134	C9H10O	000093-53-8	90
3	Oxirane, 2-methyl-2-phenyl-	134	C9H10O	002085-88-3	90
4	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	90
5	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	86





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Data File : VU038559.D
Acq On : 04 Jun 2020 19:10
Operator : SY/MD
Sample : L2860-02
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D22

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

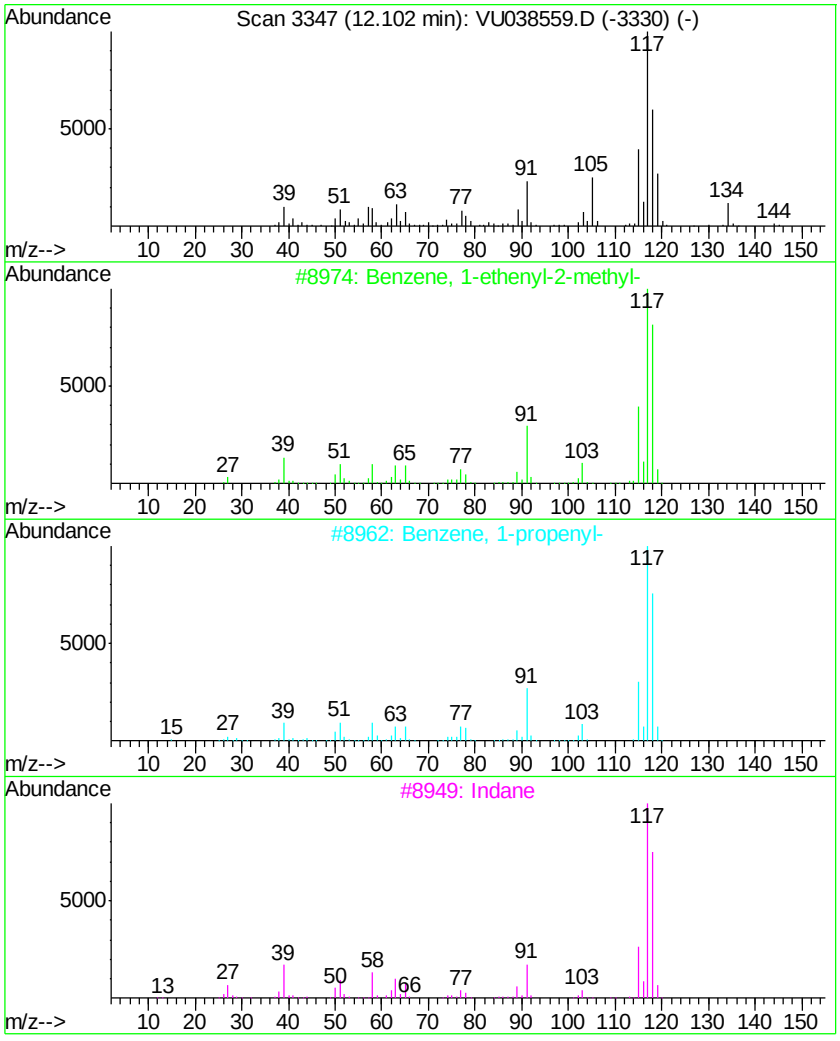
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

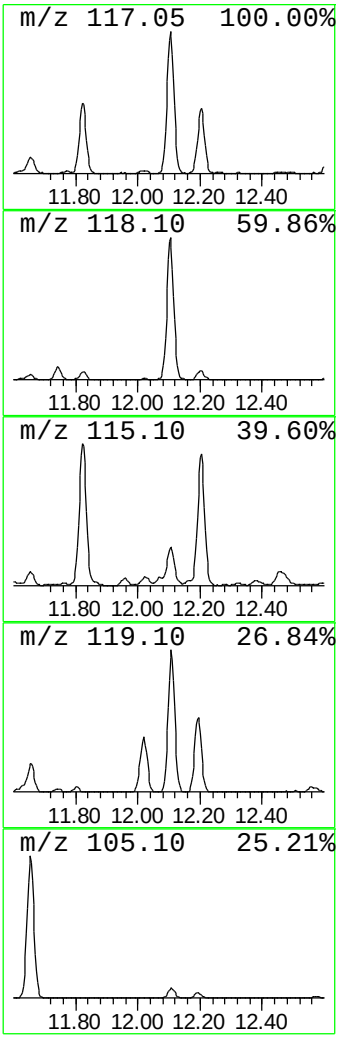
****

Peak Number 8 Benzene, 1-ethenyl-2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.10	1.90 ug/L	354758	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	92
2	Benzene, 1-propenyl-	118	C9H10	000637-50-3	87
3	Indane	118	C9H10	000496-11-7	83
4	Indane	118	C9H10	000496-11-7	64
5	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	64





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Acq On : 04 Jun 2020 19:10
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Sample : L2860-02
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D22

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

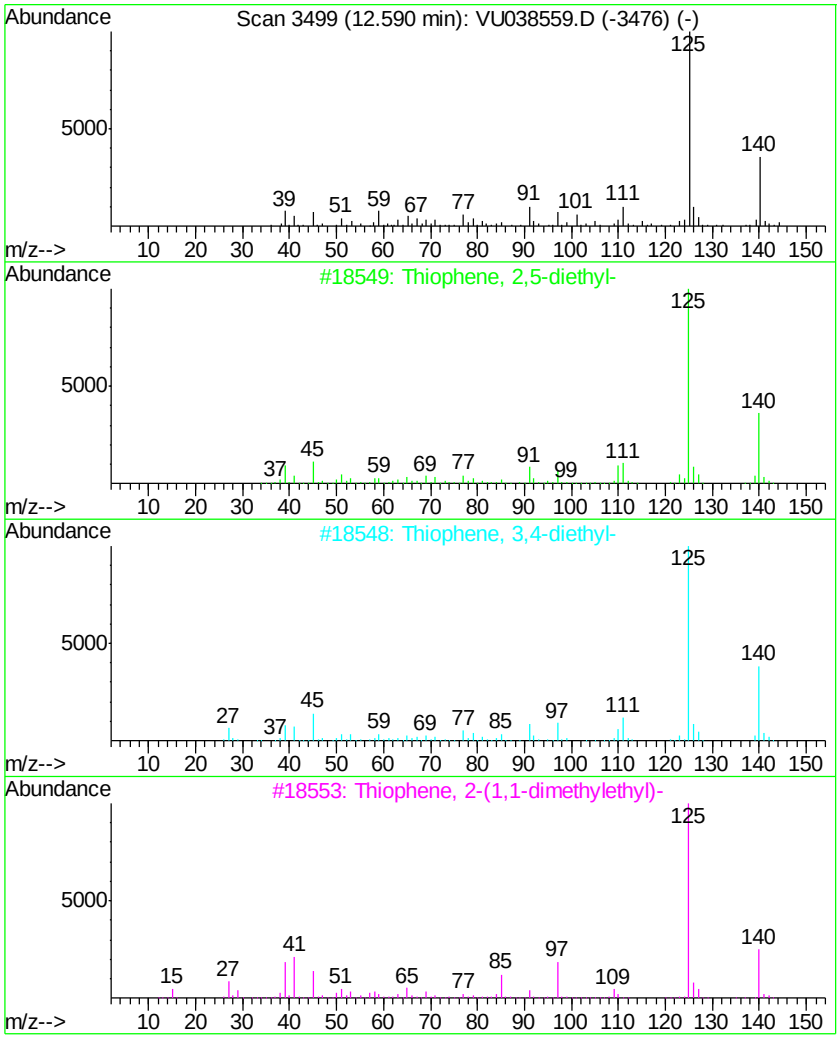
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

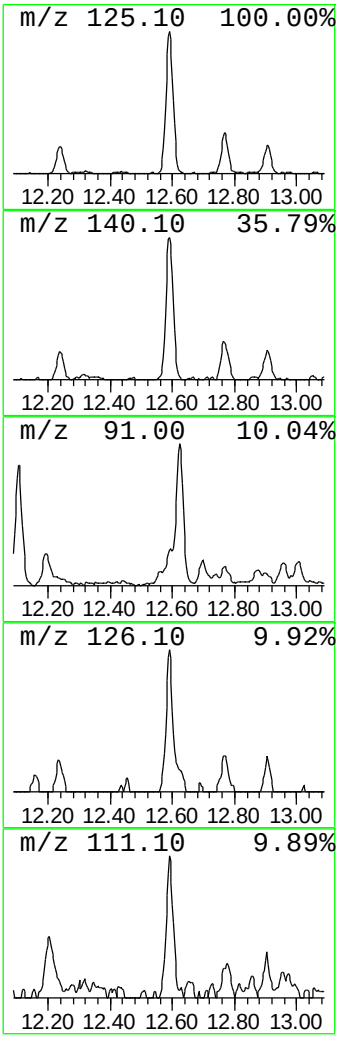
****

Peak Number 9 Thiophene, 2,5-diethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.59	0.86 ug/L	161535	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thiophene, 2,5-diethyl-	140	C8H12S	005069-23-8	81
2	Thiophene, 3,4-diethyl-	140	C8H12S	035686-14-7	74
3	Thiophene, 2-(1,1-dimethylethyl)-	140	C8H12S	001689-78-7	64
4	2,3,4,5-Tetramethylcyclopent-2-e...	140	C9H16O	082061-20-9	64
5	Thiophene, 3-(1,1-dimethylethyl)-	140	C8H12S	001689-79-8	64





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Acq On : 04 Jun 2020 19:10
Operator : SY/MD
Sample : L2860-02
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D22

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

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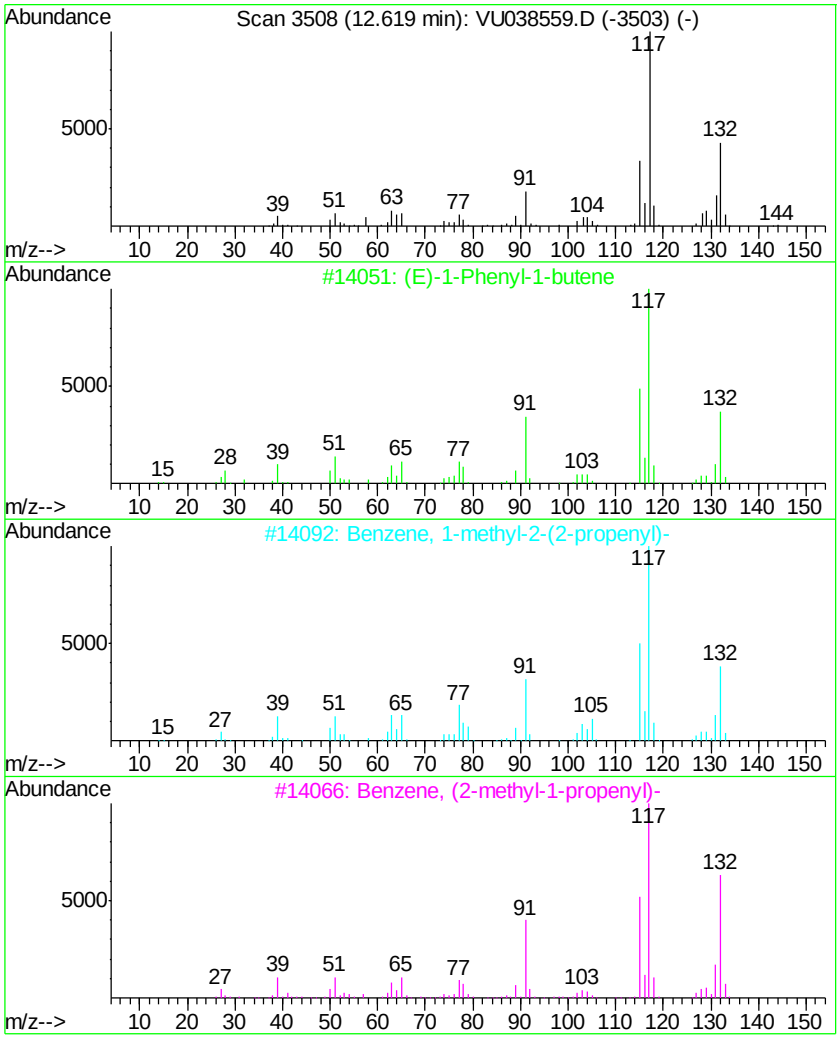
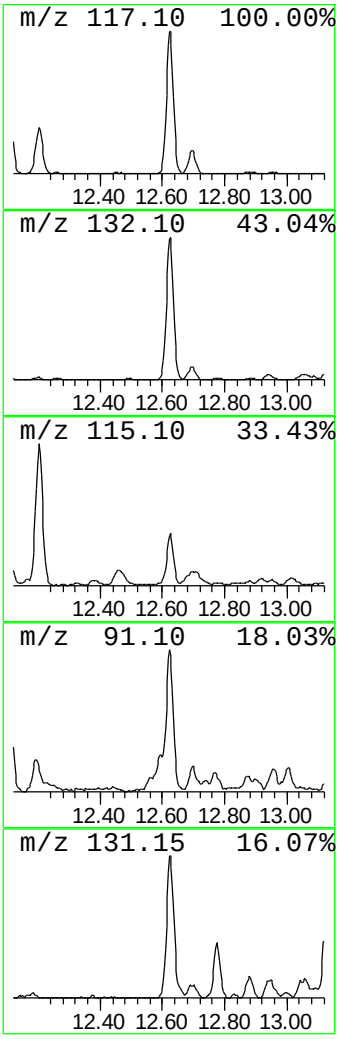
Peak Number 10 (E)-1-Phenyl-1-butene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.62	1.62 ug/L	303192	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(E)-1-Phenyl-1-butene	132	C10H12	001005-64-7	95
2	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	94
3	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	94
4	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	93
5	1-Phenyl-1-butene	132	C10H12	000824-90-8	91





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Acq On : 04 Jun 2020 19:10
Operator : SY/MD
Sample : L2860-02
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D22

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

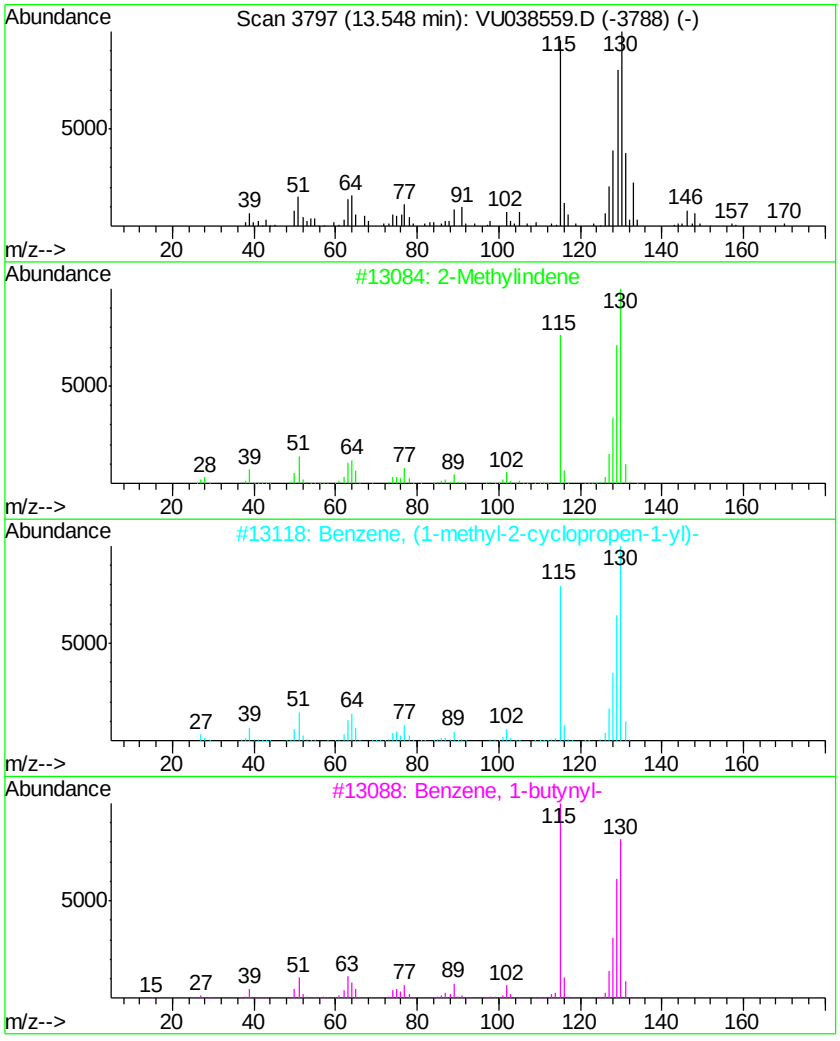
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

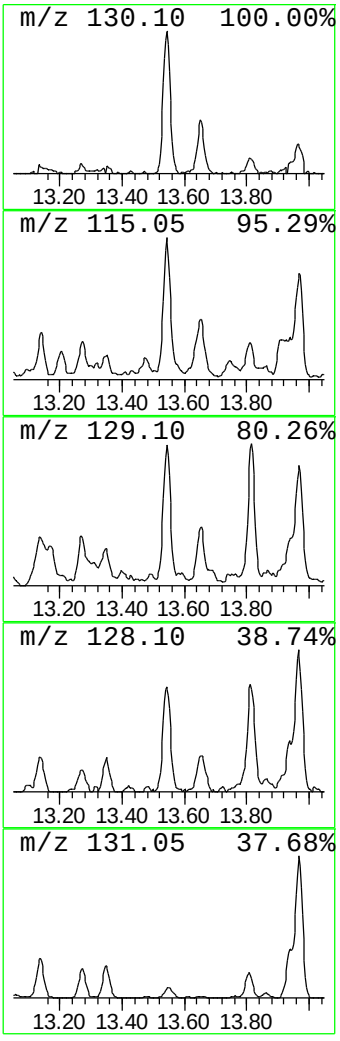
****

Peak Number 11 2-Methylindene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.55	0.56 ug/L	104989	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methylindene	130	C10H10	002177-47-1	94
2	Benzene, (1-methyl-2-cyclopropen...	130	C10H10	065051-83-4	94
3	Benzene, 1-butynyl-	130	C10H10	000622-76-4	91
4	2-Methylindene	130	C10H10	002177-47-1	91
5	Naphthalene, 1,2-dihydro-	130	C10H10	000447-53-0	87





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Data File : VU038559.D
Acq On : 04 Jun 2020 19:10
Operator : SY/MD
Sample : L2860-02
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D22

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

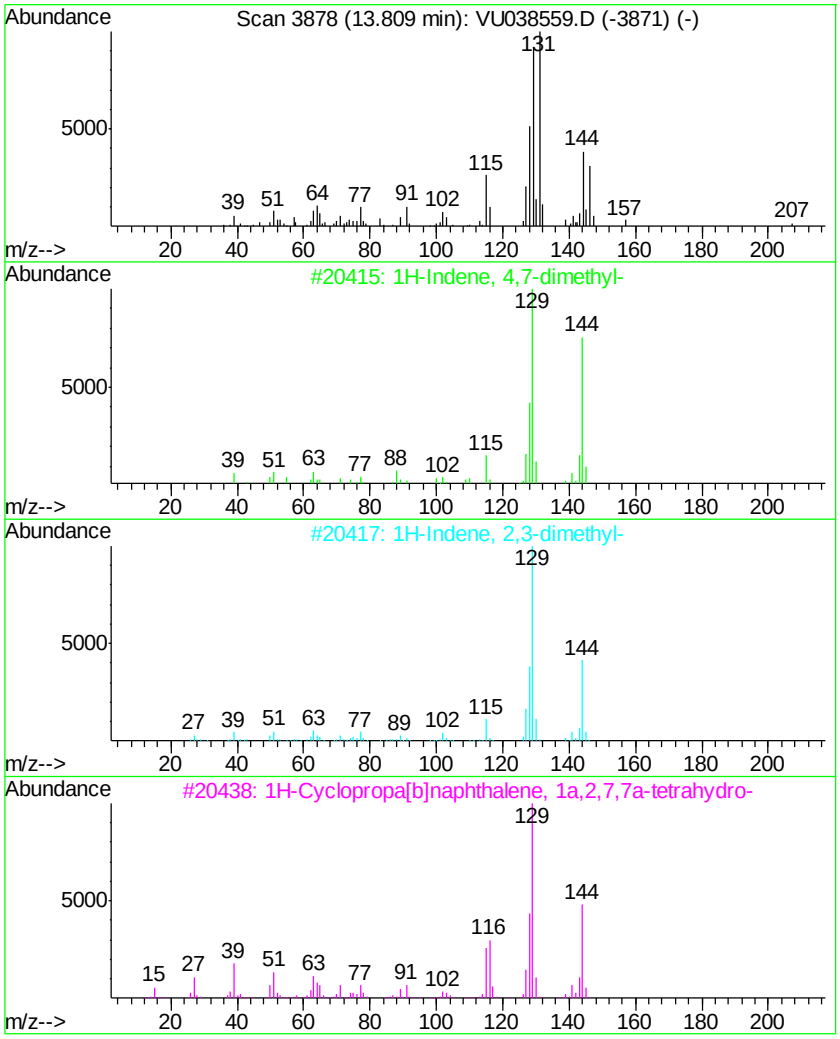
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

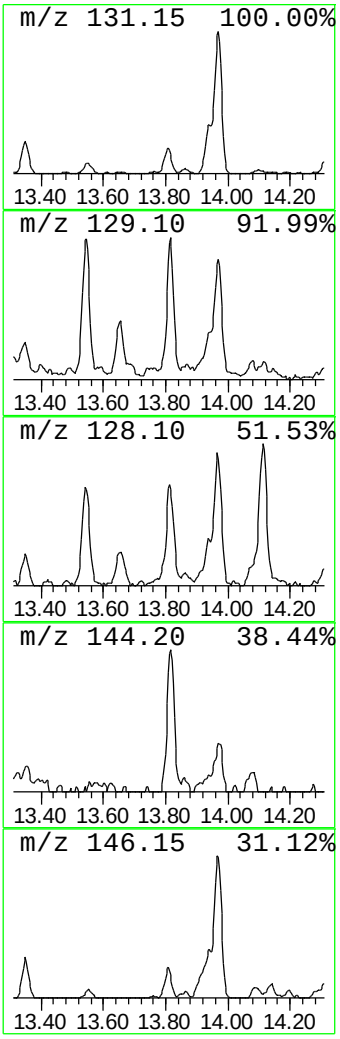
****

Peak Number 12 1H-Indene, 4,7-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.81	0.54 ug/L	101254	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 4,7-dimethyl-	144	C11H12	006974-97-6	64
2	1H-Indene, 2,3-dimethyl-	144	C11H12	004773-82-4	60
3	1H-Cyclopropa[b]naphthalene, 1a,...	144	C11H12	006571-72-8	60
4	(1-Methylenebut-2-enyl)benzene	144	C11H12	070588-46-4	58
5	2-Ethyl-1-H-indene	144	C11H12	017059-50-6	55





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060420\
Data File : VU038559.D
Acq On : 04 Jun 2020 19:10
Operator : SY/MD
Sample : L2860-02
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D22

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

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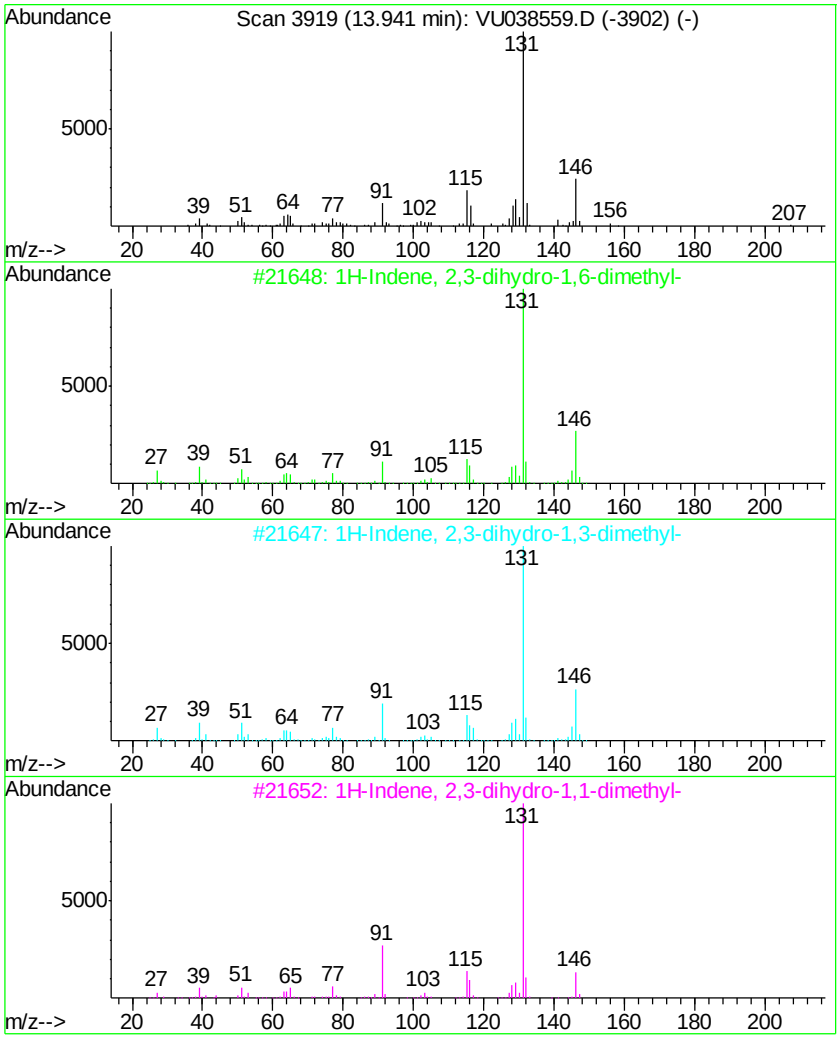
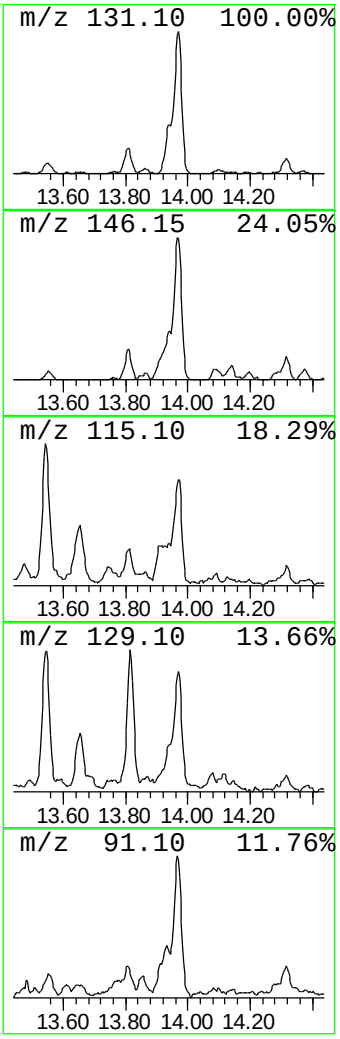
Peak Number 13 1H-Indene, 2,3-dihydro-1,6-... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.94	0.69 ug/L	129669	1,4-Dichlorobenzene-d4	11.83

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	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	91
3	1H-Indene, 2,3-dihydro-1,1-dimet...	146	C11H14	004912-92-9	90
4	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	90
5	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	87





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Sample : L2860-02
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D22

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

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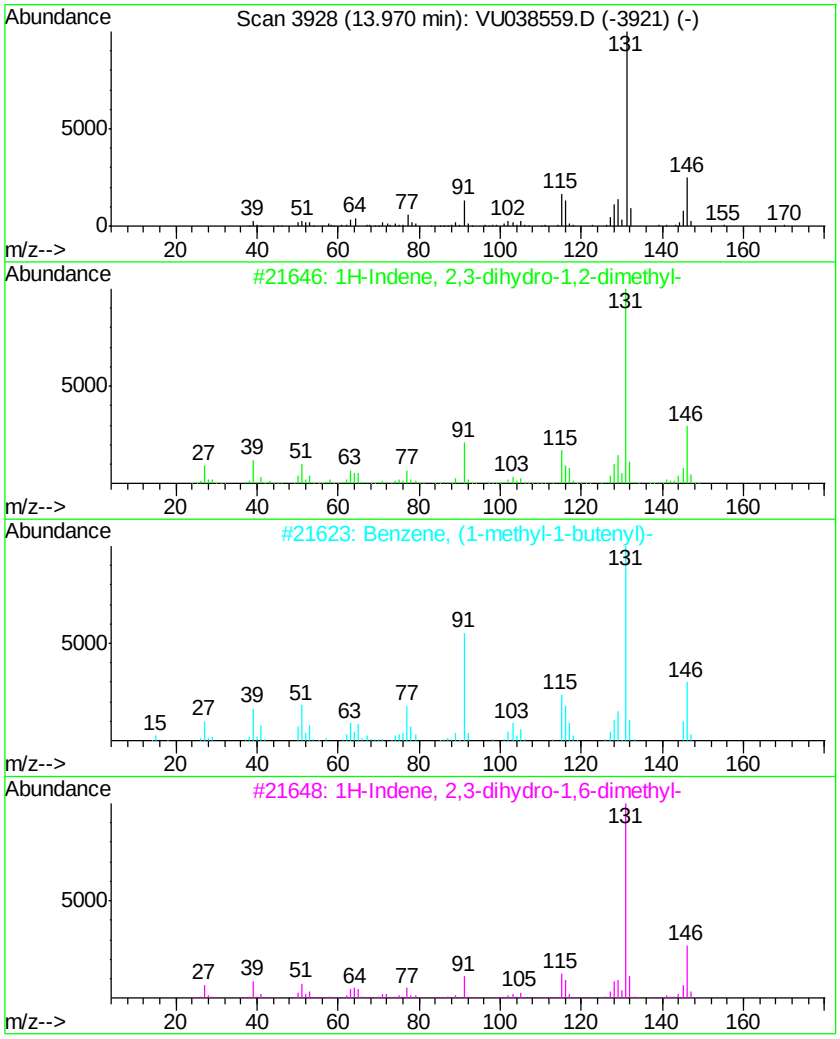
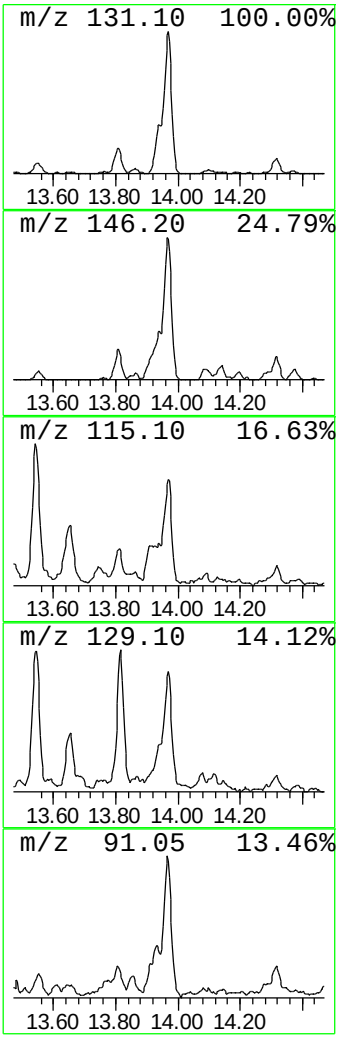
Peak Number 14 1H-Indene, 2,3-dihydro-1,2-... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.97	1.30 ug/L	242752	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	91
2	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	91
3	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	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





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Data File : VU038559.D
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Operator : SY/MD
Sample : L2860-02
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D22

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

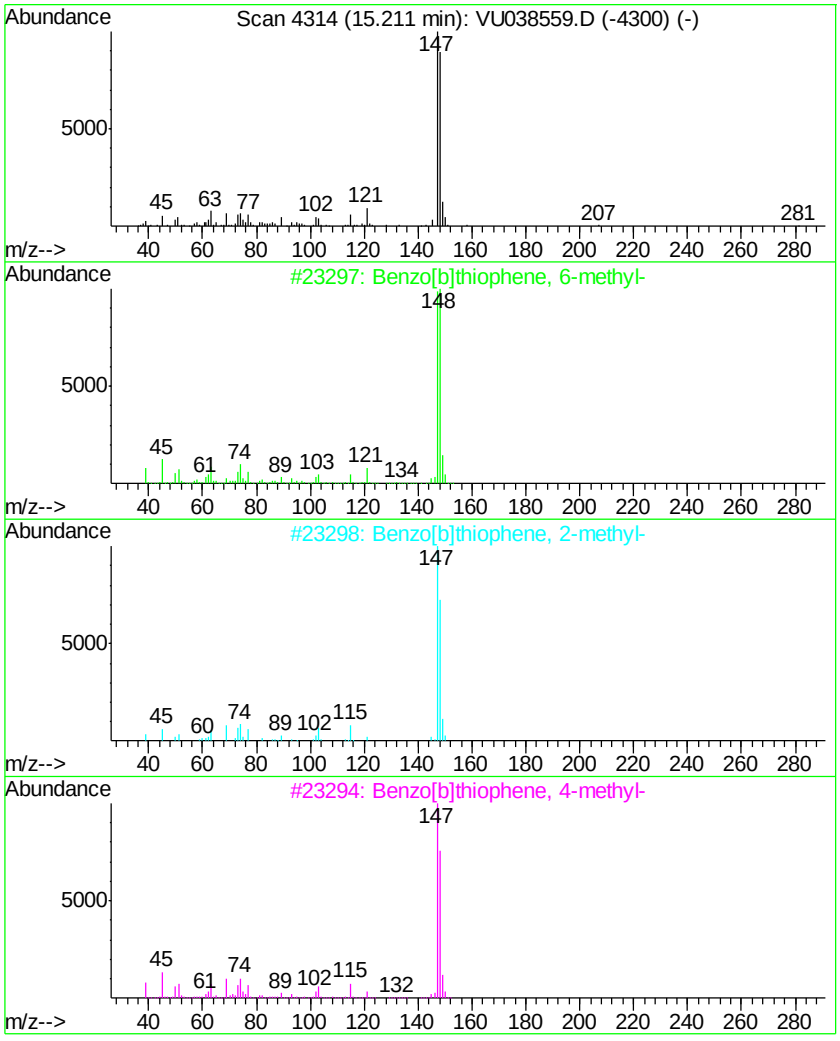
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

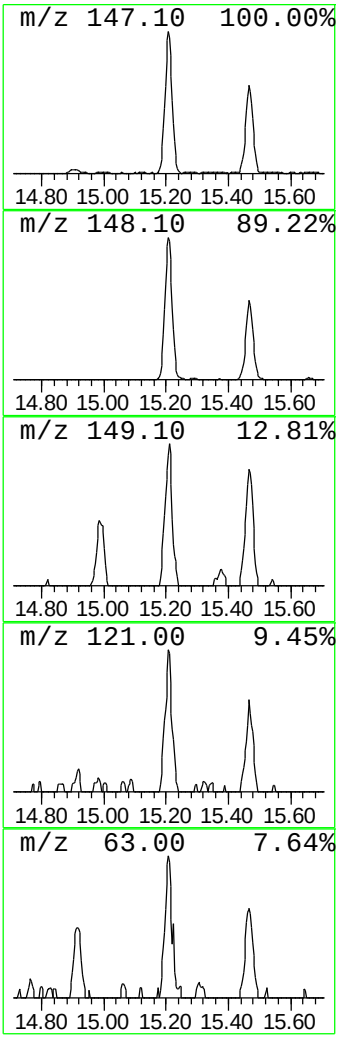
****

Peak Number 15 Benzo[b]thiophene, 6-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.21	0.73 ug/L	137113	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]thiophene, 6-methyl-	148	C9H8S	016587-47-6	91
2	Benzo[b]thiophene, 2-methyl-	148	C9H8S	001195-14-8	90
3	Benzo[b]thiophene, 4-methyl-	148	C9H8S	014315-11-8	90
4	3-Methylbenzothiophene	148	C9H8S	001455-18-1	90
5	Benzo[b]thiophene, 5-methyl-	148	C9H8S	014315-14-1	90





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Data File : VU038559.D
Acq On : 04 Jun 2020 19:10
Operator : SY/MD
Sample : L2860-02
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D22

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

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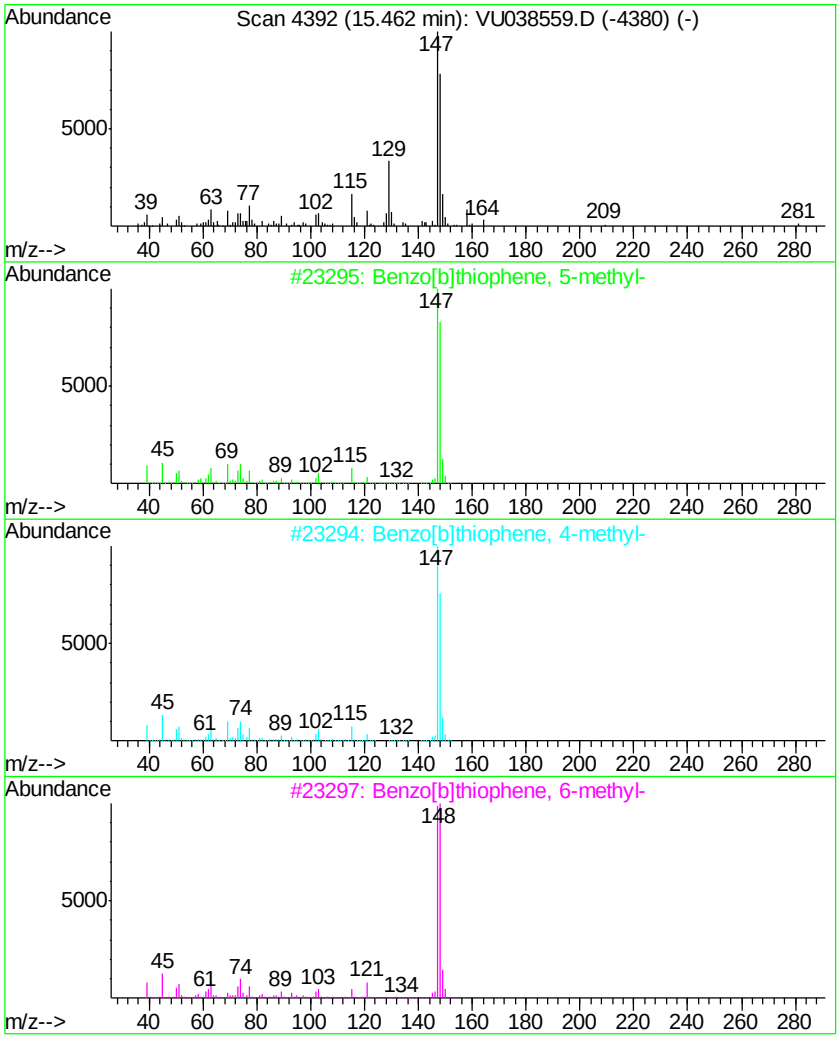
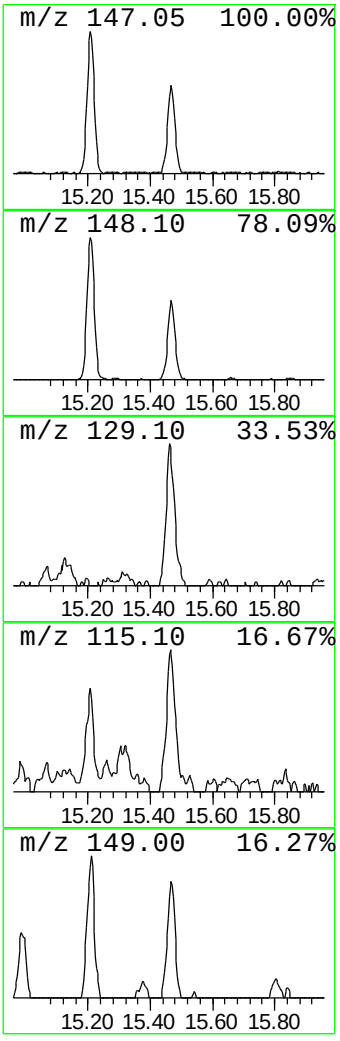
Peak Number 16 Benzo[b]thiophene, 5-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.46	0.61 ug/L	114471	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]thiophene, 5-methyl-	148	C9H8S	014315-14-1	76
2	Benzo[b]thiophene, 4-methyl-	148	C9H8S	014315-11-8	76
3	Benzo[b]thiophene, 6-methyl-	148	C9H8S	016587-47-6	74
4	3-Methylbenzothiophene	148	C9H8S	001455-18-1	74
5	Benzo[b]thiophene, 2-methyl-	148	C9H8S	001195-14-8	68





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Acq On : 04 Jun 2020 19:10
Operator : SY/MD
Sample : L2860-02
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9D22

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

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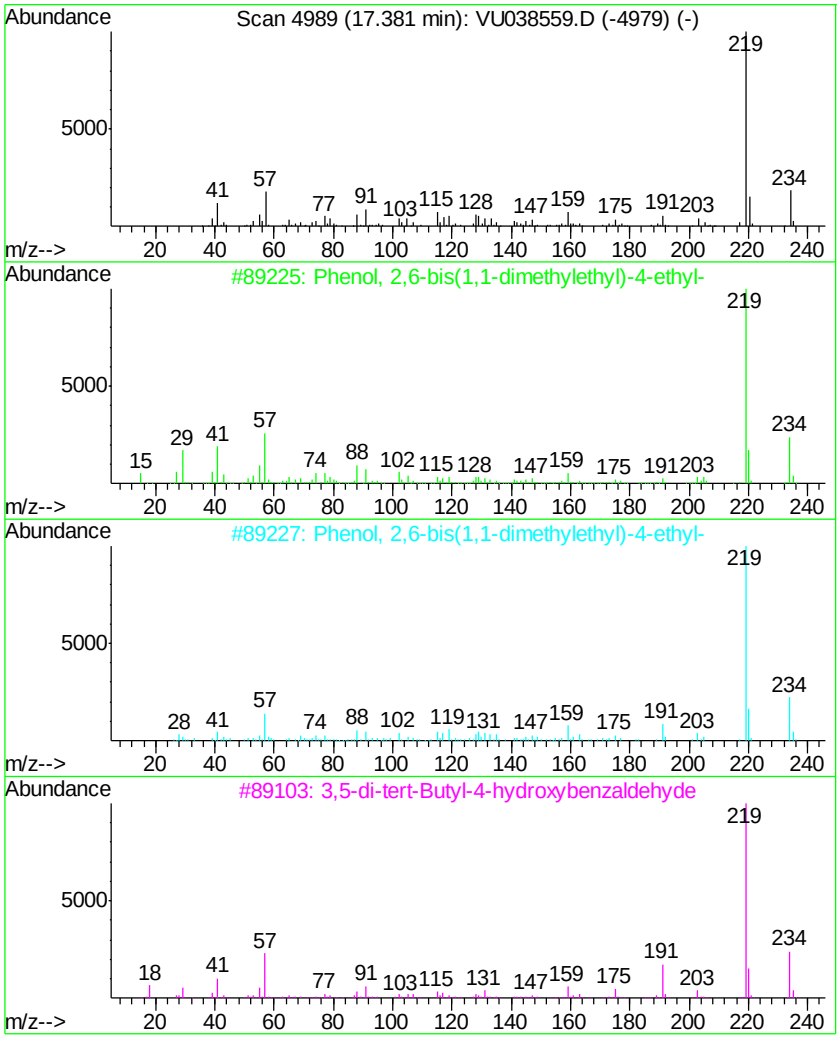
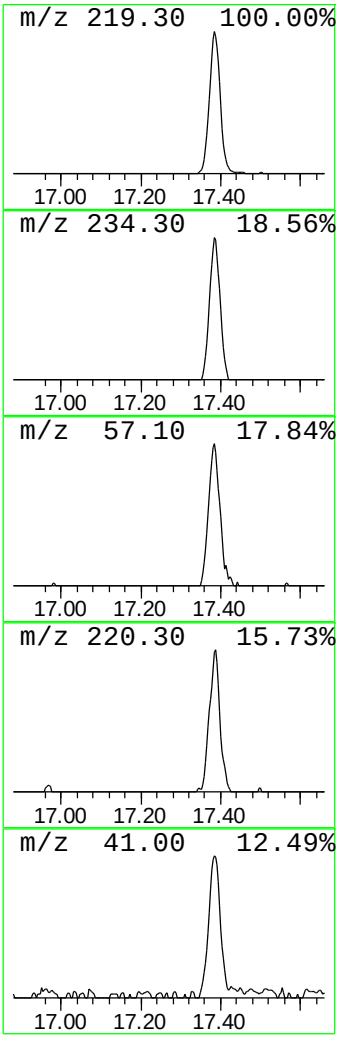
Peak Number 17 Phenol, 2,6-bis(1,1-dimethy... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.38	1.14 ug/L	214071	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 2,6-bis(1,1-dimethylethy...	234	C16H26O	004130-42-1	91
2	Phenol, 2,6-bis(1,1-dimethylethy...	234	C16H26O	004130-42-1	87
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	86
5	3,5-Di-tert-butylbenzoic acid	234	C15H22O2	016225-26-6	86





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060420\
Data File : VU038559.D
Acq On : 04 Jun 2020 19:10
Operator : SY/MD
Sample : L2860-02
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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	173867	1	6.28	676273	5.0
Ethyl Acetate	4.84	1.3	ug/L	172247	1	6.28	676273	5.0
(DEL) Alkane: Cyc...	5.67	0.8	ug/L	101727	1	6.28	676273	5.0
Cyclopentene, 1,2...	8.43	0.5	ug/L	89579	2	9.44	880942	5.0
Benzene, (2-methy...	11.62	0.5	ug/L	99402	3	11.83	935430	5.0
Benzene, 1-methyl...	11.65	3.6	ug/L	671018	3	11.83	935430	5.0
Benzene, 1-etheny...	12.10	1.9	ug/L	354758	3	11.83	935430	5.0
Thiophene, 2,5-di...	12.59	0.9	ug/L	161535	3	11.83	935430	5.0
(E)-1-Phenyl-1-bu...	12.62	1.6	ug/L	303192	3	11.83	935430	5.0
2-Methylindene	13.55	0.6	ug/L	104989	3	11.83	935430	5.0
1H-Indene, 4,7-di...	13.81	0.5	ug/L	101254	3	11.83	935430	5.0
1H-Indene, 2,3-di...	13.94	0.7	ug/L	129669	3	11.83	935430	5.0
1H-Indene, 2,3-di...	13.97	1.3	ug/L	242752	3	11.83	935430	5.0
Benzo[b]thiophene...	15.21	0.7	ug/L	137113	3	11.83	935430	5.0
Benzo[b]thiophene...	15.46	0.6	ug/L	114471	3	11.83	935430	5.0
Phenol, 2,6-bis(1...	17.38	1.1	ug/L	214071	3	11.83	935430	5.0