LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU021320\
Data File : VU036773.D
Acq On : 13 Feb 2020 15:43
Operator : JC/MD
Sample : L1487-22
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DBCX2

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	77	85	98	rBV	71526	76446	1.63%	0.224%
2	1.932	175	184	197	rVB	62250	81103	1.73%	0.237%
3	2.591	377	389	403	rBV	107797	175483	3.74%	0.513%
4	4.674	1020	1037	1070	rBV	81209	199315	4.25%	0.583%
5	5.105	1154	1171	1196	rBV2	85965	198977	4.24%	0.582%
6	5.764	1354	1376	1399	rBV2	198776	504257	10.75%	1.475%
7	6.285	1519	1538	1557	rBV	169224	313747	6.69%	0.918%
8	6.726	1658	1675	1691	rBV	122312	236583	5.04%	0.692%
9	7.594	1933	1945	1965	rBV	62424	110383	2.35%	0.323%
10	7.925	2035	2048	2061	rBV	251623	427757	9.12%	1.251%
11	7.996	2061	2070	2086	rVB	28689	48175	1.03%	0.141%
12	8.205	2124	2135	2148	rBV	39544	64872	1.38%	0.190%
13	8.661	2264	2277	2302	rBV	293978	516436	11.01%	1.511%
14	9.439	2504	2519	2539	rBV	230197	381722	8.14%	1.117%
15	9.591	2553	2566	2586	rBV	153425	243623	5.19%	0.713%
16	9.713	2590	2604	2619	rBV	205130	337879	7.20%	0.988%
17	10.121	2719	2731	2747	rVB	130277	213117	4.54%	0.623%
18	10.777	2924	2935	2951	rVB2	92402	150968	3.22%	0.442%
19	11.015	2994	3009	3014	rBV	73812	125705	2.68%	0.368%
20	11.105	3027	3037	3048	rVB	70068	105007	2.24%	0.307%
21	11.308	3090	3100	3114	rBV	32289	53024	1.13%	0.155%
22	11.484	3141	3155	3168	rBV	322821	491138	10.47%	1.437%
23	11.748	3225	3237	3248	rBV	205035	331434	7.07%	0.969%
24	11.828	3248	3262	3276	rVB2	250623	419744	8.95%	1.228%
25	11.912	3276	3288	3298	rBV	109137	170624	3.64%	0.499%
26	12.111	3334	3350	3368	rBV	2570550	3959751	84.43%	11.582%
27	12.208	3368	3380	3394	rVB2	278522	448725	9.57%	1.312%
28	12.327	3402	3417	3433	rBV	2583705	4062709	86.62%	11.883%
29	12.590	3487	3499	3506	rBV	75195	113811	2.43%	0.333%
30	12.700	3521	3533	3552	rBV	171255	274300	5.85%	0.802%
31	12.947	3600	3610	3618	rBV	153198	235355	5.02%	0.688%
32	12.996	3618	3625	3632	rBV	49798	62731	1.34%	0.183%
33	13.050	3632	3642	3653	rBV	405010	729394	15.55%	2.133%
34	13.320	3715	3726	3740	rVB	217858	335576	7.16%	0.982%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU021320\
Data File : VU036773.D
Acq On : 13 Feb 2020 15:43
Operator : JC/MD
Sample : L1487-22
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DBCX2

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	13.481	3756	3776	3788	rBV2	350658	581772	12.40%	1.702%
36	13.549	3788	3797	3807	rVB	71508	112614	2.40%	0.329%
37	13.655	3818	3830	3848	rVB3	100866	167392	3.57%	0.490%
38	14.118	3958	3974	3993	rBV	2931605	4690042	100.00%	13.718%
39	14.240	3994	4012	4022	rBV	221429	366982	7.82%	1.073%
40	14.918	4211	4223	4235	rVB3	26850	47817	1.02%	0.140%
41	15.211	4297	4314	4320	rBV	90790	159021	3.39%	0.465%
42	15.266	4320	4331	4355	rVV	1379218	2244925	47.87%	6.566%
43	15.385	4357	4368	4377	rVV	45662	77197	1.65%	0.226%
44	15.455	4377	4390	4416	rVB	2081241	3370442	71.86%	9.858%
45	16.005	4538	4561	4574	rBV	708199	1157445	24.68%	3.385%
46	16.201	4603	4622	4630	rBV	196204	342193	7.30%	1.001%
47	16.317	4646	4658	4683	rVB	215294	412212	8.79%	1.206%
48	16.465	4683	4704	4712	rBV	324207	568517	12.12%	1.663%
49	16.503	4713	4716	4728	rVB2	104873	140398	2.99%	0.411%
50	16.674	4759	4769	4771	rBV2	33837	47732	1.02%	0.140%
51	16.848	4814	4823	4835	rBV3	30947	51246	1.09%	0.150%
52	16.947	4843	4854	4866	rBV2	61844	102182	2.18%	0.299%
53	17.163	4906	4921	4941	rBV	1667033	2899928	61.83%	8.482%
54	17.346	4969	4978	4989	rBV	46296	82463	1.76%	0.241%
55	17.481	5006	5020	5040	rBV	183898	366293	7.81%	1.071%

Sum of corrected areas: 34188684

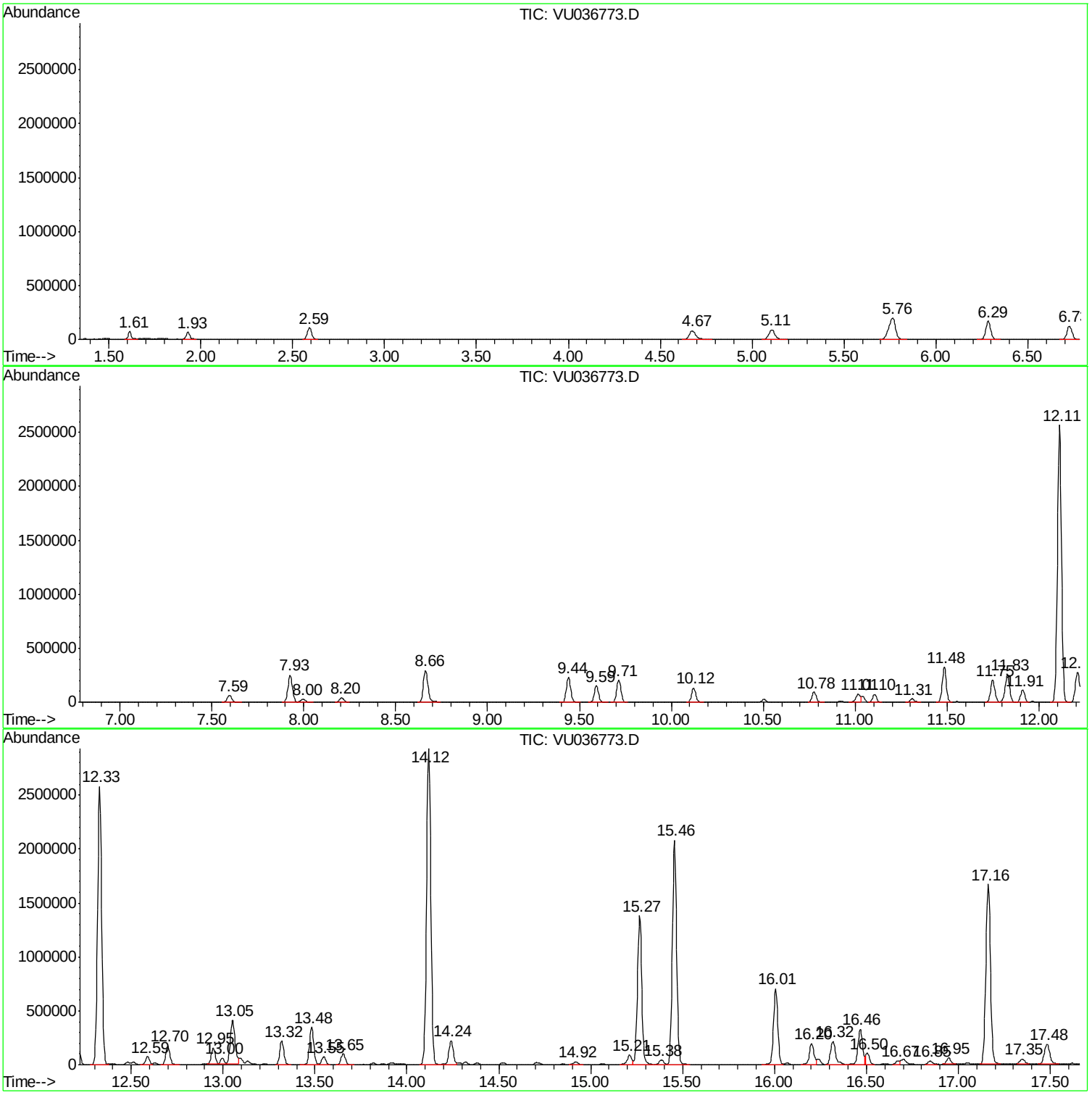
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU021320\
Data File : VU036773.D
Acq On : 13 Feb 2020 15:43
Operator : JC/MD
Sample : L1487-22
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DBCX2

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\VU021320\
Data File : VU036773.D
Acq On : 13 Feb 2020 15:43
Operator : JC/MD
Sample : L1487-22
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DBCX2

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

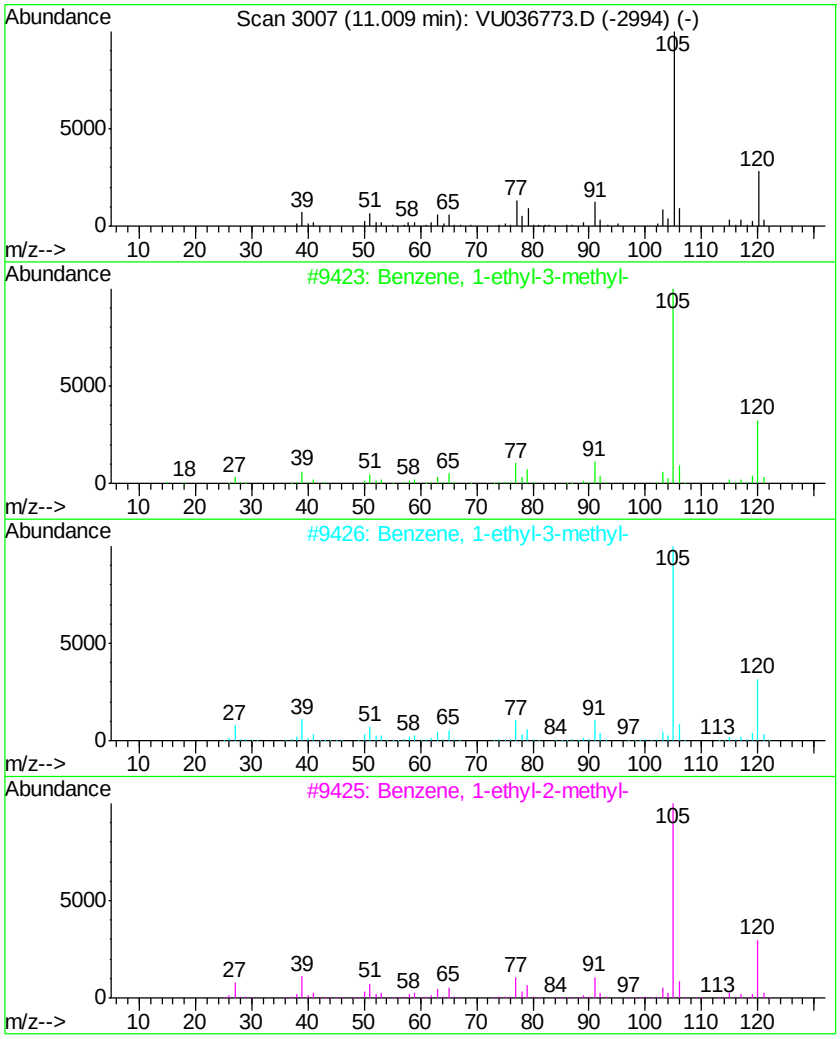
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

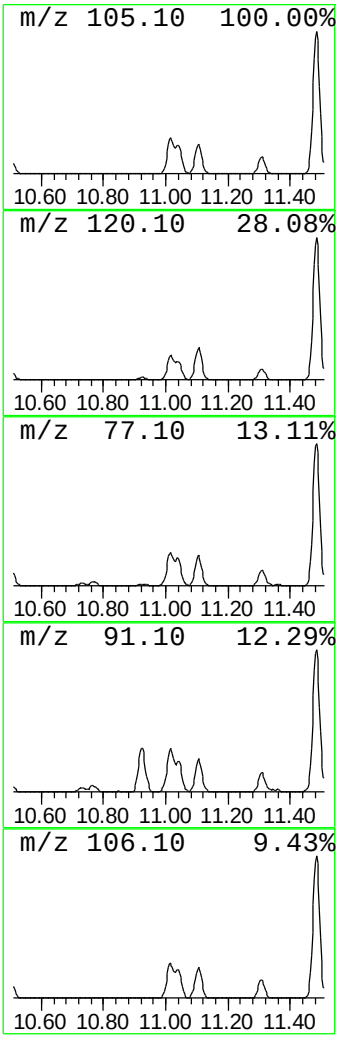
****

Peak Number 2 Benzene, 1-ethyl-3-methyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.01	1.50 ug/L	125705	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	97
2	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	95
3	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
4	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU021320\
Data File : VU036773.D
Acq On : 13 Feb 2020 15:43
Operator : JC/MD
Sample : L1487-22
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DBCX2

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

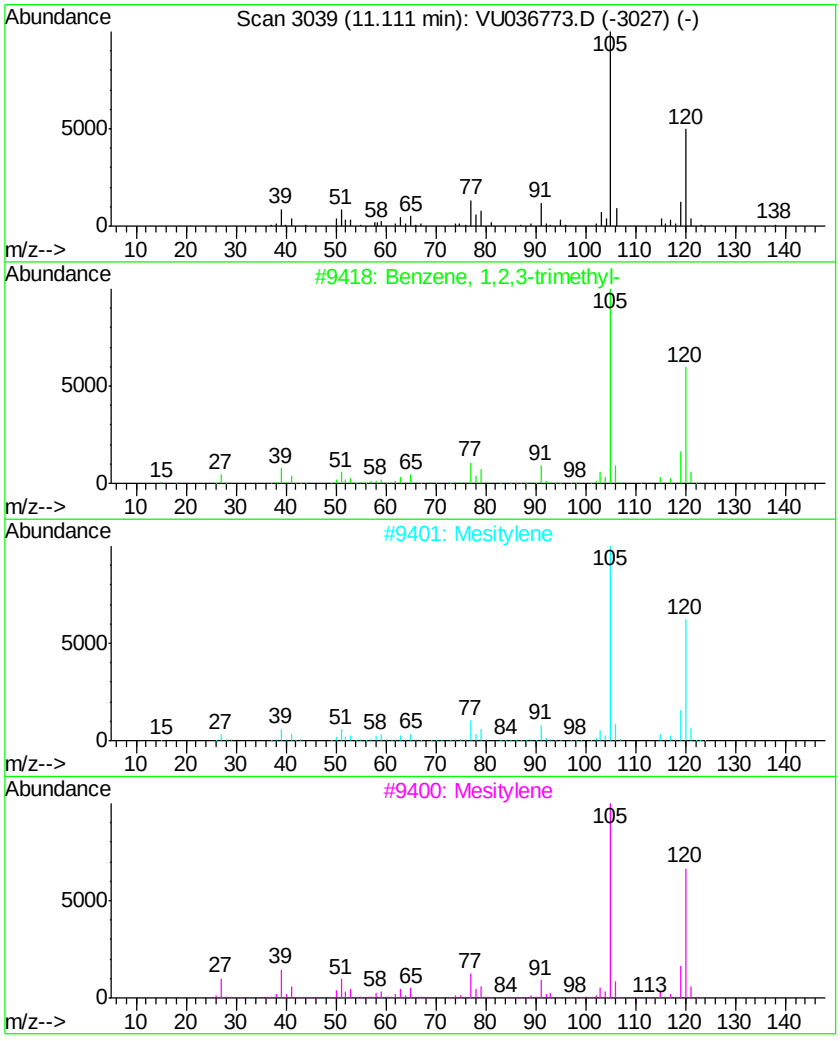
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

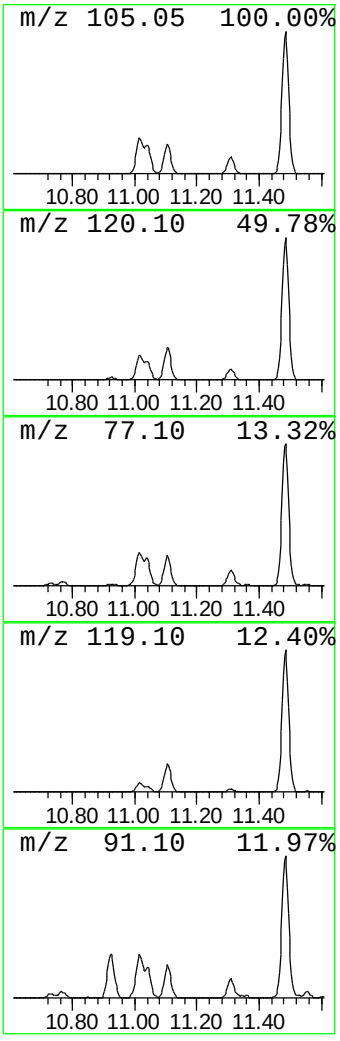
****

Peak Number 3 Benzene, 1,2,3-trimethyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.11	1.25 ug/L	105007	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	97
2	Mesitylene	120	C9H12	000108-67-8	95
3	Mesitylene	120	C9H12	000108-67-8	95
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	95
5	Mesitylene	120	C9H12	000108-67-8	94





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU021320\
Data File : VU036773.D
Acq On : 13 Feb 2020 15:43
Operator : JC/MD
Sample : L1487-22
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DBCX2

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

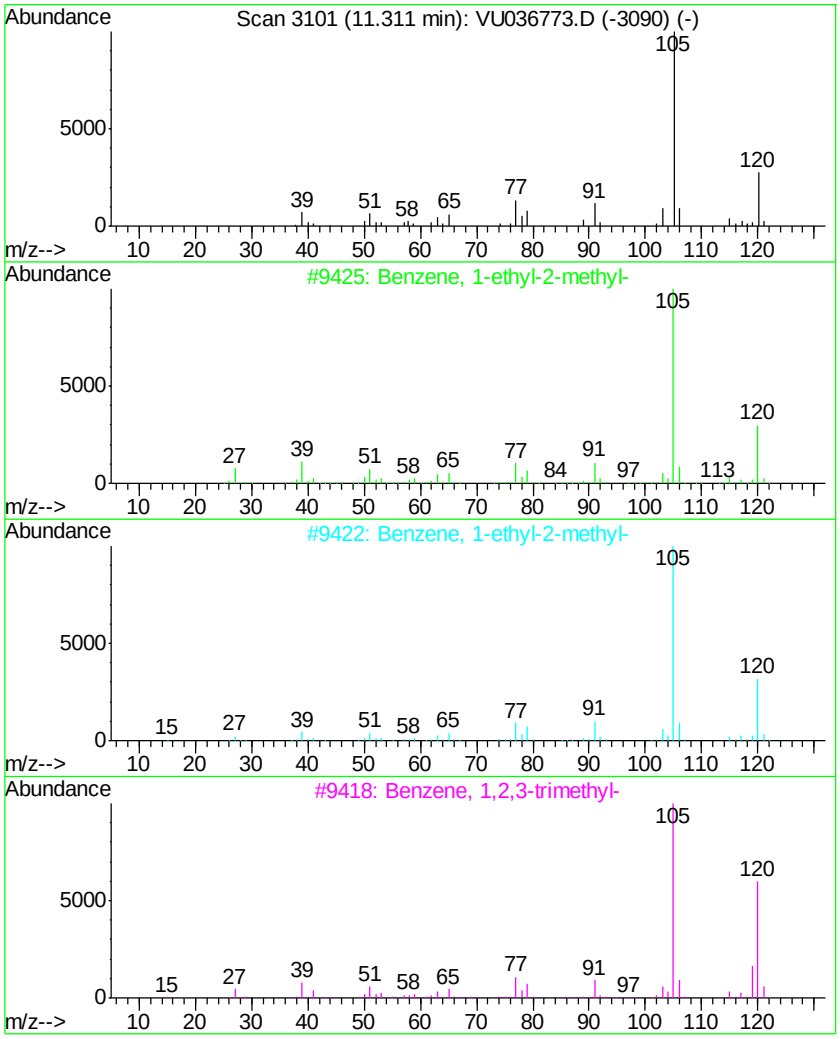
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

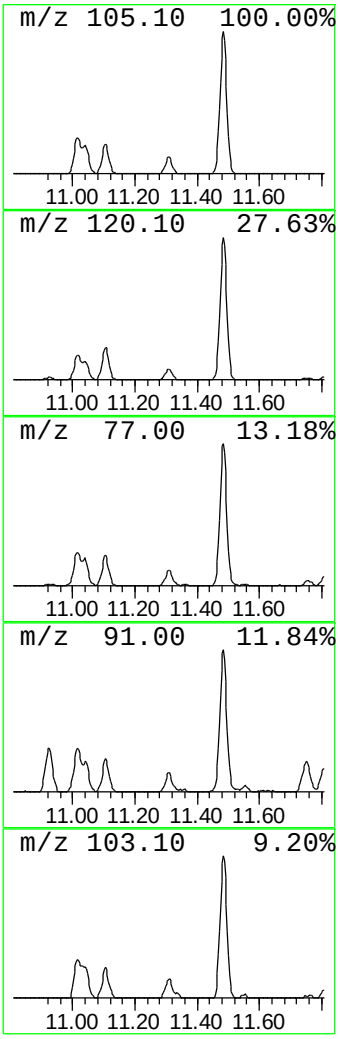
****

Peak Number 4 Benzene, 1-ethyl-2-methyl- Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.31	0.63 ug/L	53024	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	91
3	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	90
4	Mesitylene	120	C9H12	000108-67-8	90
5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	90





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU021320\
Data File : VU036773.D
Acq On : 13 Feb 2020 15:43
Operator : JC/MD
Sample : L1487-22
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DBCX2

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

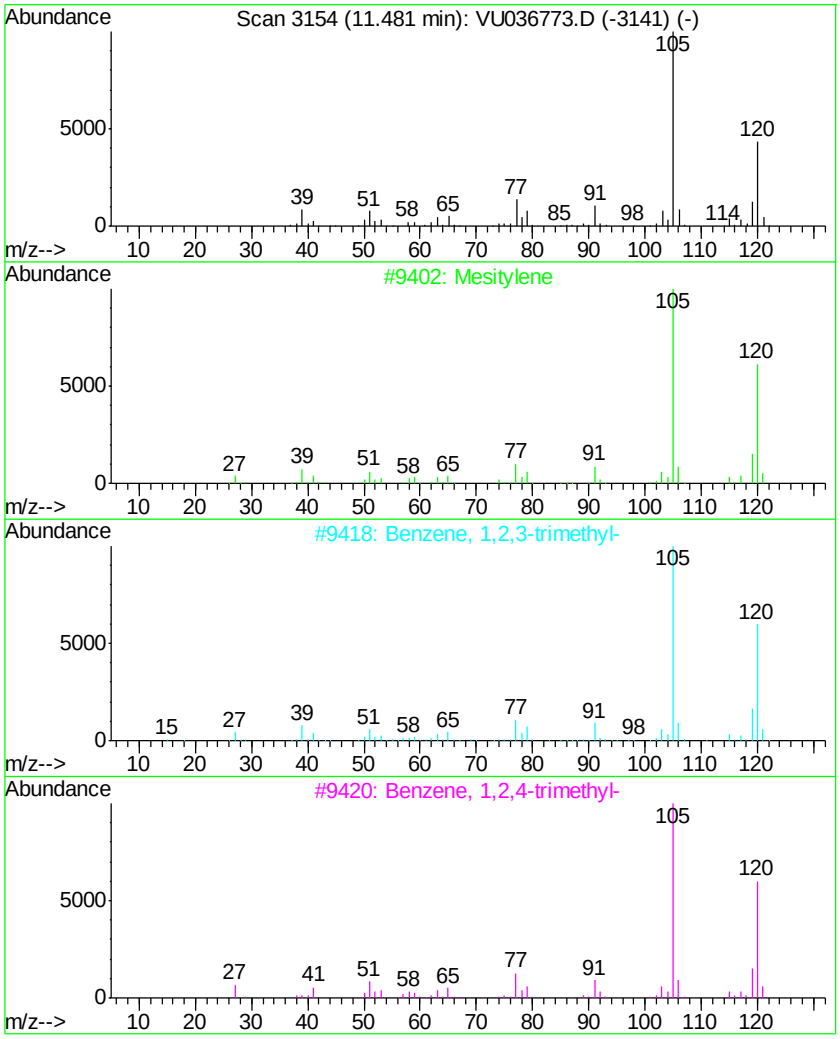
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

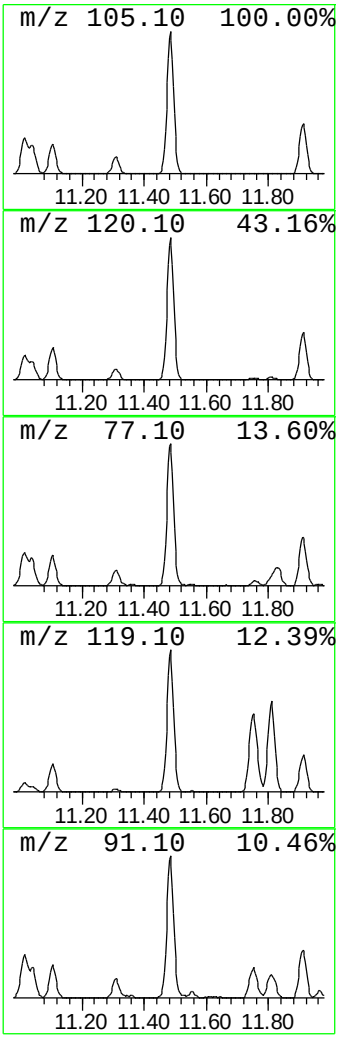
****

Peak Number 5 Mesitylene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.48	5.85 ug/L	491138	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Mesitylene	120	C9H12	000108-67-8	97
2	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	97
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	95
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	93





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU021320\
Data File : VU036773.D
Acq On : 13 Feb 2020 15:43
Operator : JC/MD
Sample : L1487-22
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DBCX2

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

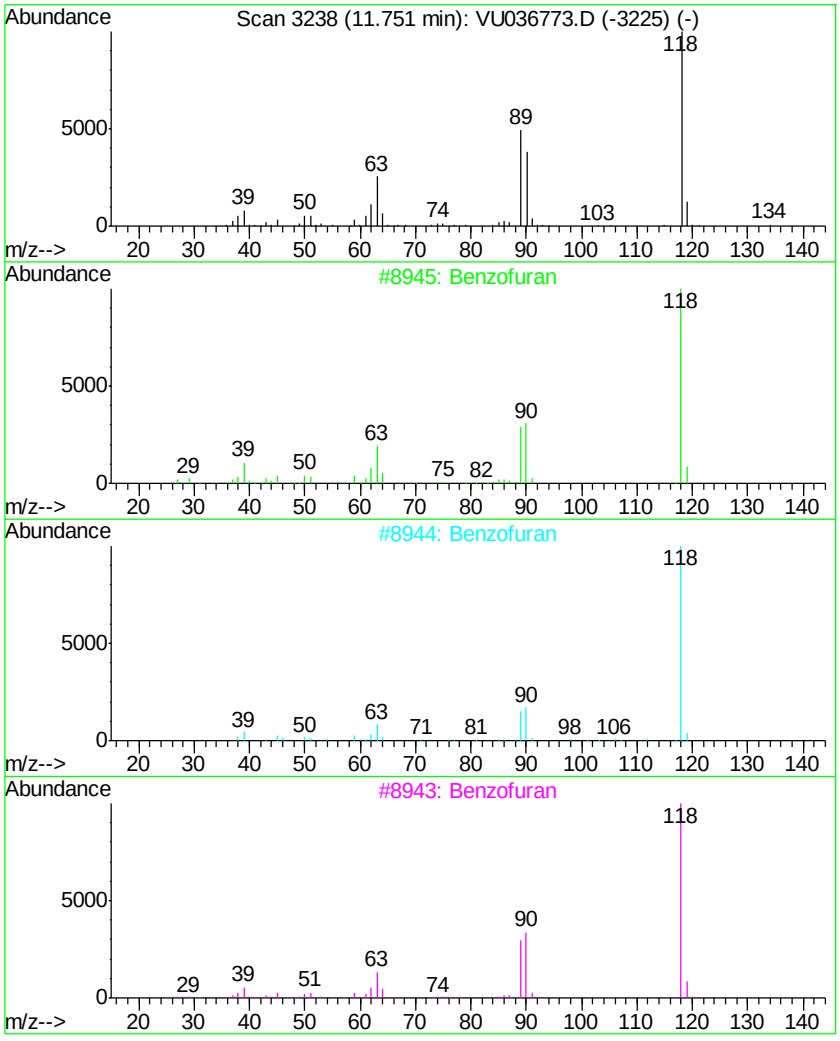
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

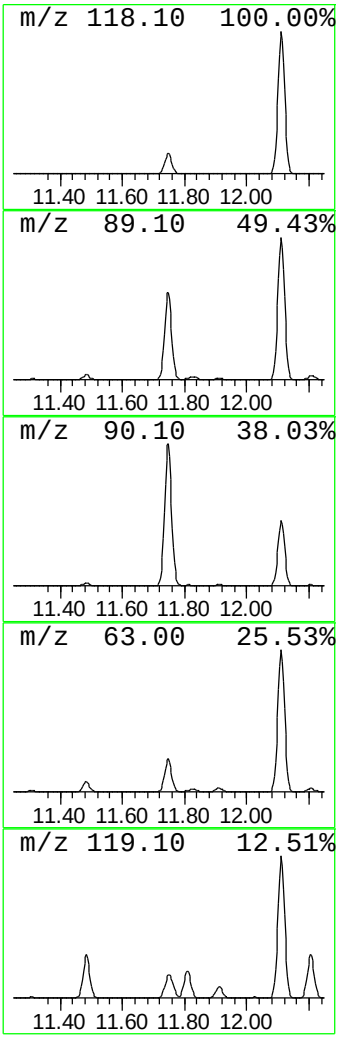
****

Peak Number 6 Benzofuran Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.75	3.95 ug/L	331434	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzofuran	118	C8H6O	000271-89-6	91
2	Benzofuran	118	C8H6O	000271-89-6	90
3	Benzofuran	118	C8H6O	000271-89-6	87
4	2H-Cyclopenta[d]pyridazine	118	C7H6N2	000270-64-4	42
5	3-Hydroxyphenylacetylene	118	C8H6O	010401-11-3	40





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU021320\
Data File : VU036773.D
Acq On : 13 Feb 2020 15:43
Operator : JC/MD
Sample : L1487-22
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DBCX2

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

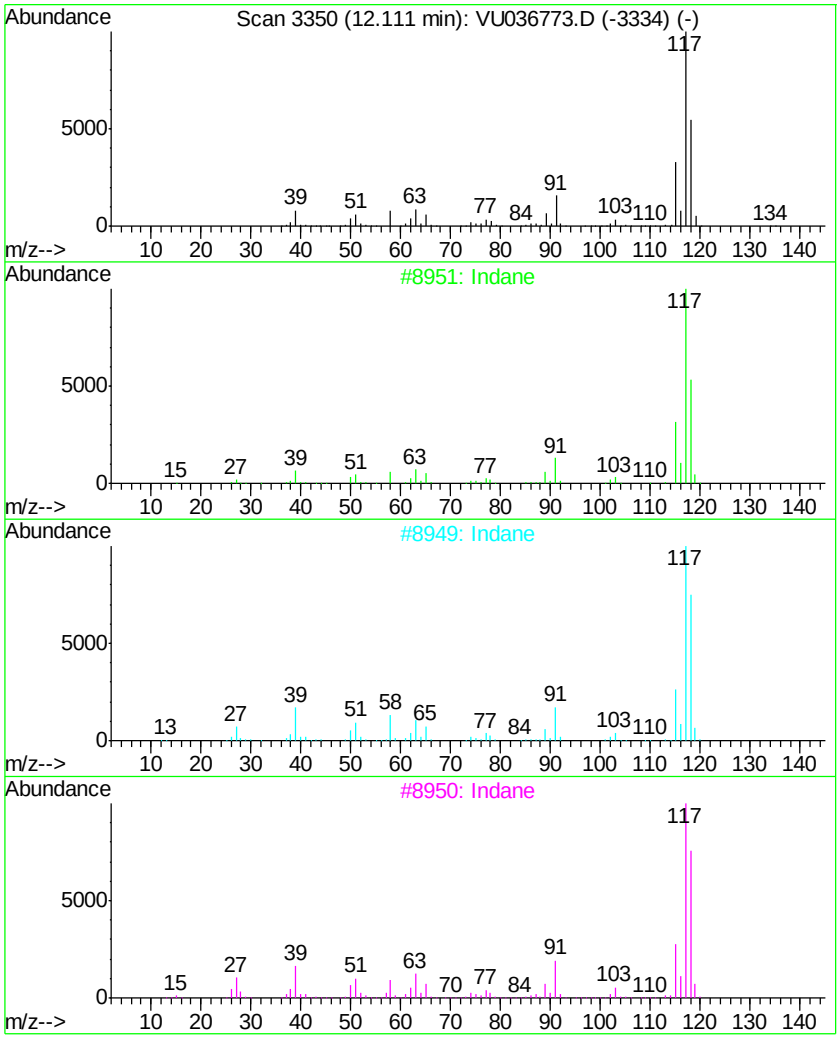
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

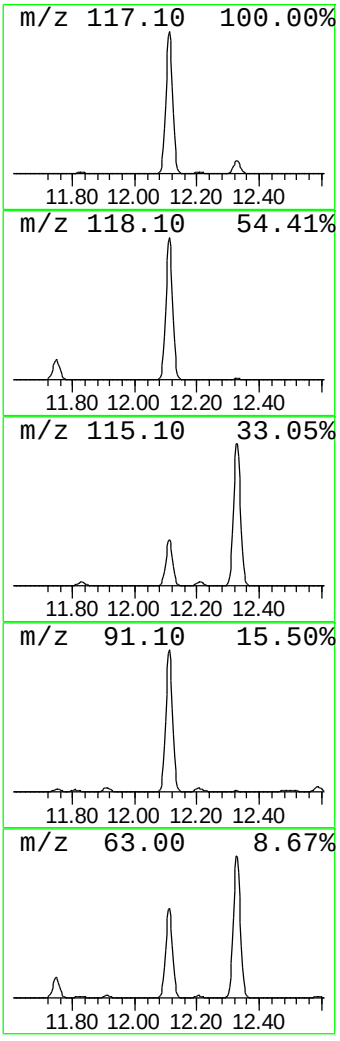
****

Peak Number 8 Indane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.11	47.17 ug/L	3959750	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	93
2	Indane	118	C9H10	000496-11-7	92
3	Indane	118	C9H10	000496-11-7	90
4	Indane	118	C9H10	000496-11-7	87
5	Deltacyclene	118	C9H10	007785-10-6	74





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU021320\
Data File : VU036773.D
Acq On : 13 Feb 2020 15:43
Operator : JC/MD
Sample : L1487-22
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DBCX2

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

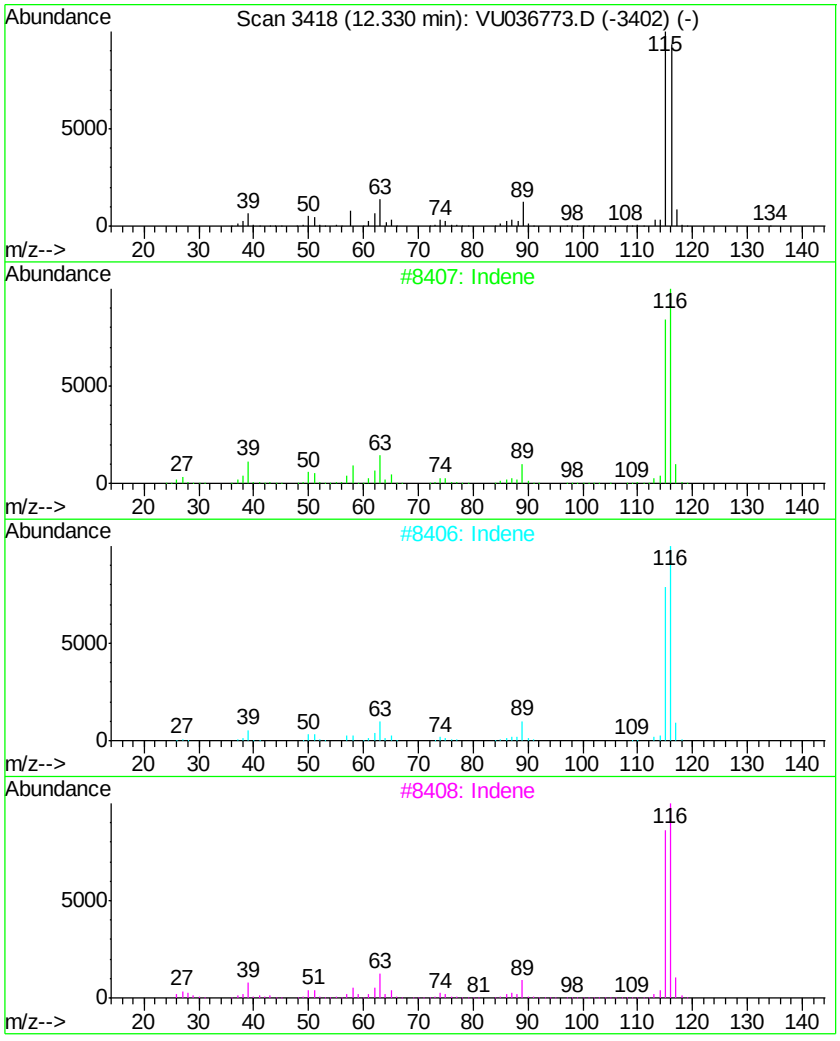
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

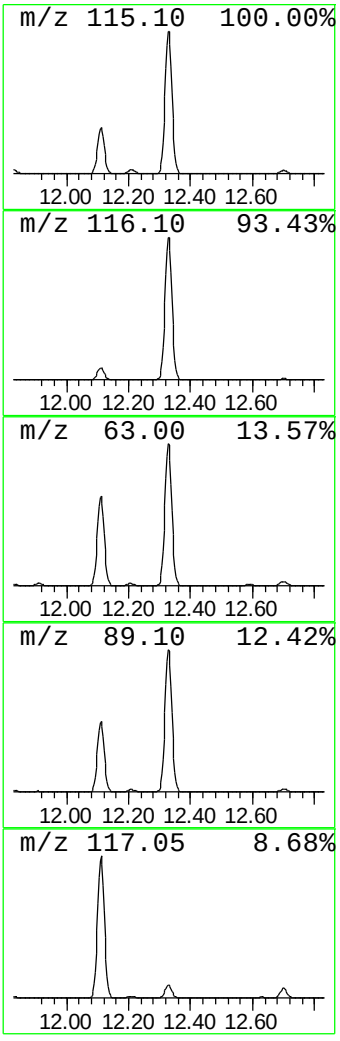
****

Peak Number 9 Indene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.33	48.40 ug/L	4062710	1,4-Dichlorobenzene-d4	11.83

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





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU021320\
Data File : VU036773.D
Acq On : 13 Feb 2020 15:43
Operator : JC/MD
Sample : L1487-22
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DBCX2

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

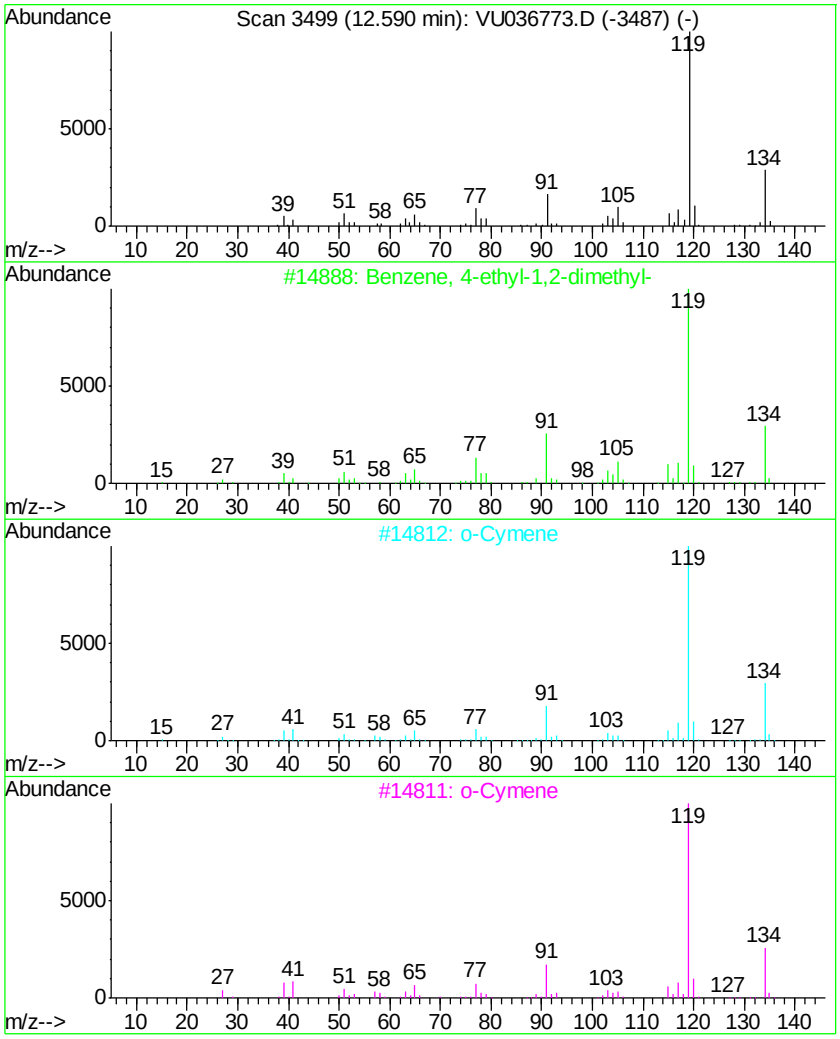
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

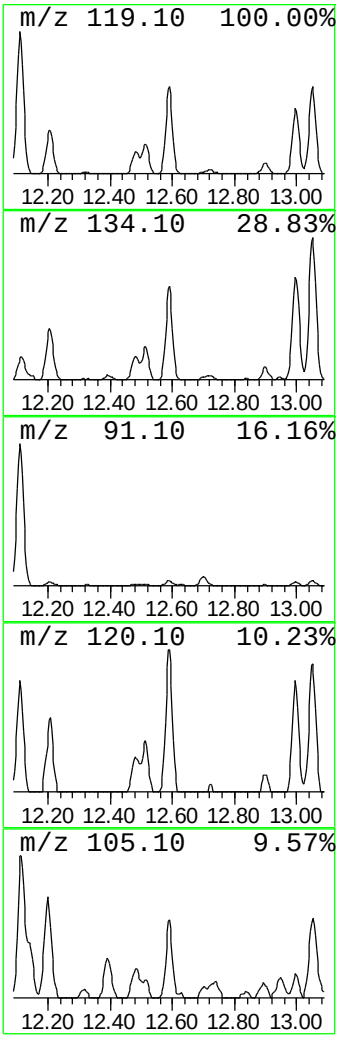
****

Peak Number 10 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.59	1.36 ug/L	113811	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95
2	o-Cymene	134	C10H14	000527-84-4	94
3	o-Cymene	134	C10H14	000527-84-4	94
4	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	94
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	93





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU021320\
Data File : VU036773.D
Acq On : 13 Feb 2020 15:43
Operator : JC/MD
Sample : L1487-22
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DBCX2

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

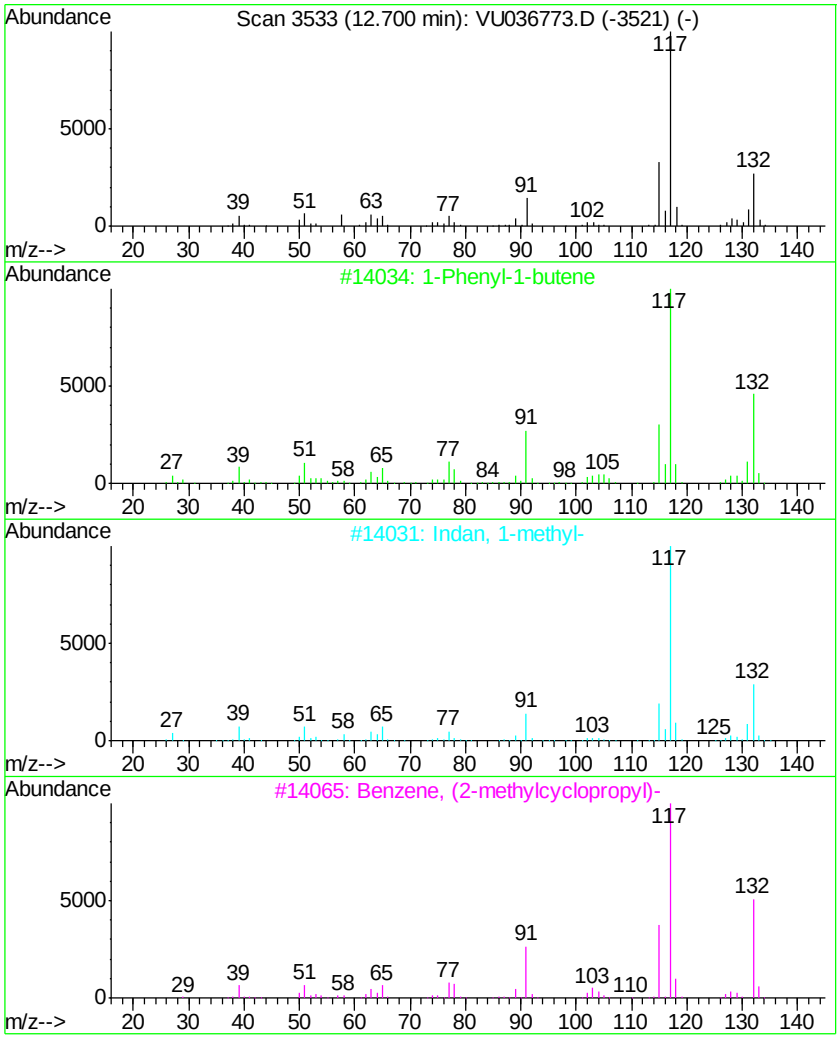
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

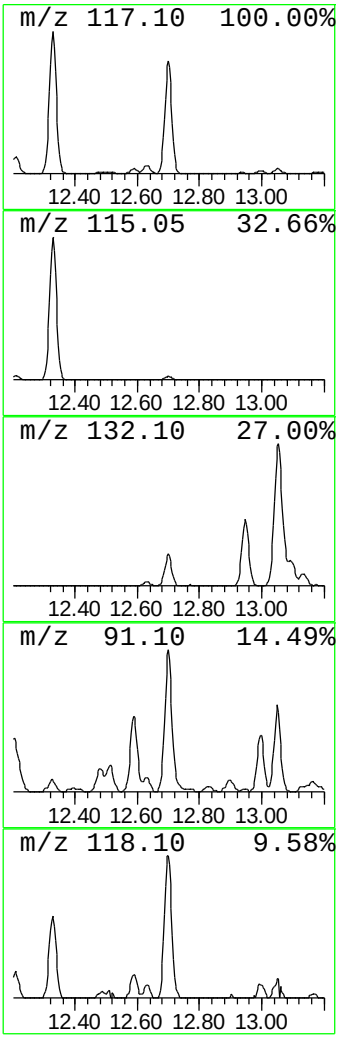
****

Peak Number 11 1-Phenyl-1-butene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.70	3.27 ug/L	274300	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Phenyl-1-butene	132	C10H12	000824-90-8	87
2	Indan, 1-methyl-	132	C10H12	000767-58-8	87
3	Benzene, (2-methylcyclopropyl)-	132	C10H12	1000327-39-0	87
4	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	86
5	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	86





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Data File : VU036773.D
Acq On : 13 Feb 2020 15:43
Operator : JC/MD
Sample : L1487-22
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DBCX2

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

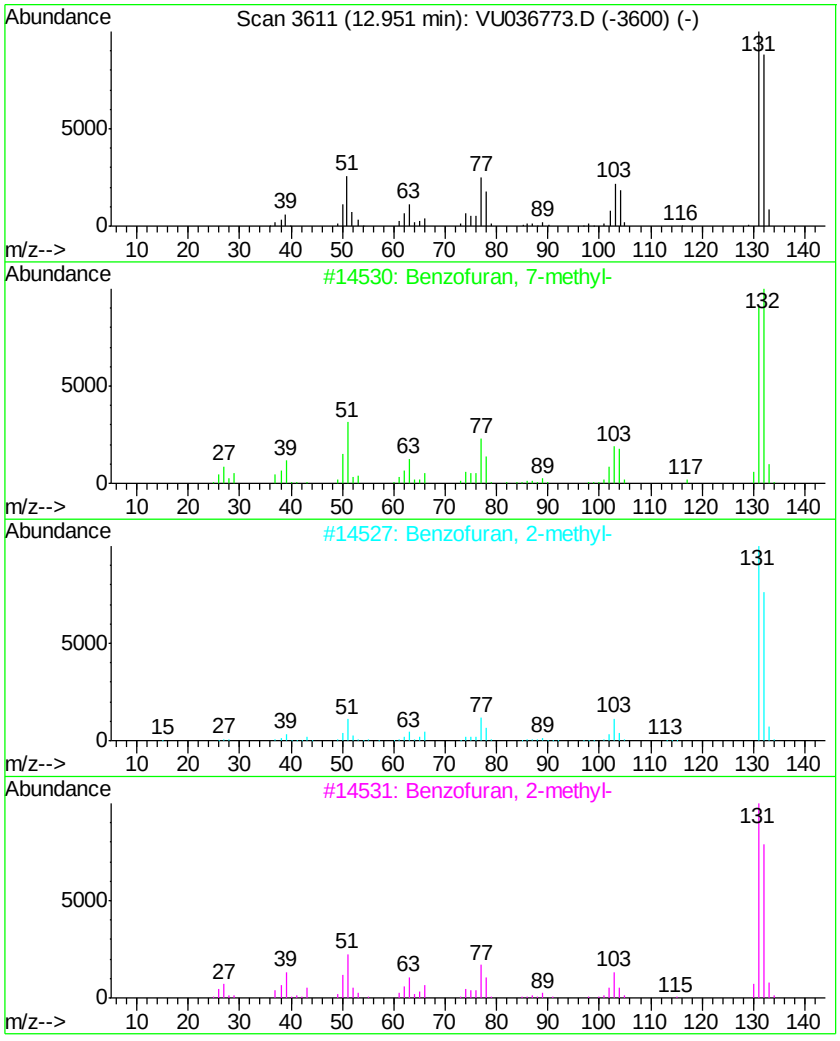
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

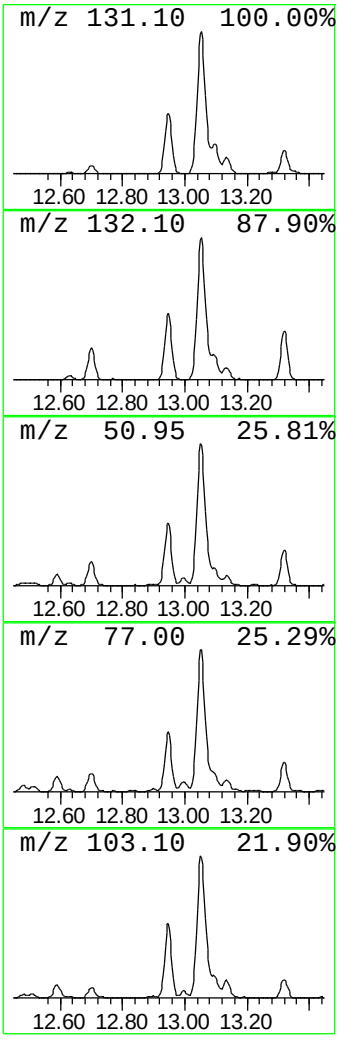
****

Peak Number 12 Benzofuran, 7-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.95	2.80 ug/L	235355	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzofuran, 7-methyl-	132	C9H8O	017059-52-8	97
2	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	95
3	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	94
4	3-Phenyl-2-propyn-1-ol	132	C9H8O	001504-58-1	91
5	Cinnamaldehyde, (E)-	132	C9H8O	014371-10-9	91





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU021320\
Data File : VU036773.D
Acq On : 13 Feb 2020 15:43
Operator : JC/MD
Sample : L1487-22
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DBCX2

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

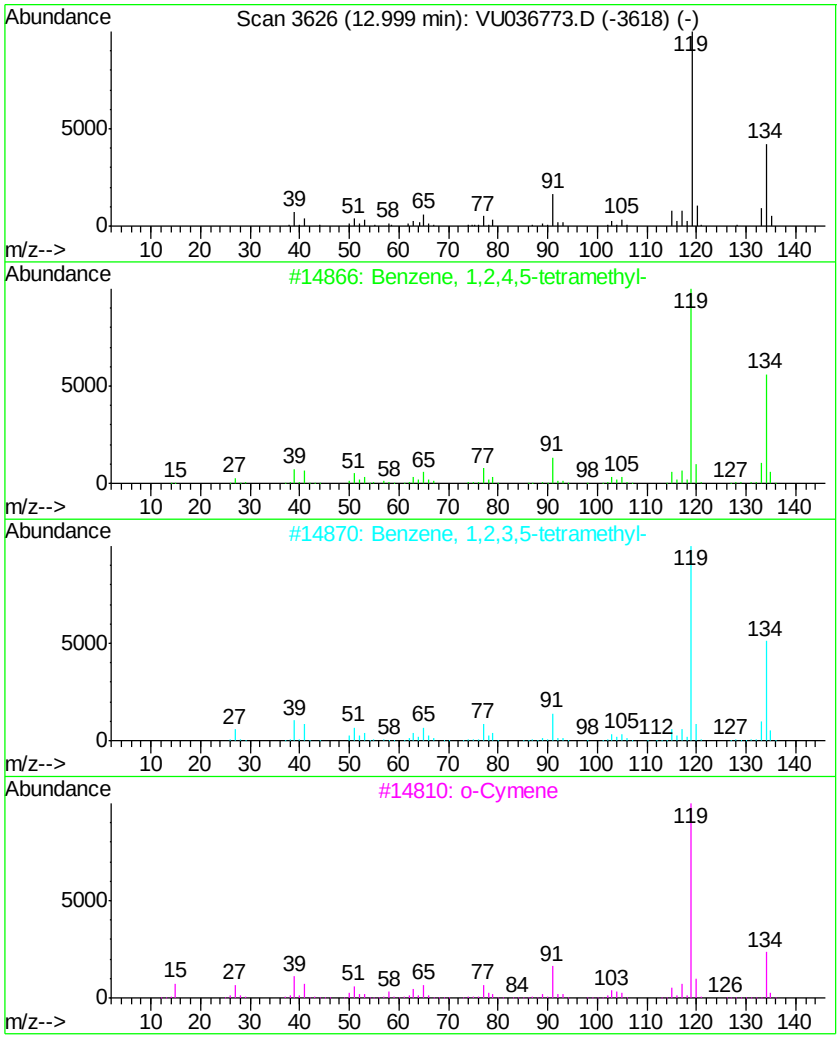
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

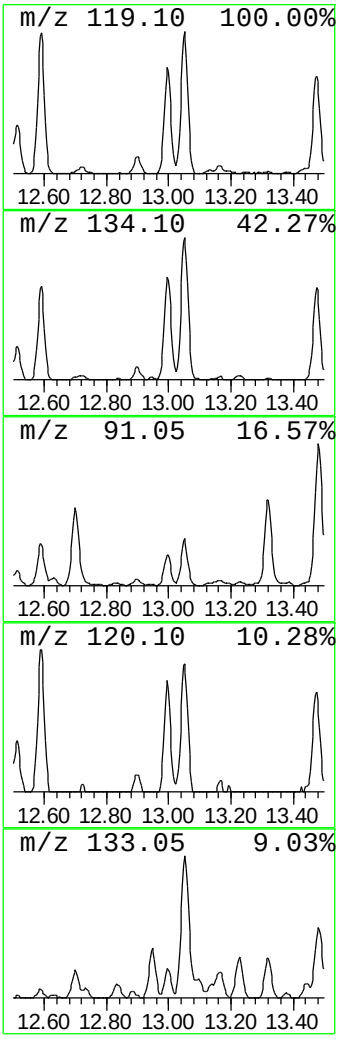
****

Peak Number 13 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.00	0.75 ug/L	62731	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	94
2	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	91
3	o-Cymene	134	C10H14	000527-84-4	91
4	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	91
5	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU021320\
Data File : VU036773.D
Acq On : 13 Feb 2020 15:43
Operator : JC/MD
Sample : L1487-22
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DBCX2

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

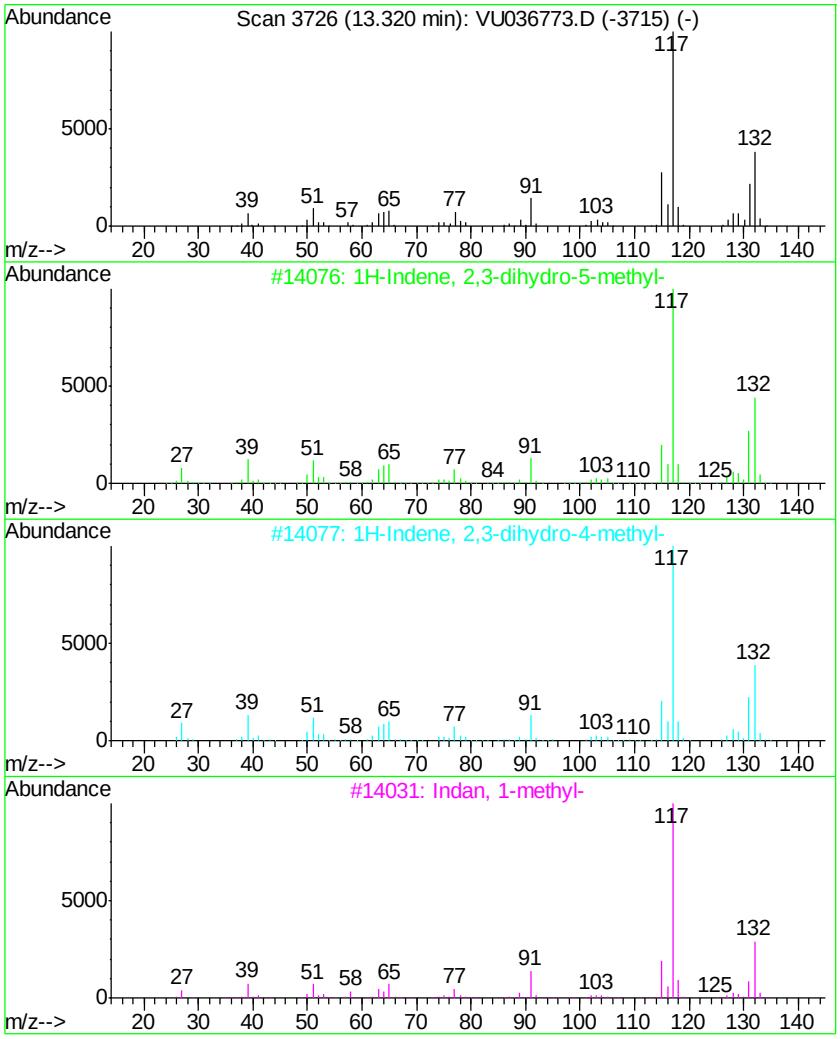
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

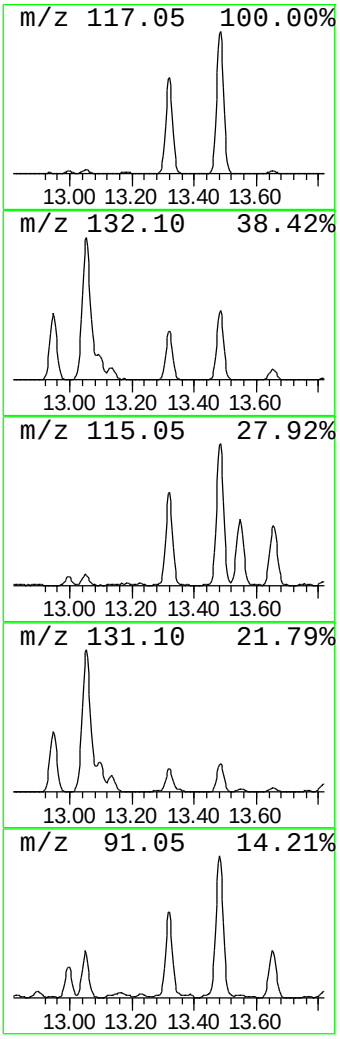
****

Peak Number 15 1H-Indene, 2,3-dihydro-5-me... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.32	4.00 ug/L	335576	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	96
2	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	94
3	Indan, 1-methyl-	132	C10H12	000767-58-8	93
4	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	92
5	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU021320\
Data File : VU036773.D
Acq On : 13 Feb 2020 15:43
Operator : JC/MD
Sample : L1487-22
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DBCX2

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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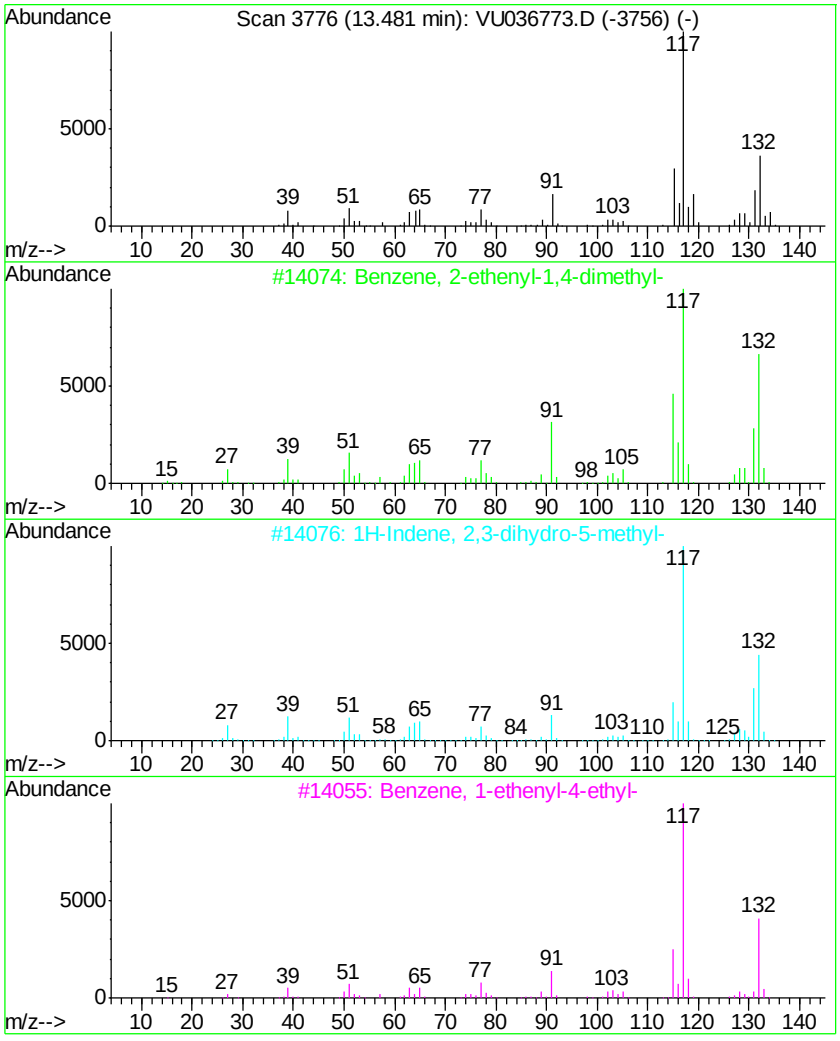
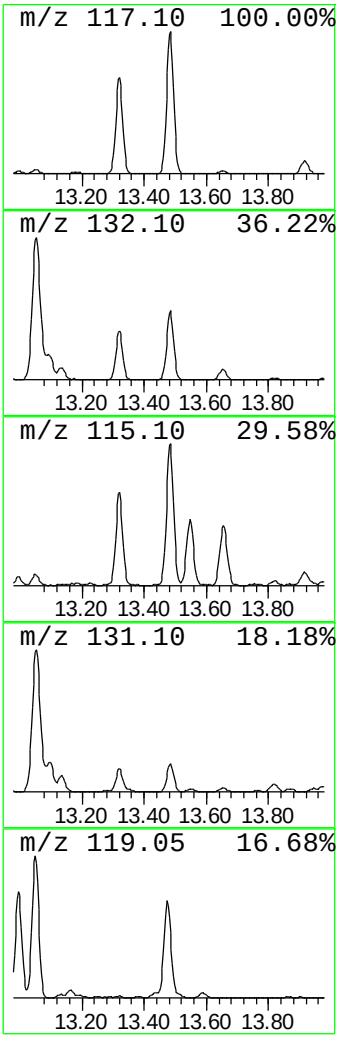
Peak Number 16 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.48	6.93 ug/L	581772	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	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	94
3	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	94
4	1-Phenyl-1-butene	132	C10H12	000824-90-8	93
5	Indan, 1-methyl-	132	C10H12	000767-58-8	90





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU021320\
Data File : VU036773.D
Acq On : 13 Feb 2020 15:43
Operator : JC/MD
Sample : L1487-22
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DBCX2

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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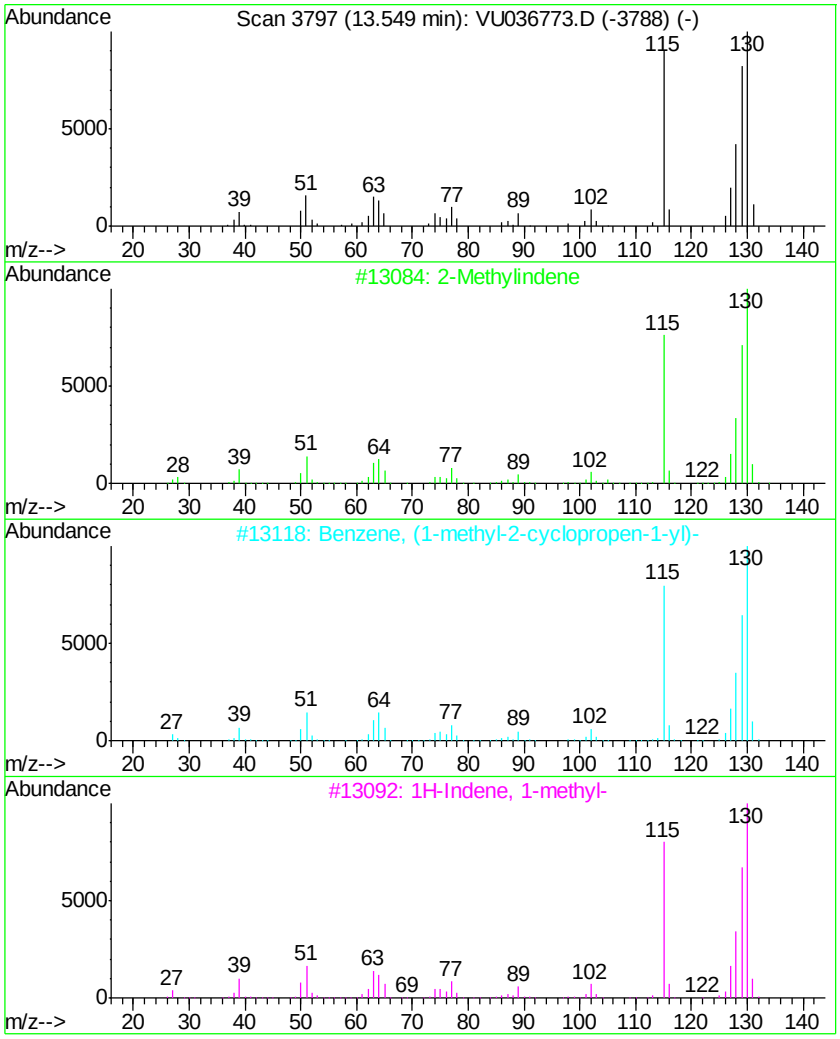
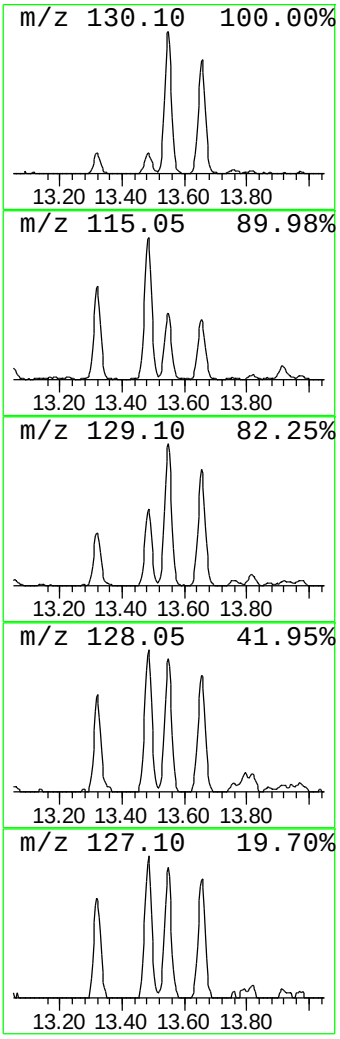
Peak Number 17 2-Methylindene Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.55	1.34 ug/L	112614	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methylindene	130	C10H10	002177-47-1	97
2	Benzene, (1-methyl-2-cyclopropen...	130	C10H10	065051-83-4	96
3	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	96
4	Benzene, 1-butynyl-	130	C10H10	000622-76-4	95
5	1,4-Dihydronaphthalene	130	C10H10	000612-17-9	93





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Data File : VU036773.D
Acq On : 13 Feb 2020 15:43
Operator : JC/MD
Sample : L1487-22
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DBCX2

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

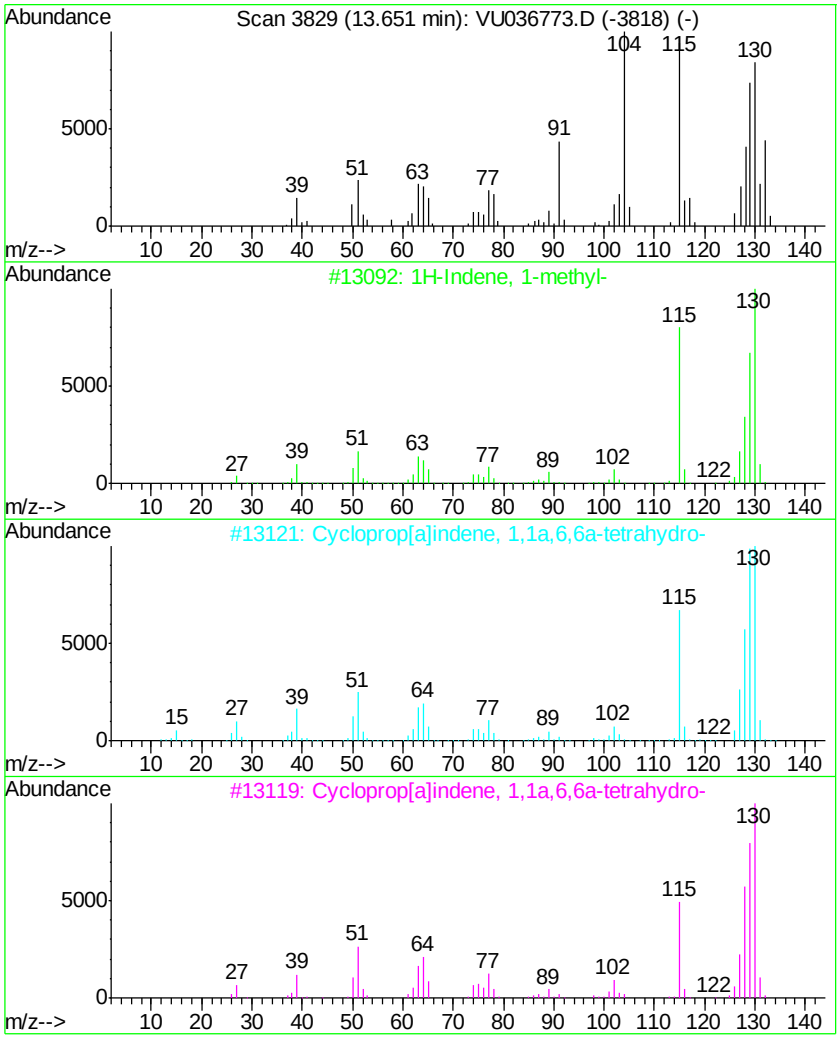
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

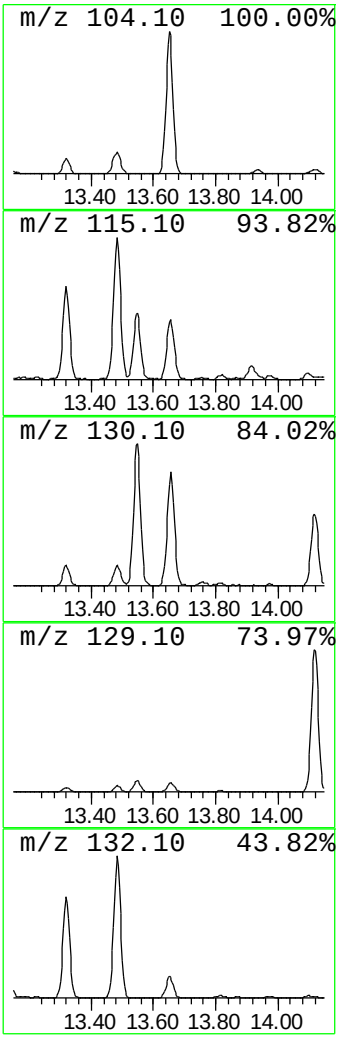
****

Peak Number 18 1H-Indene, 1-methyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.65	1.99 ug/L	167392	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	91
2	Cycloprop[a]indene, 1,1a,6,6a-te...	130	C10H10	015677-15-3	90
3	Cycloprop[a]indene, 1,1a,6,6a-te...	130	C10H10	015677-15-3	83
4	2-Methylindene	130	C10H10	002177-47-1	78
5	Benzene, (1-methyl-2-cyclopropen...	130	C10H10	065051-83-4	78





Library Search Compound Report

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Data File : VU036773.D
Acq On : 13 Feb 2020 15:43
Operator : JC/MD
Sample : L1487-22
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DBCX2

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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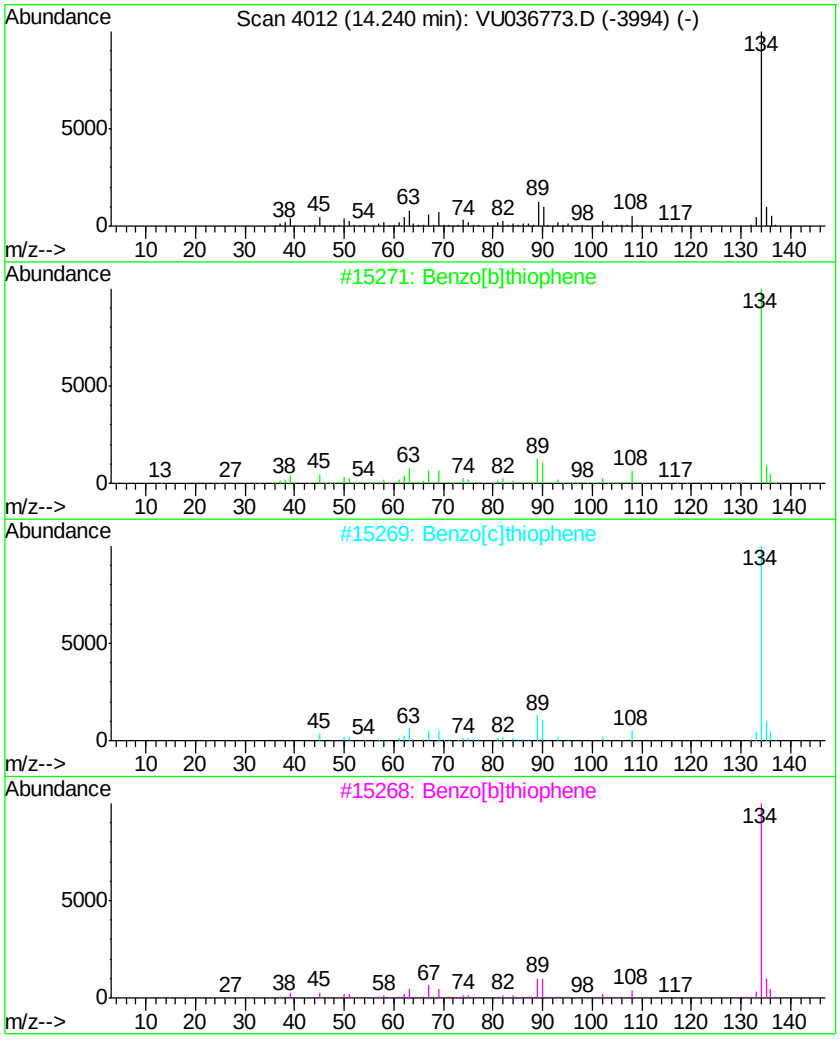
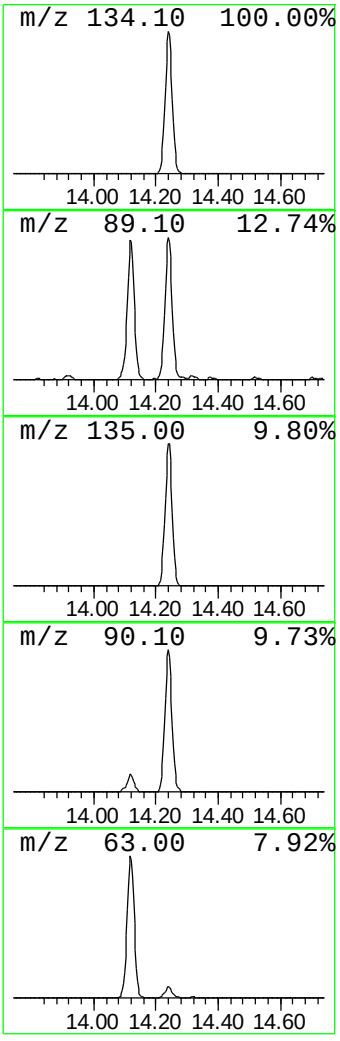
Peak Number 20 Benzo[b]thiophene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.24	4.37 ug/L	366982	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[c]thiophene	134	C8H6S	000270-82-6	95
3	Benzo[b]thiophene	134	C8H6S	000095-15-8	95
4	Cyclopenta[c]thiapyran	134	C8H6S	000270-63-3	94
5	Benzo[b]thiophene	134	C8H6S	000095-15-8	94





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU021320\
Data File : VU036773.D
Acq On : 13 Feb 2020 15:43
Operator : JC/MD
Sample : L1487-22
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DBCX2

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

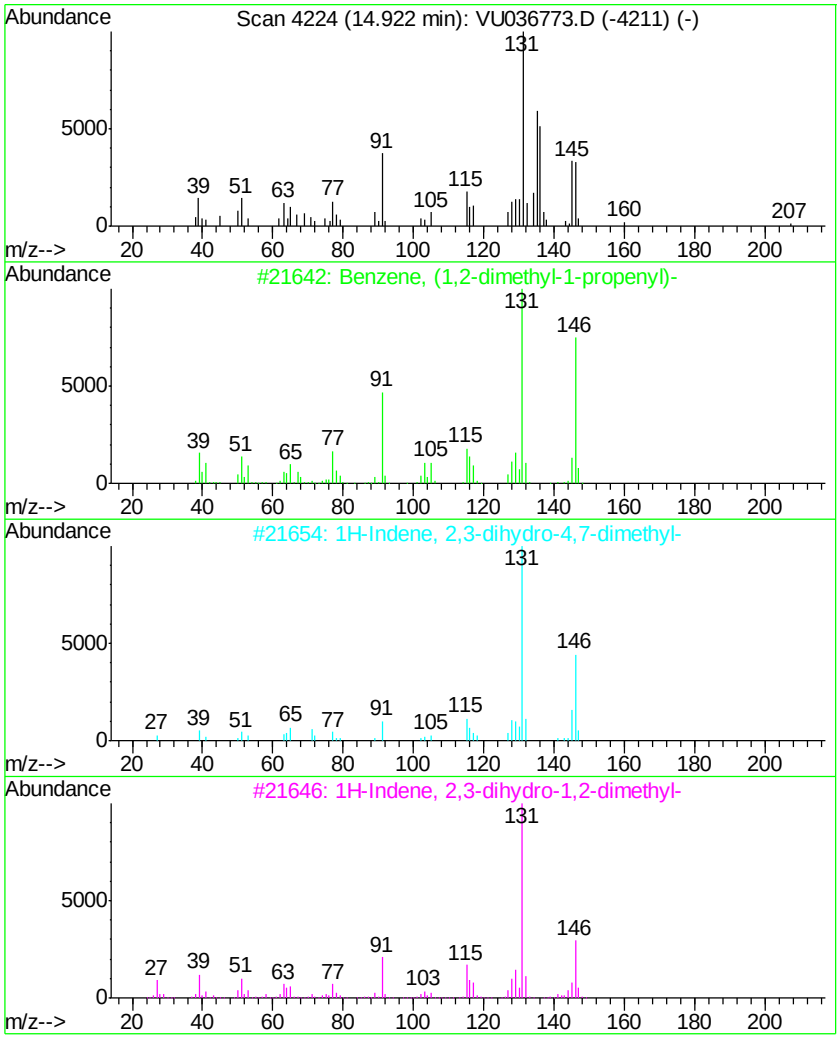
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

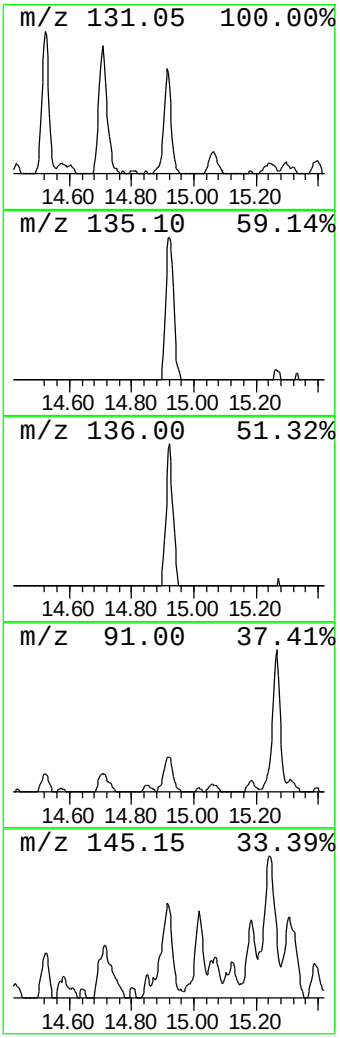
****

Peak Number 21 Benzene, (1,2-dimethyl-1-pr... Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.92	0.57 ug/L	47817	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	87
2	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	78
3	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	70
4	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	60
5	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	55





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU021320\
Data File : VU036773.D
Acq On : 13 Feb 2020 15:43
Operator : JC/MD
Sample : L1487-22
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DBCX2

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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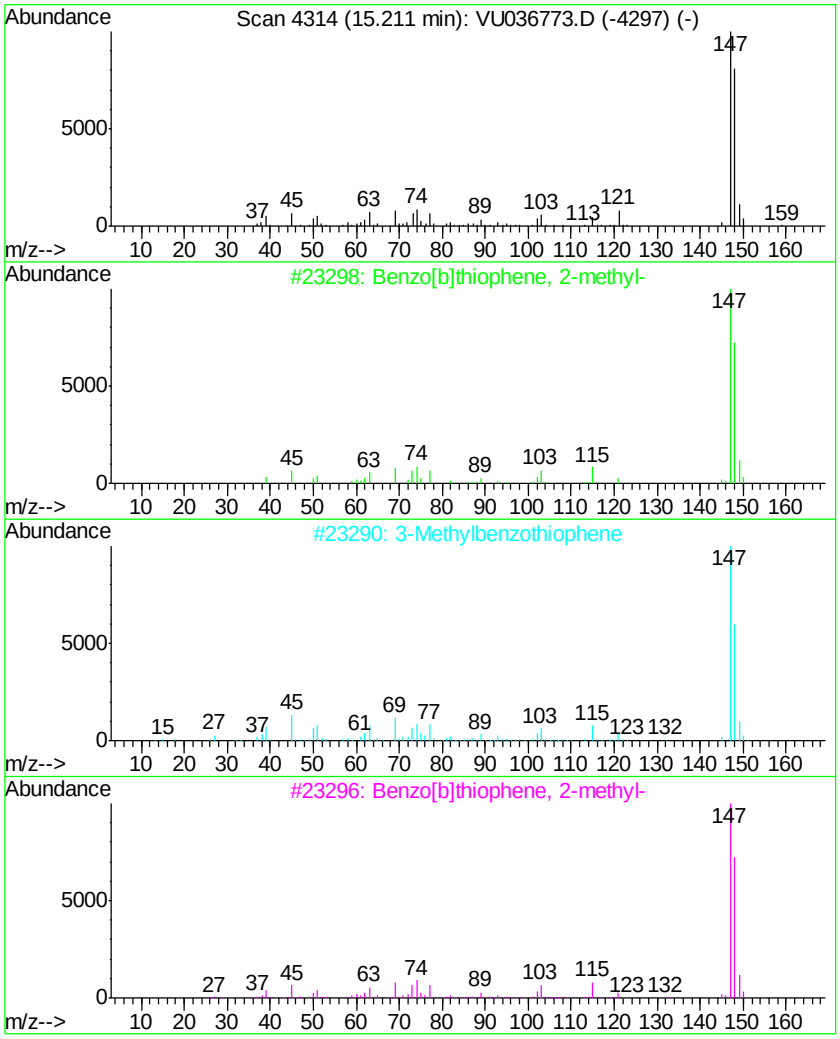
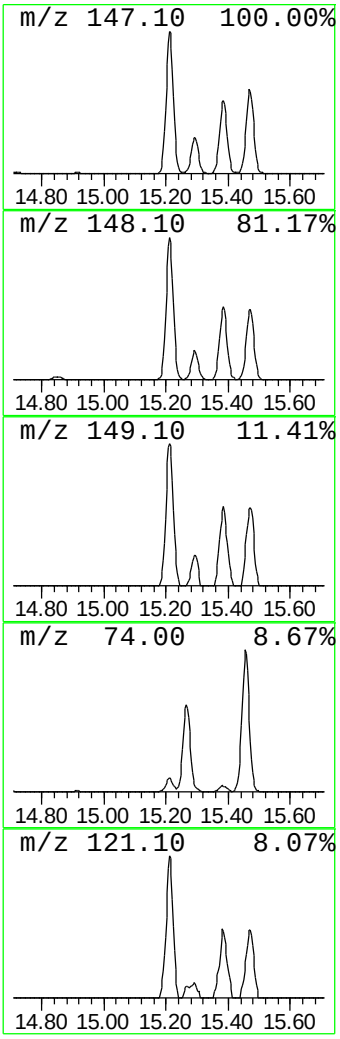
Peak Number 22 Benzo[b]thiophene, 2-methyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.21	1.89 ug/L	159021	1,4-Dichlorobenzene-d4	11.83

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





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Data File : VU036773.D
Acq On : 13 Feb 2020 15:43
Operator : JC/MD
Sample : L1487-22
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DBCX2

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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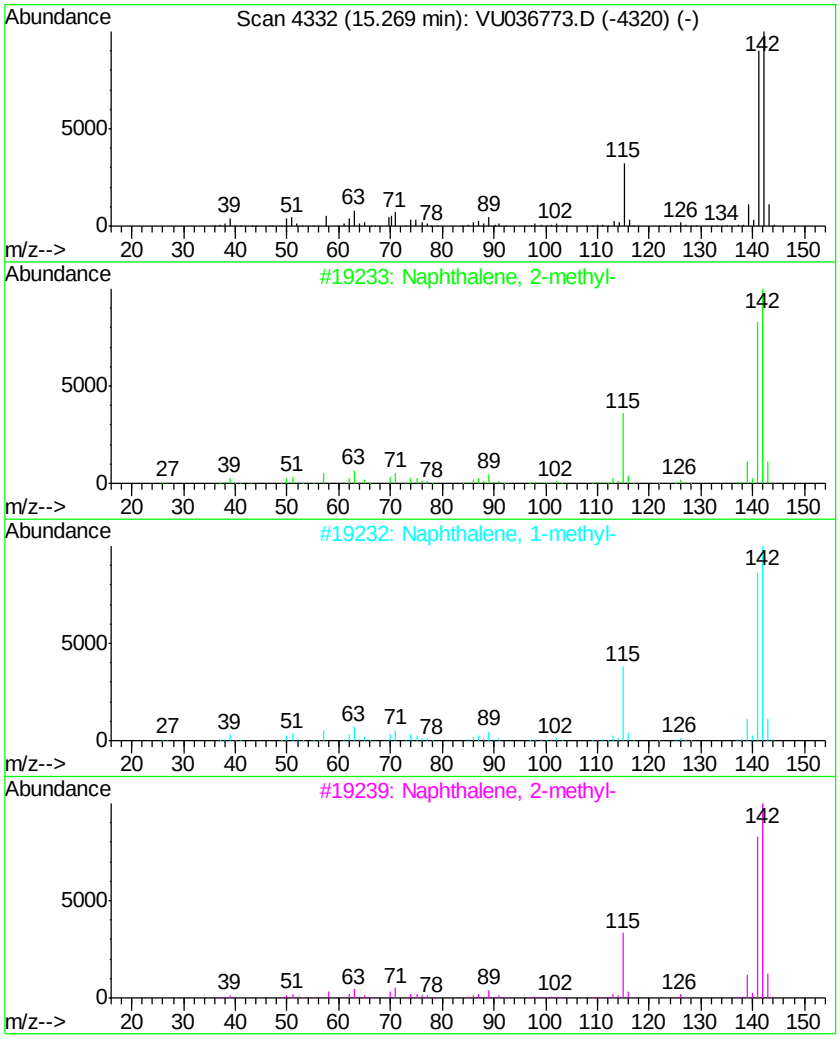
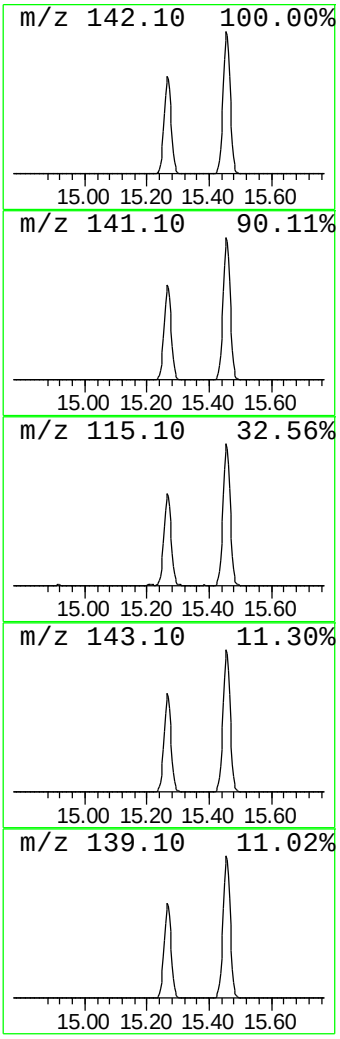
Peak Number 23 Naphthalene, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.27	26.74 ug/L	2244930	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	93





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU021320\
Data File : VU036773.D
Acq On : 13 Feb 2020 15:43
Operator : JC/MD
Sample : L1487-22
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DBCX2

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

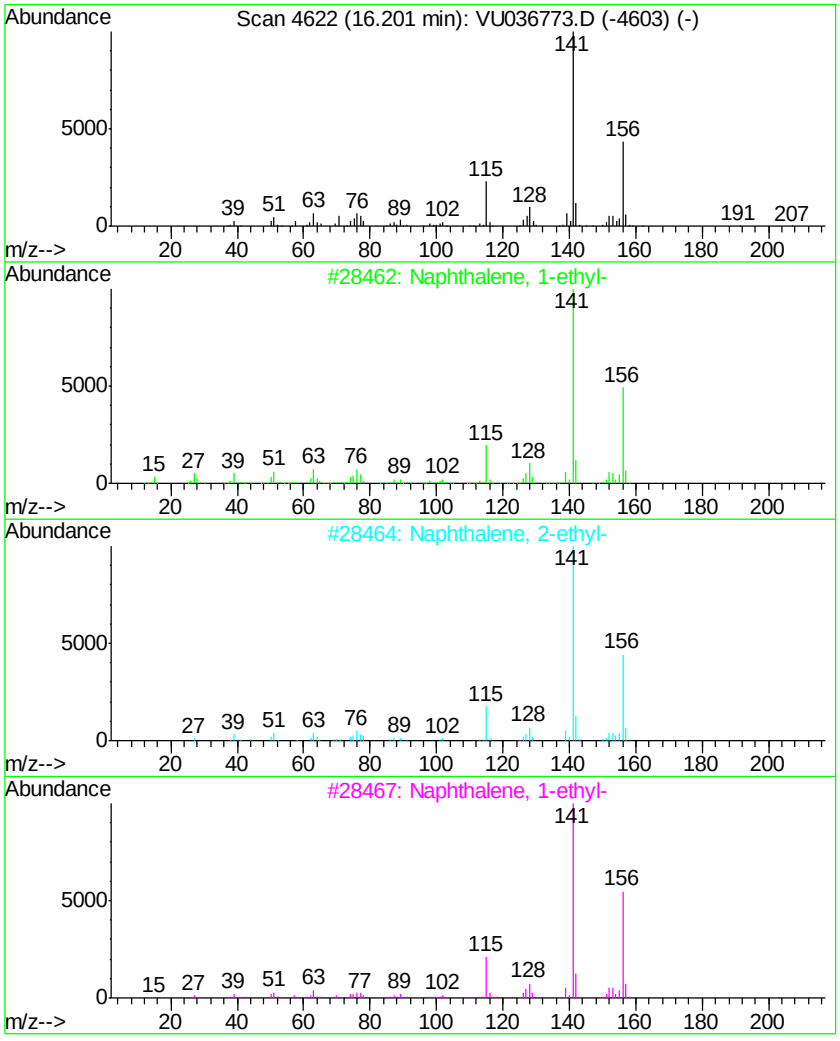
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

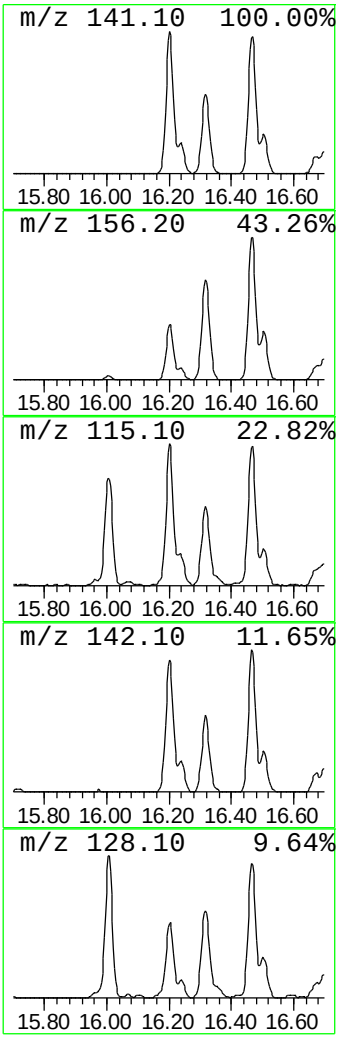
****

Peak Number 27 Naphthalene, 1-ethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.20	4.08 ug/L	342193	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	96
2	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	96
3	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	96
4	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	96
5	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	95





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU021320\
Data File : VU036773.D
Acq On : 13 Feb 2020 15:43
Operator : JC/MD
Sample : L1487-22
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DBCX2

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

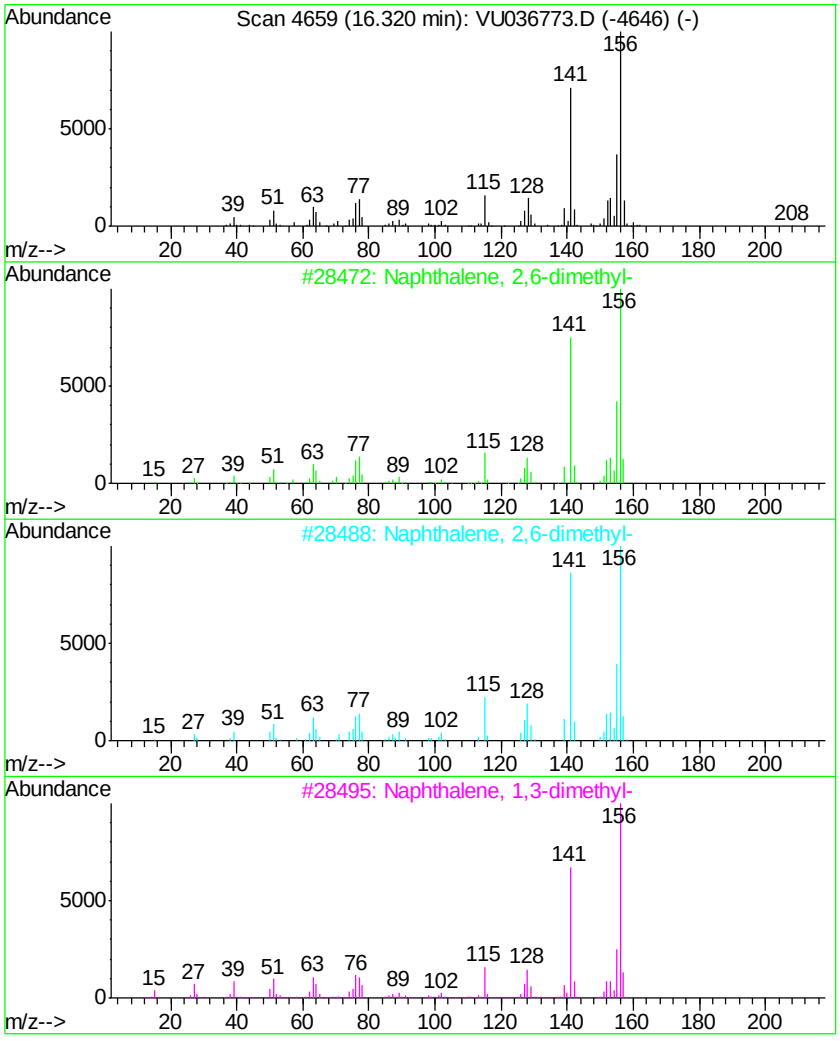
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

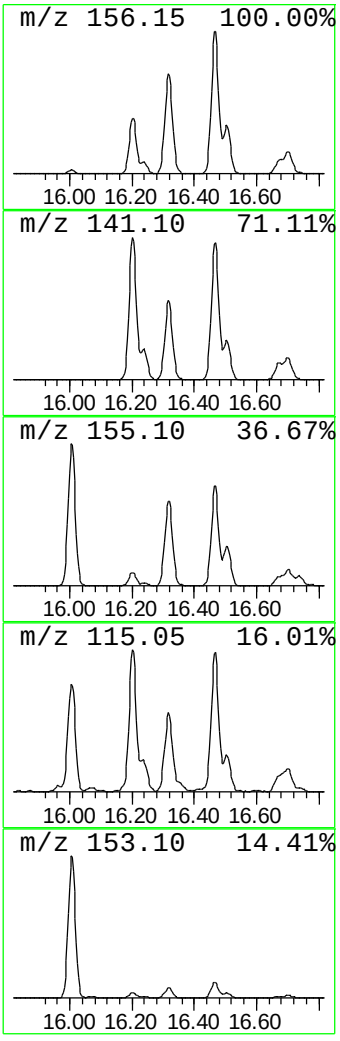
****

Peak Number 28 Naphthalene, 2,6-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.32	4.91 ug/L	412212	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, 2,6-dimethyl-	156	C12H12	000581-42-0	98
3	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	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\VU021320\
Data File : VU036773.D
Acq On : 13 Feb 2020 15:43
Operator : JC/MD
Sample : L1487-22
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DBCX2

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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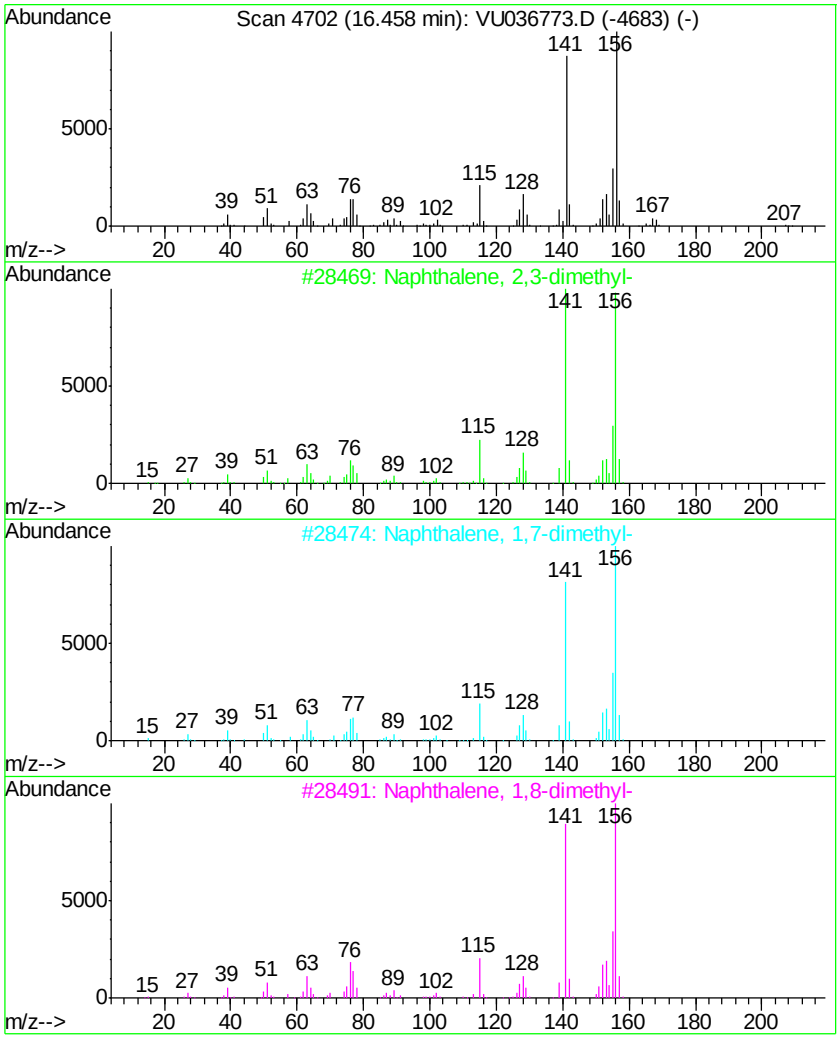
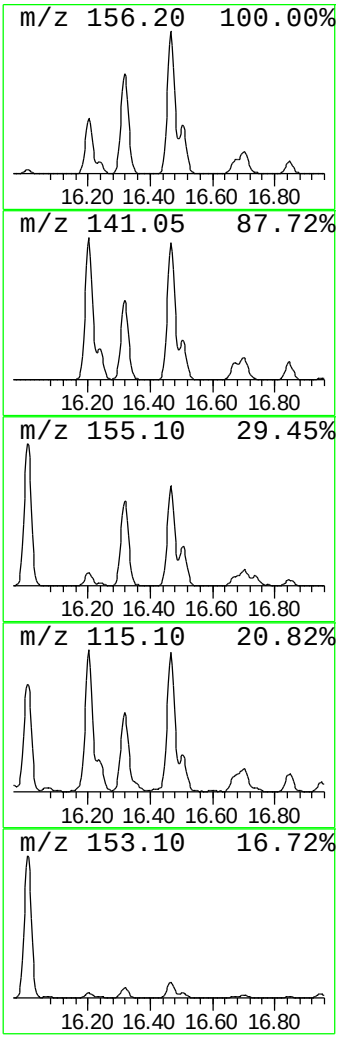
Peak Number 29 Naphthalene, 2,3-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.46	6.77 ug/L	568517	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, 1,7-dimethyl-	156	C12H12	000575-37-1	98
3	Naphthalene, 1,8-dimethyl-	156	C12H12	000569-41-5	98
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	98
5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	98





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU021320\
Data File : VU036773.D
Acq On : 13 Feb 2020 15:43
Operator : JC/MD
Sample : L1487-22
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DBCX2

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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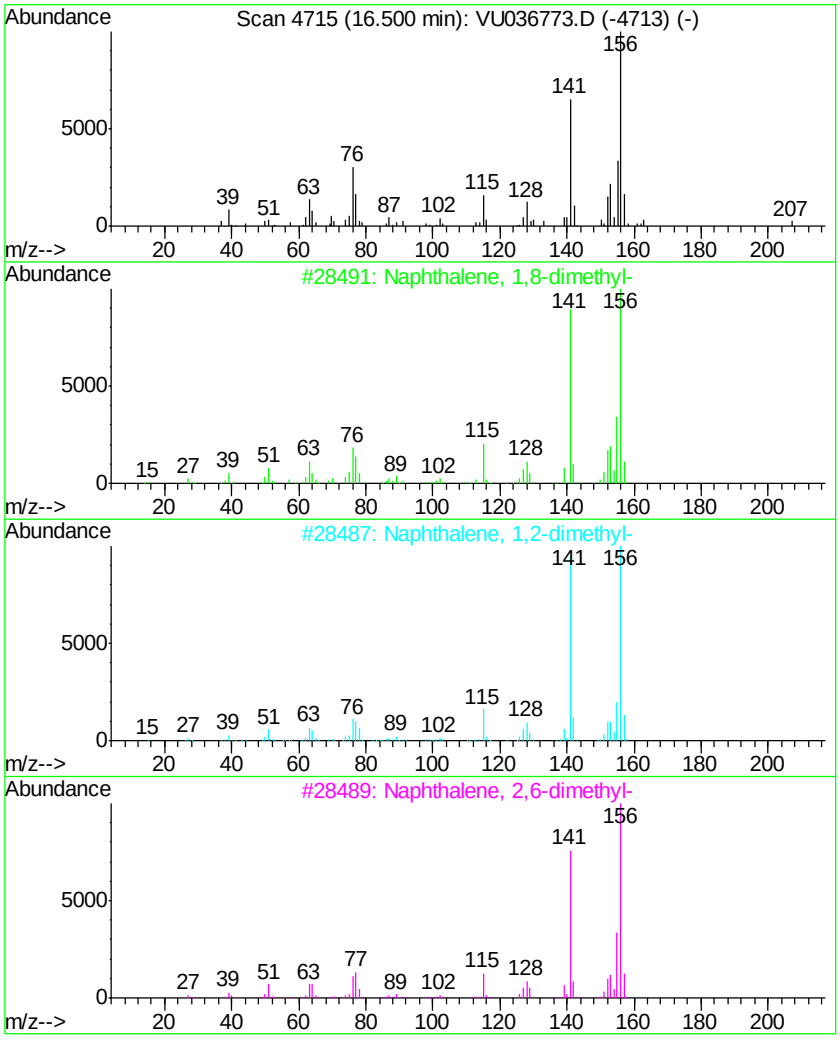
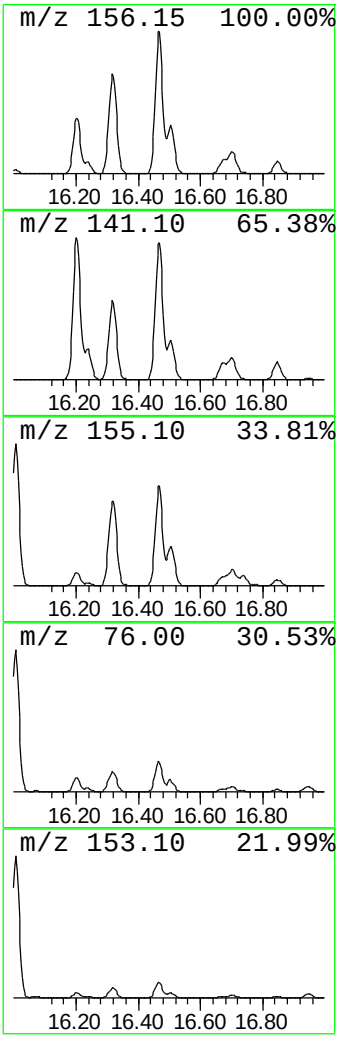
Peak Number 30 Naphthalene, 1,8-dimethyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.50	1.67 ug/L	140398	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,8-dimethyl-	156	C12H12	000569-41-5	96
2	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	93
3	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	91
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	91
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU021320\
Data File : VU036773.D
Acq On : 13 Feb 2020 15:43
Operator : JC/MD
Sample : L1487-22
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DBCX2

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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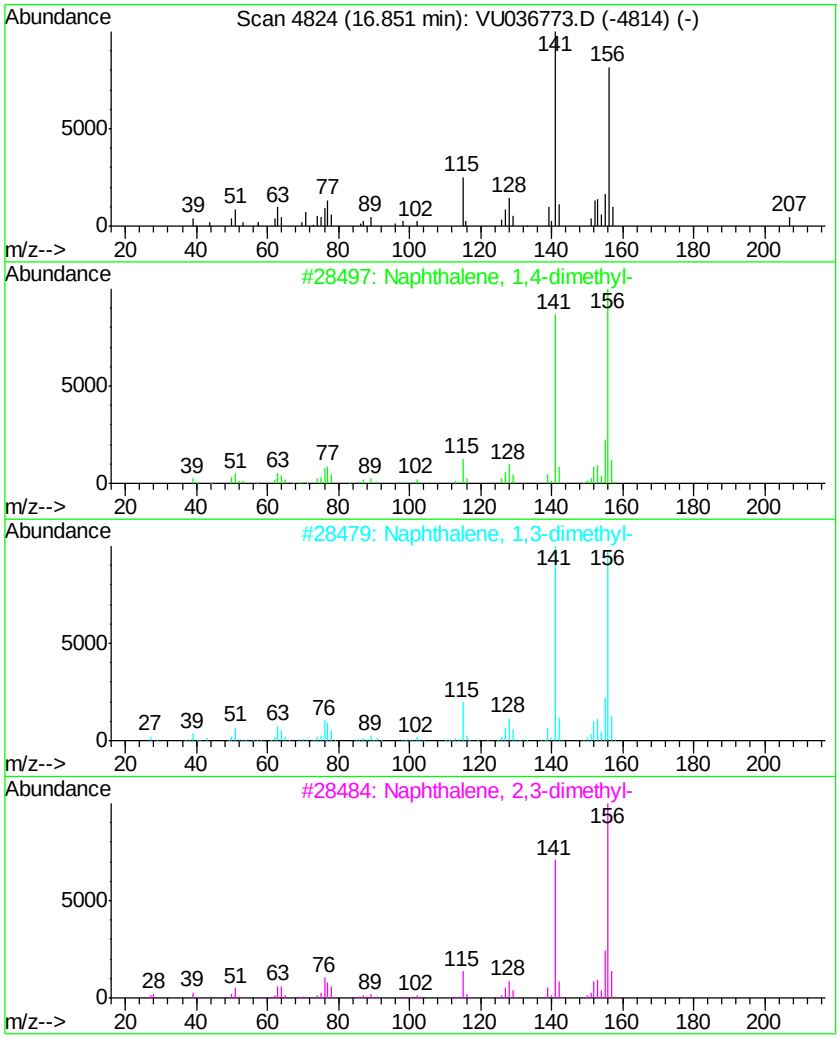
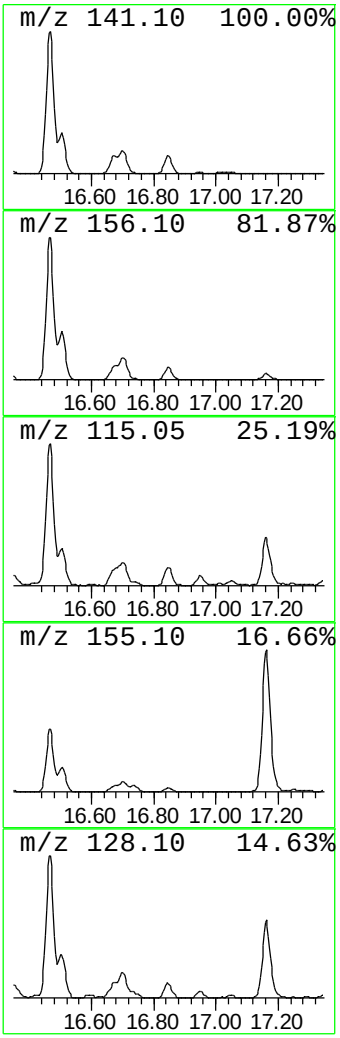
Peak Number 32 Naphthalene, 1,4-dimethyl- Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.85	0.61 ug/L	51246	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
2	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	95
4	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	94
5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	94





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU021320\
Data File : VU036773.D
Acq On : 13 Feb 2020 15:43
Operator : JC/MD
Sample : L1487-22
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DBCX2

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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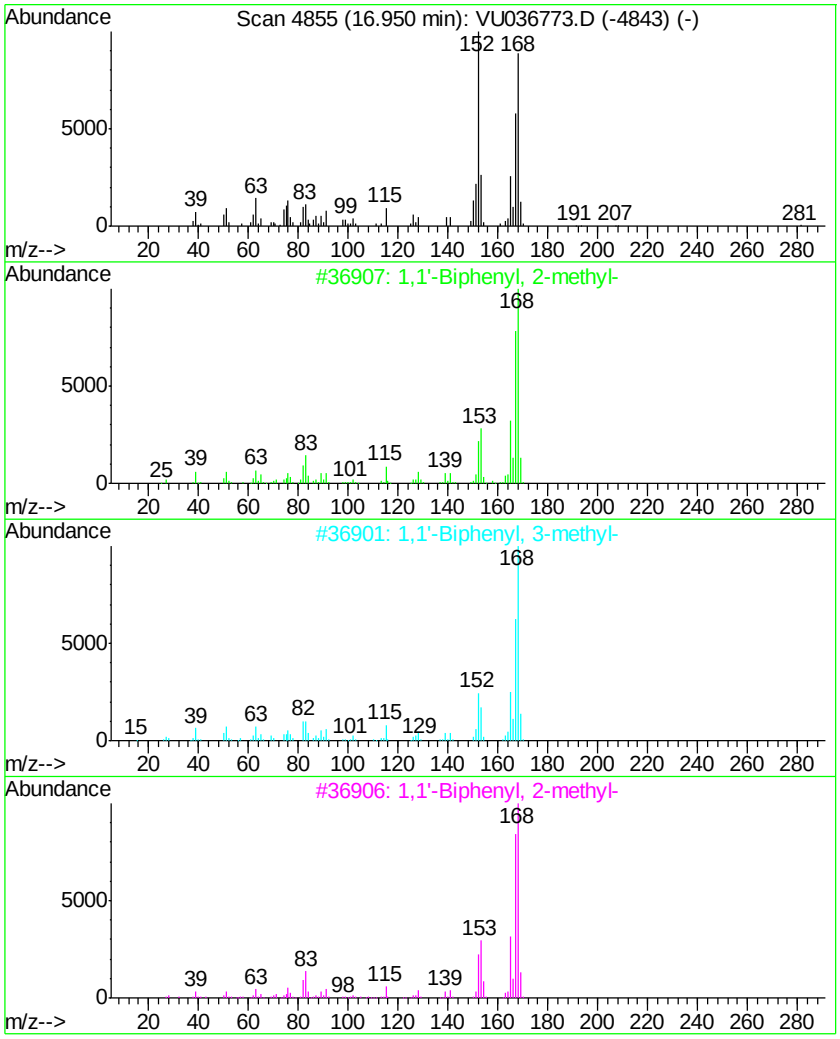
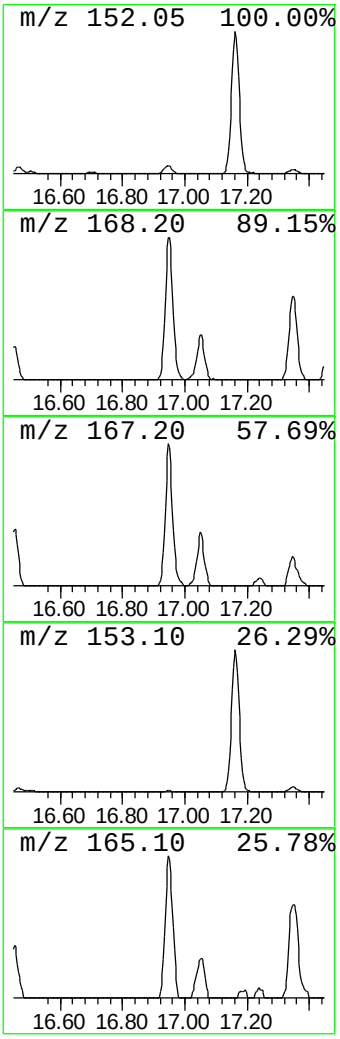
Peak Number 33 1,1'-Biphenyl, 2-methyl- Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.95	1.22 ug/L	102182	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	91
2	1,1'-Biphenyl, 3-methyl-	168	C13H12	000643-93-6	55
3	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	55
4	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	50
5	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	50





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU021320\
Data File : VU036773.D
Acq On : 13 Feb 2020 15:43
Operator : JC/MD
Sample : L1487-22
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DBCX2

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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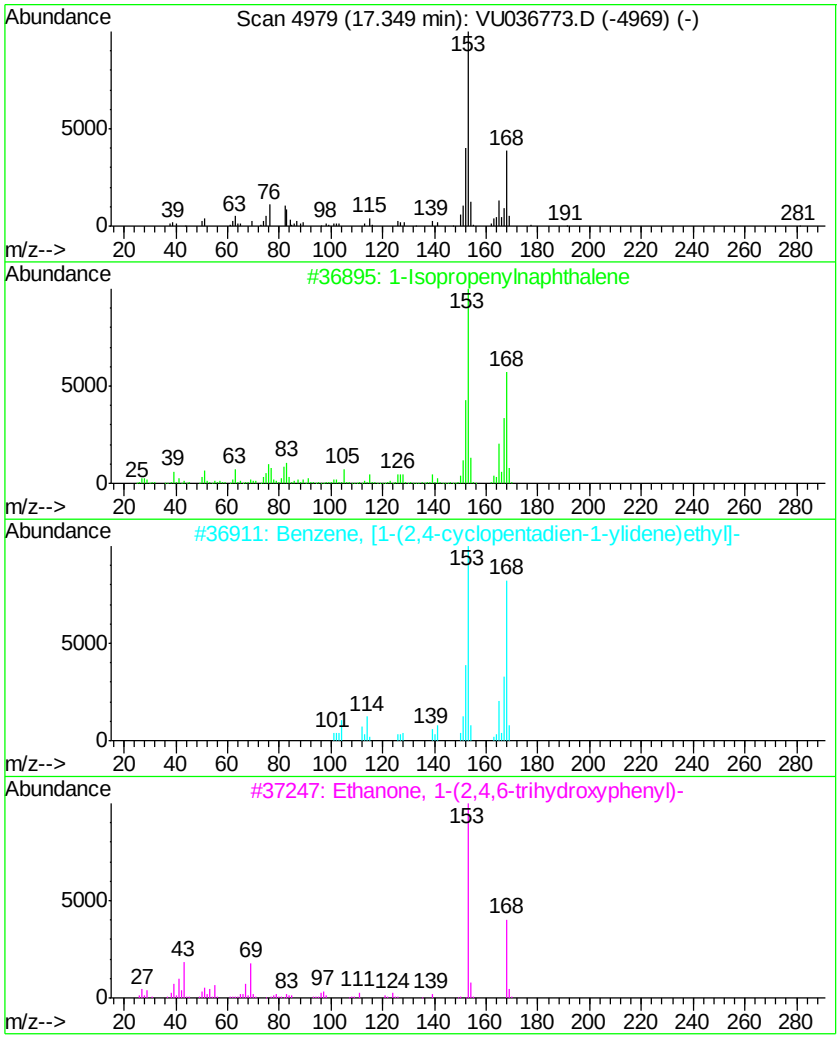
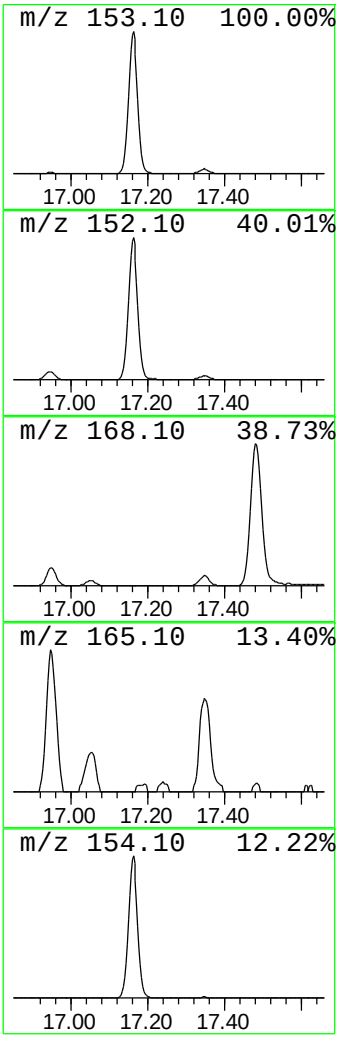
Peak Number 35 1-Isopropenylnaphthalene Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.35	0.98 ug/L	82463	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	90
2	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	64
3	Ethanone, 1-(2,4,6-trihydroxyphe...	168	C8H8O4	000480-66-0	49
4	Benzene, 2-chloro-1-methyl-4-(1-...	168	C10H13Cl	004395-79-3	47
5	Ethanone, 1-(2,3,4-trihydroxyphe...	168	C8H8O4	000528-21-2	47





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU021320\
Data File : VU036773.D
Acq On : 13 Feb 2020 15:43
Operator : JC/MD
Sample : L1487-22
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DBCX2

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
Benzene, 1-ethyl-...	11.01	1.5	ug/L	125705	3	11.83	419744	5.0
Benzene, 1,2,3-tr...	11.11	1.3	ug/L	105007	3	11.83	419744	5.0
Benzene, 1-ethyl-...	11.31	0.6	ug/L	53024	3	11.83	419744	5.0
Mesitylene	11.48	5.8	ug/L	491138	3	11.83	419744	5.0
Benzofuran	11.75	4.0	ug/L	331434	3	11.83	419744	5.0
Indane	12.11	47.2	ug/L	3959750	3	11.83	419744	5.0
Indene	12.33	48.4	ug/L	4062710	3	11.83	419744	5.0
Benzene, 4-ethyl-...	12.59	1.4	ug/L	113811	3	11.83	419744	5.0
1-Phenyl-1-butene	12.70	3.3	ug/L	274300	3	11.83	419744	5.0
Benzofuran, 7-met...	12.95	2.8	ug/L	235355	3	11.83	419744	5.0
Benzene, 1,2,4,5-...	13.00	0.8	ug/L	62731	3	11.83	419744	5.0
1H-Indene, 2,3-di...	13.32	4.0	ug/L	335576	3	11.83	419744	5.0
Benzene, 2-etheny...	13.48	6.9	ug/L	581772	3	11.83	419744	5.0
2-Methylindene	13.55	1.3	ug/L	112614	3	11.83	419744	5.0
1H-Indene, 1-methyl-	13.65	2.0	ug/L	167392	3	11.83	419744	5.0
Benzo[b]thiophene	14.24	4.4	ug/L	366982	3	11.83	419744	5.0
Benzene, (1,2-dim...	14.92	0.6	ug/L	47817	3	11.83	419744	5.0
Benzo[b]thiophene...	15.21	1.9	ug/L	159021	3	11.83	419744	5.0
Naphthalene, 1-me...	15.27	26.7	ug/L	2244930	3	11.83	419744	5.0
Naphthalene, 1-et...	16.20	4.1	ug/L	342193	3	11.83	419744	5.0
Naphthalene, 2,6-...	16.32	4.9	ug/L	412212	3	11.83	419744	5.0
Naphthalene, 2,3-...	16.46	6.8	ug/L	568517	3	11.83	419744	5.0
Naphthalene, 1,8-...	16.50	1.7	ug/L	140398	3	11.83	419744	5.0
Naphthalene, 1,4-...	16.85	0.6	ug/L	51246	3	11.83	419744	5.0
1,1'-Biphenyl, 2-...	16.95	1.2	ug/L	102182	3	11.83	419744	5.0
1-Isopropenylnaph...	17.35	1.0	ug/L	82463	3	11.83	419744	5.0