LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU021220\
Data File : VU036755.D
Acq On : 12 Feb 2020 17:12
Operator : JC/MD
Sample : L1487-10
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DBCT9

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\SOMUTR021220WMA.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	1.613	78	85	96	rBV	79699	85527	2.99%	0.449%
2	1.928	175	183	198	rVB	68415	90377	3.16%	0.475%
3	2.591	374	389	403	rBV	112785	182392	6.38%	0.958%
4	4.674	1022	1037	1067	rBV	77228	195095	6.83%	1.024%
5	5.105	1155	1171	1194	rBV	85946	198450	6.94%	1.042%
6	5.764	1353	1376	1400	rBV2	199654	506546	17.73%	2.660%
7	6.282	1523	1537	1555	rBV	170370	315423	11.04%	1.656%
8	6.726	1660	1675	1694	rBV	123715	238471	8.34%	1.252%
9	7.594	1932	1945	1963	rBV	63937	112554	3.94%	0.591%
10	7.925	2035	2048	2064	rBV	250777	437885	15.32%	2.299%
11	8.205	2125	2135	2149	rBV	38437	65711	2.30%	0.345%
12	8.661	2265	2277	2305	rBV	291314	514800	18.01%	2.703%
13	9.439	2506	2519	2539	rBV	235933	389335	13.62%	2.044%
14	10.121	2721	2731	2745	rVB	24050	37670	1.32%	0.198%
15	10.504	2839	2850	2863	rBV	21991	32621	1.14%	0.171%
16	10.777	2923	2935	2950	rVB	89645	141685	4.96%	0.744%
17	11.307	3090	3100	3111	rBV	23069	34676	1.21%	0.182%
18	11.828	3249	3262	3277	rBV	238258	378405	13.24%	1.987%
19	12.111	3335	3350	3365	rBV	270723	424849	14.87%	2.231%
20	12.208	3368	3380	3395	rVB	238706	386181	13.51%	2.028%
21	12.327	3404	3417	3430	rBV	42911	69350	2.43%	0.364%
22	12.513	3449	3475	3476	rBV2	24037	63614	2.23%	0.334%
23	12.700	3522	3533	3553	rVB	126461	207407	7.26%	1.089%
24	12.947	3597	3610	3621	rBV	344253	539634	18.88%	2.833%
25	13.050	3630	3642	3644	rBV2	112976	158825	5.56%	0.834%
26	13.134	3662	3668	3684	rVB	67150	103775	3.63%	0.545%
27	13.320	3716	3726	3743	rVB	58153	93955	3.29%	0.493%
28	13.481	3766	3776	3786	rBV	47749	76881	2.69%	0.404%
29	13.651	3819	3829	3842	rVB2	34058	54029	1.89%	0.284%
30	13.764	3843	3864	3872	rBV5	10245	29702	1.04%	0.156%
31	13.812	3872	3879	3888	rVV2	15173	28596	1.00%	0.150%
32	13.915	3903	3911	3923	rBV2	15233	29500	1.03%	0.155%
33	14.118	3941	3974	3993	rBV	1690083	2857782	100.00%	15.005%
34	14.240	3993	4012	4021	rBV	153317	272470	9.53%	1.431%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU021220\
Data File : VU036755.D
Acq On : 12 Feb 2020 17:12
Operator : JC/MD
Sample : L1487-10
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DBCT9

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\SOMUTR021220WMA.M
Title : TRACE VOA SOM01.0

35	14.921	4211	4224	4239	rVB2	81834	136412	4.77%	0.716%
36	15.211	4294	4314	4321	rBV	188888	328234	11.49%	1.723%
37	15.265	4321	4331	4357	rVV	761378	1280404	44.80%	6.723%
38	15.384	4357	4368	4376	rVV	28154	47530	1.66%	0.250%
39	15.455	4377	4390	4414	rVB	694693	1182710	41.39%	6.210%
40	16.005	4539	4561	4573	rBV	426781	686720	24.03%	3.606%
41	16.201	4602	4622	4629	rBV	110527	198400	6.94%	1.042%
42	16.236	4630	4633	4645	rVV3	36578	51551	1.80%	0.271%
43	16.317	4645	4658	4680	rVV2	245352	465103	16.27%	2.442%
44	16.465	4683	4704	4711	rVV	284618	517312	18.10%	2.716%
45	16.503	4711	4716	4731	rVB	159717	253661	8.88%	1.332%
46	16.696	4758	4776	4795	rVB2	82922	214139	7.49%	1.124%
47	16.847	4811	4823	4836	rBV	50194	85057	2.98%	0.447%
48	16.947	4841	4854	4866	rBV2	119927	205890	7.20%	1.081%
49	17.050	4876	4886	4896	rVB4	31090	52579	1.84%	0.276%
50	17.163	4906	4921	4939	rBV	1442411	2515389	88.02%	13.207%
51	17.346	4970	4978	4988	rBV	23348	41972	1.47%	0.220%
52	17.481	5005	5020	5045	rBV	719441	1428677	49.99%	7.501%

Sum of corrected areas: 19045913

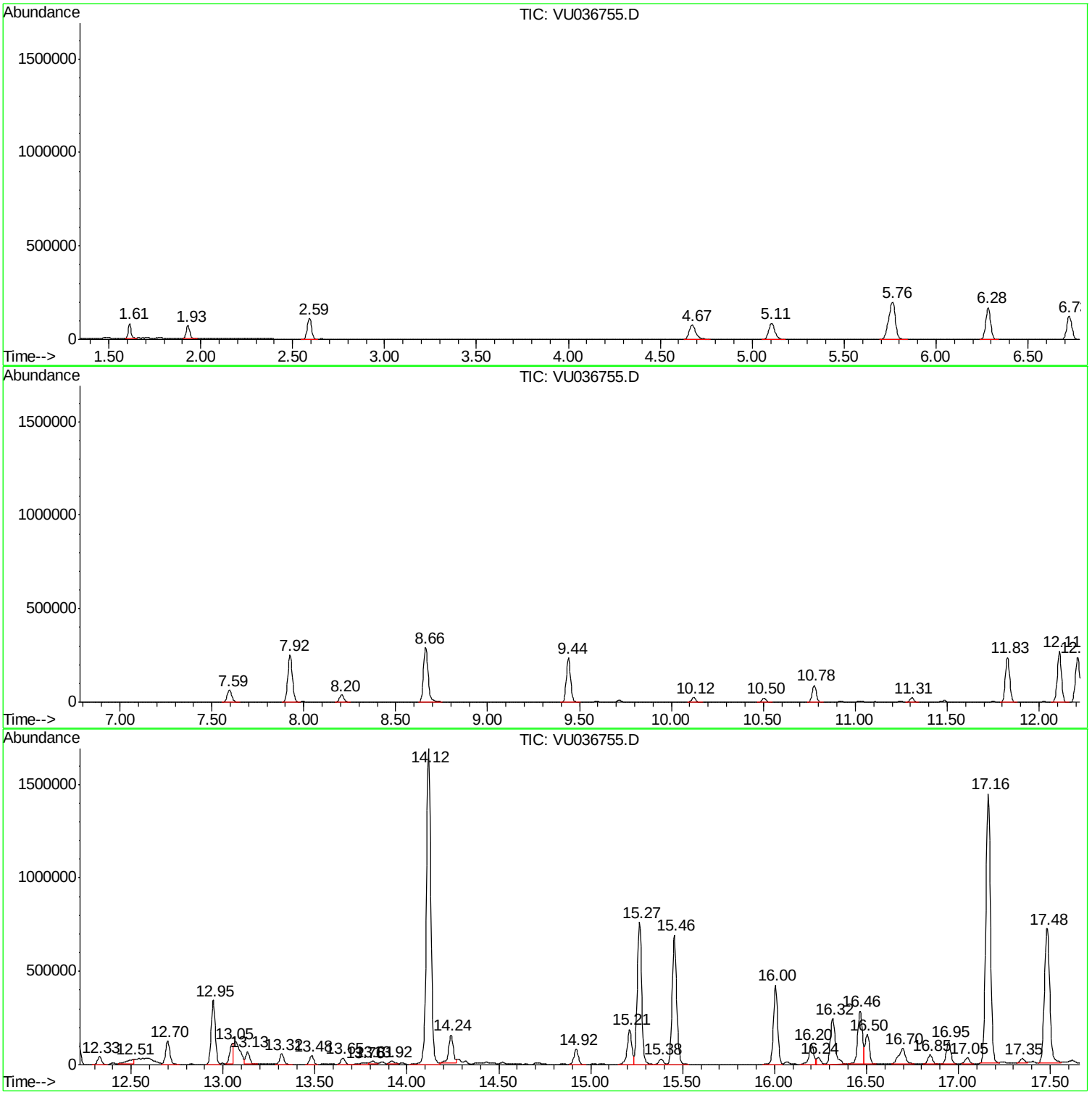
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU021220\
Data File : VU036755.D
Acq On : 12 Feb 2020 17:12
Operator : JC/MD
Sample : L1487-10
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DBCT9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021220WMA.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\VU021220\
Data File : VU036755.D
Acq On : 12 Feb 2020 17:12
Operator : JC/MD
Sample : L1487-10
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DBCT9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021220WMA.M
Quant Title : TRACE VOA SOM01.0

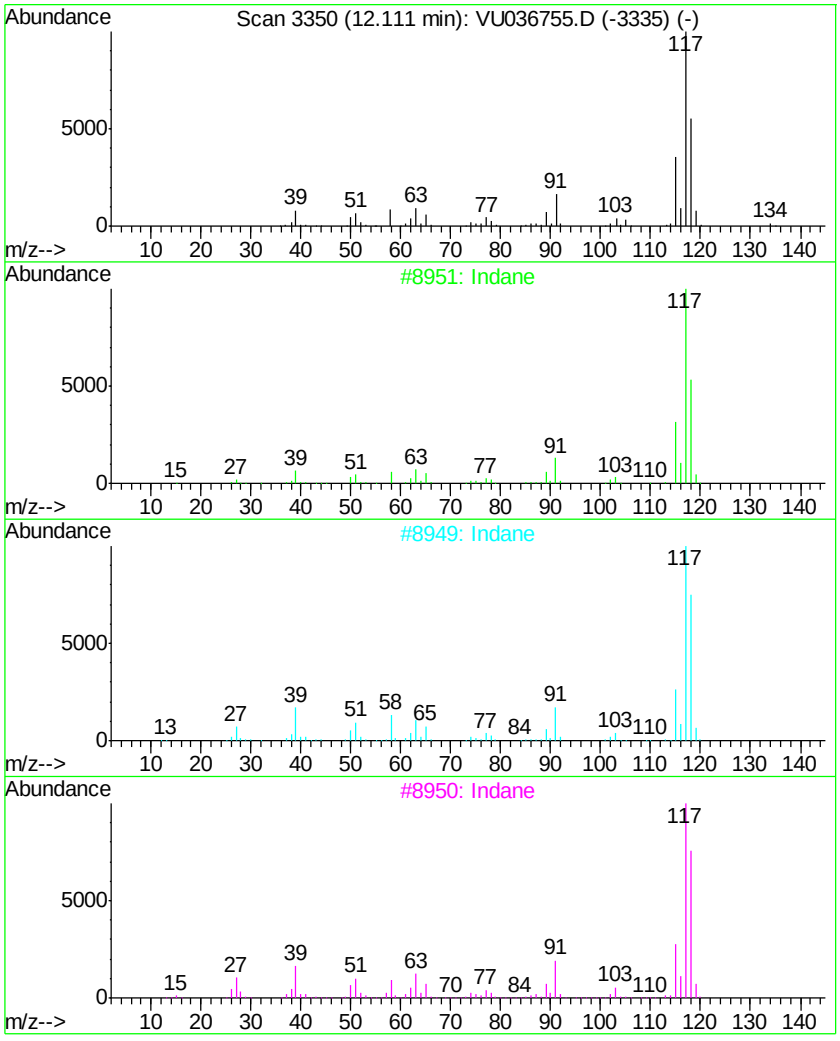
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

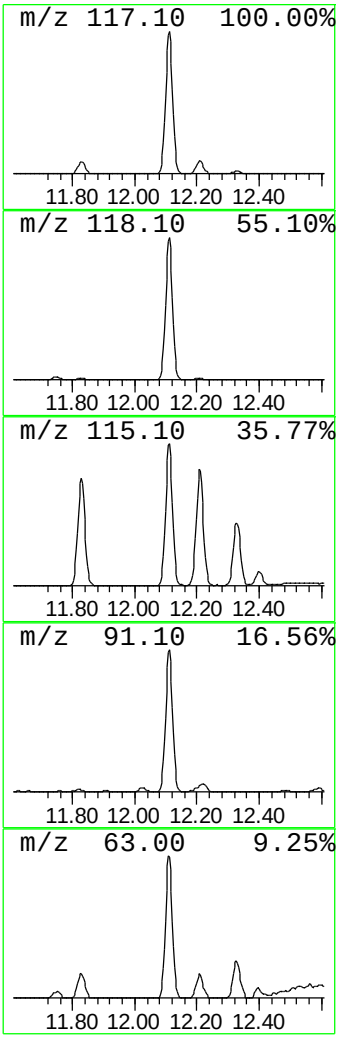
****

Peak Number 2 Indane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.11	5.61 ug/L	424849	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	95
2	Indane	118	C9H10	000496-11-7	91
3	Indane	118	C9H10	000496-11-7	90
4	Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	83
5	Indane	118	C9H10	000496-11-7	81





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU021220\
Data File : VU036755.D
Acq On : 12 Feb 2020 17:12
Operator : JC/MD
Sample : L1487-10
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DBCT9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021220WMA.M
Quant Title : TRACE VOA SOM01.0

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

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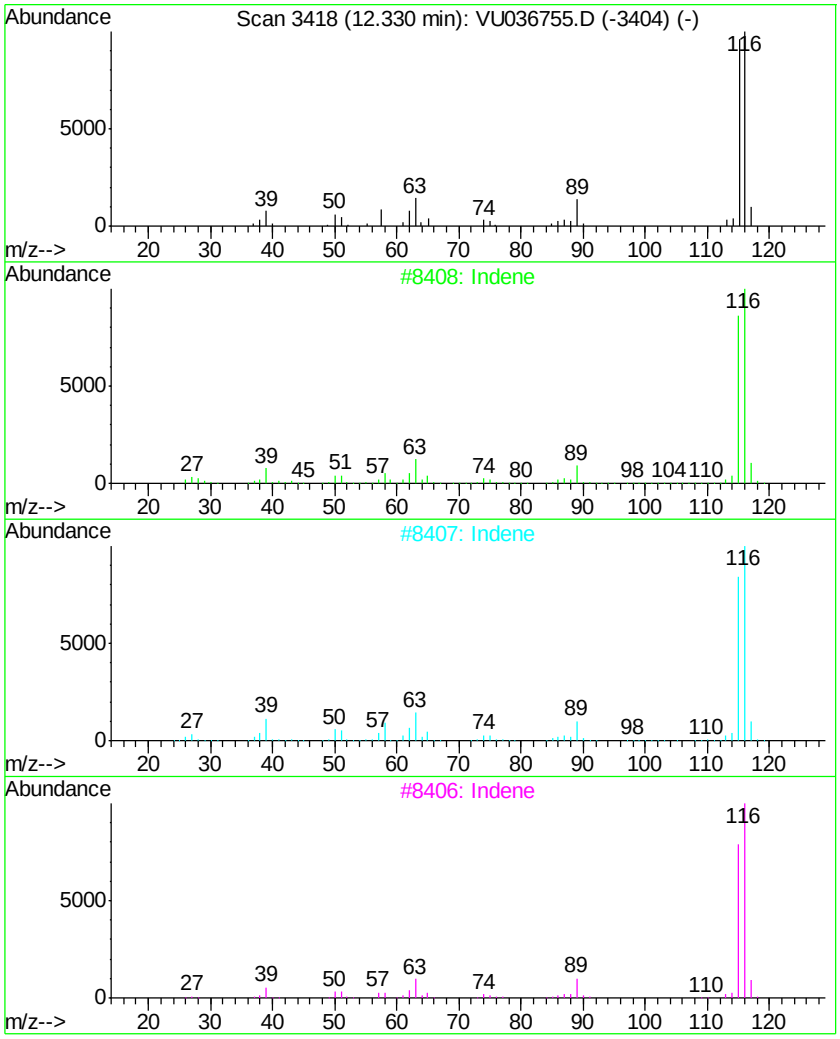
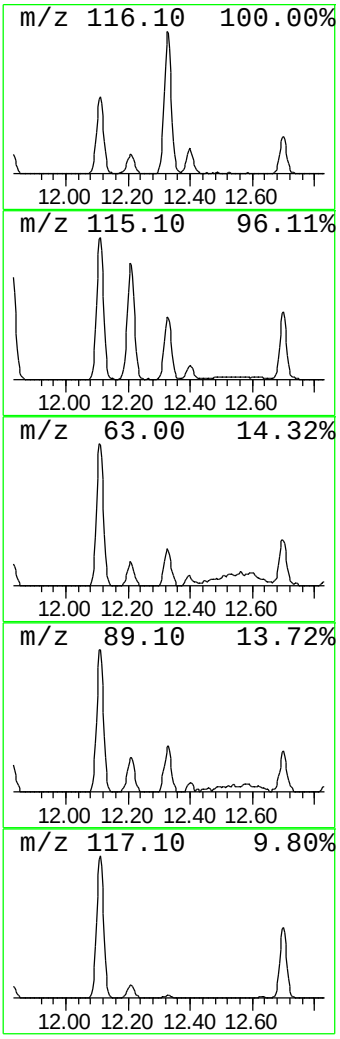
Peak Number 3 Indene Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.33	0.92 ug/L	69350	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	97
2	Indene	116	C9H8	000095-13-6	96
3	Indene	116	C9H8	000095-13-6	95
4	Benzene, 1,2-propadienyl-	116	C9H8	002327-99-3	91
5	Benzene, 1-propynyl-	116	C9H8	000673-32-5	91





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU021220\
Data File : VU036755.D
Acq On : 12 Feb 2020 17:12
Operator : JC/MD
Sample : L1487-10
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DBCT9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021220WMA.M
Quant Title : TRACE VOA SOM01.0

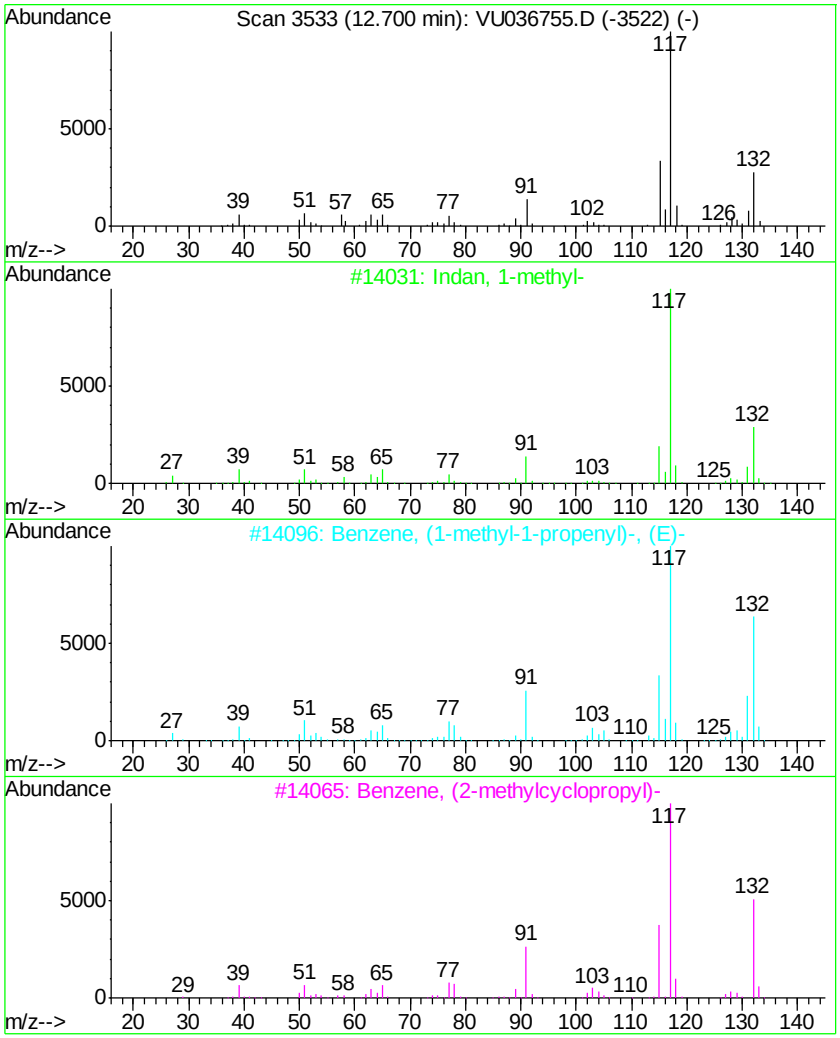
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

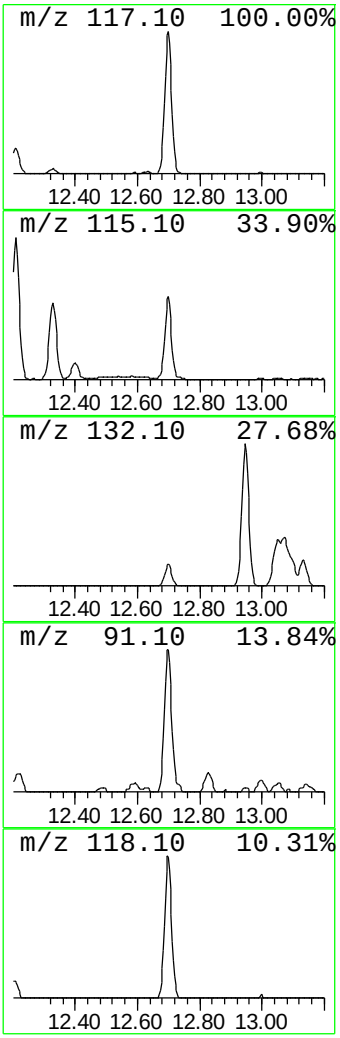
****

Peak Number 5 Indan, 1-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.70	2.74 ug/L	207407	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indan, 1-methyl-	132	C10H12	000767-58-8	87
2	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	87
3	Benzene, (2-methylcyclopropyl)-	132	C10H12	1000327-39-0	87
4	Indan, 1-methyl-	132	C10H12	000767-58-8	87
5	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	87





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU021220\
Data File : VU036755.D
Acq On : 12 Feb 2020 17:12
Operator : JC/MD
Sample : L1487-10
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DBCT9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021220WMA.M
Quant Title : TRACE VOA SOM01.0

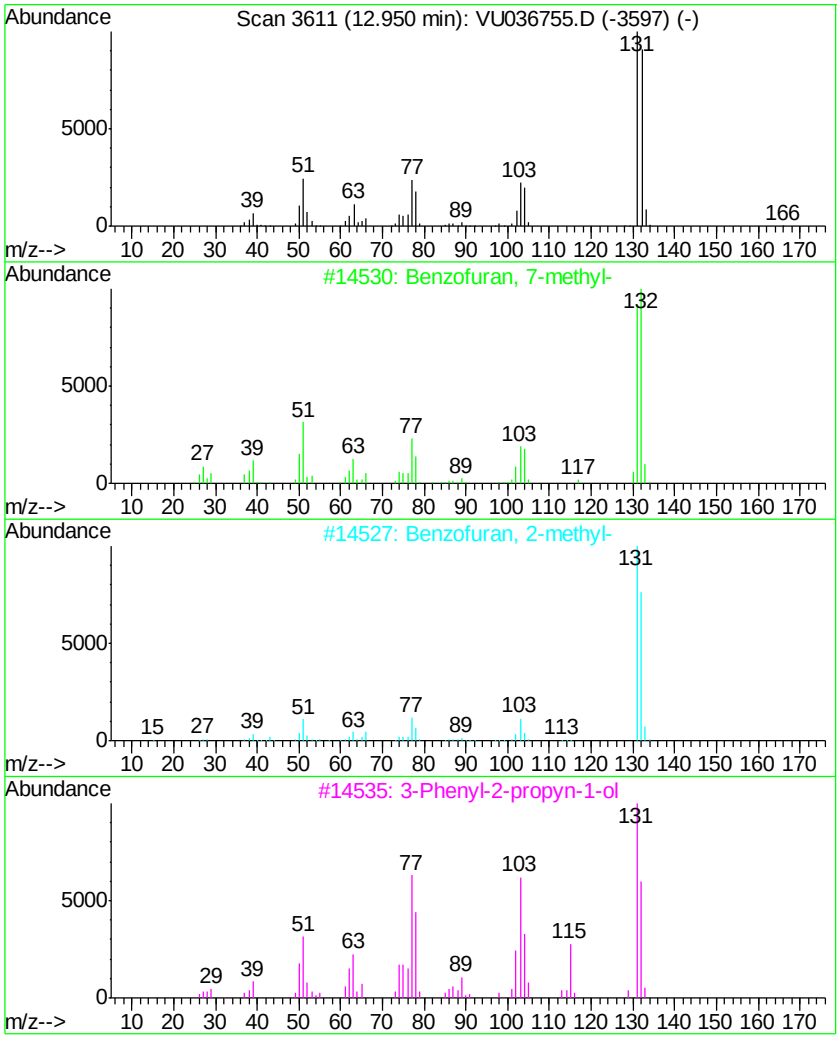
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

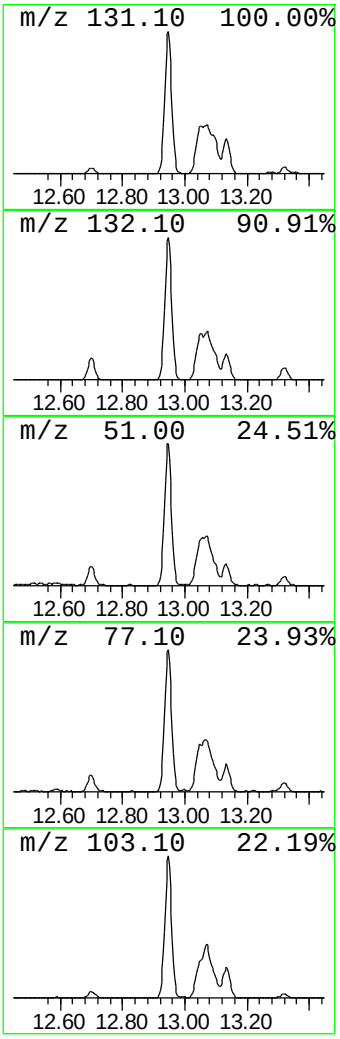
****

Peak Number 6 Benzofuran, 7-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.95	7.13 ug/L	539634	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzofuran, 7-methyl-	132	C9H8O	017059-52-8	96
2	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	95
3	3-Phenyl-2-propyn-1-ol	132	C9H8O	001504-58-1	91
4	3-Phenyl-2-propyn-1-ol	132	C9H8O	001504-58-1	91
5	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	91





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU021220\
Data File : VU036755.D
Acq On : 12 Feb 2020 17:12
Operator : JC/MD
Sample : L1487-10
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DBCT9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021220WMA.M
Quant Title : TRACE VOA SOM01.0

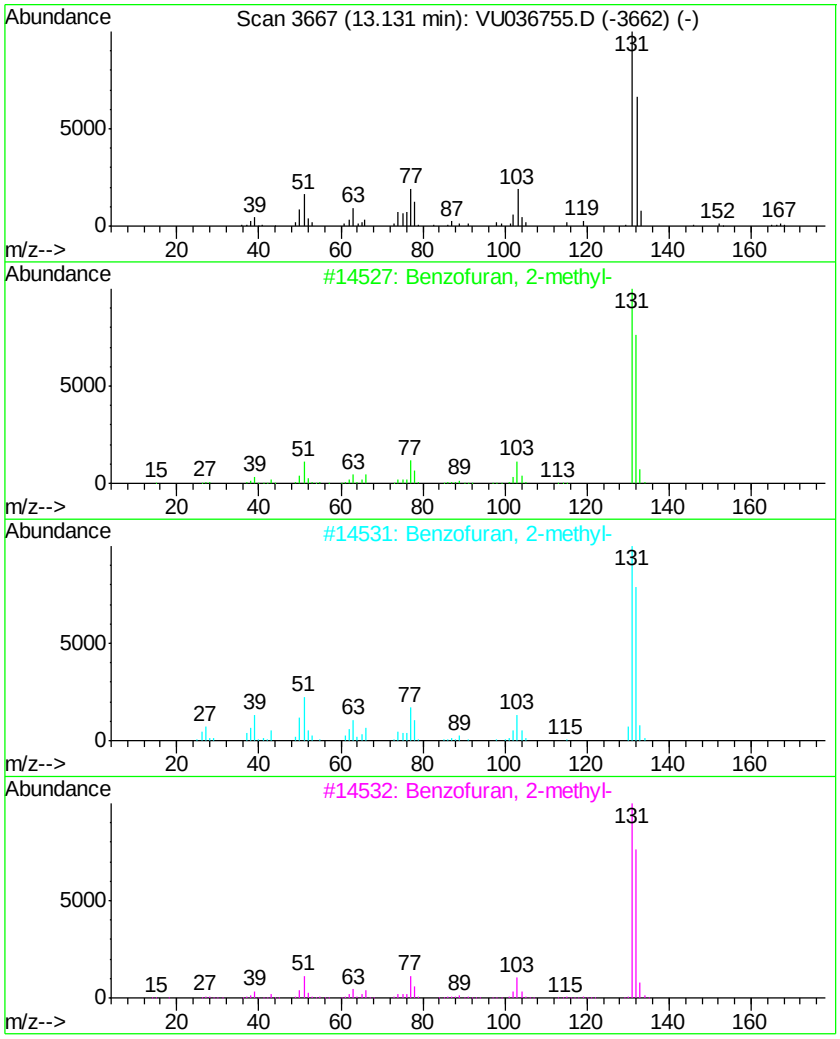
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

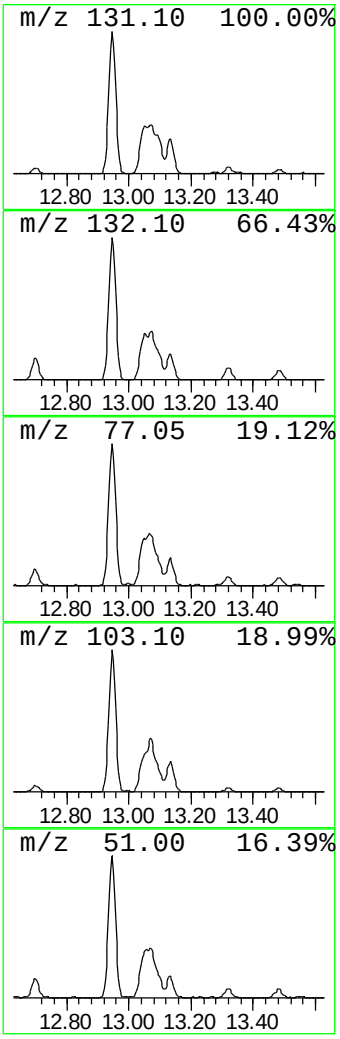
****

Peak Number 8 Benzofuran, 2-methyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.13	1.37 ug/L	103775	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	91
2	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	91
3	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	91
4	2-Propenal, 3-phenyl-	132	C9H8O	000104-55-2	86
5	2-Propenal, 3-phenyl-	132	C9H8O	000104-55-2	83





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU021220\
Data File : VU036755.D
Acq On : 12 Feb 2020 17:12
Operator : JC/MD
Sample : L1487-10
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DBCT9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021220WMA.M
Quant Title : TRACE VOA SOM01.0

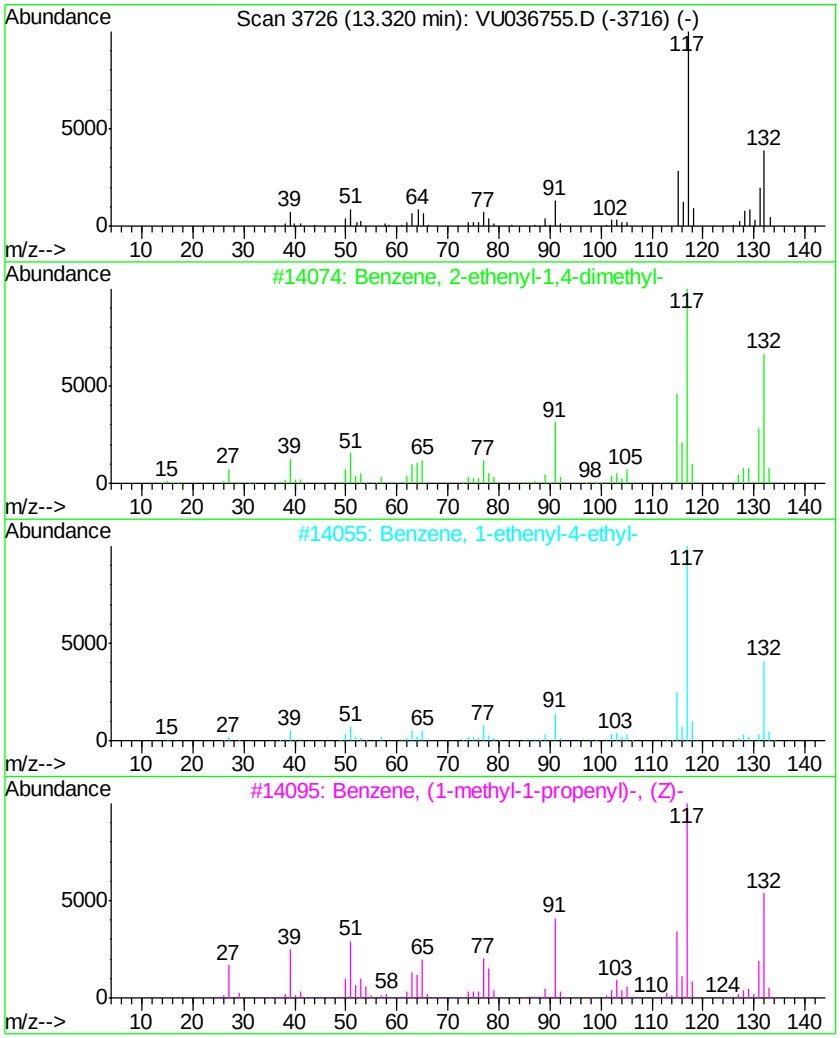
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

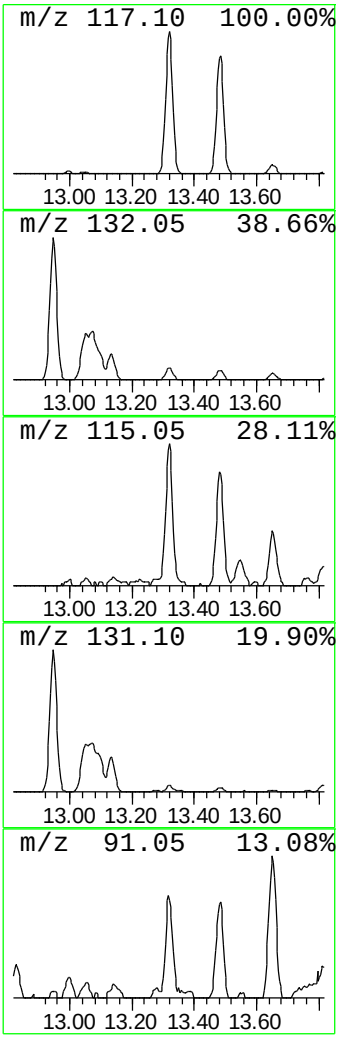
****

Peak Number 9 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.32	1.24 ug/L	93955	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	96
2	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	94
3	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000767-99-7	91
4	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	90
5	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	90





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU021220\
Data File : VU036755.D
Acq On : 12 Feb 2020 17:12
Operator : JC/MD
Sample : L1487-10
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DBCT9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021220WMA.M
Quant Title : TRACE VOA SOM01.0

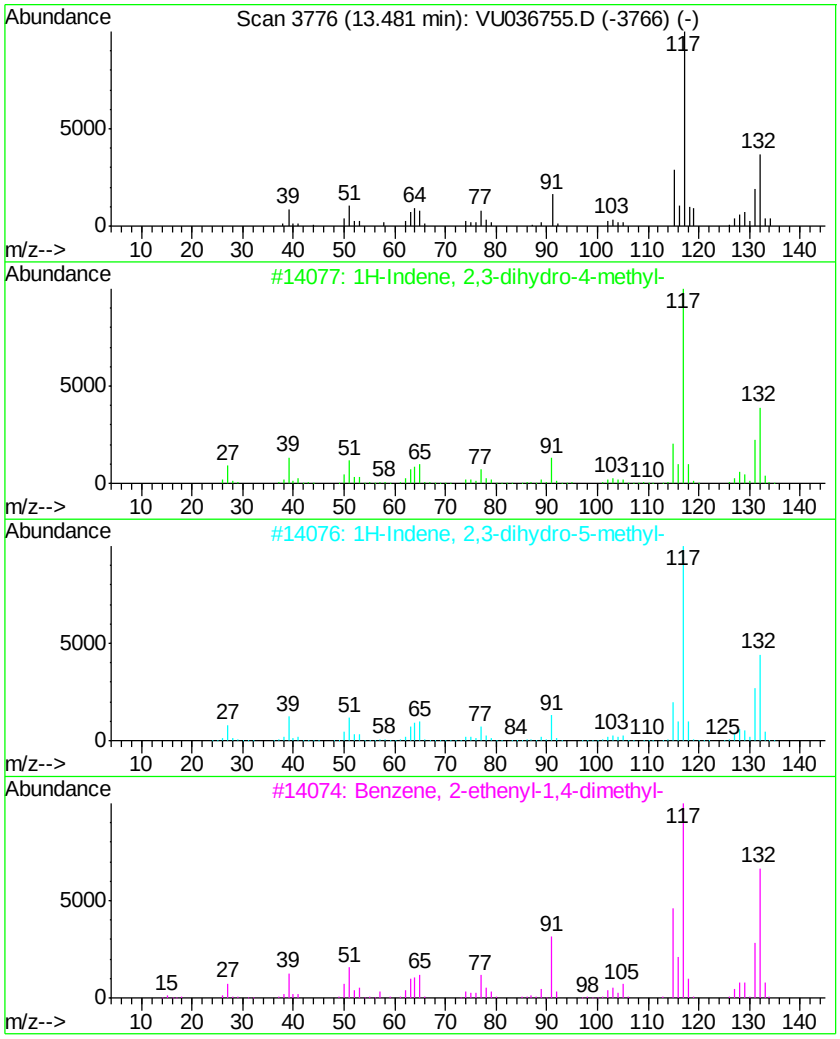
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

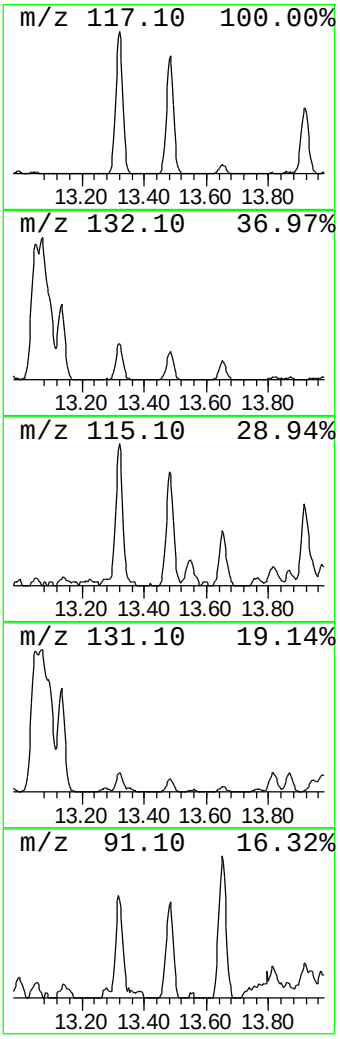
****

Peak Number 10 1H-Indene, 2,3-dihydro-4-me... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.48	1.02 ug/L	76881	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	94
2	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	93
3	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	92
4	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000767-99-7	87
5	3-Phenylbut-1-ene	132	C10H12	000934-10-1	87





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU021220\
Data File : VU036755.D
Acq On : 12 Feb 2020 17:12
Operator : JC/MD
Sample : L1487-10
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DBCT9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021220WMA.M
Quant Title : TRACE VOA SOM01.0

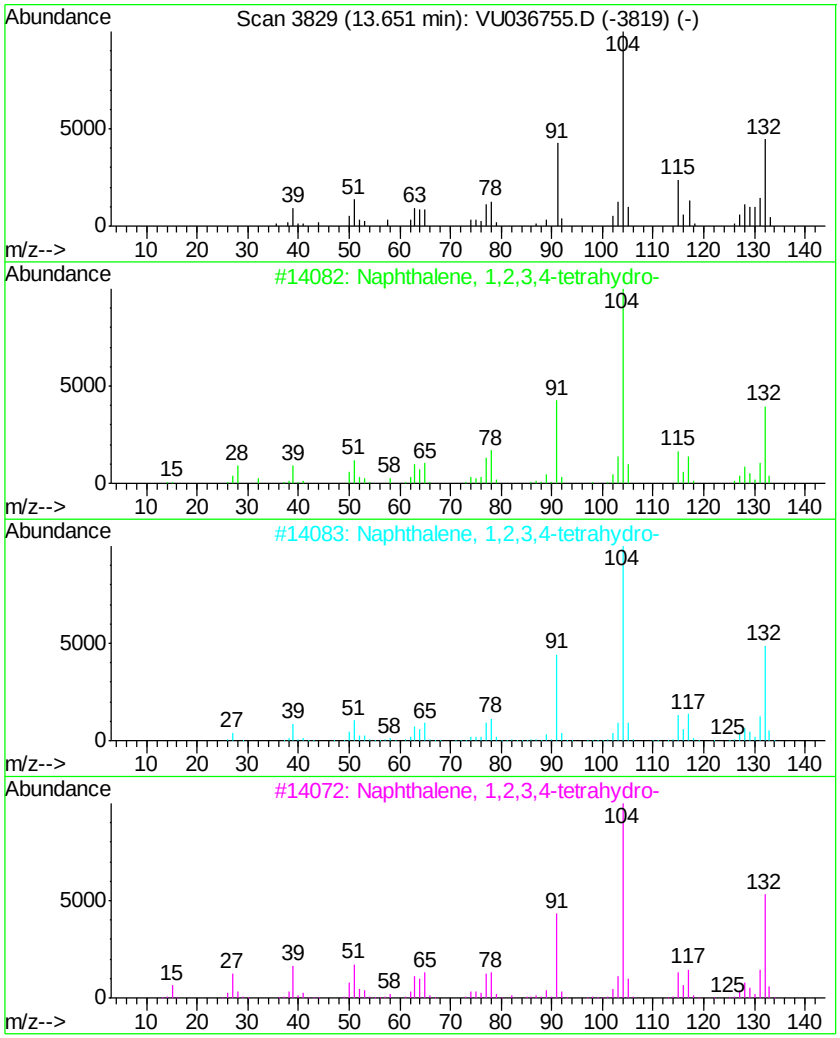
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

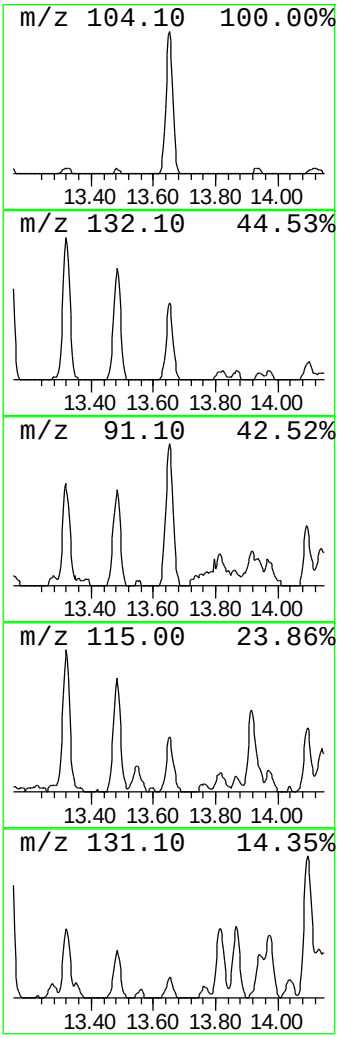
****

Peak Number 11 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.65	0.71 ug/L	54029	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	96
2	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	95
3	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	95
4	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	95
5	Benzene, cyclobutyl-	132	C10H12	004392-30-7	50





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU021220\
Data File : VU036755.D
Acq On : 12 Feb 2020 17:12
Operator : JC/MD
Sample : L1487-10
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DBCT9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021220WMA.M
Quant Title : TRACE VOA SOM01.0

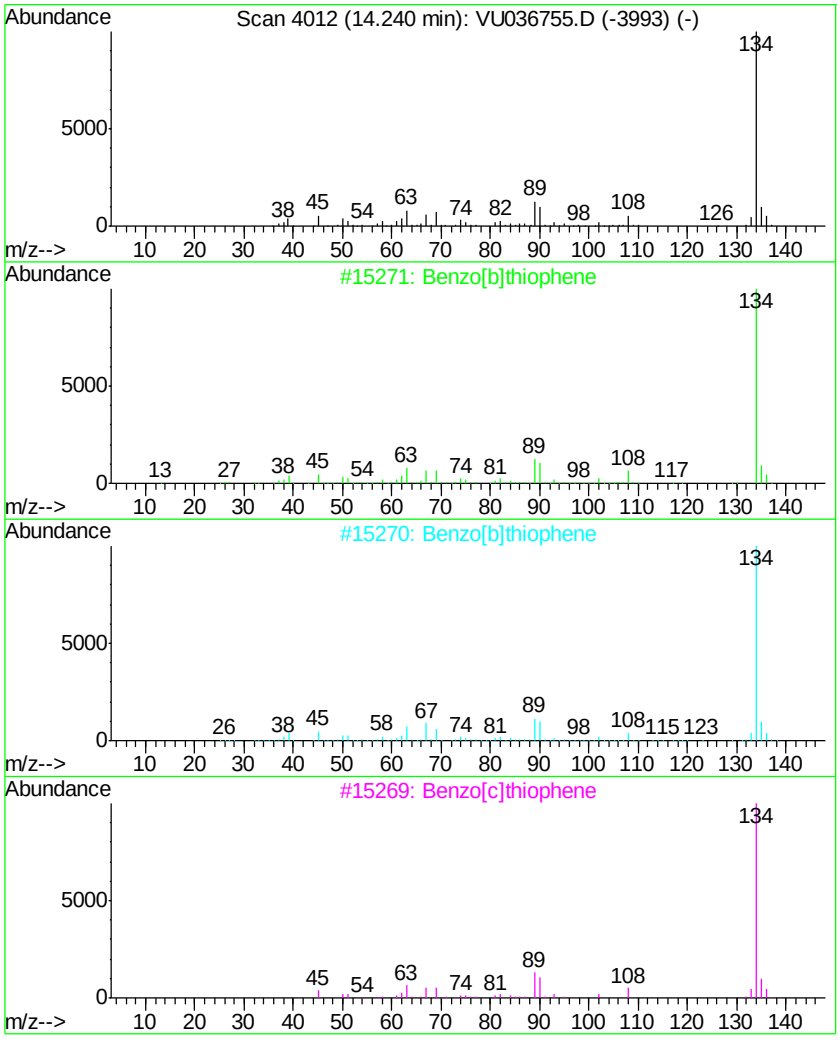
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

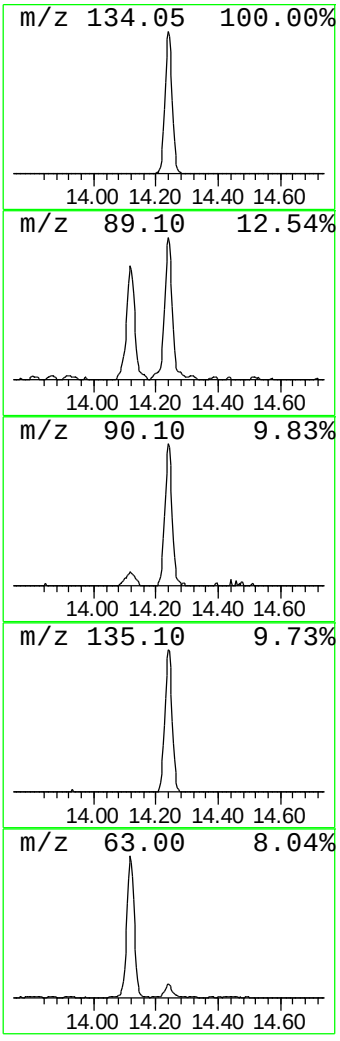
****

Peak Number 13 Benzo[b]thiophene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.24	3.60 ug/L	272470	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]thiophene	134	C8H6S	000095-15-8	97
2	Benzo[b]thiophene	134	C8H6S	000095-15-8	95
3	Benzo[c]thiophene	134	C8H6S	000270-82-6	95
4	Benzo[b]thiophene	134	C8H6S	000095-15-8	95
5	Cyclopenta[c]thiapyran	134	C8H6S	000270-63-3	94





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Data File : VU036755.D
Acq On : 12 Feb 2020 17:12
Operator : JC/MD
Sample : L1487-10
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DBCT9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021220WMA.M
Quant Title : TRACE VOA SOM01.0

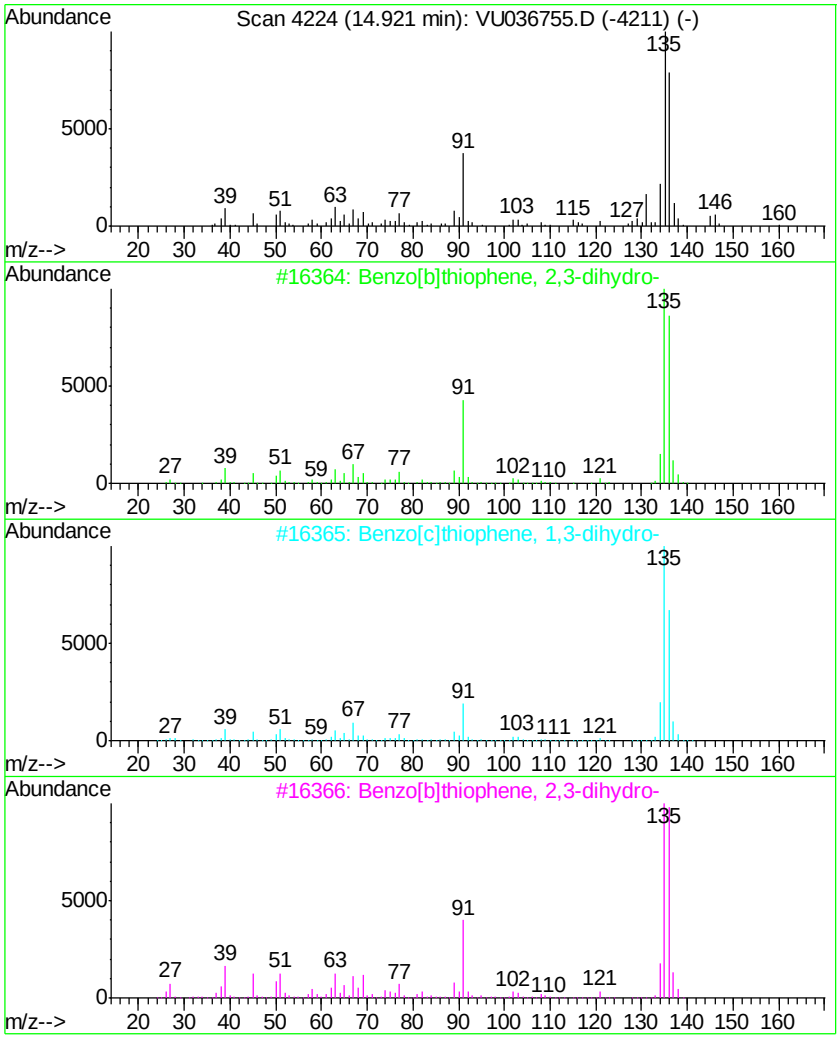
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

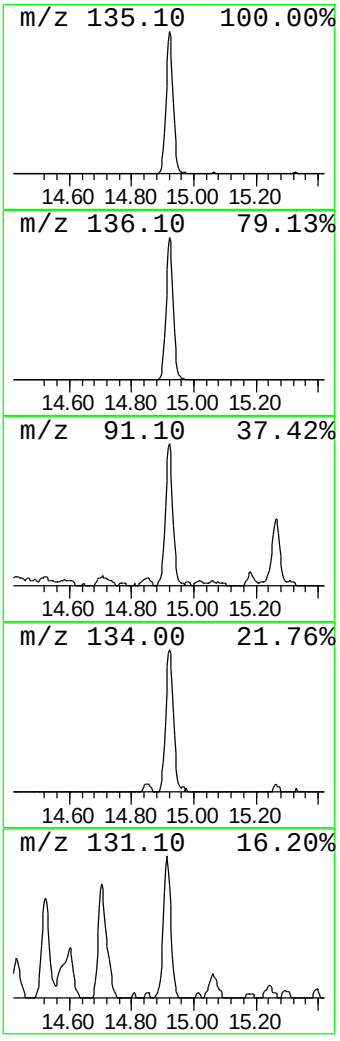
****

Peak Number 14 Benzo[b]thiophene, 2,3-dihy... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.92	1.80 ug/L	136412	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]thiophene, 2,3-dihydro-	136	C8H8S	004565-32-6	93
2	Benzo[c]thiophene, 1,3-dihydro-	136	C8H8S	002471-92-3	93
3	Benzo[b]thiophene, 2,3-dihydro-	136	C8H8S	004565-32-6	64
4	Benzaldehyde, 2-hydroxy-4-methyl-	136	C8H8O2	000698-27-1	64
5	4-Hydroxy-2-methylbenzaldehyde	136	C8H8O2	041438-18-0	64





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Data File : VU036755.D
Acq On : 12 Feb 2020 17:12
Operator : JC/MD
Sample : L1487-10
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DBCT9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021220WMA.M
Quant Title : TRACE VOA SOM01.0

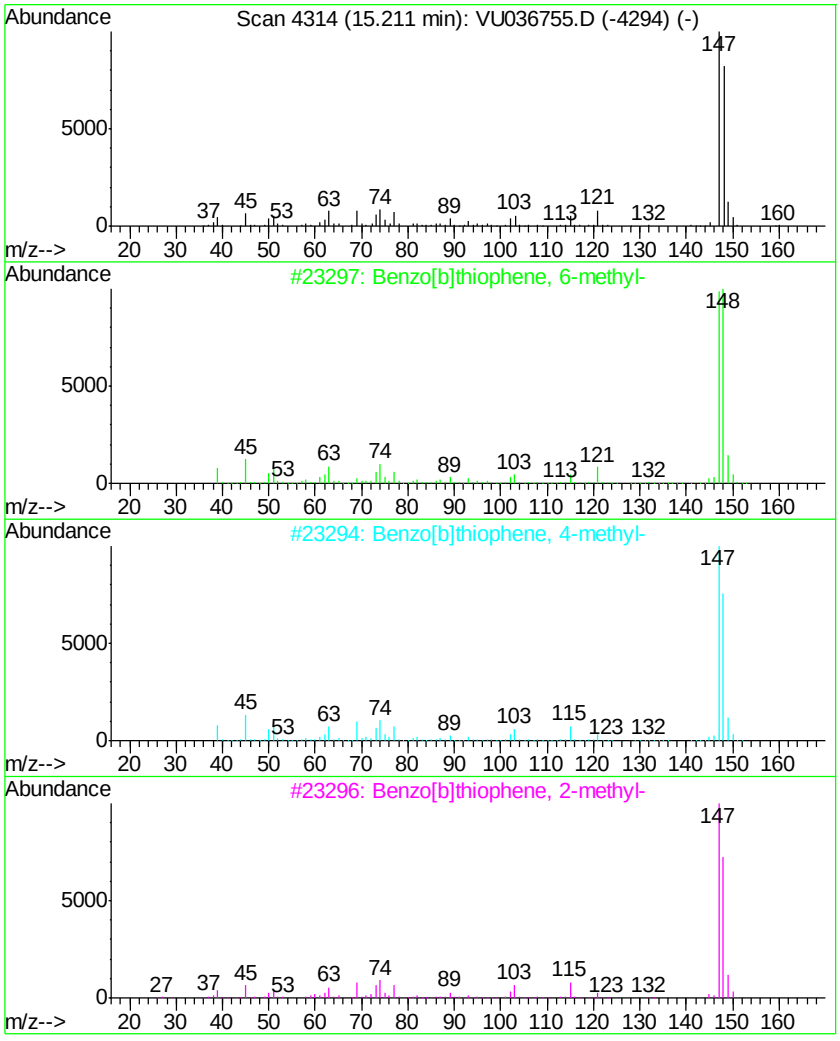
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

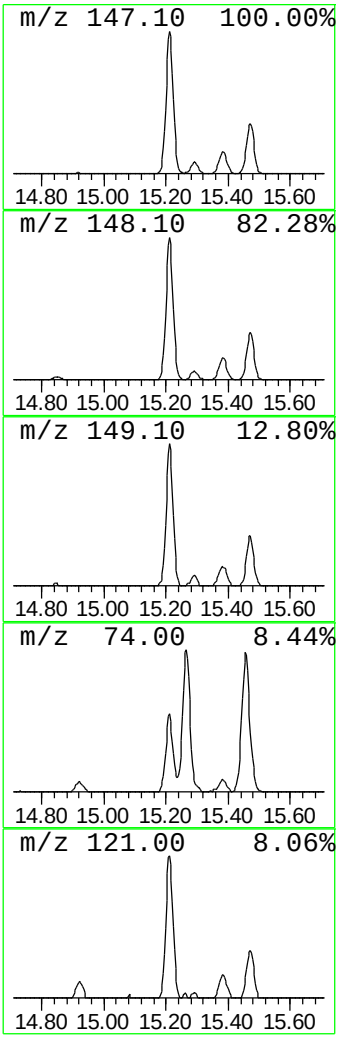
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.21	4.34 ug/L	328234	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	94
2	Benzo[b]thiophene, 4-methyl-	148	C9H8S	014315-11-8	91
3	Benzo[b]thiophene, 2-methyl-	148	C9H8S	001195-14-8	91
4	3-Methylbenzothiophene	148	C9H8S	001455-18-1	91
5	3-Methylbenzothiophene	148	C9H8S	001455-18-1	90





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU021220\
Data File : VU036755.D
Acq On : 12 Feb 2020 17:12
Operator : JC/MD
Sample : L1487-10
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DBCT9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021220WMA.M
Quant Title : TRACE VOA SOM01.0

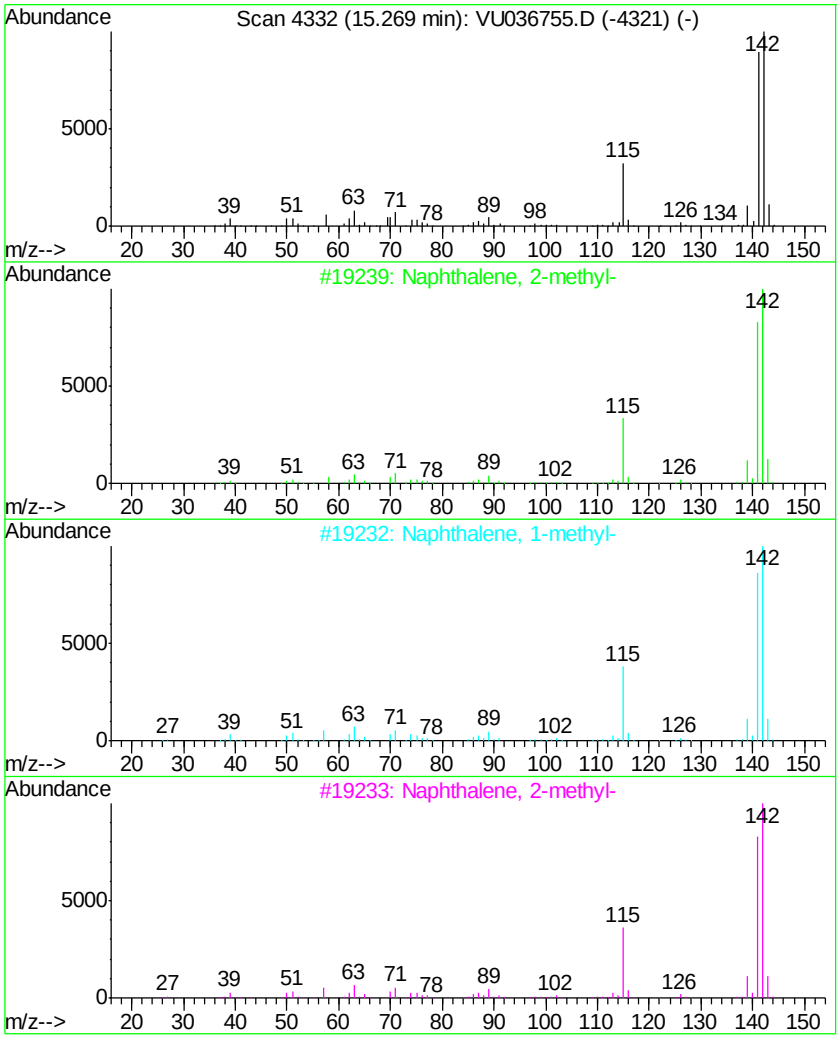
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

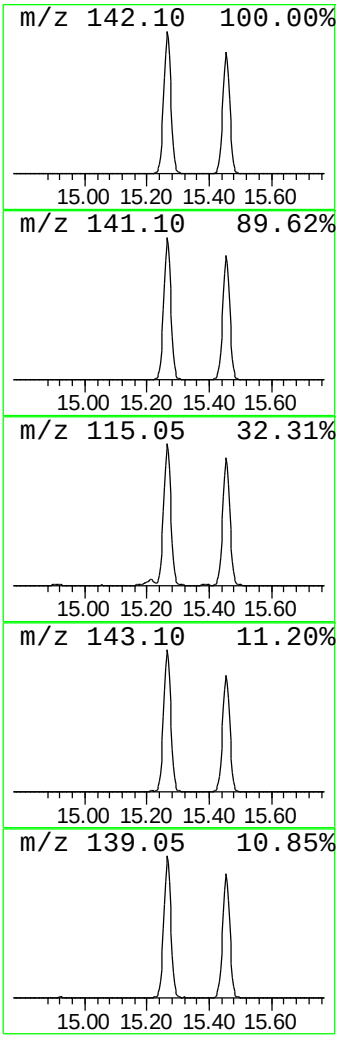
****

Peak Number 16 Naphthalene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.27	16.92 ug/L	1280400	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
3	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
4	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	94
5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU021220\
Data File : VU036755.D
Acq On : 12 Feb 2020 17:12
Operator : JC/MD
Sample : L1487-10
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DBCT9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021220WMA.M
Quant Title : TRACE VOA SOM01.0

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

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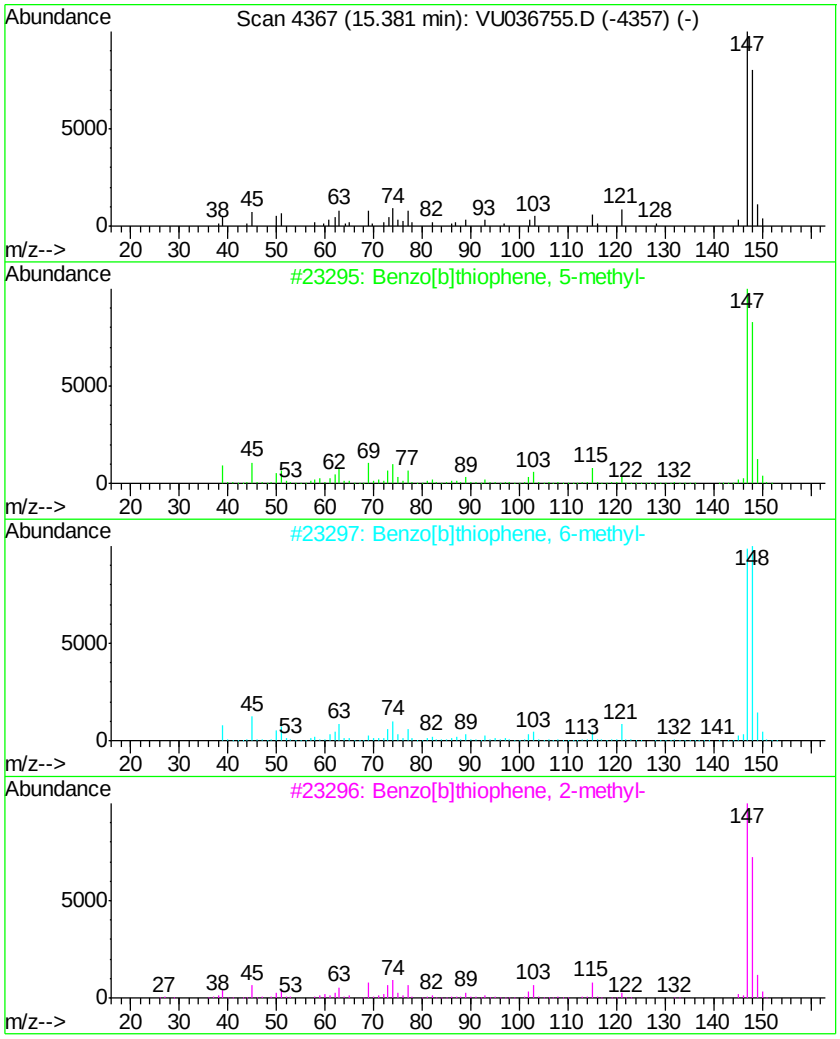
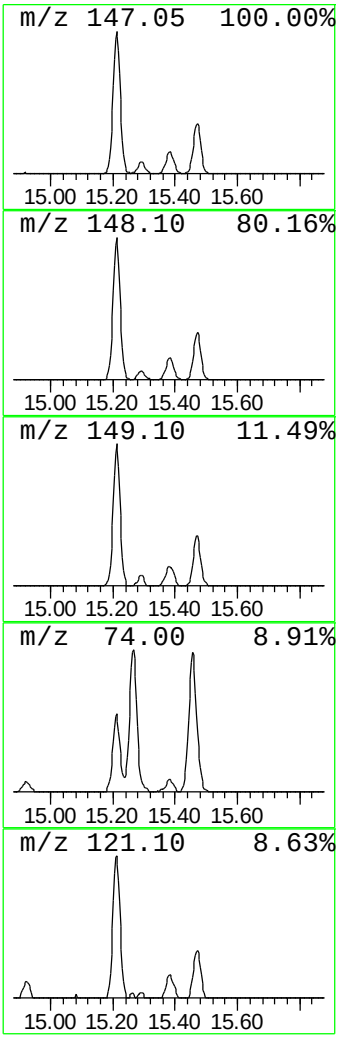
Peak Number 17 Benzo[b]thiophene, 5-methyl- Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.38	0.63 ug/L	47530	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	94
2	Benzo[b]thiophene, 6-methyl-	148	C9H8S	016587-47-6	94
3	Benzo[b]thiophene, 2-methyl-	148	C9H8S	001195-14-8	91
4	3-Methylbenzothiophene	148	C9H8S	001455-18-1	91
5	Benzo[b]thiophene, 4-methyl-	148	C9H8S	014315-11-8	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU021220\
Data File : VU036755.D
Acq On : 12 Feb 2020 17:12
Operator : JC/MD
Sample : L1487-10
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DBCT9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021220WMA.M
Quant Title : TRACE VOA SOM01.0

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

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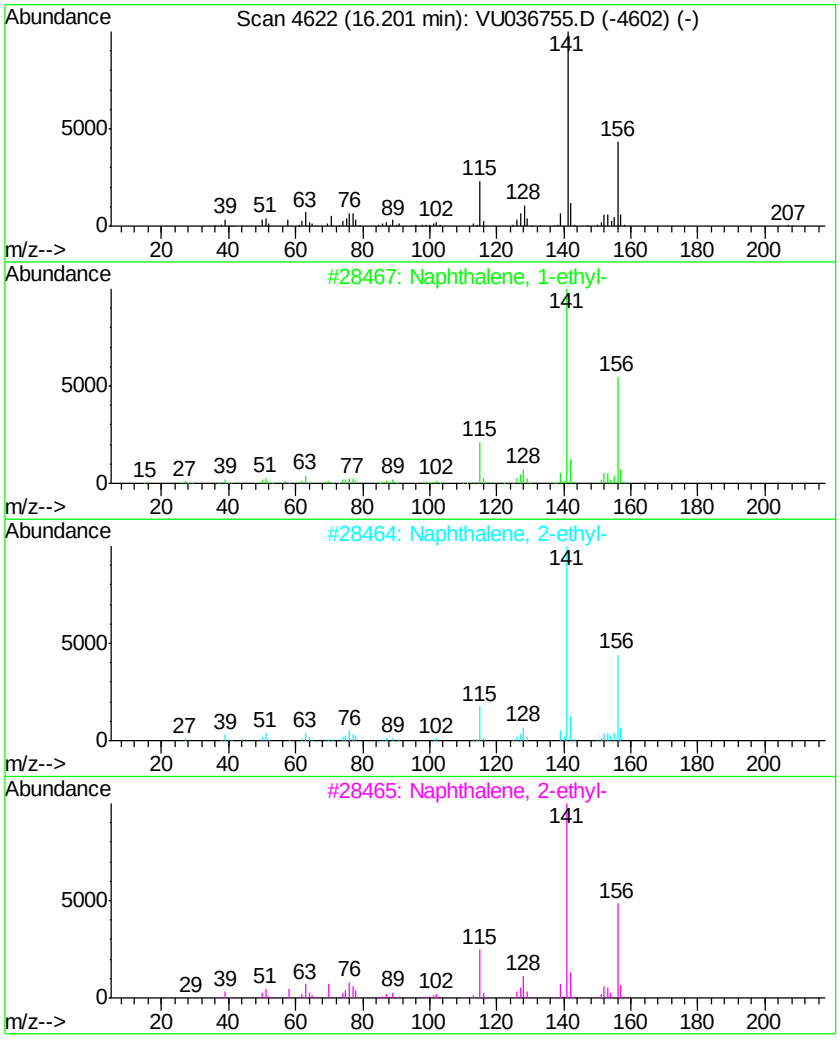
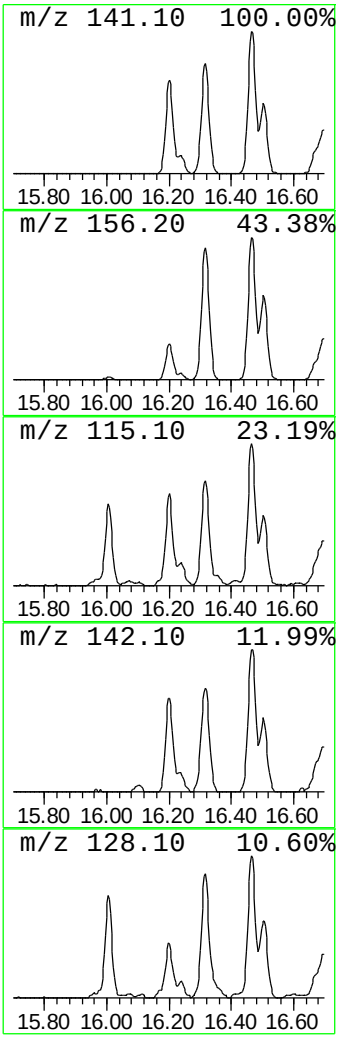
Peak Number 20 Naphthalene, 1-ethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.20	2.62 ug/L	198400	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	97
2	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	97
3	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	96
4	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	96
5	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	93





Library Search Compound Report

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Data File : VU036755.D
Acq On : 12 Feb 2020 17:12
Operator : JC/MD
Sample : L1487-10
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DBCT9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021220WMA.M
Quant Title : TRACE VOA SOM01.0

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

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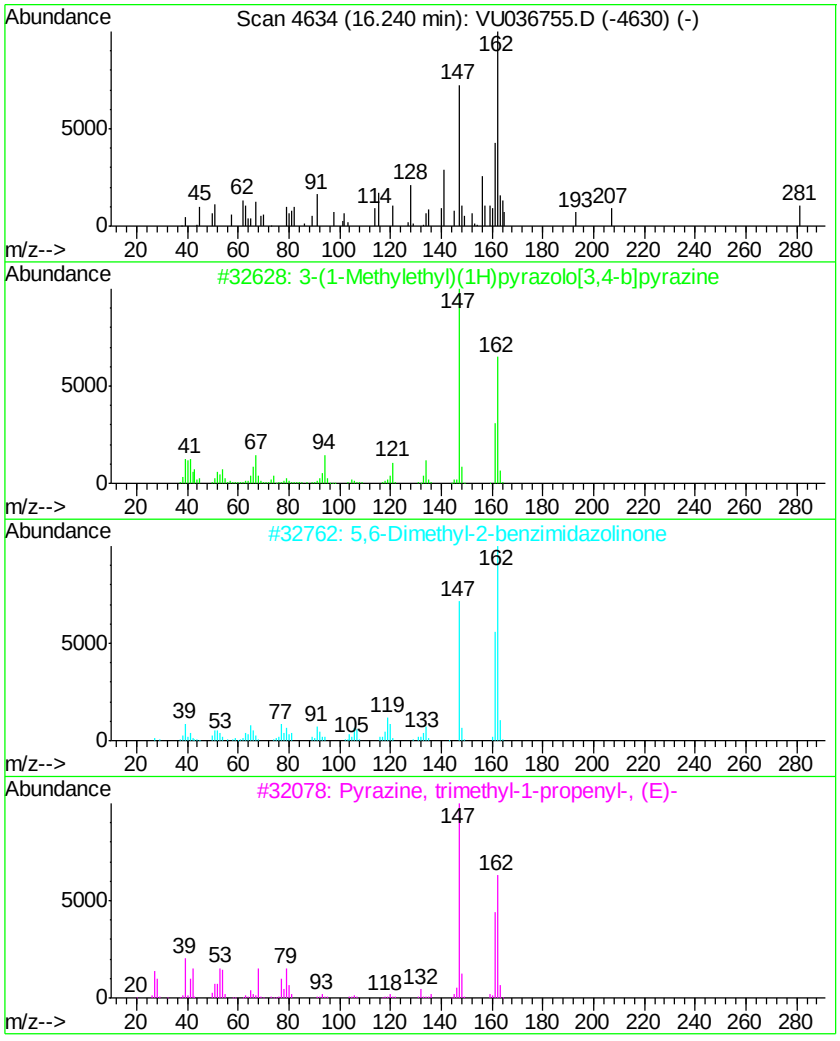
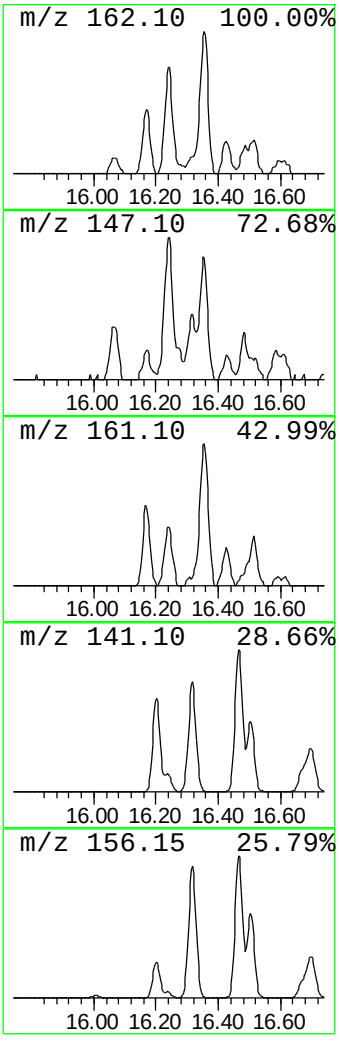
Peak Number 21 unknown-01 Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.24	0.68 ug/L	51551	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-(1-Methylethyl)(1H)pyrazolo[3,...	162	C8H10N4	1000108-62-9	43
2	5,6-Dimethyl-2-benzimidazolinone	162	C9H10N2O	002033-30-9	43
3	Pyrazine, trimethyl-1-propenyl-,...	162	C10H14N2	055138-79-9	38
4	1-(4-Hydroxybenzylidene)acetone	162	C10H10O2	003160-35-8	38
5	Benzene, 1-methyl-4-[(methylthio...	162	C10H10S	017293-64-0	38





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Data File : VU036755.D
Acq On : 12 Feb 2020 17:12
Operator : JC/MD
Sample : L1487-10
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DBCT9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021220WMA.M
Quant Title : TRACE VOA SOM01.0

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

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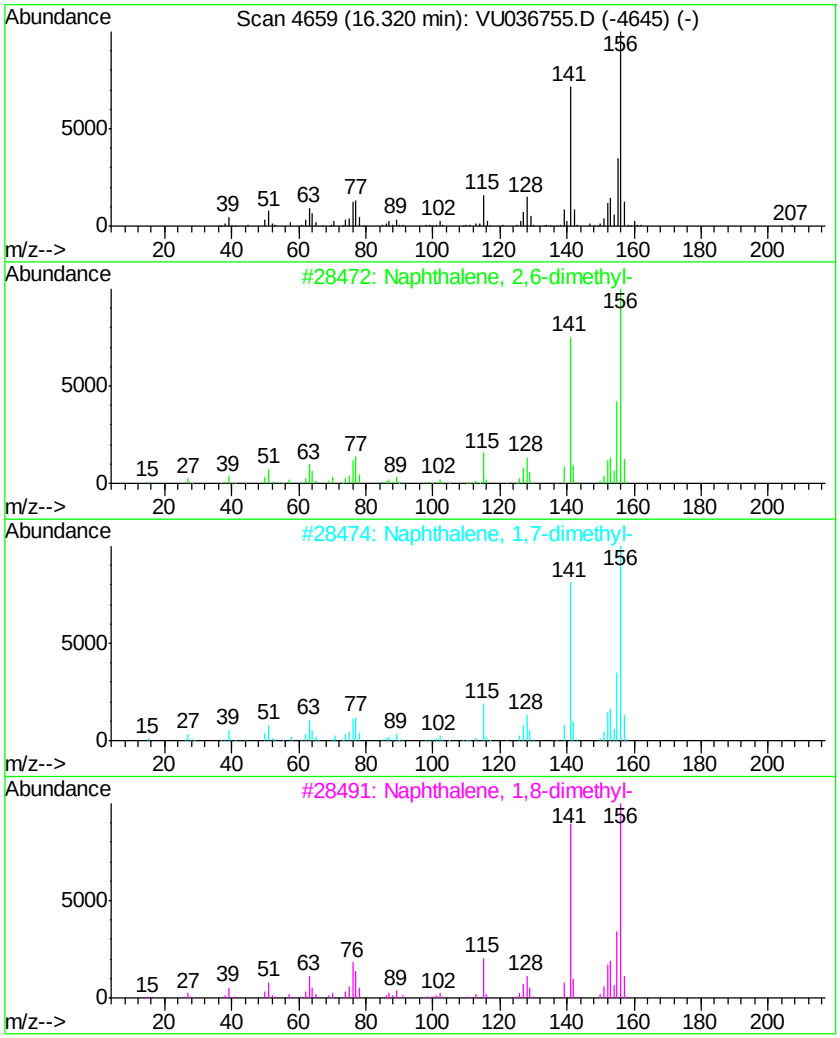
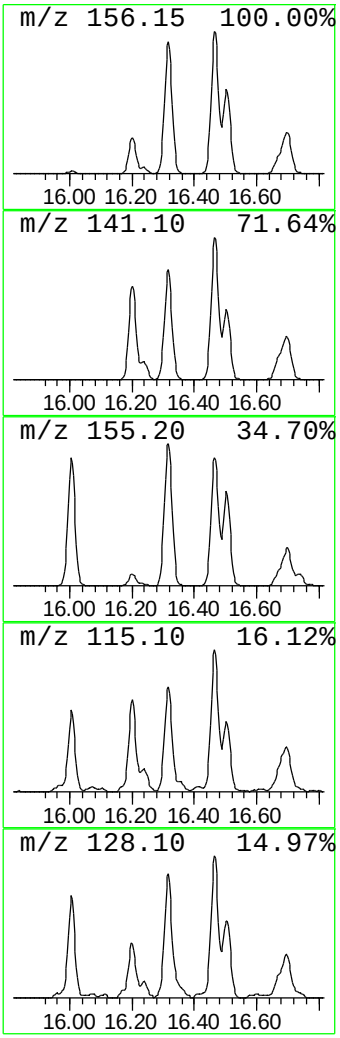
Peak Number 22 Naphthalene, 2,6-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.32	6.15 ug/L	465103	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	98
2	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	98
3	Naphthalene, 1,8-dimethyl-	156	C12H12	000569-41-5	98
4	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	98
5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	98





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU021220\
Data File : VU036755.D
Acq On : 12 Feb 2020 17:12
Operator : JC/MD
Sample : L1487-10
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DBCT9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021220WMA.M
Quant Title : TRACE VOA SOM01.0

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

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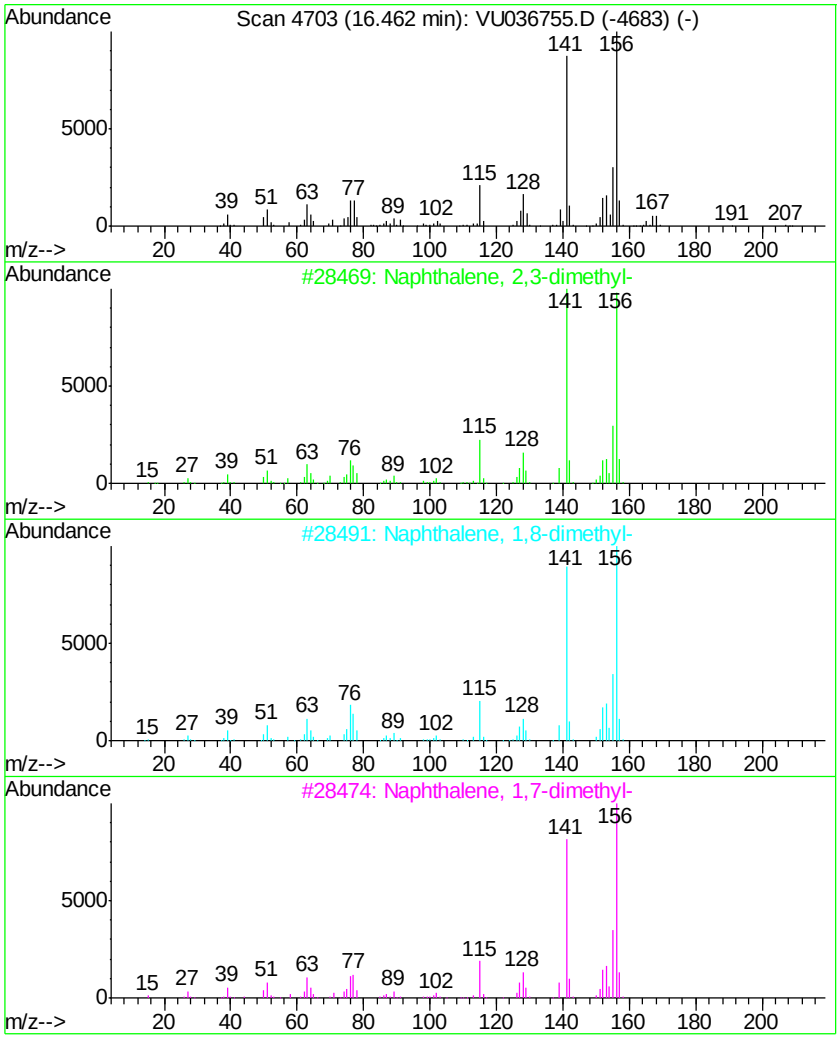
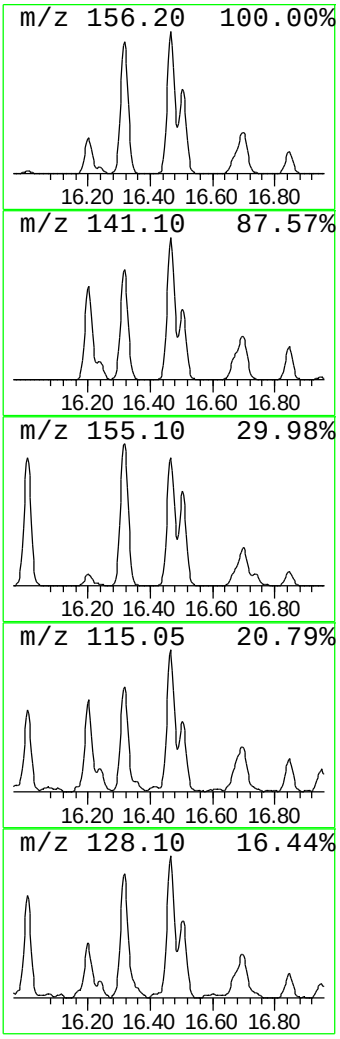
Peak Number 23 Naphthalene, 2,3-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.46	6.84 ug/L	517312	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2	Naphthalene, 1,8-dimethyl-	156	C12H12	000569-41-5	98
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	98
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	98
5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	98





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU021220\
Data File : VU036755.D
Acq On : 12 Feb 2020 17:12
Operator : JC/MD
Sample : L1487-10
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DBCT9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021220WMA.M
Quant Title : TRACE VOA SOM01.0

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

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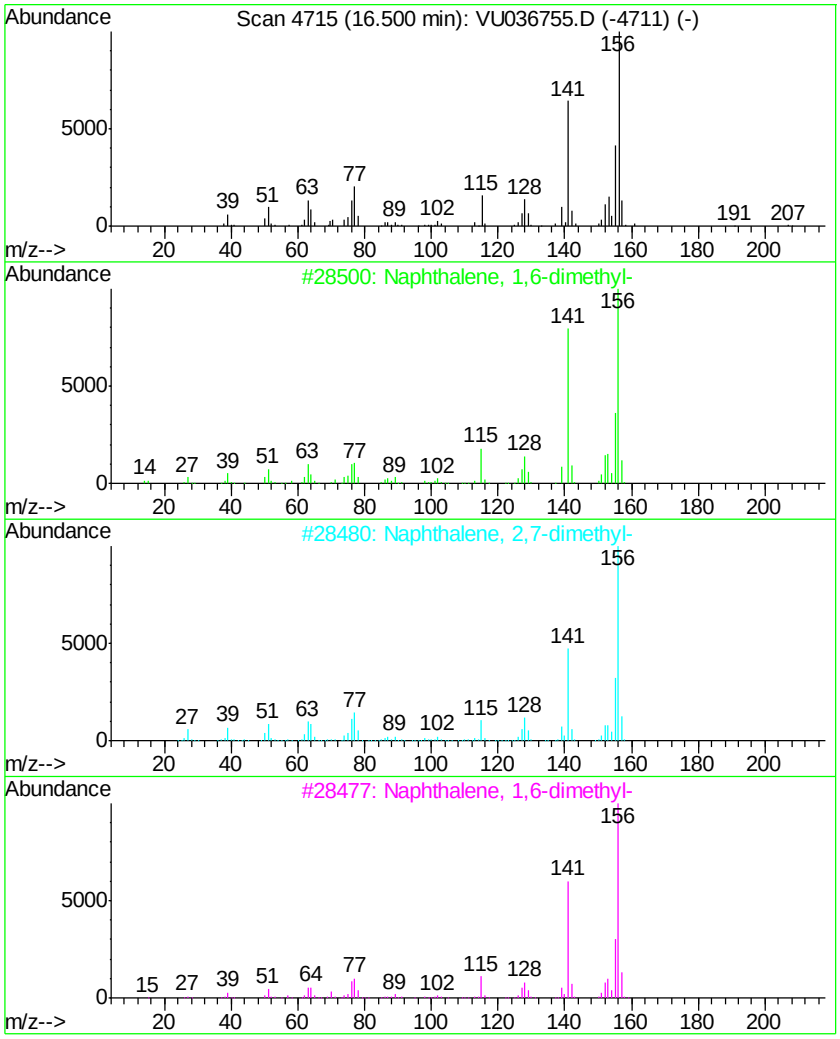
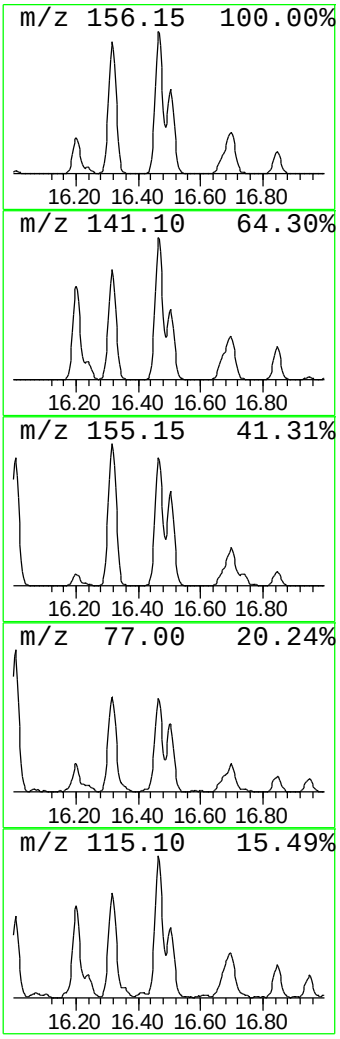
Peak Number 24 Naphthalene, 1,6-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.50	3.35 ug/L	253661	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	98
2	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
4	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU021220\
Data File : VU036755.D
Acq On : 12 Feb 2020 17:12
Operator : JC/MD
Sample : L1487-10
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DBCT9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021220WMA.M
Quant Title : TRACE VOA SOM01.0

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

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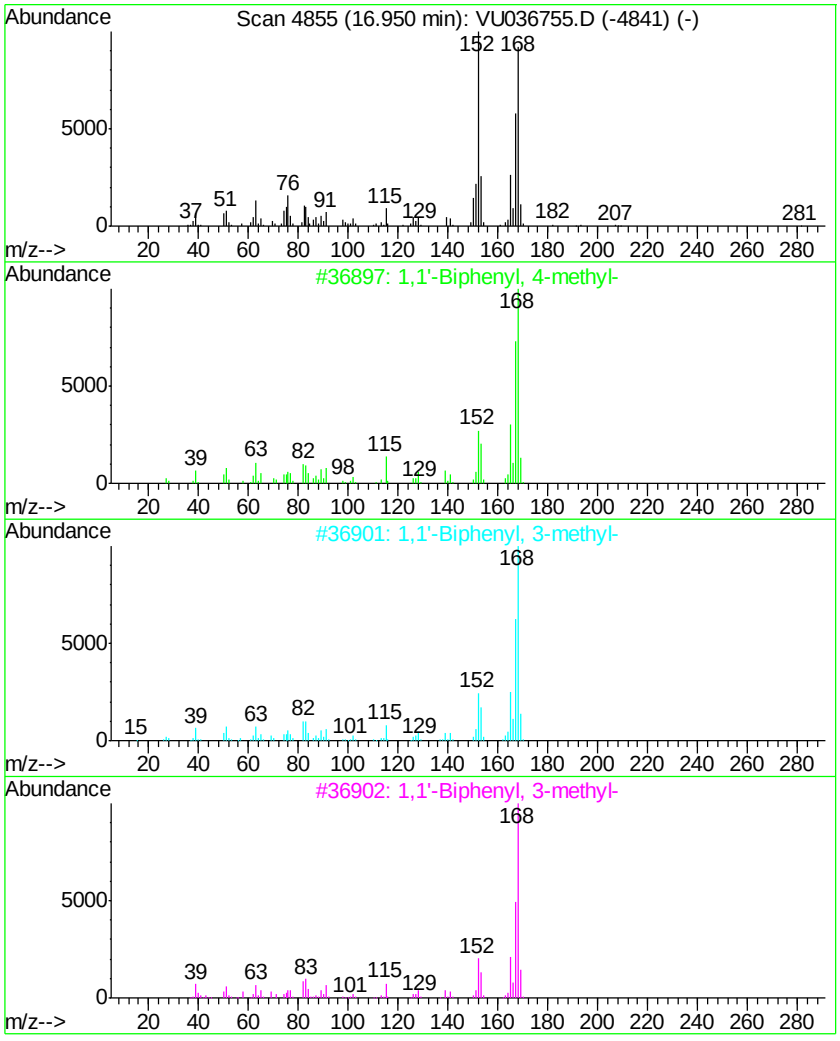
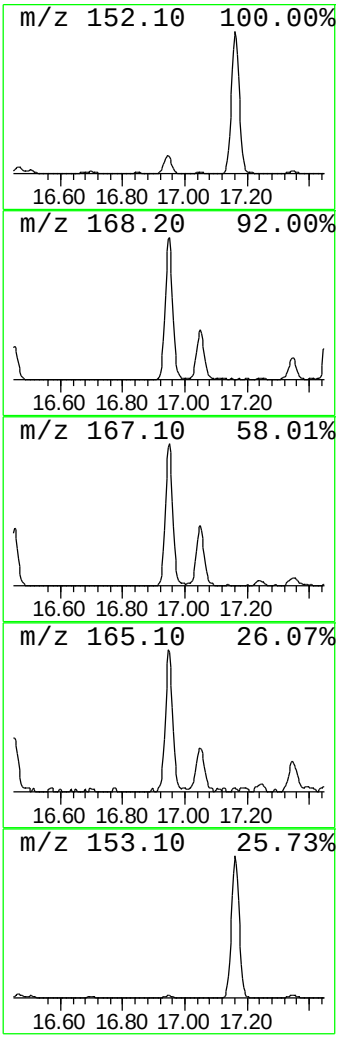
Peak Number 27 1,1'-Biphenyl, 4-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.95	2.72 ug/L	205890	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	87
2	1,1'-Biphenyl, 3-methyl-	168	C13H12	000643-93-6	87
3	1,1'-Biphenyl, 3-methyl-	168	C13H12	000643-93-6	55
4	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	55
5	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	55





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU021220\
Data File : VU036755.D
Acq On : 12 Feb 2020 17:12
Operator : JC/MD
Sample : L1487-10
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DBCT9

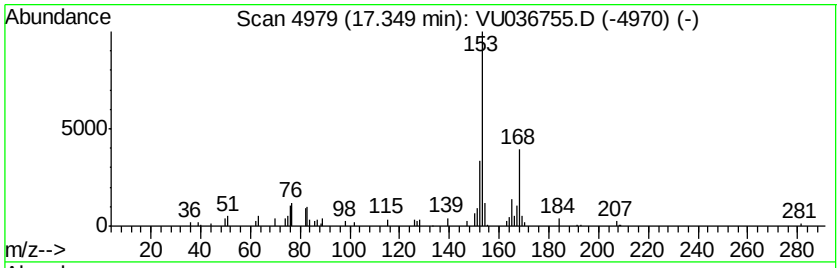
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021220WMA.M
Quant Title : TRACE VOA SOM01.0

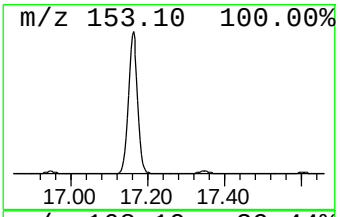
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

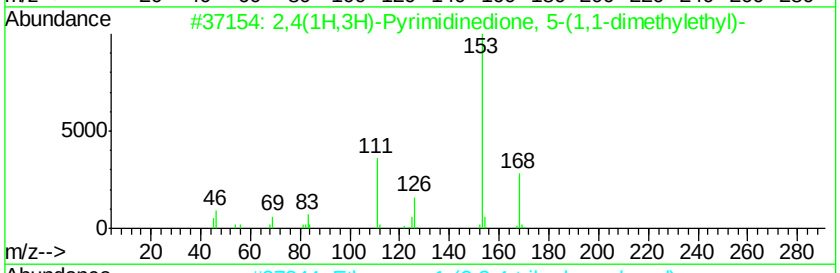
****
Peak Number 30 2,4(1H,3H)-Pyrimidinedione,... Concentration Rank 31

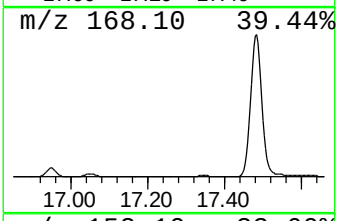
R.T.	EstConc	Area	Relative to ISTD	R.T.
17.35	0.55 ug/L	41972	1,4-Dichlorobenzene-d4	11.83

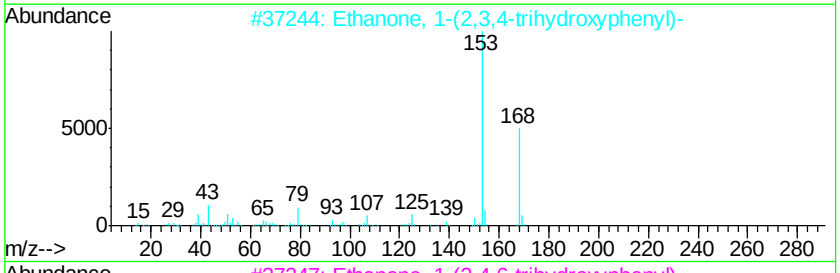
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4(1H,3H)-Pyrimidinedione, 5-(1...	168	C8H12N2O2	017432-97-2	50
2	Ethanone, 1-(2,3,4-trihydroxyphe...	168	C8H8O4	000528-21-2	50
3	Ethanone, 1-(2,4,6-trihydroxyphe...	168	C8H8O4	000480-66-0	49
4	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	49
5	Ethanone, 1-(2,4,6-trihydroxyphe...	168	C8H8O4	000480-66-0	47

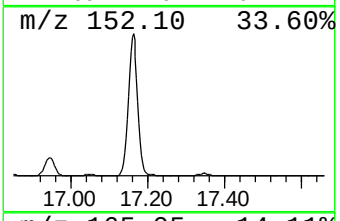


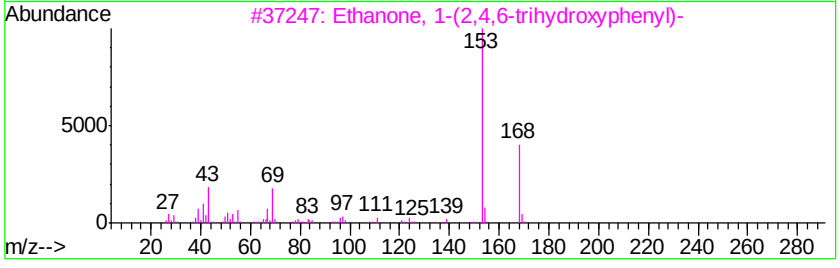


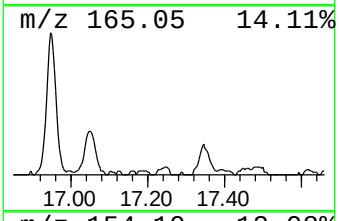


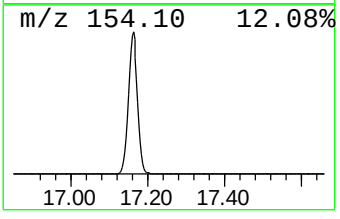












Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU021220\
Data File : VU036755.D
Acq On : 12 Feb 2020 17:12
Operator : JC/MD
Sample : L1487-10
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DBCT9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021220WMA.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
Indane	12.11	5.6	ug/L	424849	3	11.83	378405	5.0
Indene	12.33	0.9	ug/L	69350	3	11.83	378405	5.0
Indan, 1-methyl-	12.70	2.7	ug/L	207407	3	11.83	378405	5.0
Benzofuran, 7-met...	12.95	7.1	ug/L	539634	3	11.83	378405	5.0
Benzofuran, 2-met...	13.13	1.4	ug/L	103775	3	11.83	378405	5.0
Benzene, 2-etheny...	13.32	1.2	ug/L	93955	3	11.83	378405	5.0
1H-Indene, 2,3-di...	13.48	1.0	ug/L	76881	3	11.83	378405	5.0
Naphthalene, 1,2,...	13.65	0.7	ug/L	54029	3	11.83	378405	5.0
Benzo[b]thiophene	14.24	3.6	ug/L	272470	3	11.83	378405	5.0
Benzo[b]thiophene...	14.92	1.8	ug/L	136412	3	11.83	378405	5.0
Benzo[b]thiophene...	15.21	4.3	ug/L	328234	3	11.83	378405	5.0
Naphthalene, 1-me...	15.27	16.9	ug/L	1280400	3	11.83	378405	5.0
Benzo[b]thiophene...	15.38	0.6	ug/L	47530	3	11.83	378405	5.0
Naphthalene, 1-et...	16.20	2.6	ug/L	198400	3	11.83	378405	5.0
unknown-01	16.24	0.7	ug/L	51551	3	11.83	378405	5.0
Naphthalene, 2,6-...	16.32	6.2	ug/L	465103	3	11.83	378405	5.0
Naphthalene, 2,3-...	16.46	6.8	ug/L	517312	3	11.83	378405	5.0
Naphthalene, 1,6-...	16.50	3.4	ug/L	253661	3	11.83	378405	5.0
1,1'-Biphenyl, 4-...	16.95	2.7	ug/L	205890	3	11.83	378405	5.0
2,4(1H,3H)-Pyrimi...	17.35	0.6	ug/L	41972	3	11.83	378405	5.0