LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU021820\
Data File : VU036831.D
Acq On : 18 Feb 2020 13:12
Operator : JC/MD
Sample : L1540-16
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DBD66

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	95	rBV	54510	58926	1.90%	0.436%
2	1.932	175	184	194	rBV	52228	65937	2.12%	0.488%
3	2.591	378	389	402	rBV	82862	133652	4.30%	0.988%
4	4.674	1020	1037	1056	rBV	71025	168482	5.43%	1.246%
5	5.105	1156	1171	1194	rBV	76350	169248	5.45%	1.252%
6	5.764	1355	1376	1400	rBV2	165931	422800	13.61%	3.127%
7	6.285	1523	1538	1556	rBV	141180	258247	8.32%	1.910%
8	6.726	1661	1675	1693	rBV	104408	201629	6.49%	1.491%
9	7.594	1928	1945	1959	rBV	49776	86562	2.79%	0.640%
10	7.925	2035	2048	2062	rBV	198430	341027	10.98%	2.522%
11	8.205	2124	2135	2150	rBV2	29488	50513	1.63%	0.374%
12	8.661	2265	2277	2305	rBV	239471	432312	13.92%	3.197%
13	9.439	2507	2519	2541	rBV	189852	322090	10.37%	2.382%
14	10.504	2835	2850	2872	rVB	216486	339792	10.94%	2.513%
15	10.777	2923	2935	2950	rVB	78149	125632	4.05%	0.929%
16	11.308	3088	3100	3114	rVB	85806	131099	4.22%	0.970%
17	11.828	3249	3262	3279	rBV	187514	305116	9.83%	2.257%
18	12.025	3312	3323	3333	rBV2	28316	40986	1.32%	0.303%
19	12.111	3338	3350	3361	rVB	76846	120264	3.87%	0.889%
20	12.208	3368	3380	3396	rVB	194957	314947	10.14%	2.329%
21	12.398	3428	3439	3453	rBV	31080	48747	1.57%	0.361%
22	12.700	3519	3533	3553	rBV	820260	1294610	41.69%	9.575%
23	12.947	3597	3610	3627	rVB	1109936	1723668	55.50%	12.748%
24	13.073	3627	3649	3662	rVV	349229	914503	29.45%	6.764%
25	13.134	3662	3668	3681	rVB	125285	195626	6.30%	1.447%
26	13.320	3717	3726	3746	rVB	51986	85659	2.76%	0.634%
27	13.481	3759	3776	3786	rBV3	34648	57249	1.84%	0.423%
28	13.549	3786	3797	3807	rBV4	22488	37365	1.20%	0.276%
29	13.815	3868	3880	3888	rBV2	29872	50218	1.62%	0.371%
30	13.864	3888	3895	3903	rVV	24899	37907	1.22%	0.280%
31	13.915	3903	3911	3924	rVV2	48479	109753	3.53%	0.812%
32	13.973	3924	3929	3942	rVB2	26809	45032	1.45%	0.333%
33	14.095	3955	3967	3975	rBV3	84328	152838	4.92%	1.130%
34	14.285	4018	4026	4035	rVB4	33650	53122	1.71%	0.393%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU021820\
Data File : VU036831.D
Acq On : 18 Feb 2020 13:12
Operator : JC/MD
Sample : L1540-16
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DBD66

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	14.523	4088	4100	4116	rBV2	20298	36130	1.16%	0.267%
36	14.922	4213	4224	4236	rVB3	44254	74485	2.40%	0.551%
37	15.211	4295	4314	4338	rBV	434045	687644	22.14%	5.086%
38	15.471	4379	4395	4410	rBV2	65051	116366	3.75%	0.861%
39	16.005	4540	4561	4574	rBV	1951659	3105489	100.00%	22.968%
40	16.066	4574	4580	4590	rVB4	23682	36596	1.18%	0.271%
41	16.240	4624	4634	4642	rBV3	21971	35318	1.14%	0.261%
42	17.159	4908	4920	4939	rBV	312217	533463	17.18%	3.945%

Sum of corrected areas: 13521049

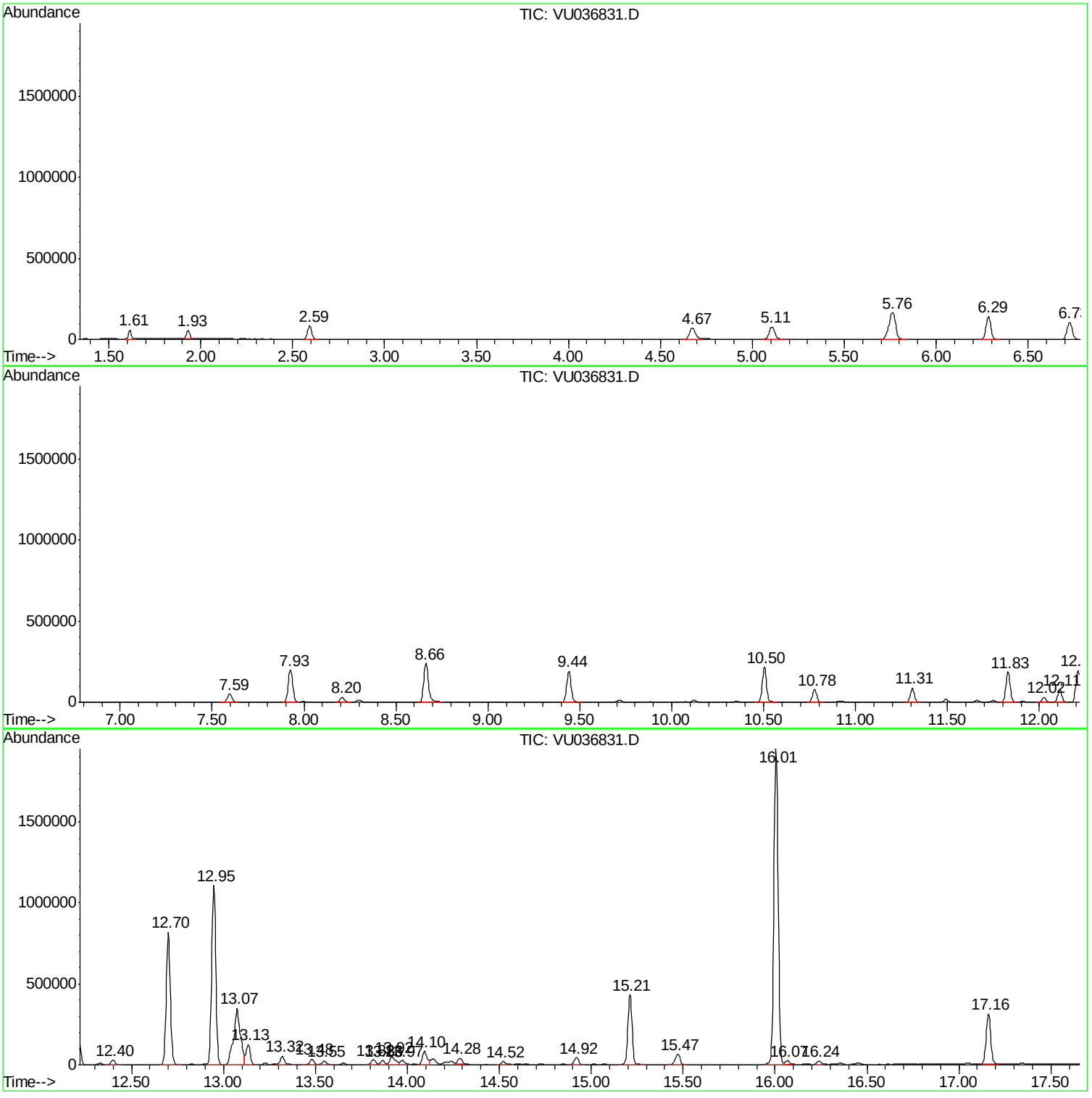
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU021820\
Data File : VU036831.D
Acq On : 18 Feb 2020 13:12
Operator : JC/MD
Sample : L1540-16
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DBD66

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\VU021820\
Data File : VU036831.D
Acq On : 18 Feb 2020 13:12
Operator : JC/MD
Sample : L1540-16
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DBD66

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

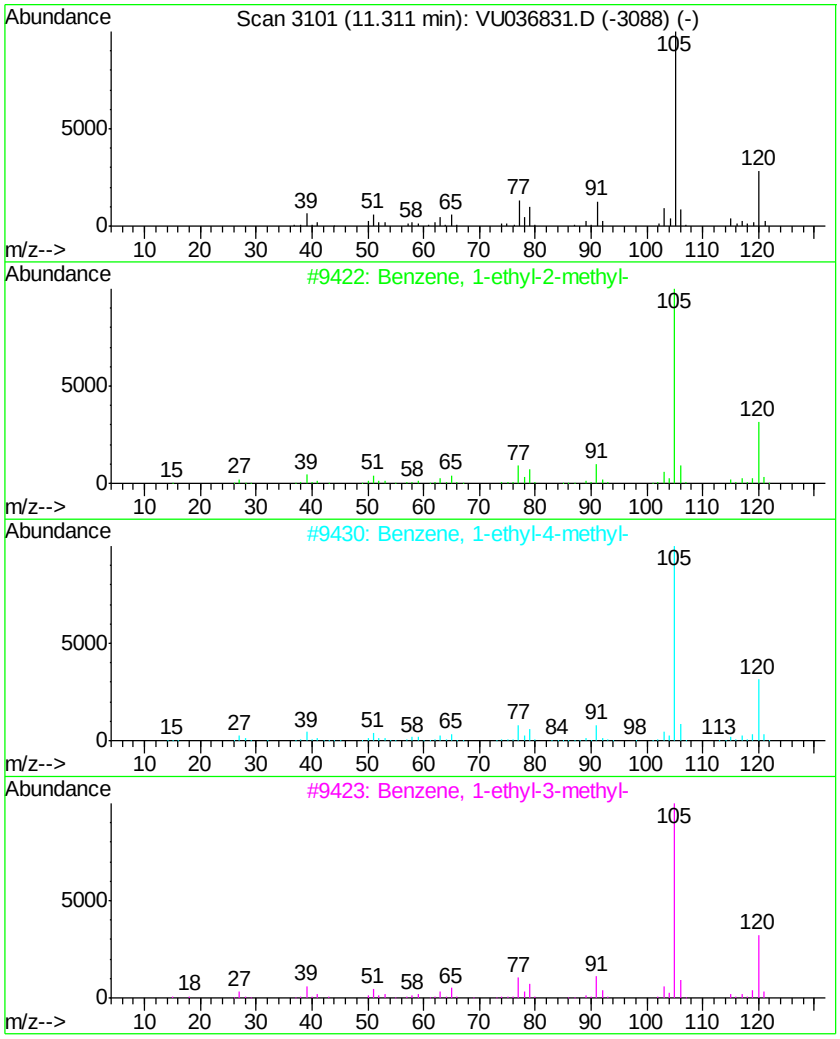
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

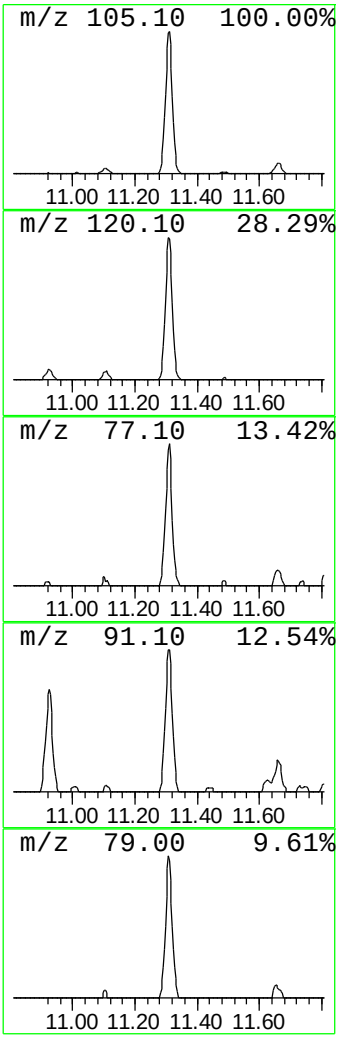
****

Peak Number 2 Benzene, 1-ethyl-2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.31	2.15 ug/L	131099	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-4-methyl-	120	C9H12	000622-96-8	91
3	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU021820\
Data File : VU036831.D
Acq On : 18 Feb 2020 13:12
Operator : JC/MD
Sample : L1540-16
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DBD66

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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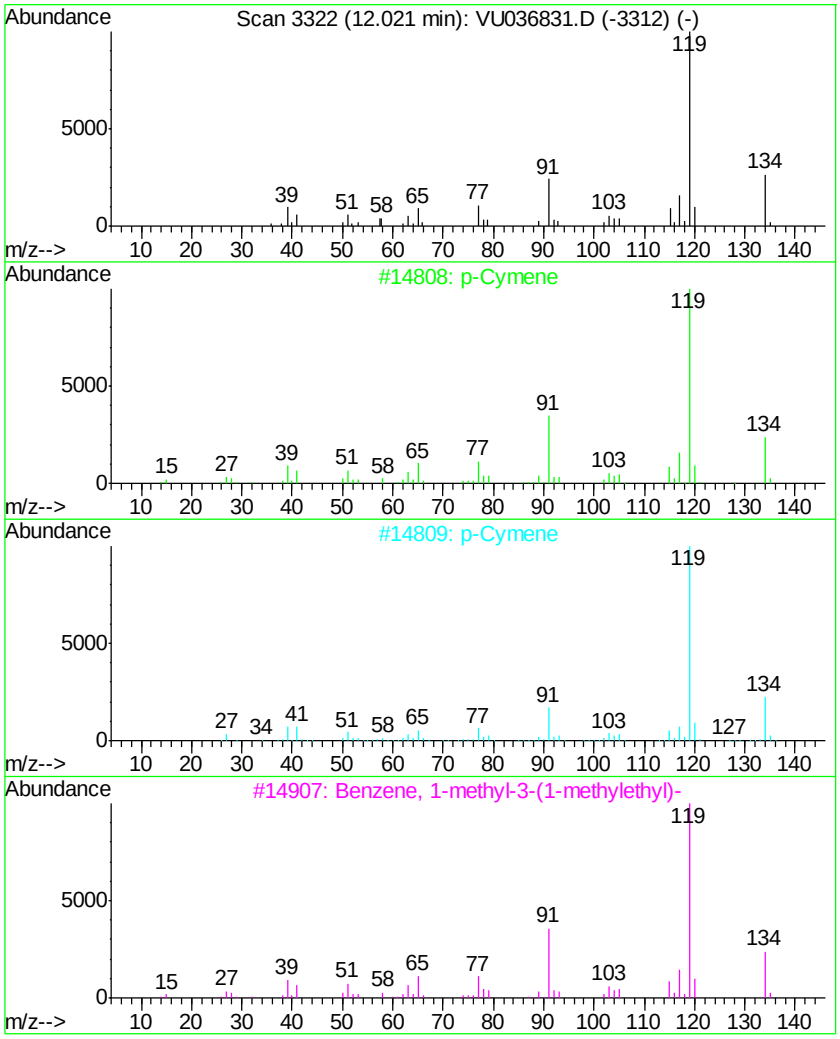
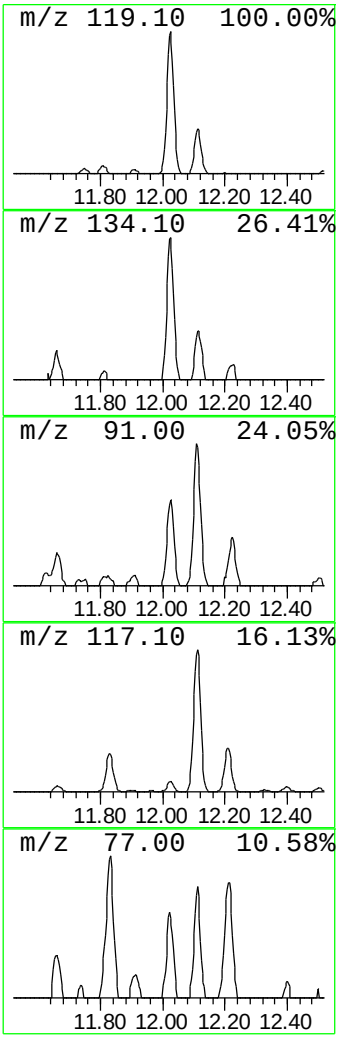
Peak Number 3 p-Cymene Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.02	0.67 ug/L	40986	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	p-Cymene	134	C10H14	000099-87-6	95
2	p-Cymene	134	C10H14	000099-87-6	94
3	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94
4	o-Cymene	134	C10H14	000527-84-4	94
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU021820\
Data File : VU036831.D
Acq On : 18 Feb 2020 13:12
Operator : JC/MD
Sample : L1540-16
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DBD66

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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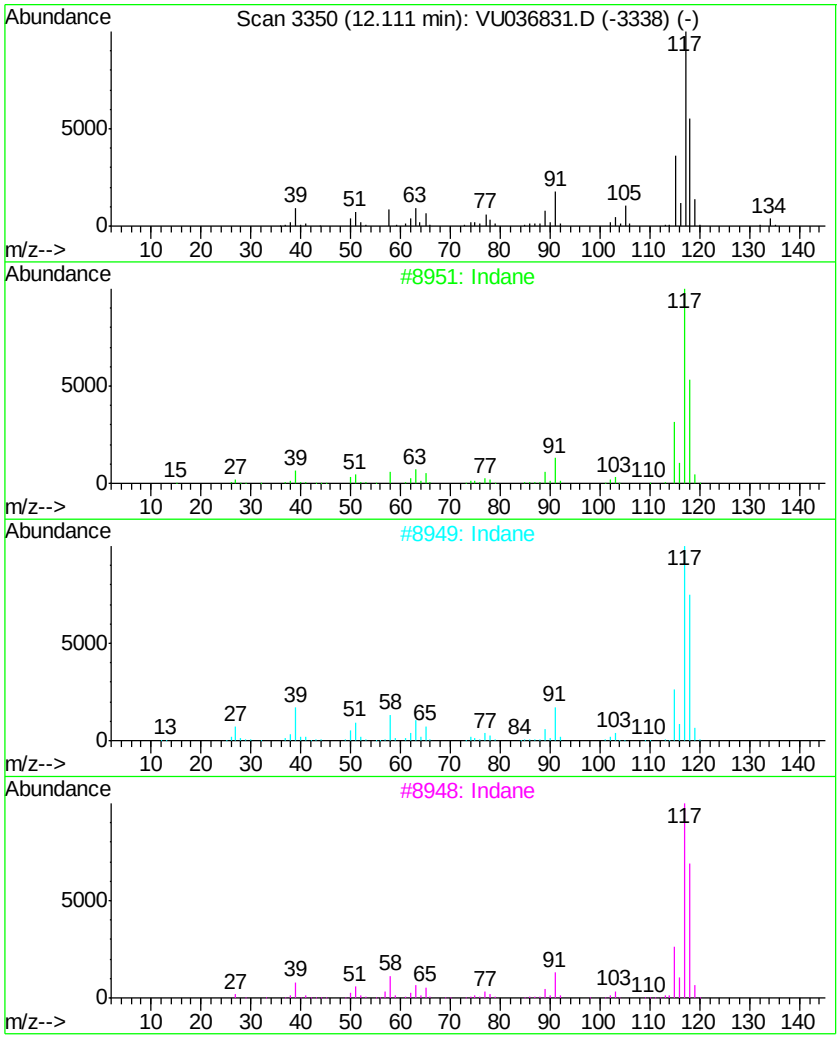
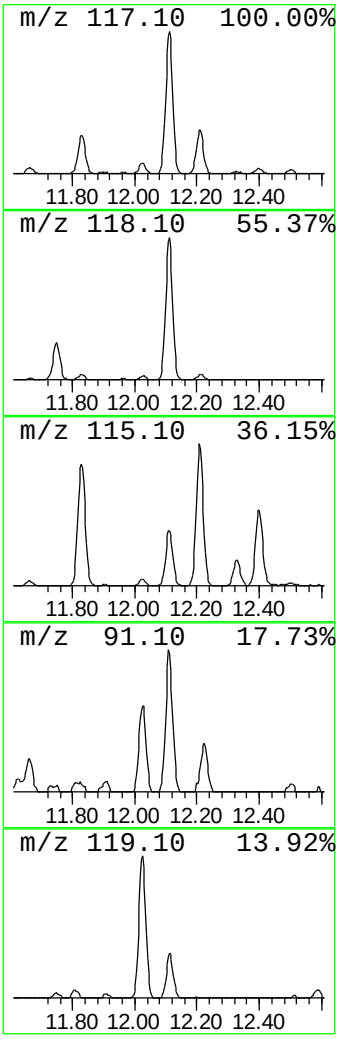
Peak Number 4 Indane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.11	1.97 ug/L	120264	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	94
2	Indane	118	C9H10	000496-11-7	81
3	Indane	118	C9H10	000496-11-7	81
4	(Z)-1-Phenylpropene	118	C9H10	000766-90-5	76
5	Benzene, cyclopropyl-	118	C9H10	000873-49-4	76





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU021820\
Data File : VU036831.D
Acq On : 18 Feb 2020 13:12
Operator : JC/MD
Sample : L1540-16
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DBD66

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

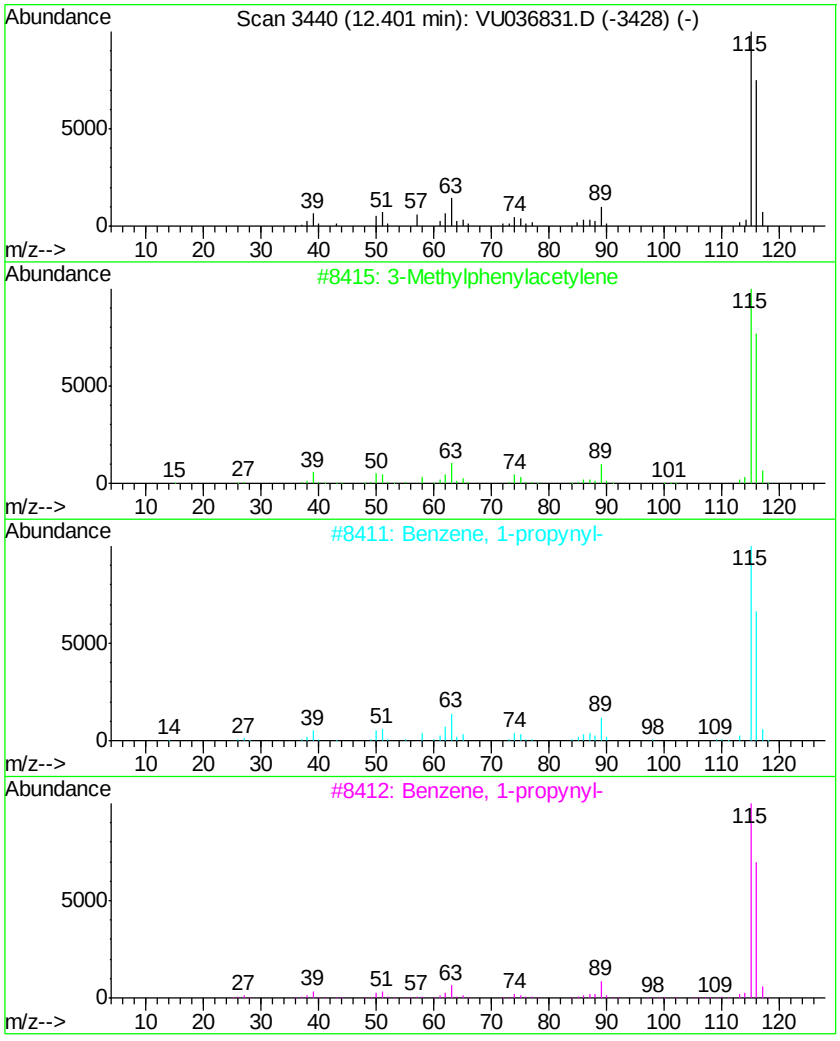
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

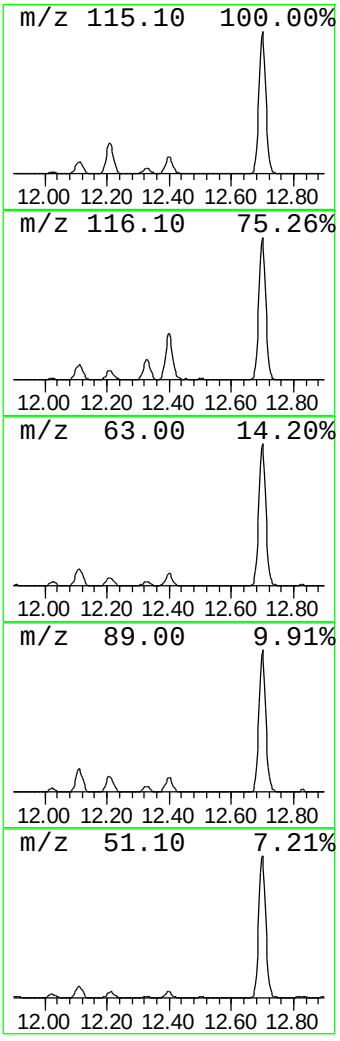
****

Peak Number 5 3-Methylphenylacetylene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.40	0.80 ug/L	48747	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Methylphenylacetylene	116	C9H8	000766-82-5	95
2	Benzene, 1-propynyl-	116	C9H8	000673-32-5	94
3	Benzene, 1-propynyl-	116	C9H8	000673-32-5	94
4	2-Methylphenylacetylene	116	C9H8	000766-47-2	91
5	Benzene, 1-propynyl-	116	C9H8	000673-32-5	90





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU021820\
Data File : VU036831.D
Acq On : 18 Feb 2020 13:12
Operator : JC/MD
Sample : L1540-16
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DBD66

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

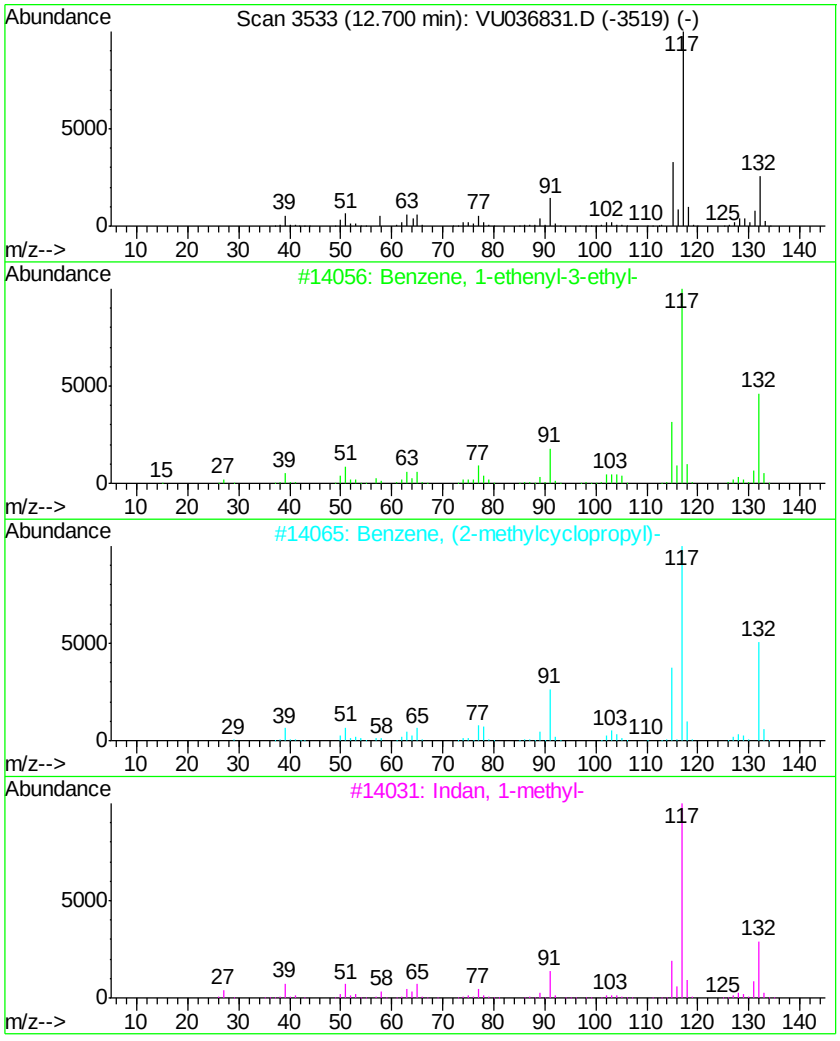
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

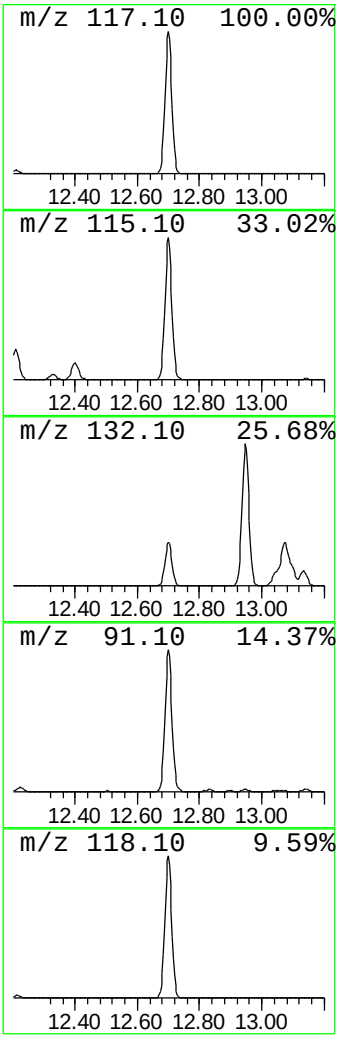
****

Peak Number 6 Benzene, 1-ethenyl-3-ethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.70	21.22 ug/L	1294610	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	91
2	Benzene, (2-methylcyclopropyl)-	132	C10H12	1000327-39-0	87
3	Indan, 1-methyl-	132	C10H12	000767-58-8	87
4	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	86
5	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	83





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU021820\
Data File : VU036831.D
Acq On : 18 Feb 2020 13:12
Operator : JC/MD
Sample : L1540-16
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DBD66

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

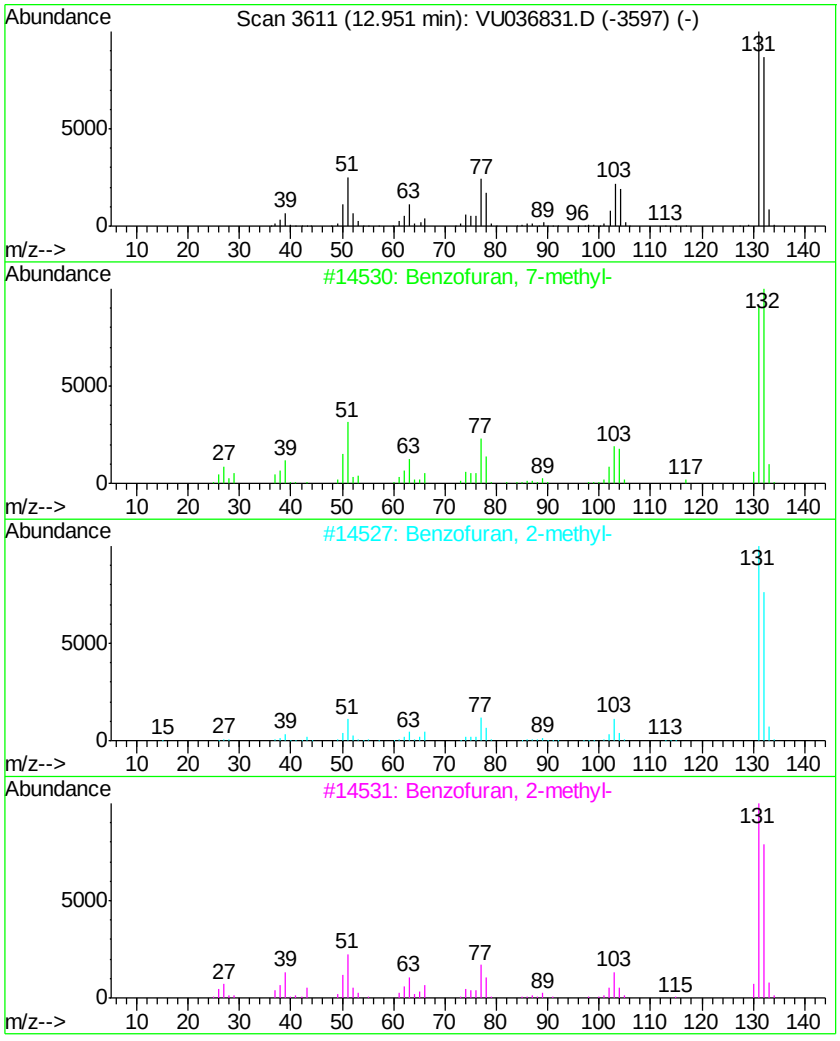
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

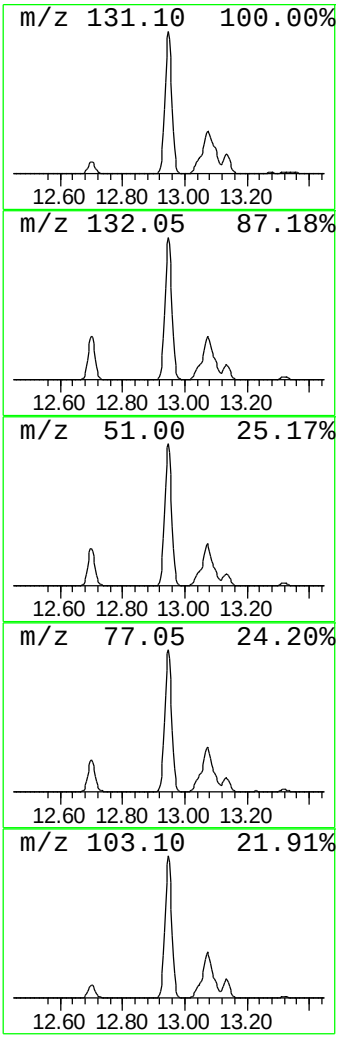
****

Peak Number 7 Benzofuran, 7-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.95	28.25 ug/L	1723670	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	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	94
4	Cinnamaldehyde, (E)-	132	C9H8O	014371-10-9	93
5	3-Phenyl-2-propyn-1-ol	132	C9H8O	001504-58-1	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU021820\
Data File : VU036831.D
Acq On : 18 Feb 2020 13:12
Operator : JC/MD
Sample : L1540-16
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DBD66

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

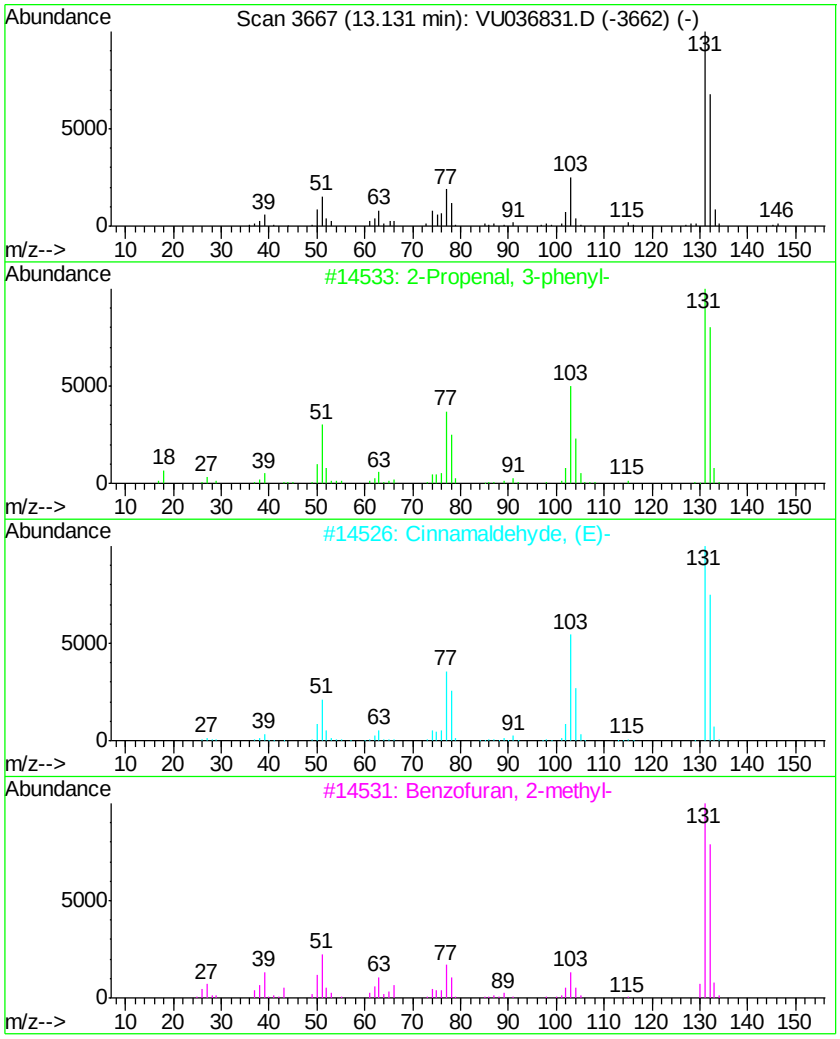
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

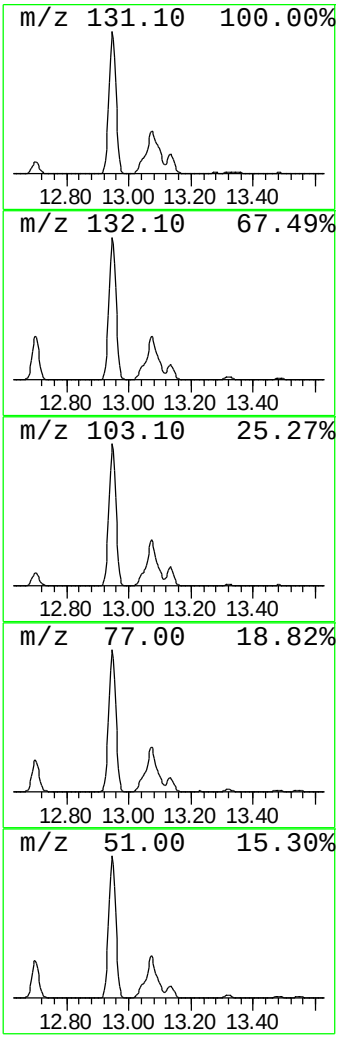
****

Peak Number 9 2-Propenal, 3-phenyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.13	3.21 ug/L	195626	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propenal, 3-phenyl-	132	C9H8O	000104-55-2	90
2	Cinnamaldehyde, (E)-	132	C9H8O	014371-10-9	90
3	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	90
4	2-Propenal, 3-phenyl-	132	C9H8O	000104-55-2	90
5	Cinnamaldehyde, (E)-	132	C9H8O	014371-10-9	90





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU021820\
Data File : VU036831.D
Acq On : 18 Feb 2020 13:12
Operator : JC/MD
Sample : L1540-16
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DBD66

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

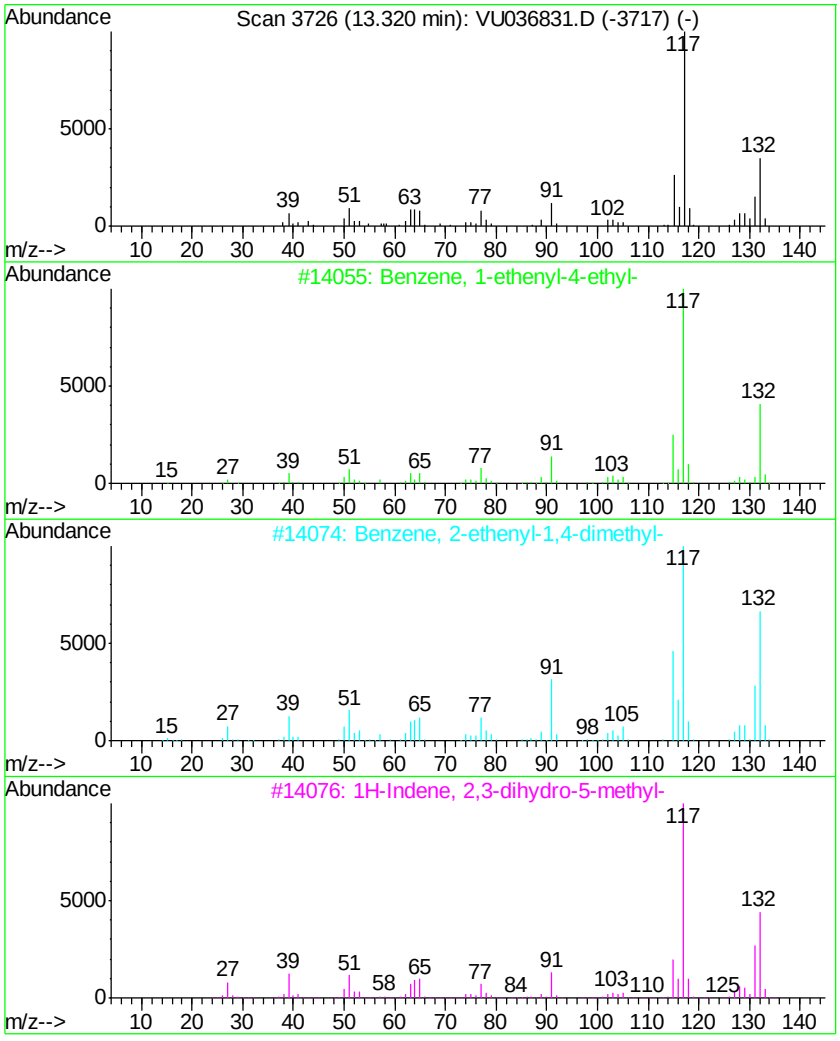
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

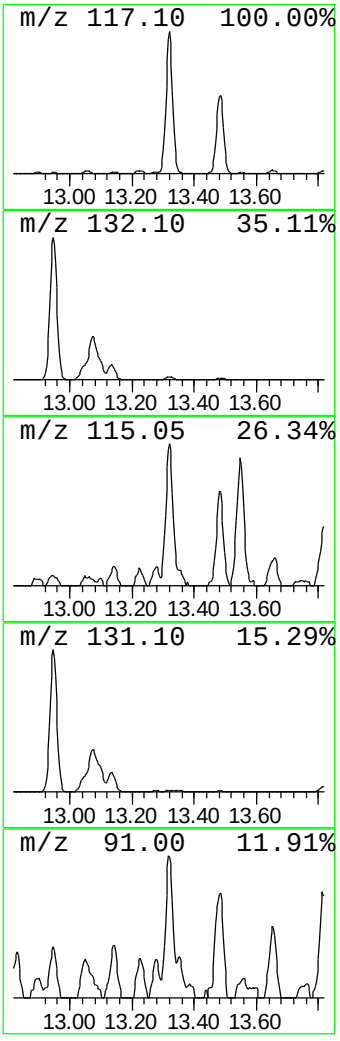
****

Peak Number 10 Benzene, 1-ethenyl-4-ethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.32	1.40 ug/L	85659	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	94
2	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	92
3	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	90
4	Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	90
5	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	87





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Data File : VU036831.D
Acq On : 18 Feb 2020 13:12
Operator : JC/MD
Sample : L1540-16
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DBD66

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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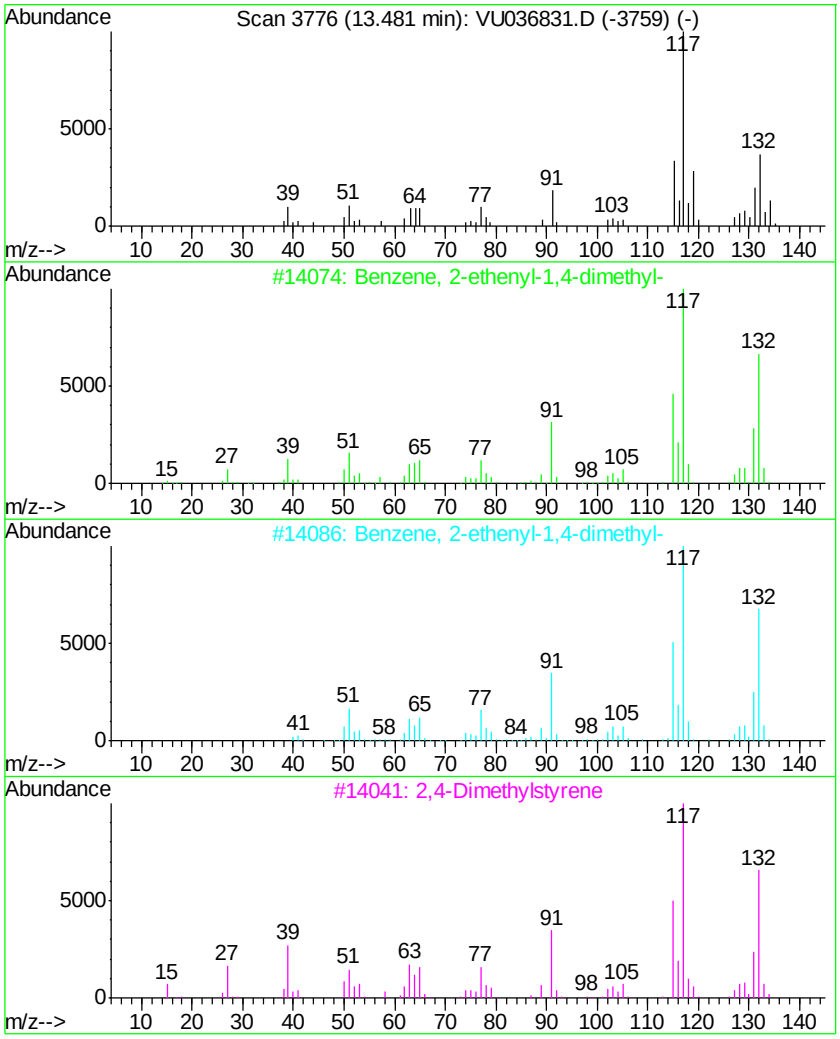
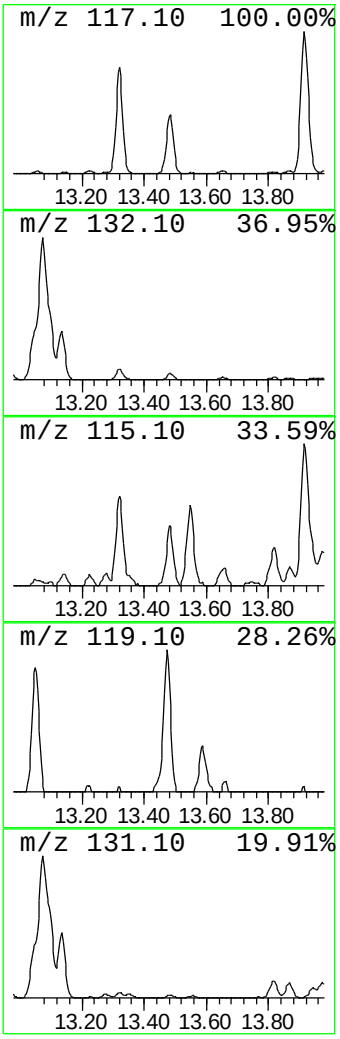
Peak Number 11 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.48	0.94 ug/L	57249	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, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	92
3	2,4-Dimethylstyrene	132	C10H12	002234-20-0	87
4	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	83
5	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	81





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Data File : VU036831.D
Acq On : 18 Feb 2020 13:12
Operator : JC/MD
Sample : L1540-16
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DBD66

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

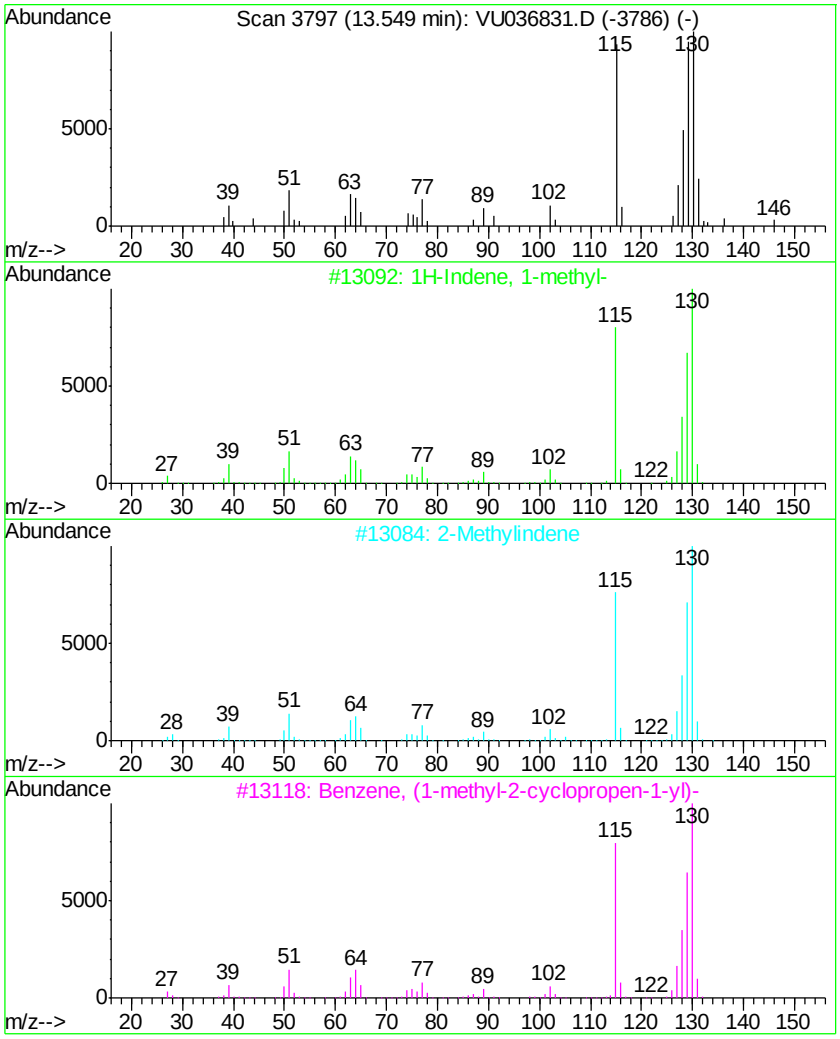
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

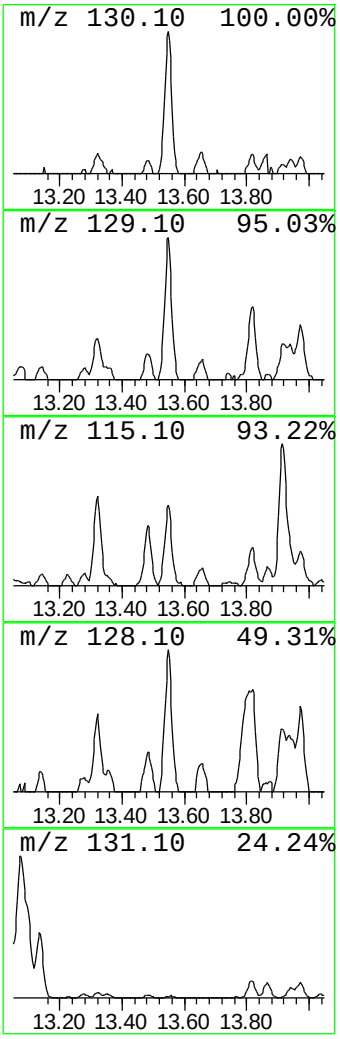
****

Peak Number 12 1H-Indene, 1-methyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.55	0.61 ug/L	37365	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	95
2	2-Methylindene	130	C10H10	002177-47-1	94
3	Benzene, (1-methyl-2-cyclopropen...	130	C10H10	065051-83-4	94
4	Cyclopropa[a]indene, 1,1a,6,6a-te...	130	C10H10	015677-15-3	94
5	Naphthalene, 1,2-dihydro-	130	C10H10	000447-53-0	93





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Data File : VU036831.D
Acq On : 18 Feb 2020 13:12
Operator : JC/MD
Sample : L1540-16
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DBD66

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

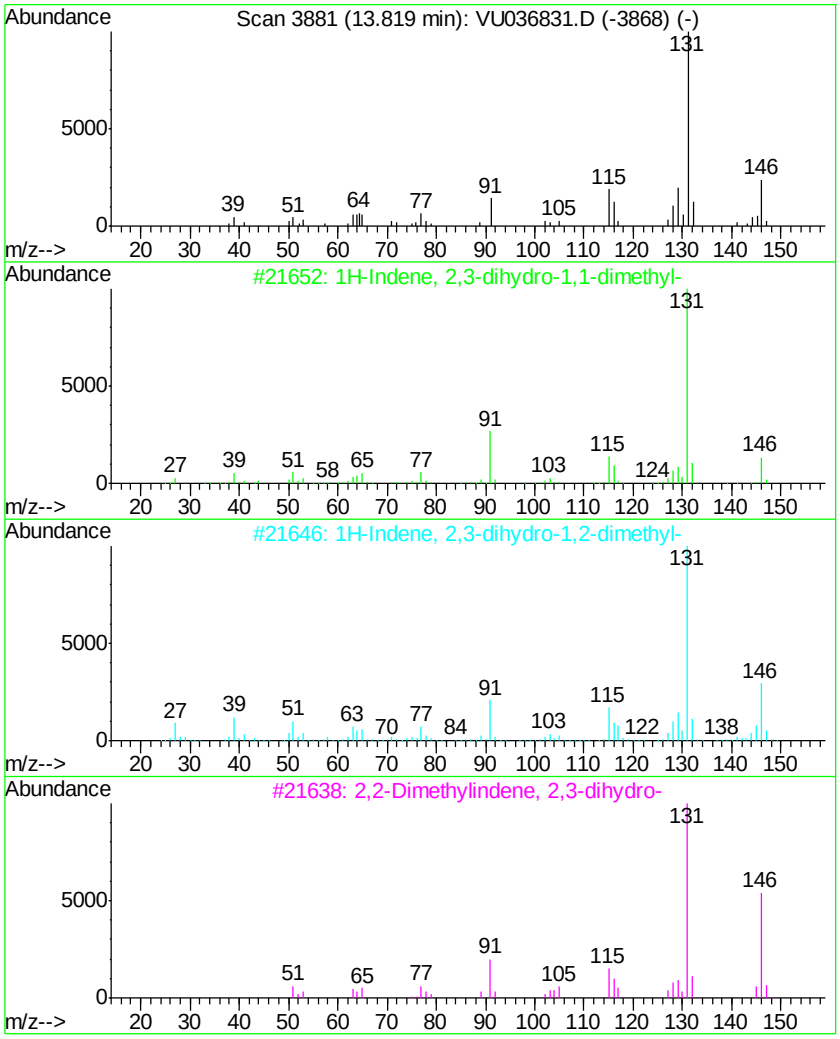
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

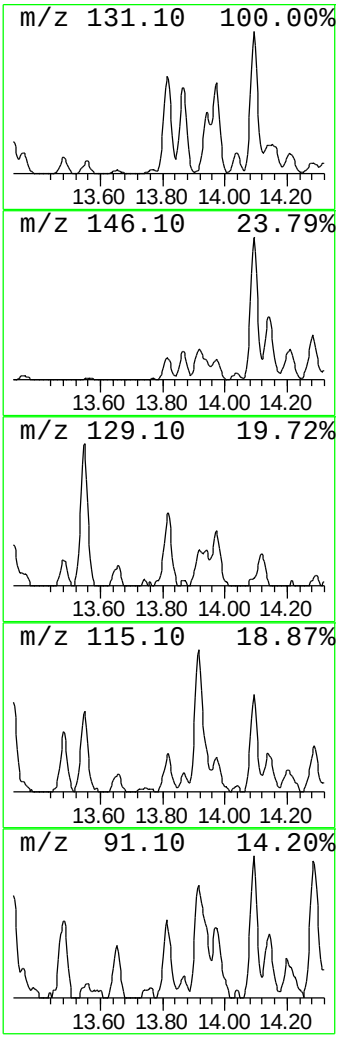
****

Peak Number 13 1H-Indene, 2,3-dihydro-1,1-... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.82	0.82 ug/L	50218	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,1-dimet...	146	C11H14	004912-92-9	93
2	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	91
3	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	90
4	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	90
5	Bicyclo[4.2.0]octa-1,3,5-triene,...	146	C11H14	027087-54-3	90





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Data File : VU036831.D
Acq On : 18 Feb 2020 13:12
Operator : JC/MD
Sample : L1540-16
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DBD66

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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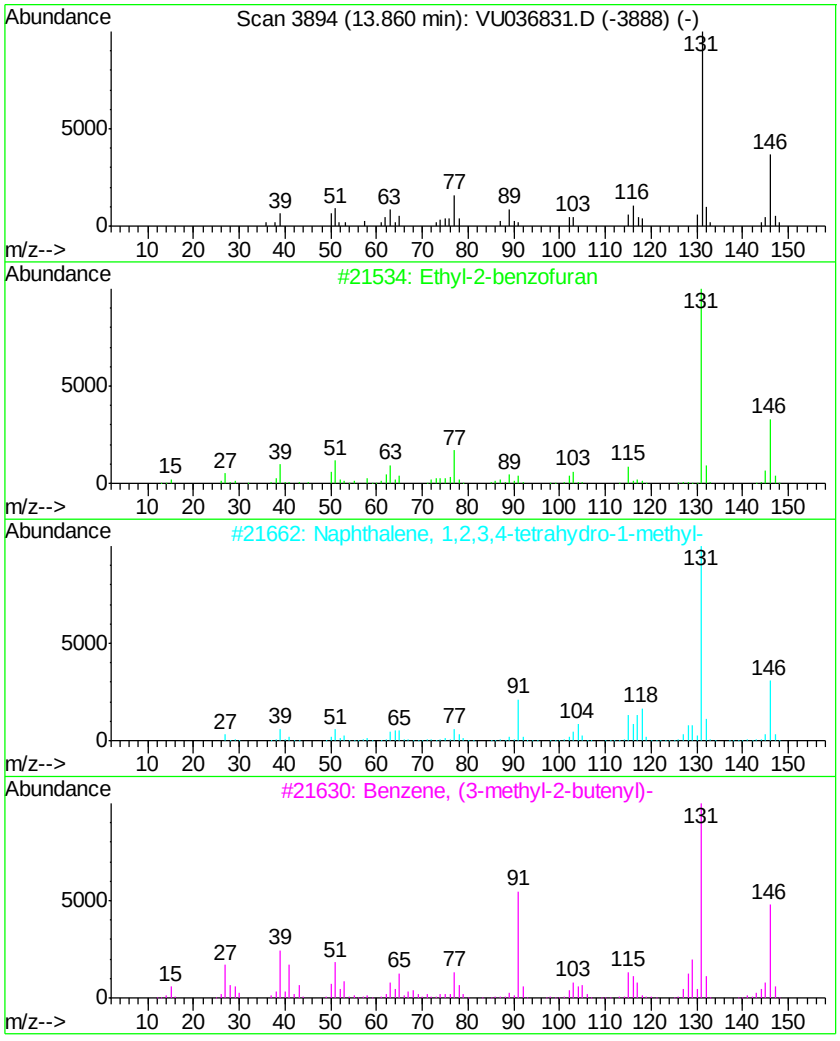
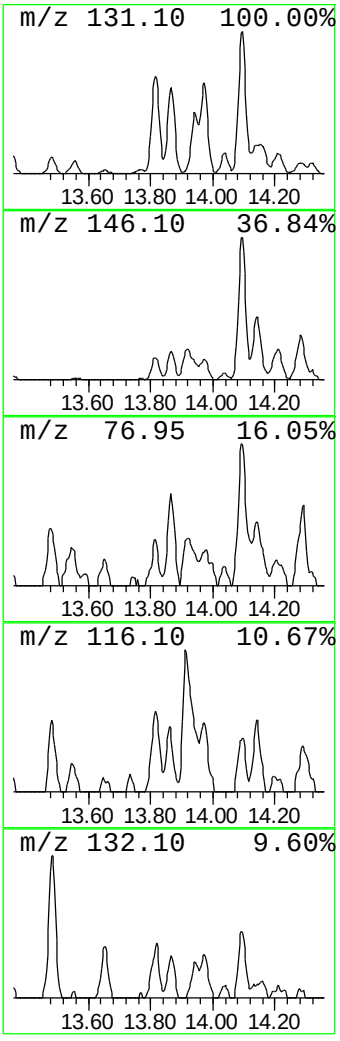
Peak Number 14 Ethyl-2-benzofuran Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.86	0.62 ug/L	37907	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethyl-2-benzofuran	146	C10H10O	003131-63-3	87
2	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	86
3	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	86
4	Benzene, 1-methyl-4-(1-methyl-2-...	146	C11H14	097664-18-1	80
5	Benzene, (1,1-dimethyl-2-propenyl)-	146	C11H14	018321-36-3	78





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Data File : VU036831.D
Acq On : 18 Feb 2020 13:12
Operator : JC/MD
Sample : L1540-16
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DBD66

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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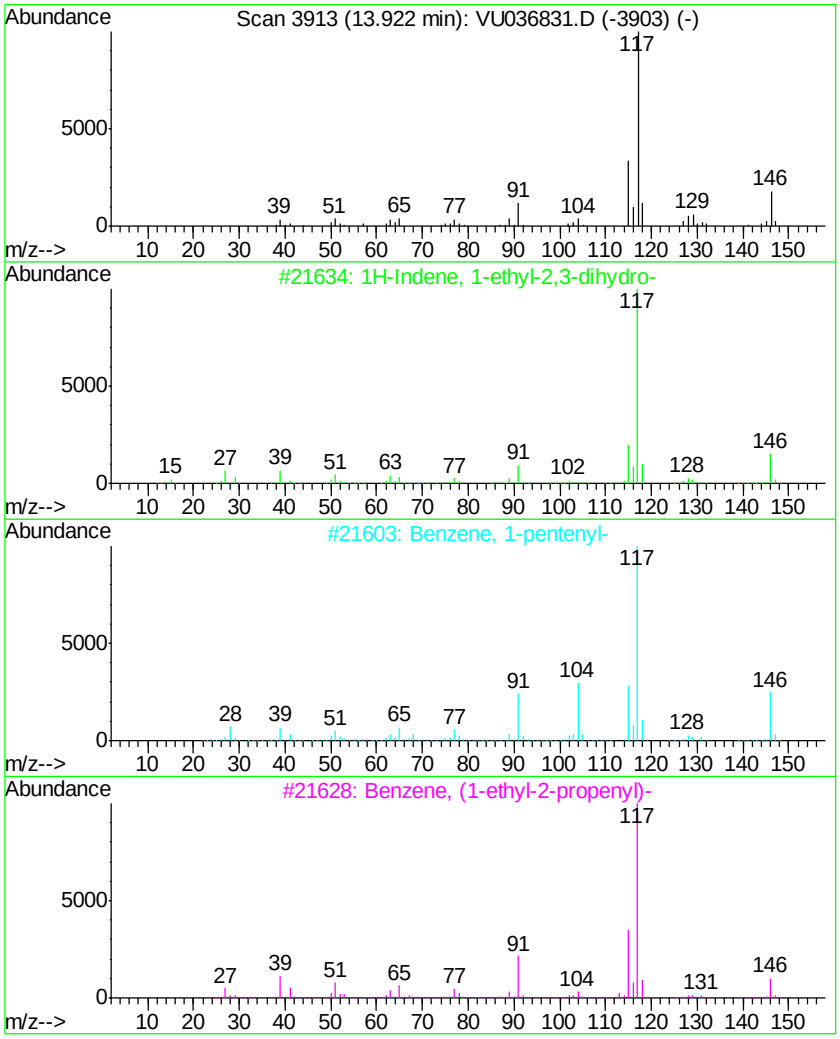
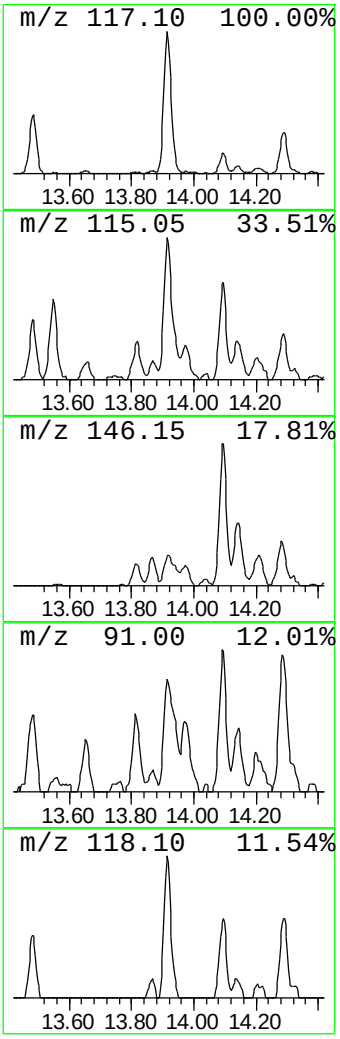
Peak Number 15 1H-Indene, 1-ethyl-2,3-dihy... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.92	1.80 ug/L	109753	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 1-ethyl-2,3-dihydro-	146	C11H14	004830-99-3	90
2	Benzene, 1-pentenyl-	146	C11H14	000826-18-6	86
3	Benzene, (1-ethyl-2-propenyl)-	146	C11H14	019947-22-9	80
4	Bicyclo[4.2.1]nona-2,4,7-triene,...	146	C11H14	1000164-42-6	78
5	1H-Indene, 1-ethyl-2,3-dihydro-	146	C11H14	004830-99-3	72





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Data File : VU036831.D
Acq On : 18 Feb 2020 13:12
Operator : JC/MD
Sample : L1540-16
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DBD66

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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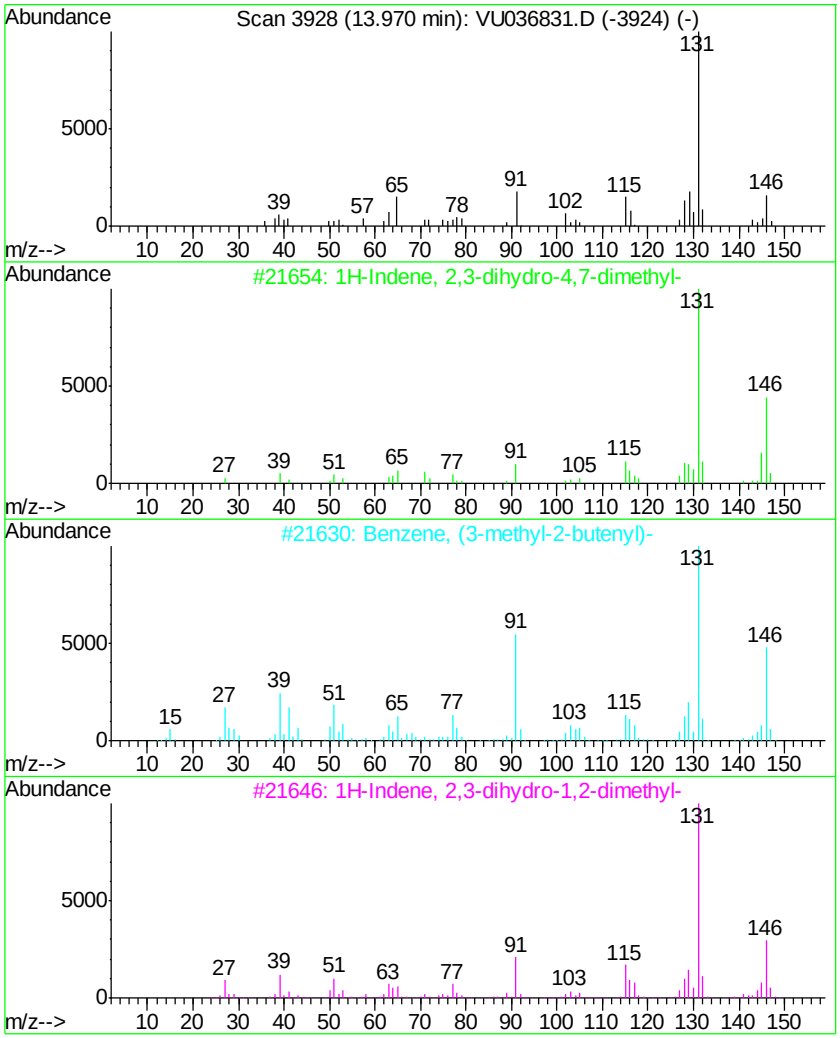
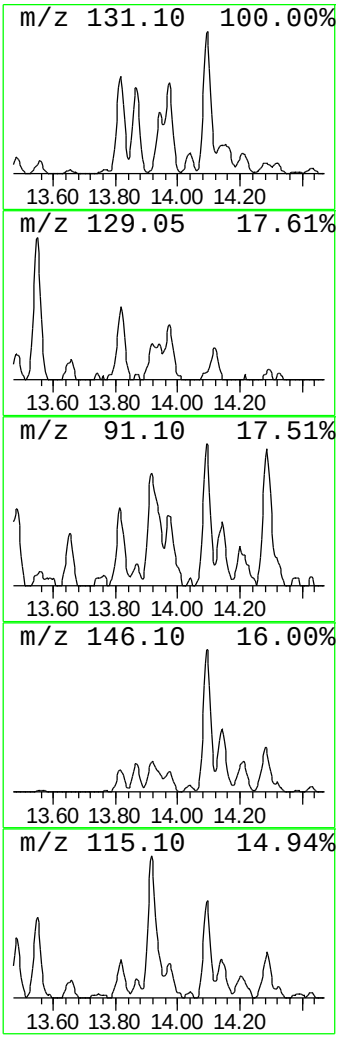
Peak Number 16 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.97	0.74 ug/L	45032	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	91
2	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	91
3	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	91
4	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	91
5	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	87





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU021820\
Data File : VU036831.D
Acq On : 18 Feb 2020 13:12
Operator : JC/MD
Sample : L1540-16
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DBD66

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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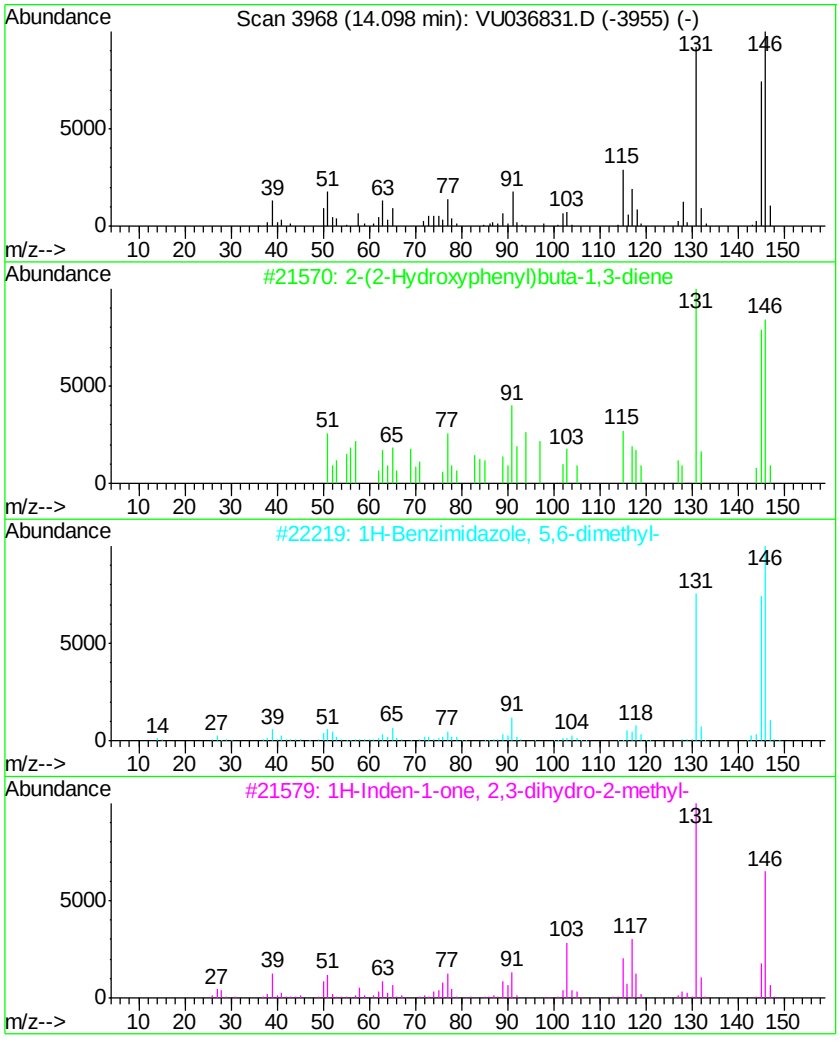
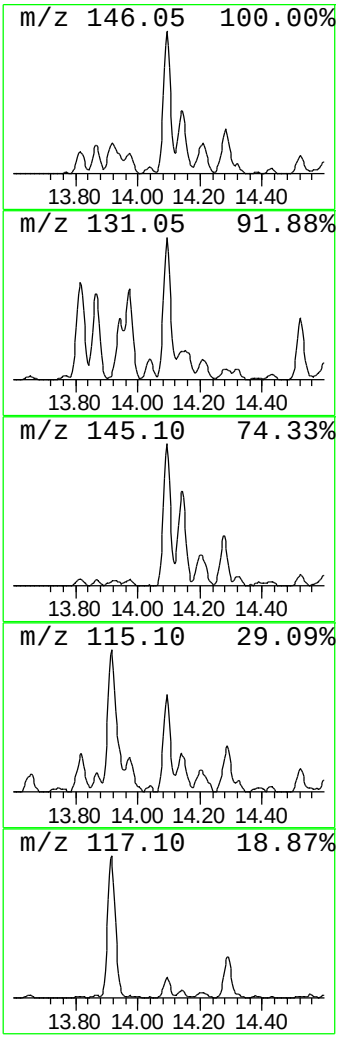
Peak Number 17 2-(2-Hydroxyphenyl)buta-1,3... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.10	2.50 ug/L	152838	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-(2-Hydroxyphenyl)buta-1,3-diene	146	C10H10O	038865-47-3	86
2	1H-Benzimidazole, 5,6-dimethyl-	146	C9H10N2	000582-60-5	83
3	1H-Inden-1-one, 2,3-dihydro-2-me...	146	C10H10O	017496-14-9	76
4	1H-Benzimidazole, 5,6-dimethyl-	146	C9H10N2	000582-60-5	72
5	1H-Indazole, 5,7-dimethyl-	146	C9H10N2	043067-41-0	68





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU021820\
Data File : VU036831.D
Acq On : 18 Feb 2020 13:12
Operator : JC/MD
Sample : L1540-16
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DBD66

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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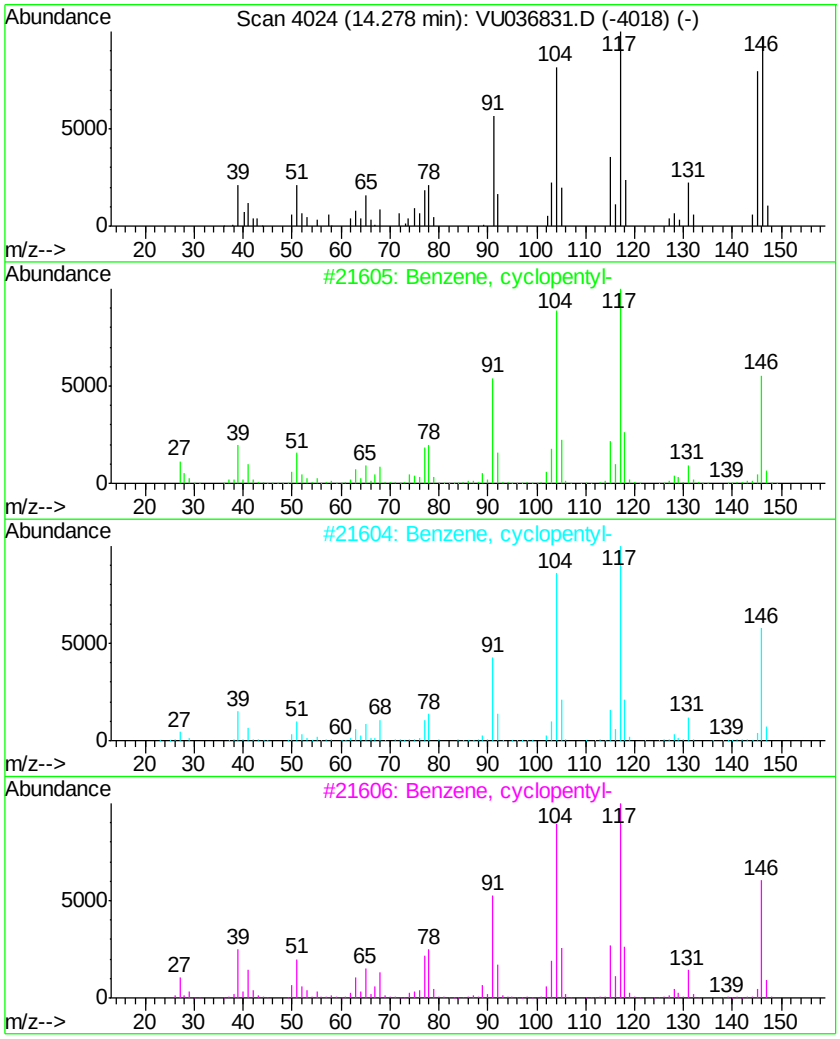
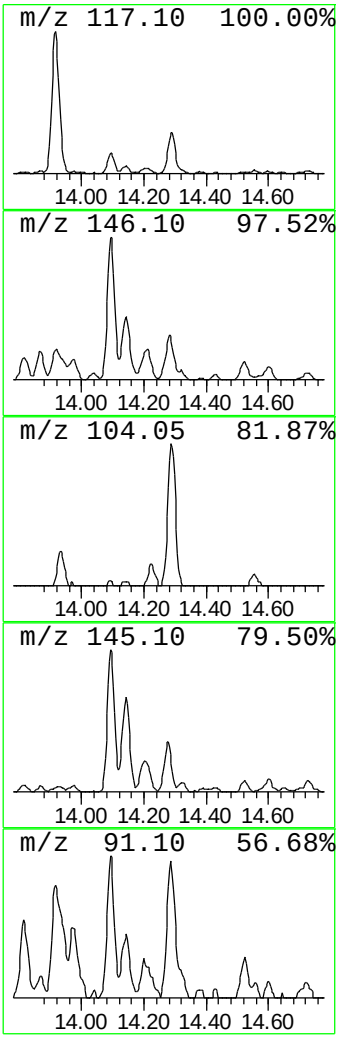
Peak Number 18 Benzene, cyclopentyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.28	0.87 ug/L	53122	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, cyclopentyl-	146	C11H14	000700-88-9	93
2	Benzene, cyclopentyl-	146	C11H14	000700-88-9	93
3	Benzene, cyclopentyl-	146	C11H14	000700-88-9	91
4	Benzene, 1-pentenyl-	146	C11H14	000826-18-6	53
5	1H-Imidazole, 4,5-dihydro-2-phenyl-	146	C9H10N2	000936-49-2	38





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Data File : VU036831.D
Acq On : 18 Feb 2020 13:12
Operator : JC/MD
Sample : L1540-16
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DBD66

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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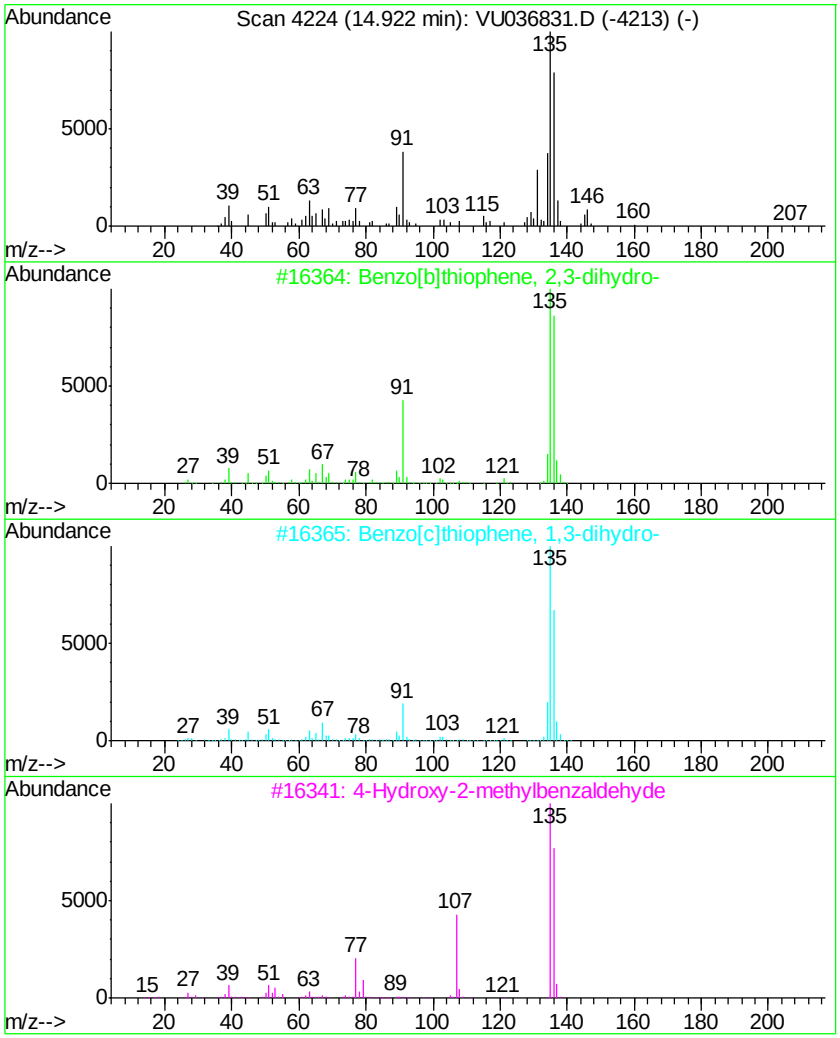
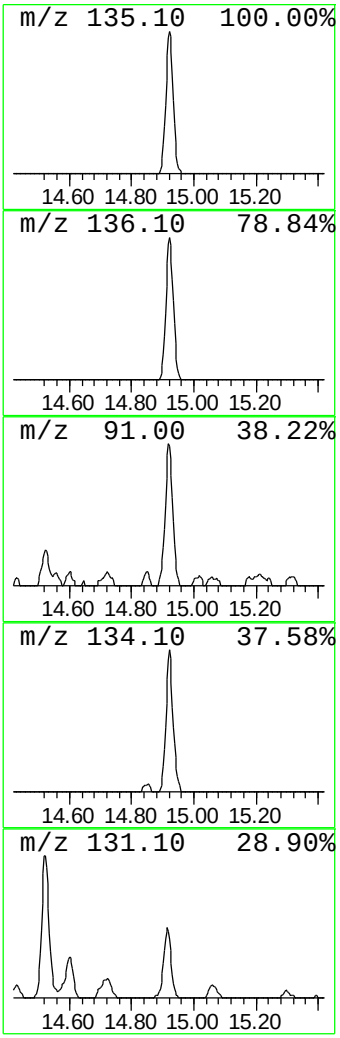
Peak Number 20 Benzo[b]thiophene, 2,3-dihy... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.92	1.22 ug/L	74485	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	81
2	Benzo[c]thiophene, 1,3-dihydro-	136	C8H8S	002471-92-3	76
3	4-Hydroxy-2-methylbenzaldehyde	136	C8H8O2	041438-18-0	58
4	Benzaldehyde, 2-hydroxy-4-methyl-	136	C8H8O2	000698-27-1	53
5	Benzaldehyde, 4-methoxy-	136	C8H8O2	000123-11-5	53





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Data File : VU036831.D
Acq On : 18 Feb 2020 13:12
Operator : JC/MD
Sample : L1540-16
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DBD66

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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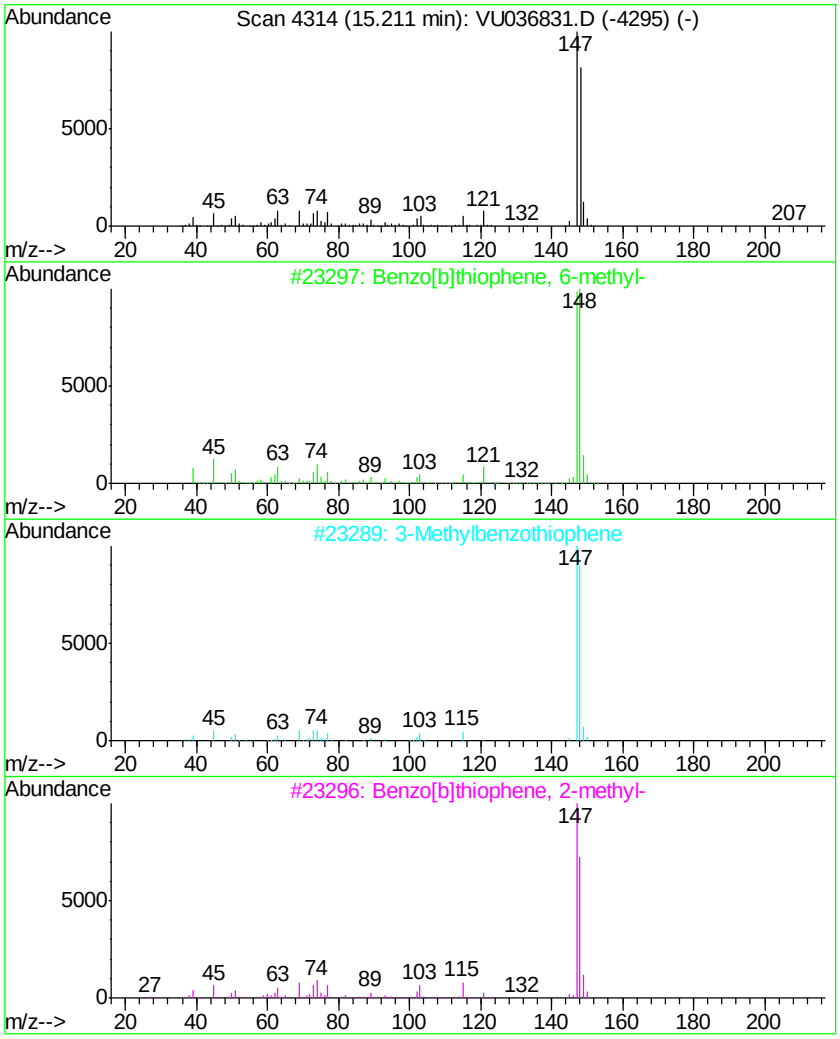
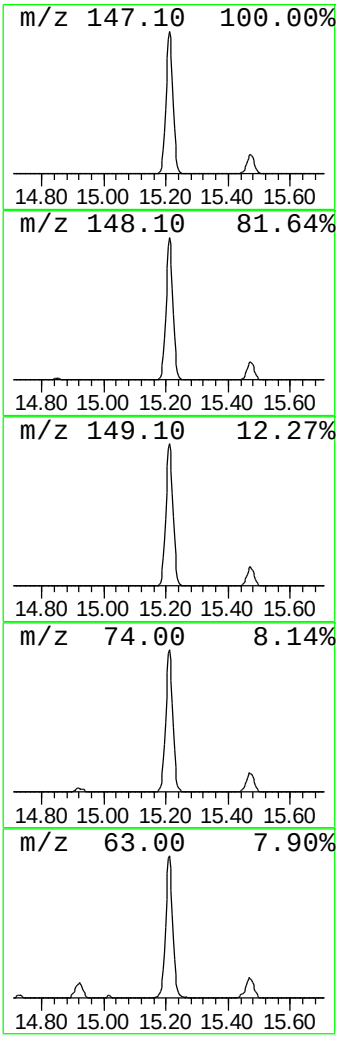
Peak Number 21 Benzo[b]thiophene, 6-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.21	11.27 ug/L	687644	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	3-Methylbenzothiophene	148	C9H8S	001455-18-1	93
3	Benzo[b]thiophene, 2-methyl-	148	C9H8S	001195-14-8	91
4	Benzo[b]thiophene, 5-methyl-	148	C9H8S	014315-14-1	91
5	Benzo[b]thiophene, 4-methyl-	148	C9H8S	014315-11-8	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU021820\
Data File : VU036831.D
Acq On : 18 Feb 2020 13:12
Operator : JC/MD
Sample : L1540-16
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DBD66

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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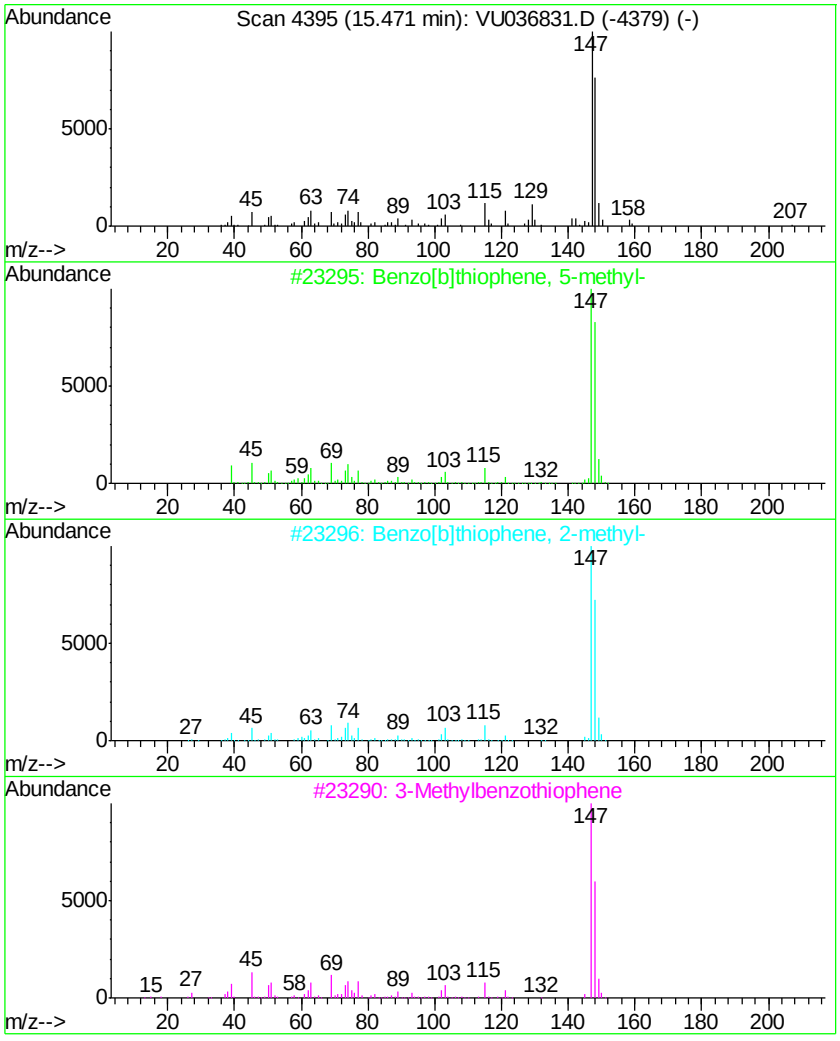
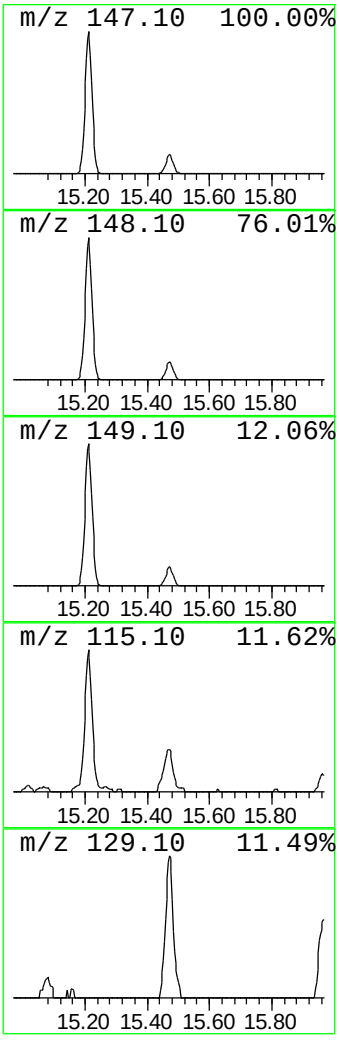
Peak Number 22 Benzo[b]thiophene, 5-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.47	1.91 ug/L	116366	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	95
2	Benzo[b]thiophene, 2-methyl-	148	C9H8S	001195-14-8	93
3	3-Methylbenzothiophene	148	C9H8S	001455-18-1	91
4	Benzo[b]thiophene, 6-methyl-	148	C9H8S	016587-47-6	91
5	Benzo[b]thiophene, 2-methyl-	148	C9H8S	001195-14-8	87





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU021820\
Data File : VU036831.D
Acq On : 18 Feb 2020 13:12
Operator : JC/MD
Sample : L1540-16
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DBD66

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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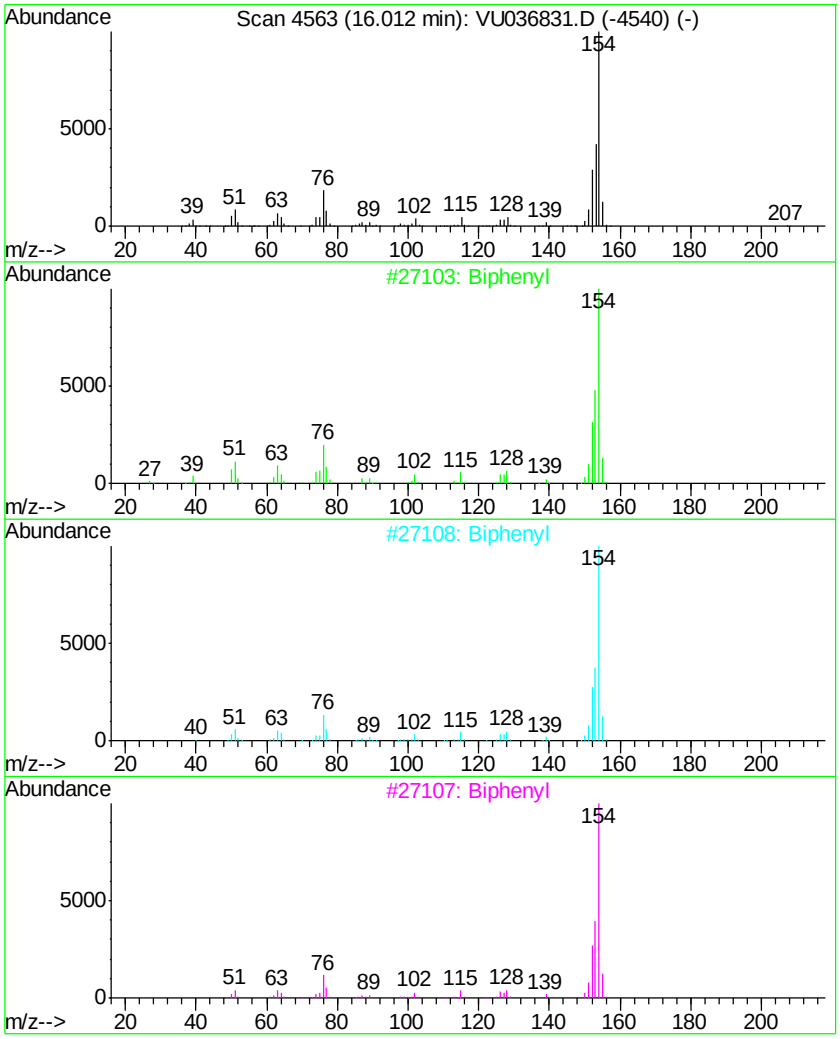
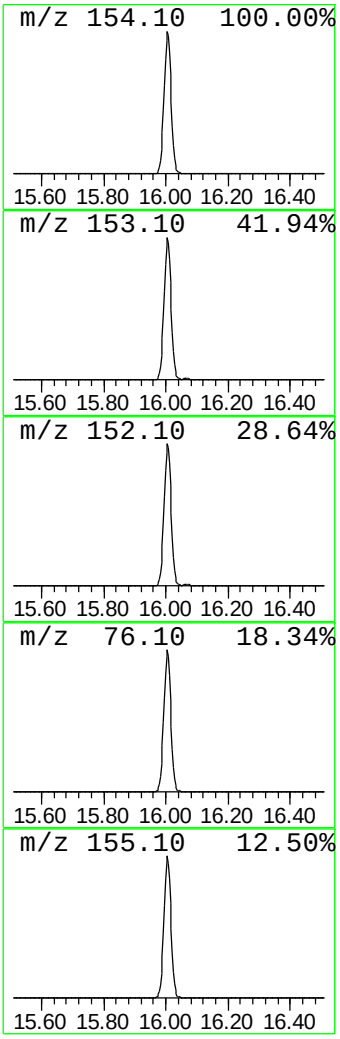
Peak Number 23 Biphenyl Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.01	50.89 ug/L	3105490	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Biphenyl	154	C12H10	000092-52-4	96
2	Biphenyl	154	C12H10	000092-52-4	95
3	Biphenyl	154	C12H10	000092-52-4	95
4	Biphenyl	154	C12H10	000092-52-4	91
5	Naphthalene, 2-ethenyl-	154	C12H10	000827-54-3	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU021820\
Data File : VU036831.D
Acq On : 18 Feb 2020 13:12
Operator : JC/MD
Sample : L1540-16
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DBD66

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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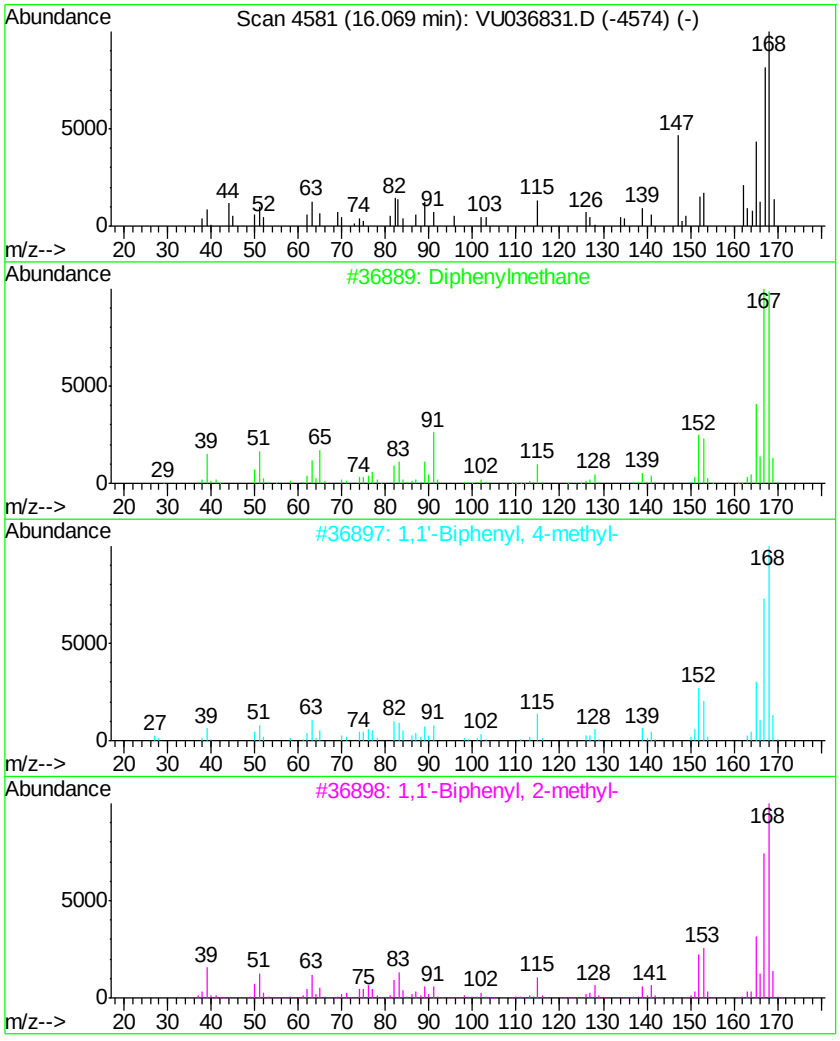
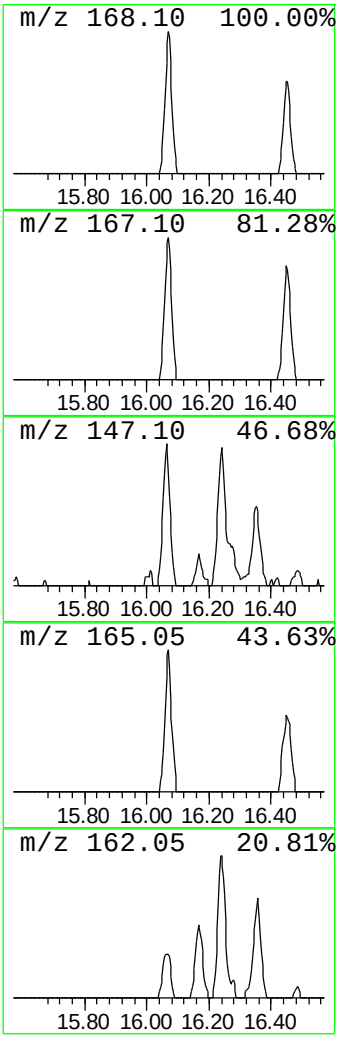
Peak Number 24 Diphenylmethane Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.07	0.60 ug/L	36596	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Diphenylmethane	168	C13H12	000101-81-5	78
2	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	78
3	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	64
4	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	64
5	1,1-Diphenyl-2-propanol	212	C15H16O	029338-49-6	59





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU021820\
Data File : VU036831.D
Acq On : 18 Feb 2020 13:12
Operator : JC/MD
Sample : L1540-16
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DBD66

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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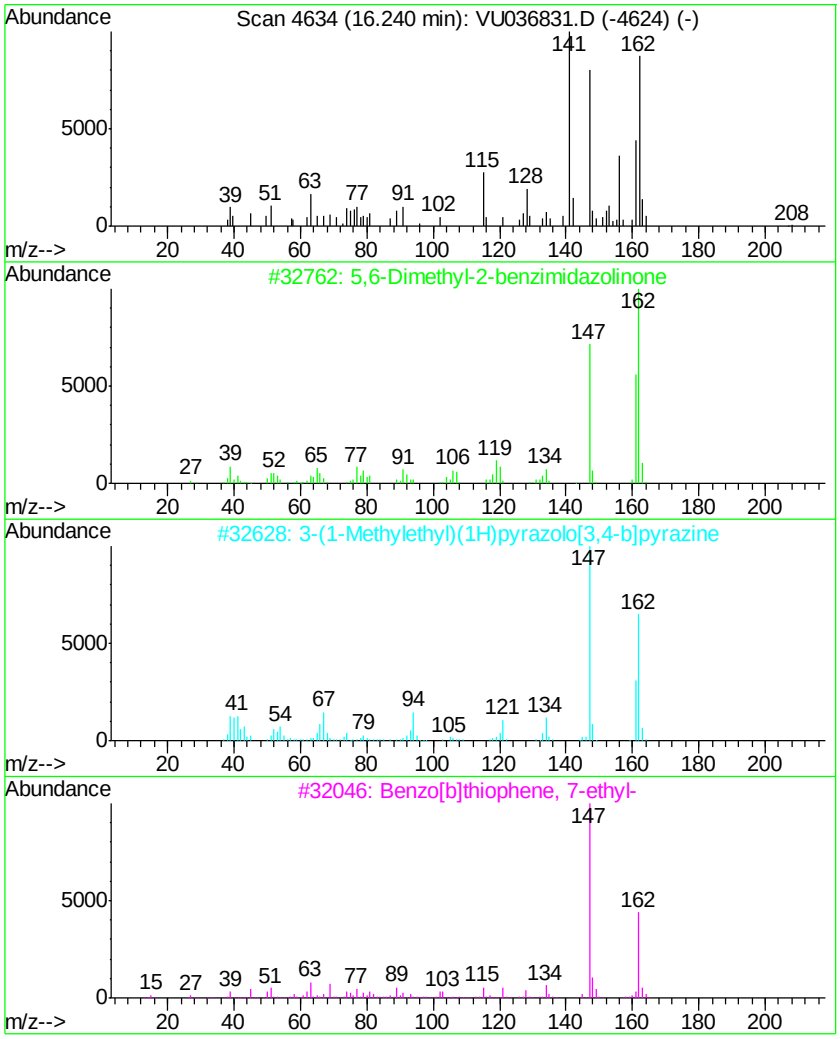
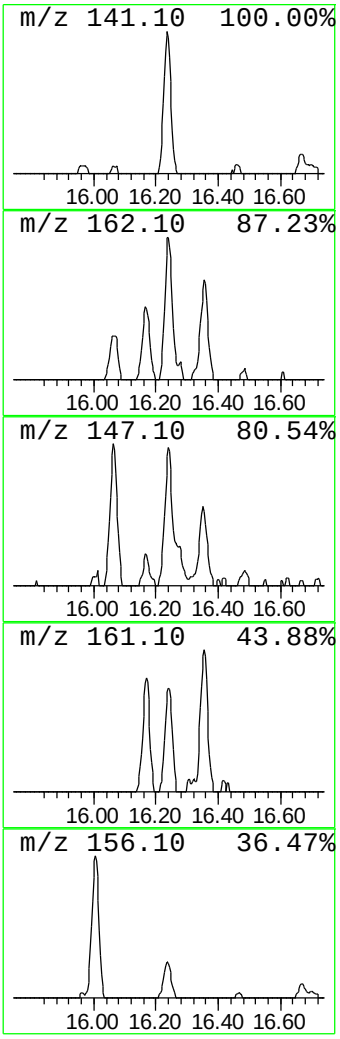
Peak Number 25 unknown-01 Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.24	0.58 ug/L	35318	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,6-Dimethyl-2-benzimidazolinone	162	C9H10N2O	002033-30-9	49
2	3-(1-Methylethyl)(1H)pyrazolo[3,...	162	C8H10N4	1000108-62-9	46
3	Benzo[b]thiophene, 7-ethyl-	162	C10H10S	016587-42-1	43
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	42
5	5-Ethylbenzo[b]thiophene	162	C10H10S	017514-96-4	38





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU021820\
Data File : VU036831.D
Acq On : 18 Feb 2020 13:12
Operator : JC/MD
Sample : L1540-16
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DBD66

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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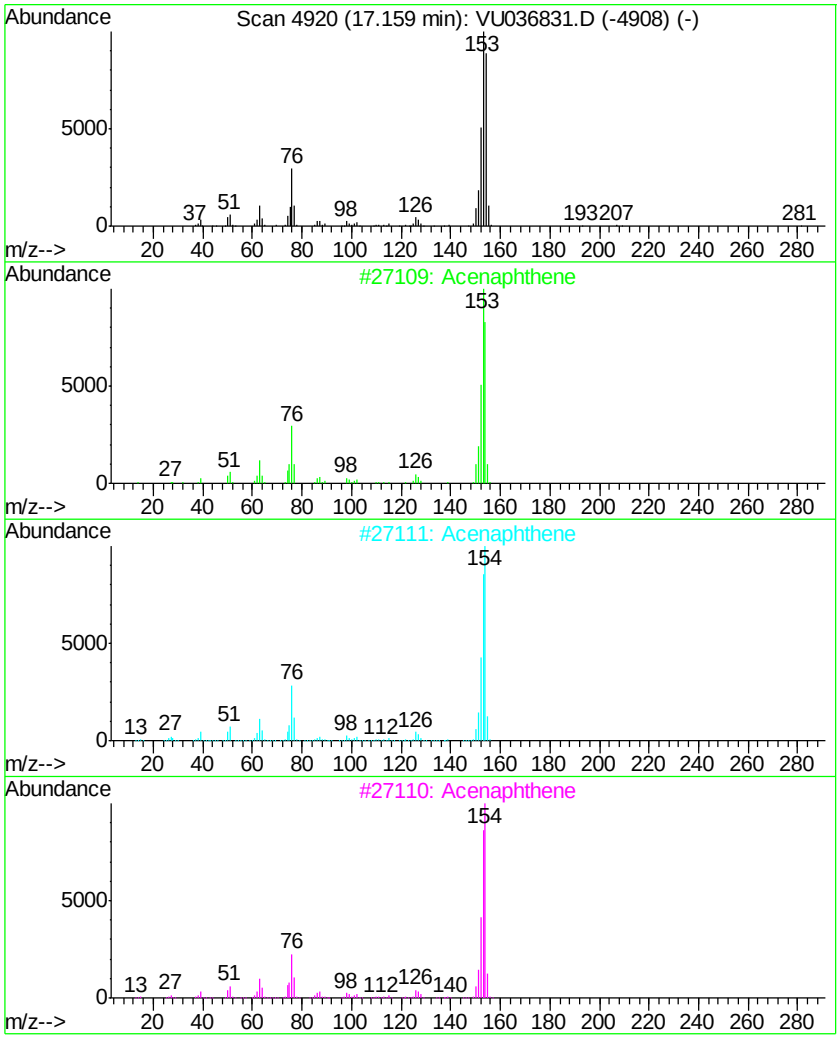
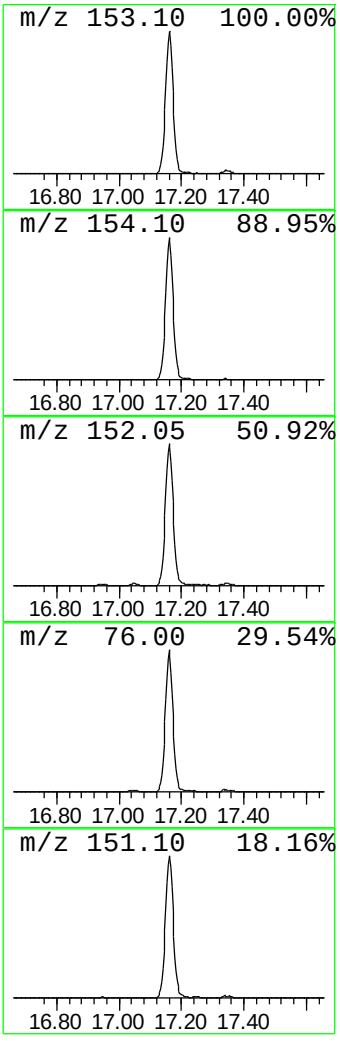
Peak Number 26 Acenaphthene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.16	8.74 ug/L	533463	1,4-Dichlorobenzene-d4	11.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acenaphthene	154	C12H10	000083-32-9	96
2	Acenaphthene	154	C12H10	000083-32-9	89
3	Acenaphthene	154	C12H10	000083-32-9	89
4	Naphthalene, 2-ethenyl-	154	C12H10	000827-54-3	68
5	Acenaphthene	154	C12H10	000083-32-9	64





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU021820\
Data File : VU036831.D
Acq On : 18 Feb 2020 13:12
Operator : JC/MD
Sample : L1540-16
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DBD66

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-...	11.31	2.1	ug/L	131099	3	11.83	305116	5.0
p-Cymene	12.02	0.7	ug/L	40986	3	11.83	305116	5.0
Indane	12.11	2.0	ug/L	120264	3	11.83	305116	5.0
3-Methylphenylace...	12.40	0.8	ug/L	48747	3	11.83	305116	5.0
Benzene, 1-etheny...	12.70	21.2	ug/L	1294610	3	11.83	305116	5.0
Benzofuran, 7-met...	12.95	28.3	ug/L	1723670	3	11.83	305116	5.0
2-Propenal, 3-phe...	13.13	3.2	ug/L	195626	3	11.83	305116	5.0
Benzene, 1-etheny...	13.32	1.4	ug/L	85659	3	11.83	305116	5.0
Benzene, 2-etheny...	13.48	0.9	ug/L	57249	3	11.83	305116	5.0
1H-Indene, 1-methyl-	13.55	0.6	ug/L	37365	3	11.83	305116	5.0
1H-Indene, 2,3-di...	13.82	0.8	ug/L	50218	3	11.83	305116	5.0
Ethyl-2-benzofuran	13.86	0.6	ug/L	37907	3	11.83	305116	5.0
1H-Indene, 1-ethy...	13.92	1.8	ug/L	109753	3	11.83	305116	5.0
1H-Indene, 2,3-di...	13.97	0.7	ug/L	45032	3	11.83	305116	5.0
2-(2-Hydroxypheny...	14.10	2.5	ug/L	152838	3	11.83	305116	5.0
Benzene, cyclopen...	14.28	0.9	ug/L	53122	3	11.83	305116	5.0
Benzo[b]thiophene...	14.92	1.2	ug/L	74485	3	11.83	305116	5.0
Benzo[b]thiophene...	15.21	11.3	ug/L	687644	3	11.83	305116	5.0
Benzo[b]thiophene...	15.47	1.9	ug/L	116366	3	11.83	305116	5.0
Biphenyl	16.01	50.9	ug/L	3105490	3	11.83	305116	5.0
Diphenylmethane	16.07	0.6	ug/L	36596	3	11.83	305116	5.0
unknown-01	16.24	0.6	ug/L	35318	3	11.83	305116	5.0
Acenaphthene	17.16	8.7	ug/L	533463	3	11.83	305116	5.0