LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV081919\
Data File : VV012292.D
Acq On : 19 Aug 2019 22:14
Operator : SY/MD
Sample : K4373-11
Misc : 25mL/MSVOA V/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0AB2

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_V\METHOD\SOMVTR081919WMA.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	5.145	1248	1261	1289	rVB	3439625	7409508	3.23%	1.216%
2	7.431	1959	1972	1996	rVB	5840607	9725275	4.24%	1.596%
3	9.055	2462	2477	2498	rBV	9579144	15149500	6.61%	2.486%
4	9.180	2499	2516	2553	rVB	8571331	13992360	6.11%	2.296%
5	9.585	2631	2642	2672	rVB	4580680	7176700	3.13%	1.177%
6	9.974	2749	2763	2785	rBV	2856008	4402044	1.92%	0.722%
7	10.489	2909	2923	2928	rBV	2740763	4335275	1.89%	0.711%
8	10.582	2941	2952	2965	rVB	2194492	3299248	1.44%	0.541%
9	10.958	3040	3069	3081	rBV	5545437	8374088	3.65%	1.374%
10	11.212	3135	3148	3163	rBV2	2342727	4140978	1.81%	0.679%
11	11.379	3188	3200	3212	rBV	2248683	3488186	1.52%	0.572%
12	11.588	3247	3265	3282	rBV2	45510923	83224635	36.32%	13.654%
13	11.678	3282	3293	3307	rVB3	1520048	2694025	1.18%	0.442%
14	11.791	3317	3328	3340	rVB	3021463	4569733	1.99%	0.750%
15	12.161	3433	3443	3461	rBV	2199140	3421432	1.49%	0.561%
16	12.511	3542	3552	3562	rBV	4032376	6791628	2.96%	1.114%
17	12.771	3616	3633	3649	rVB	3075670	4632203	2.02%	0.760%
18	12.929	3663	3682	3693	rBV2	3967180	6309485	2.75%	1.035%
19	12.993	3693	3702	3715	rVB	1964521	3126909	1.36%	0.513%
20	13.099	3723	3735	3751	rVB2	3381659	5819241	2.54%	0.955%
21	13.601	3860	3891	3901	rBV2	76890324	229137826	100.00%	37.593%
22	13.685	3901	3917	3934	rVV	6917214	11265935	4.92%	1.848%
23	14.623	4198	4209	4217	rBV	1454498	2324822	1.01%	0.381%
24	14.688	4217	4229	4254	rVV	19066501	31766097	13.86%	5.212%
25	14.878	4273	4288	4316	rVB	31077122	55942939	24.41%	9.178%
26	15.411	4431	4454	4466	rBV	6227086	9572065	4.18%	1.570%
27	15.601	4493	4513	4520	rBV	1916641	3387143	1.48%	0.556%
28	15.717	4536	4549	4572	rVV	5510152	9760438	4.26%	1.601%
29	15.861	4572	4594	4601	rVV	6517882	10813738	4.72%	1.774%
30	15.900	4601	4606	4620	rVB	3520427	4910259	2.14%	0.806%
31	16.086	4645	4664	4675	rBV	1682486	3893397	1.70%	0.639%
32	16.543	4783	4806	4825	rBV	17706564	29320732	12.80%	4.811%
33	16.836	4884	4897	4919	rVB	3349521	5337339	2.33%	0.876%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV081919\
Data File : VV012292.D
Acq On : 19 Aug 2019 22:14
Operator : SY/MD
Sample : K4373-11
Misc : 25mL/MSVOA V/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0AB2

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_V\METHOD\SOMVTR081919WMA.M
Title : TRACE VOA SOM01.0

Sum of corrected areas: 609515183

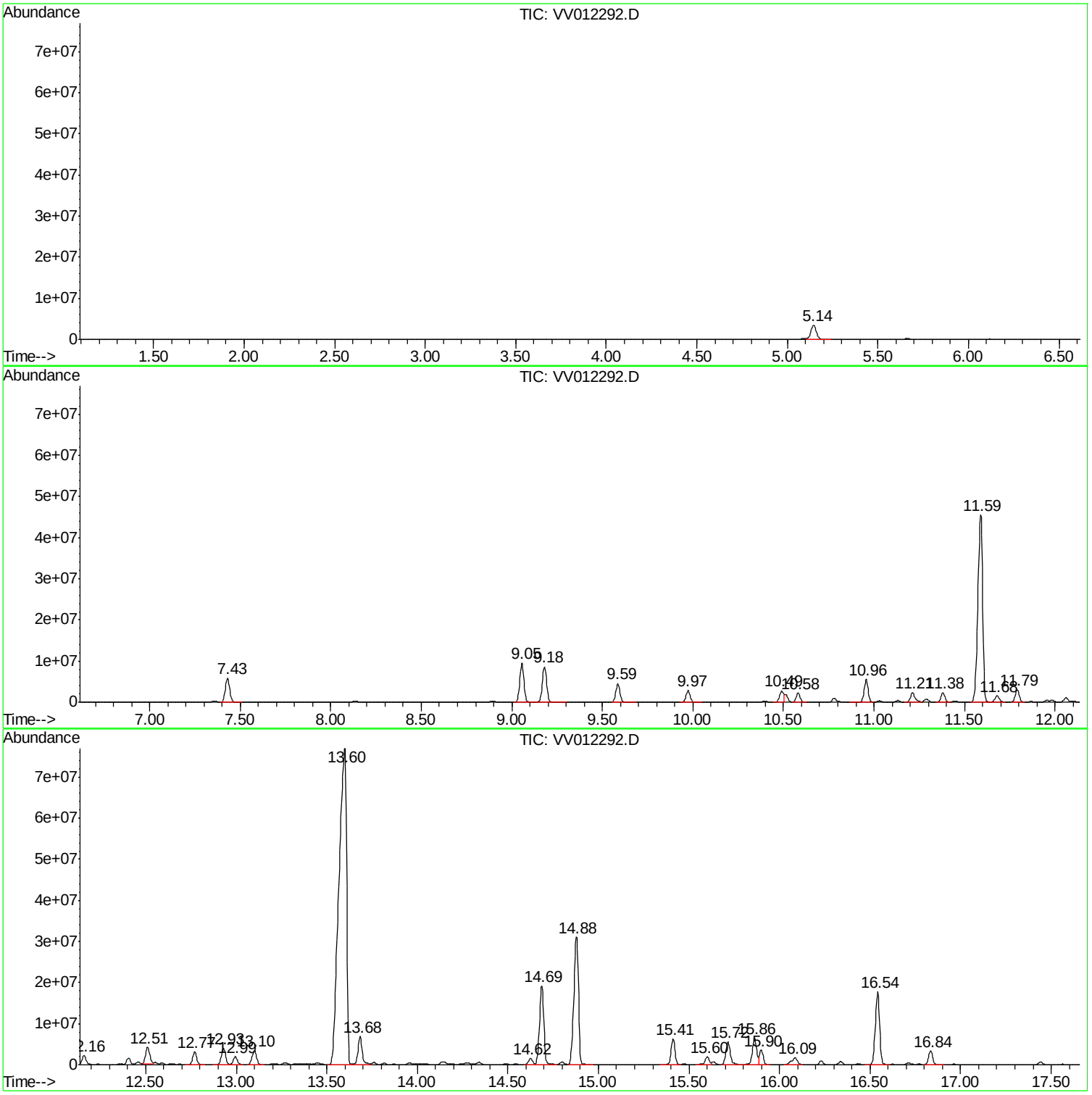
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV081919\
Data File : VV012292.D
Acq On : 19 Aug 2019 22:14
Operator : SY/MD
Sample : K4373-11
Misc : 25mL/MSVOA V/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0AB2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR081919WMA.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_V\DATA\VV081919\
Data File : VV012292.D
Acq On : 19 Aug 2019 22:14
Operator : SY/MD
Sample : K4373-11
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0AB2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR081919WMA.M
Quant Title : TRACE VOA SOM01.0

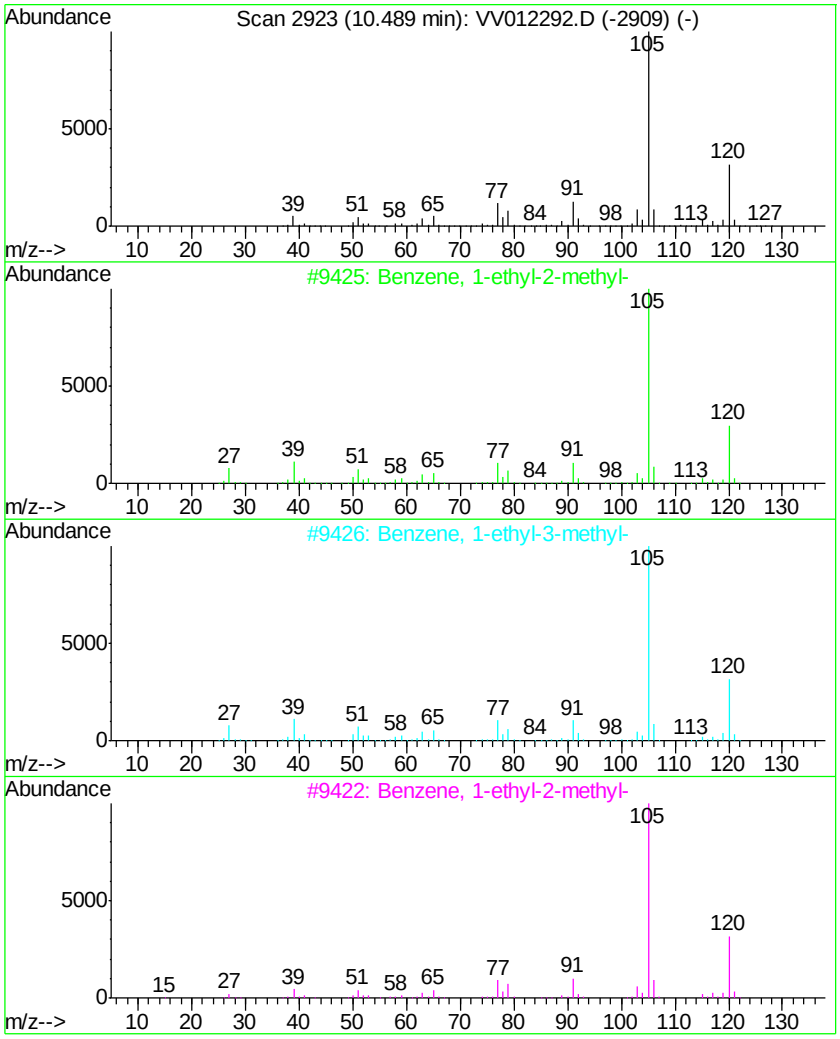
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

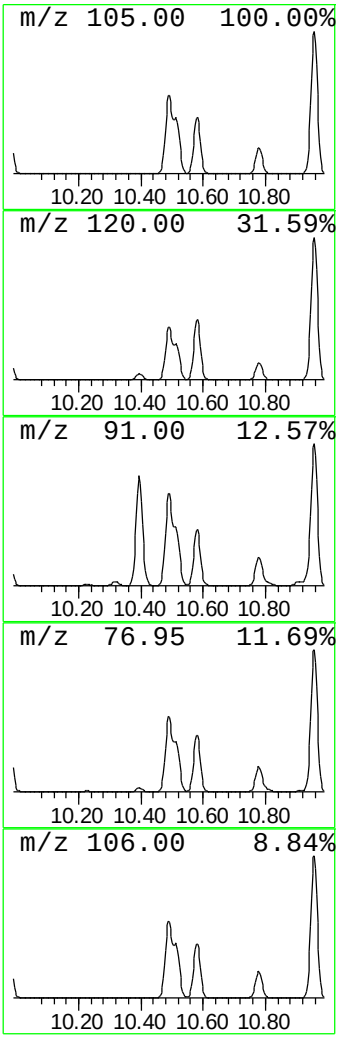
****

Peak Number 1 Benzene, 1-ethyl-2-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.49	5.23 ug/L	4335280	1,4-Dichlorobenzene-d4	11.29

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





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV081919\
Data File : VV012292.D
Acq On : 19 Aug 2019 22:14
Operator : SY/MD
Sample : K4373-11
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0AB2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR081919WMA.M
Quant Title : TRACE VOA SOM01.0

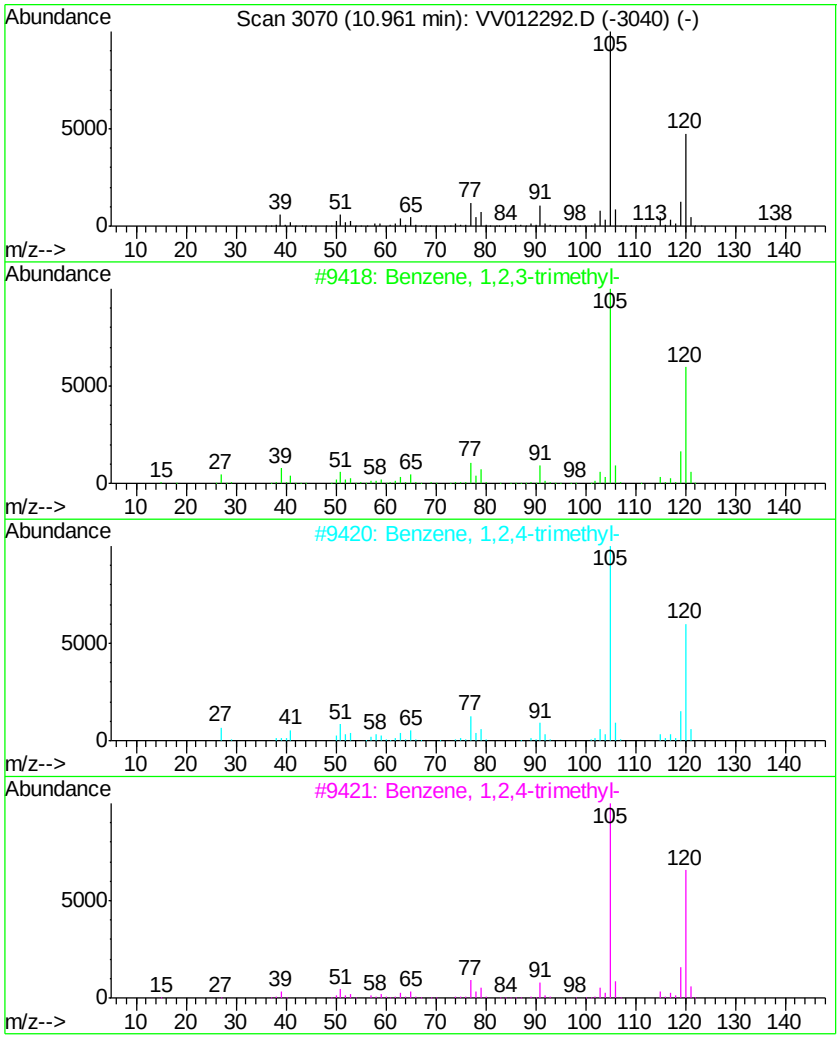
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

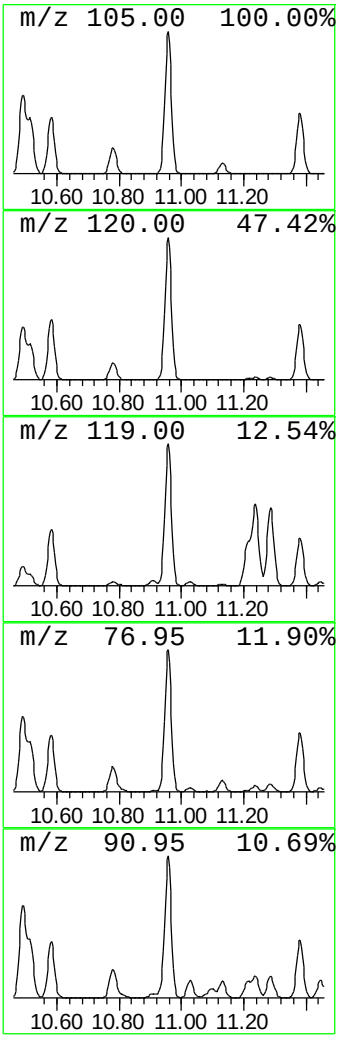
****

Peak Number 3 Benzene, 1,2,3-trimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.96	10.11 ug/L	8374090	1,4-Dichlorobenzene-d4	11.29

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





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV081919\
Data File : VV012292.D
Acq On : 19 Aug 2019 22:14
Operator : SY/MD
Sample : K4373-11
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0AB2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR081919WMA.M
Quant Title : TRACE VOA SOM01.0

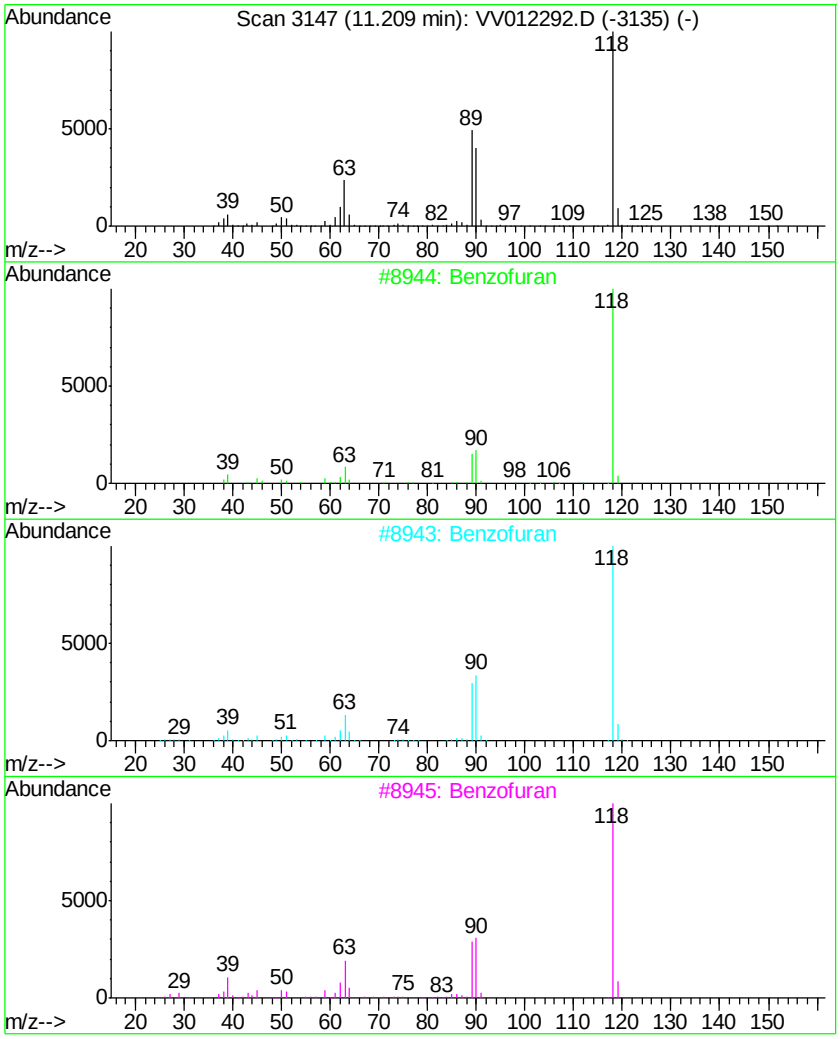
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

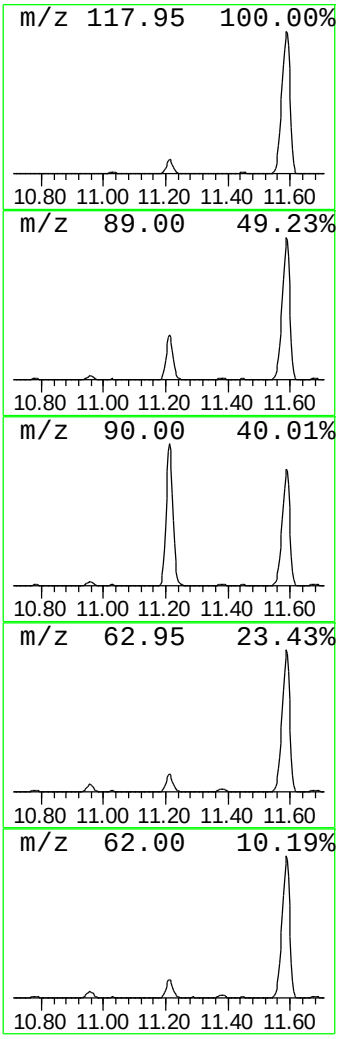
****

Peak Number 4 Benzofuran Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.21	5.00 ug/L	4140980	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzofuran	118	C8H6O	000271-89-6	90
2	Benzofuran	118	C8H6O	000271-89-6	83
3	Benzofuran	118	C8H6O	000271-89-6	81
4	1H-Pyrrolo[2,3-b]pyridine	118	C7H6N2	000271-63-6	42
5	3-Hydroxyphenylacetylene	118	C8H6O	010401-11-3	40





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV081919\
Data File : VV012292.D
Acq On : 19 Aug 2019 22:14
Operator : SY/MD
Sample : K4373-11
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0AB2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR081919WMA.M
Quant Title : TRACE VOA SOM01.0

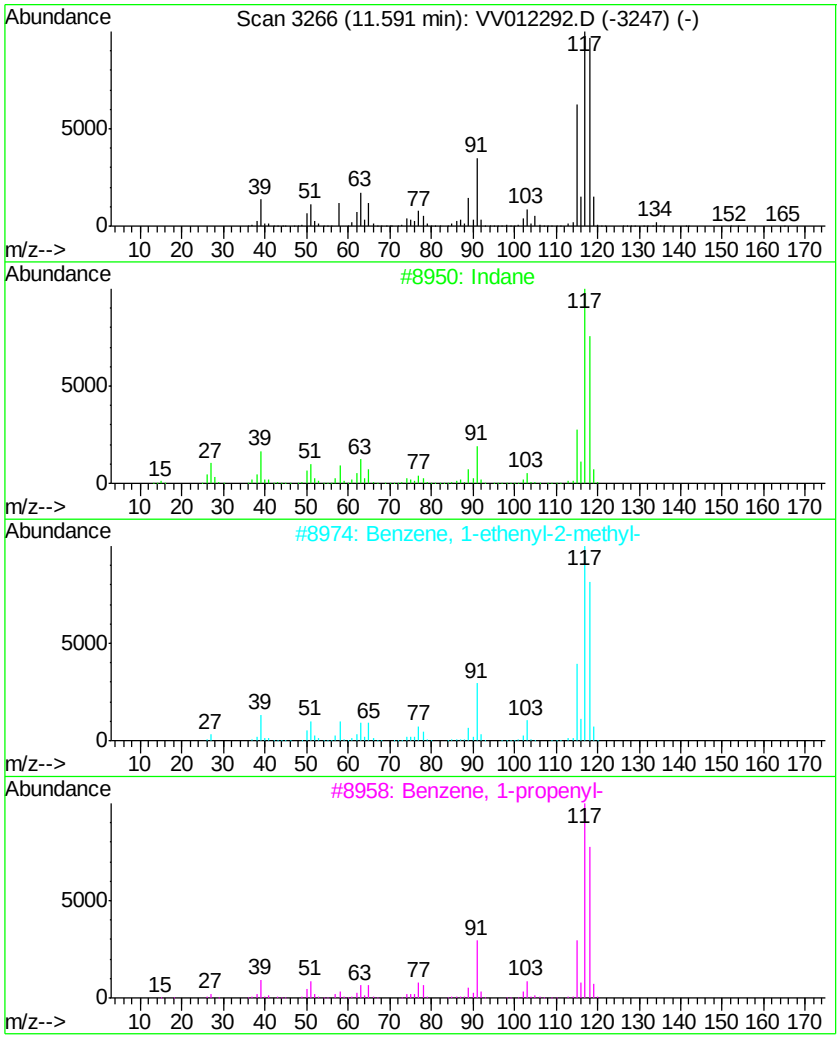
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

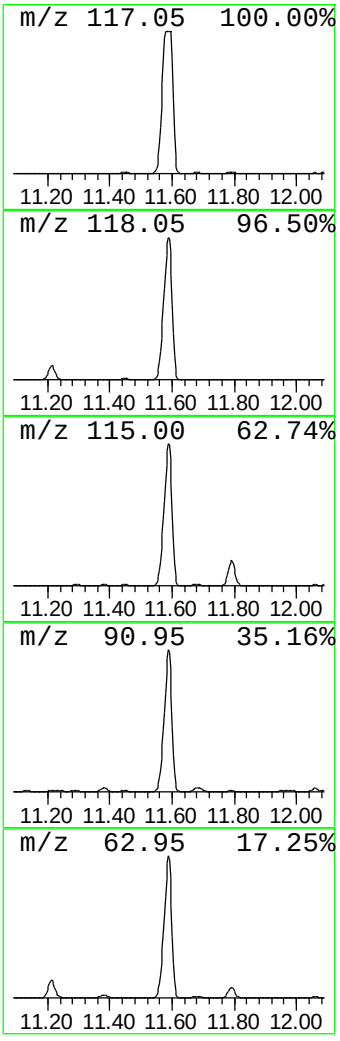
****

Peak Number 6 Indane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.59	100.49 ug/L	83224600	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	96
2	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	90
3	Benzene, 1-propenyl-	118	C9H10	000637-50-3	81
4	Benzene, 2-propenyl-	118	C9H10	000300-57-2	81
5	Benzene, 1-propenyl-	118	C9H10	000637-50-3	81





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV081919\
Data File : VV012292.D
Acq On : 19 Aug 2019 22:14
Operator : SY/MD
Sample : K4373-11
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0AB2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR081919WMA.M
Quant Title : TRACE VOA SOM01.0

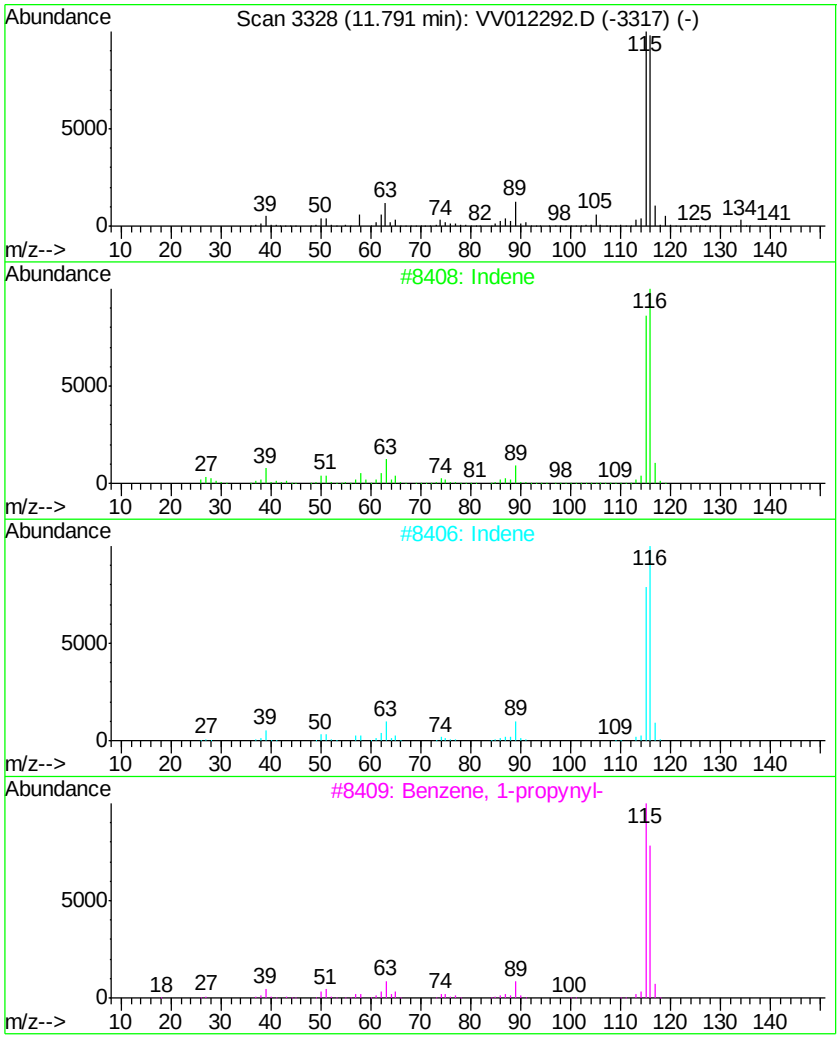
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

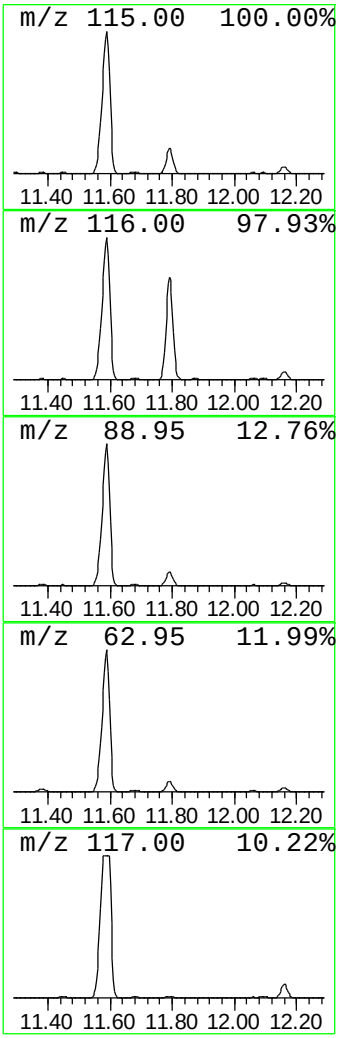
****

Peak Number 7 Indene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.79	5.52 ug/L	4569730	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	97
2	Indene	116	C9H8	000095-13-6	97
3	Benzene, 1-propynyl-	116	C9H8	000673-32-5	91
4	3-Methylphenylacetylene	116	C9H8	000766-82-5	91
5	Benzene, 1-ethynyl-4-methyl-	116	C9H8	000766-97-2	90





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV081919\
Data File : VV012292.D
Acq On : 19 Aug 2019 22:14
Operator : SY/MD
Sample : K4373-11
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0AB2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR081919WMA.M
Quant Title : TRACE VOA SOM01.0

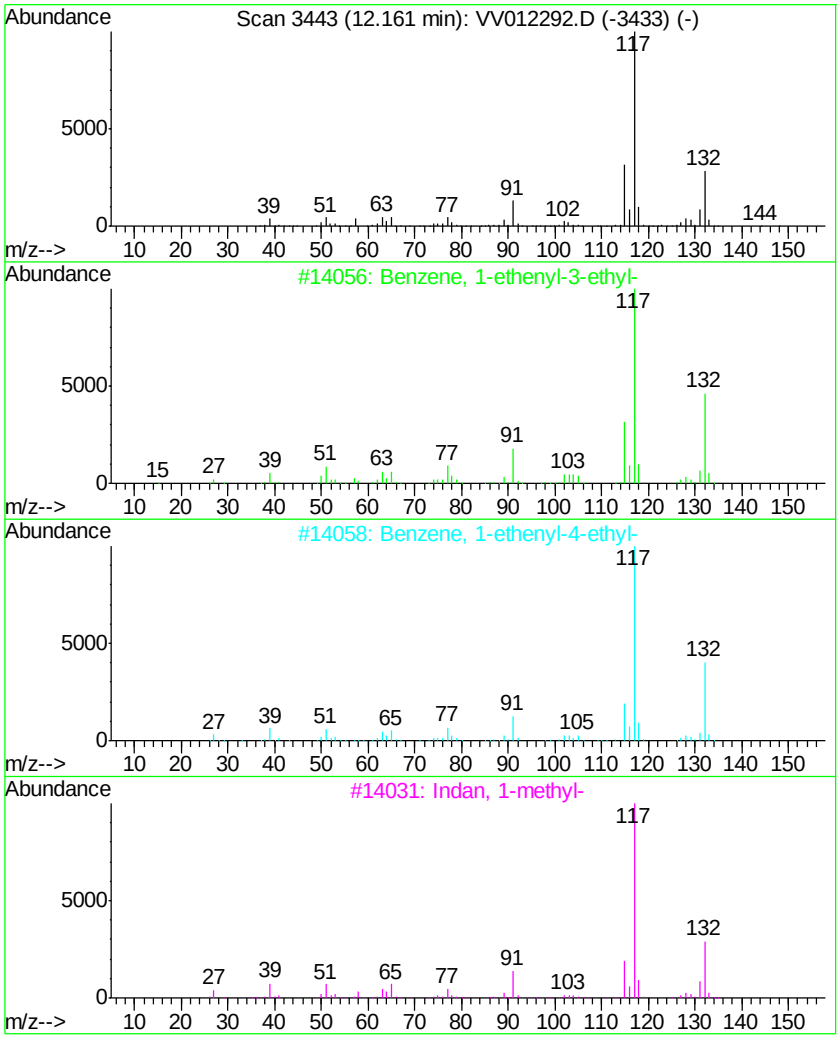
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

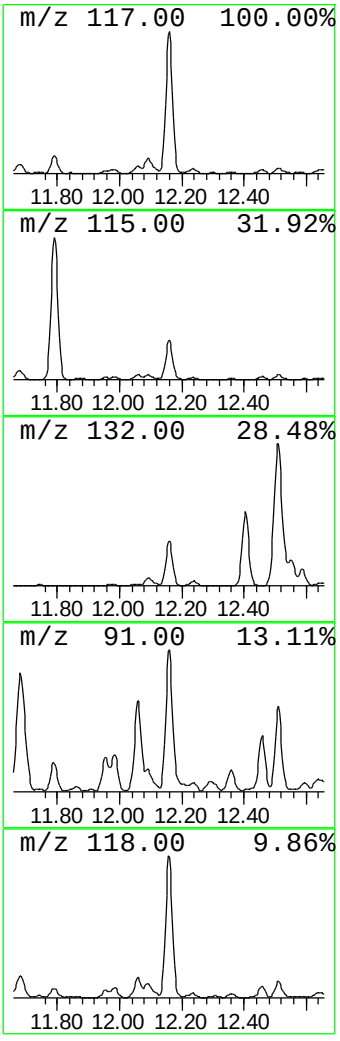
****

Peak Number 8 Benzene, 1-ethenyl-3-ethyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.16	4.13 ug/L	3421430	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	91
2	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	90
3	Indan, 1-methyl-	132	C10H12	000767-58-8	90
4	Benzene, (2-methylcyclopropyl)-	132	C10H12	1000327-39-0	90
5	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	90





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV081919\
Data File : VV012292.D
Acq On : 19 Aug 2019 22:14
Operator : SY/MD
Sample : K4373-11
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0AB2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR081919WMA.M
Quant Title : TRACE VOA SOM01.0

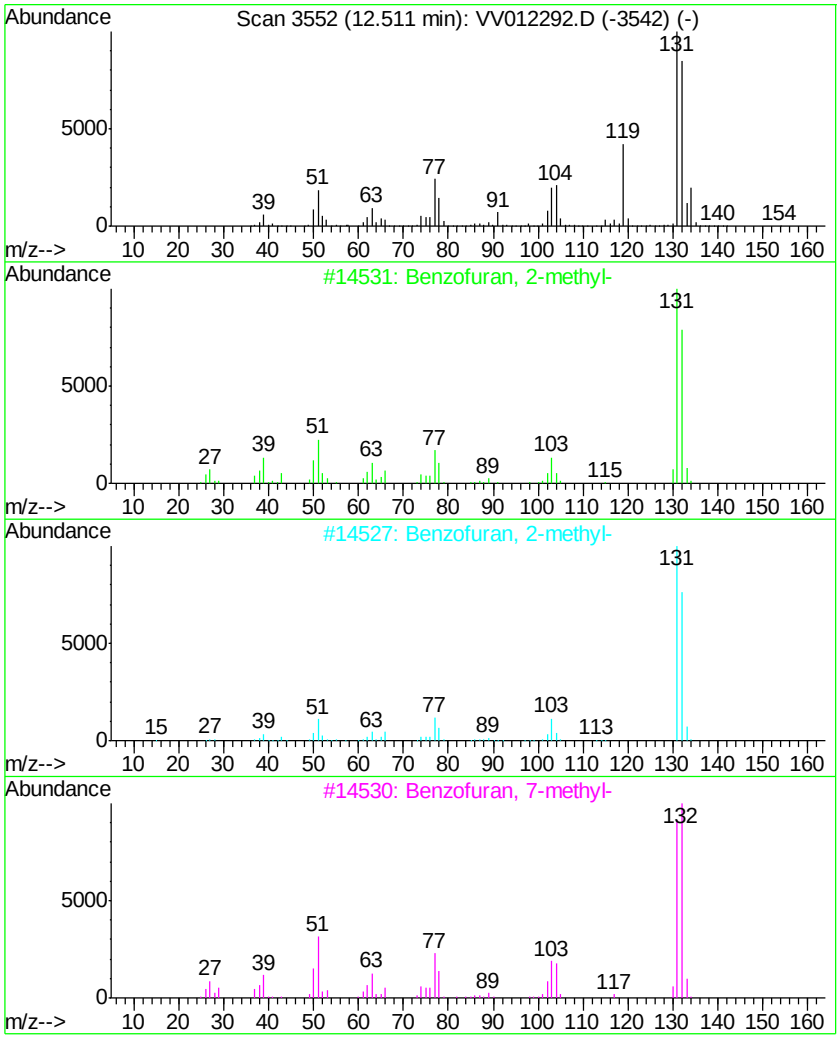
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

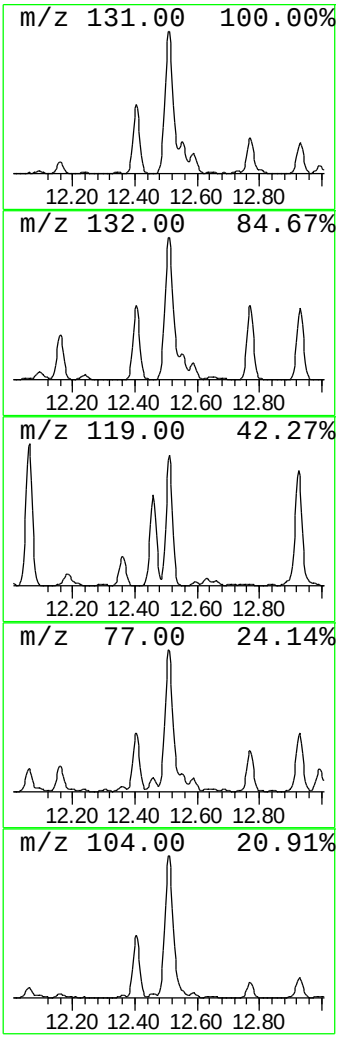
****

Peak Number 9 Benzofuran, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.51	8.20 ug/L	6791630	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	86
2	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	86
3	Benzofuran, 7-methyl-	132	C9H8O	017059-52-8	78
4	3-Phenyl-2-propyn-1-ol	132	C9H8O	001504-58-1	70
5	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	70





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV081919\
Data File : VV012292.D
Acq On : 19 Aug 2019 22:14
Operator : SY/MD
Sample : K4373-11
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0AB2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR081919WMA.M
Quant Title : TRACE VOA SOM01.0

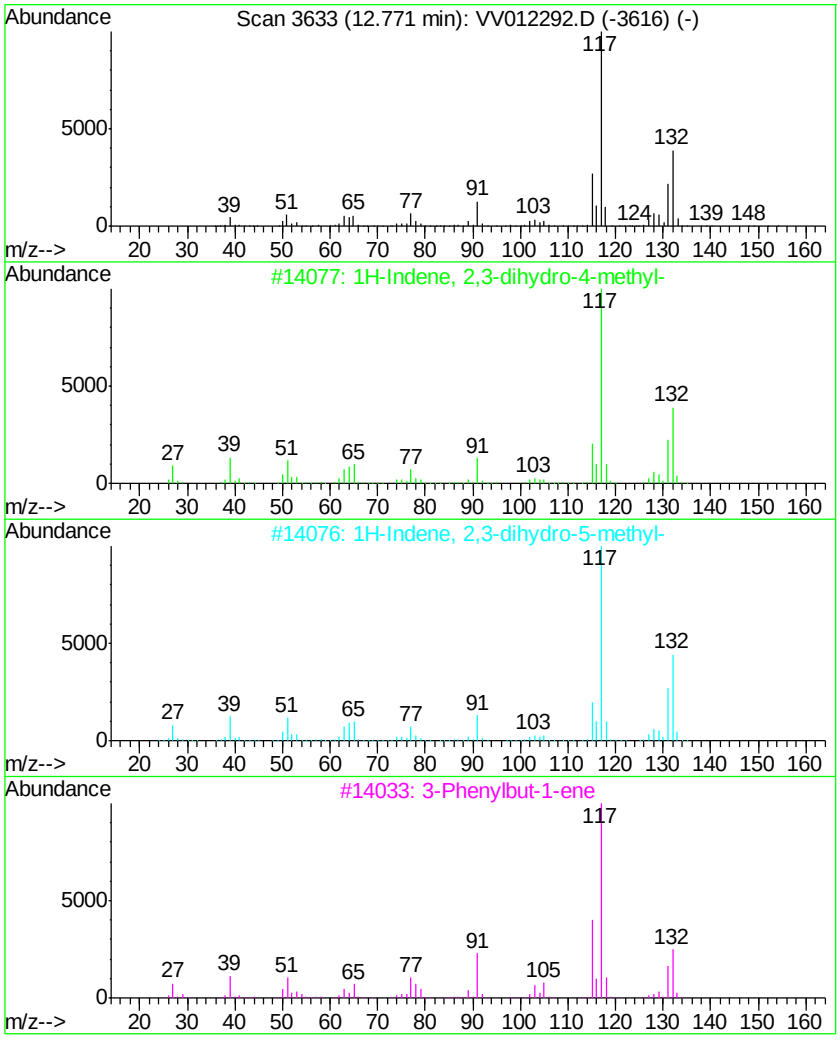
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

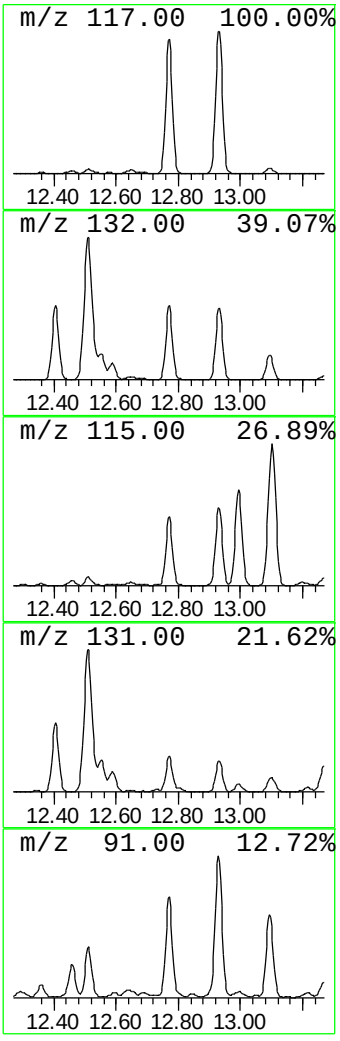
****

Peak Number 10 1H-Indene, 2,3-dihydro-4-me... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.77	5.59 ug/L	4632200	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	95
2	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	93
3	3-Phenylbut-1-ene	132	C10H12	000934-10-1	91
4	Benzene, 2-butenyl-	132	C10H12	001560-06-1	87
5	1H-Indene, 2,3-dihydro-2-methyl-	132	C10H12	000824-63-5	87





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV081919\
Data File : VV012292.D
Acq On : 19 Aug 2019 22:14
Operator : SY/MD
Sample : K4373-11
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0AB2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR081919WMA.M
Quant Title : TRACE VOA SOM01.0

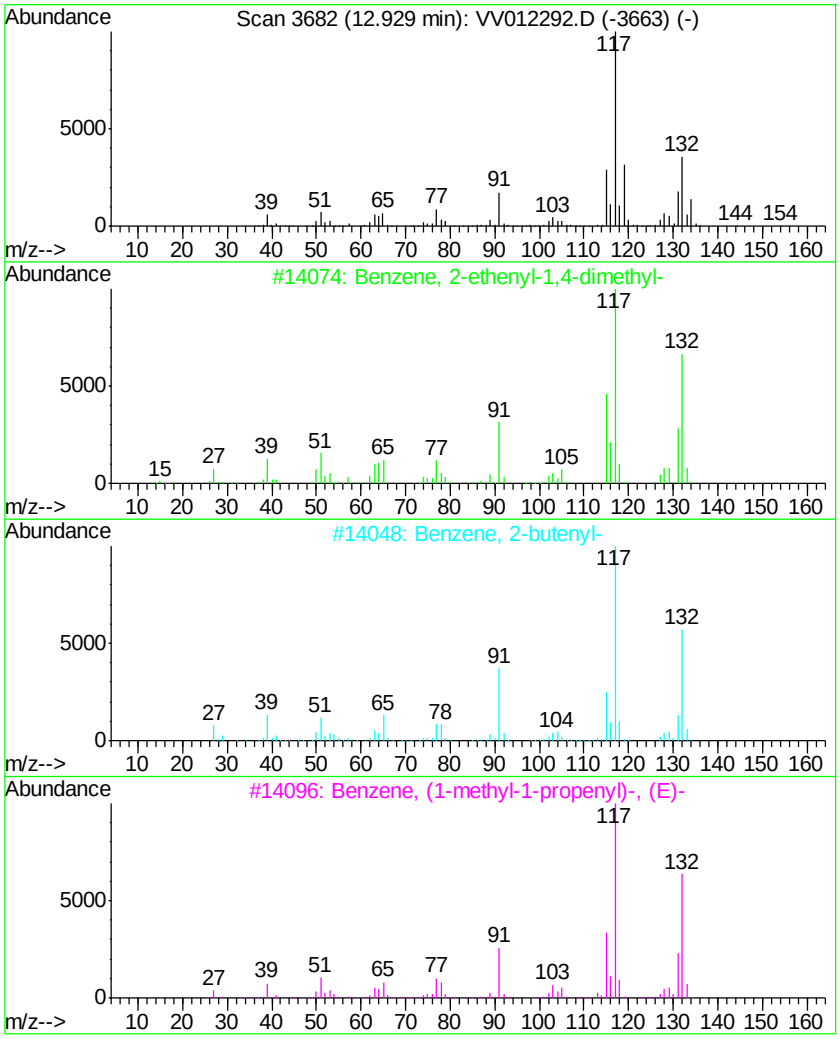
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

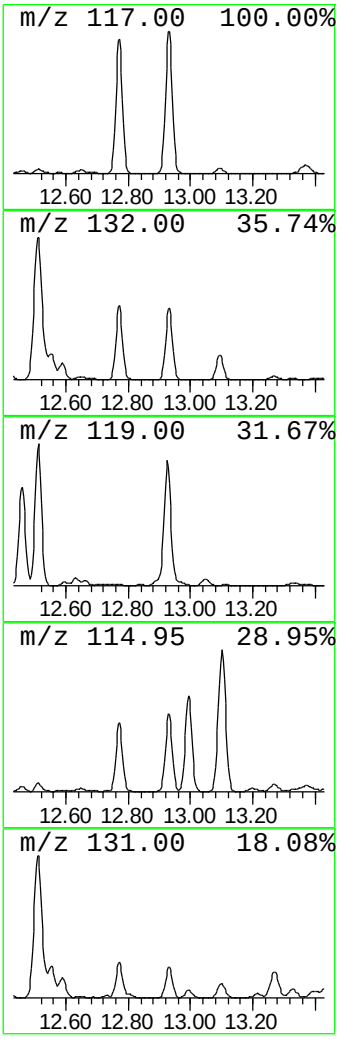
****

Peak Number 11 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.93	7.62 ug/L	6309490	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	95
2	Benzene, 2-butenyl-	132	C10H12	001560-06-1	87
3	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	87
4	3-Phenylbut-1-ene	132	C10H12	000934-10-1	87
5	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	76





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV081919\
Data File : VV012292.D
Acq On : 19 Aug 2019 22:14
Operator : SY/MD
Sample : K4373-11
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0AB2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR081919WMA.M
Quant Title : TRACE VOA SOM01.0

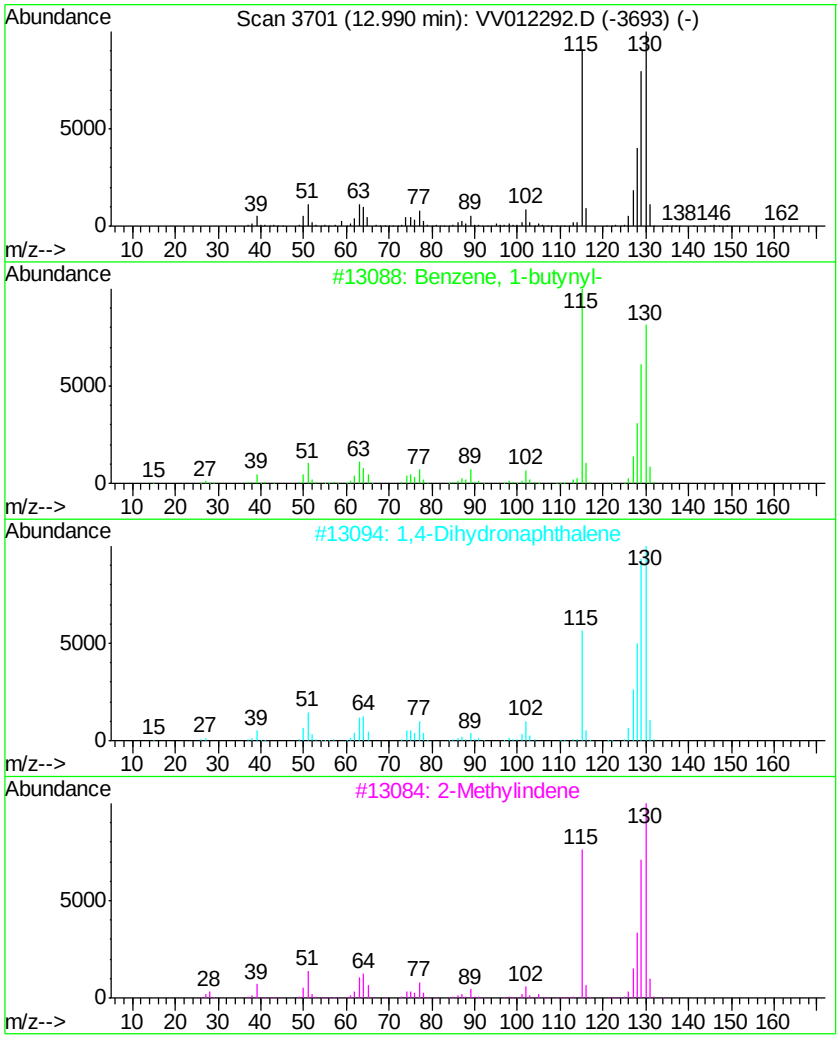
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

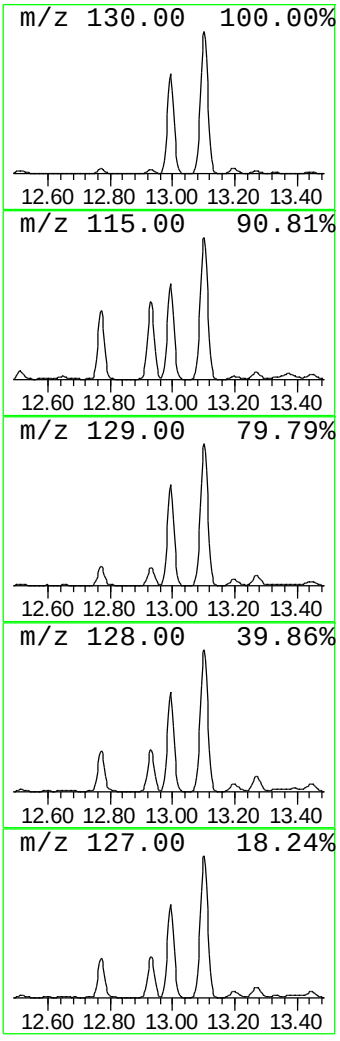
****

Peak Number 12 Benzene, 1-butynyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.99	3.78 ug/L	3126910	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-butynyl-	130	C10H10	000622-76-4	95
2	1,4-Dihydronaphthalene	130	C10H10	000612-17-9	95
3	2-Methylindene	130	C10H10	002177-47-1	94
4	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	94
5	Cycloprop[a]indene, 1,1a,6,6a-te...	130	C10H10	015677-15-3	93





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Data File : VV012292.D
Acq On : 19 Aug 2019 22:14
Operator : SY/MD
Sample : K4373-11
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0AB2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR081919WMA.M
Quant Title : TRACE VOA SOM01.0

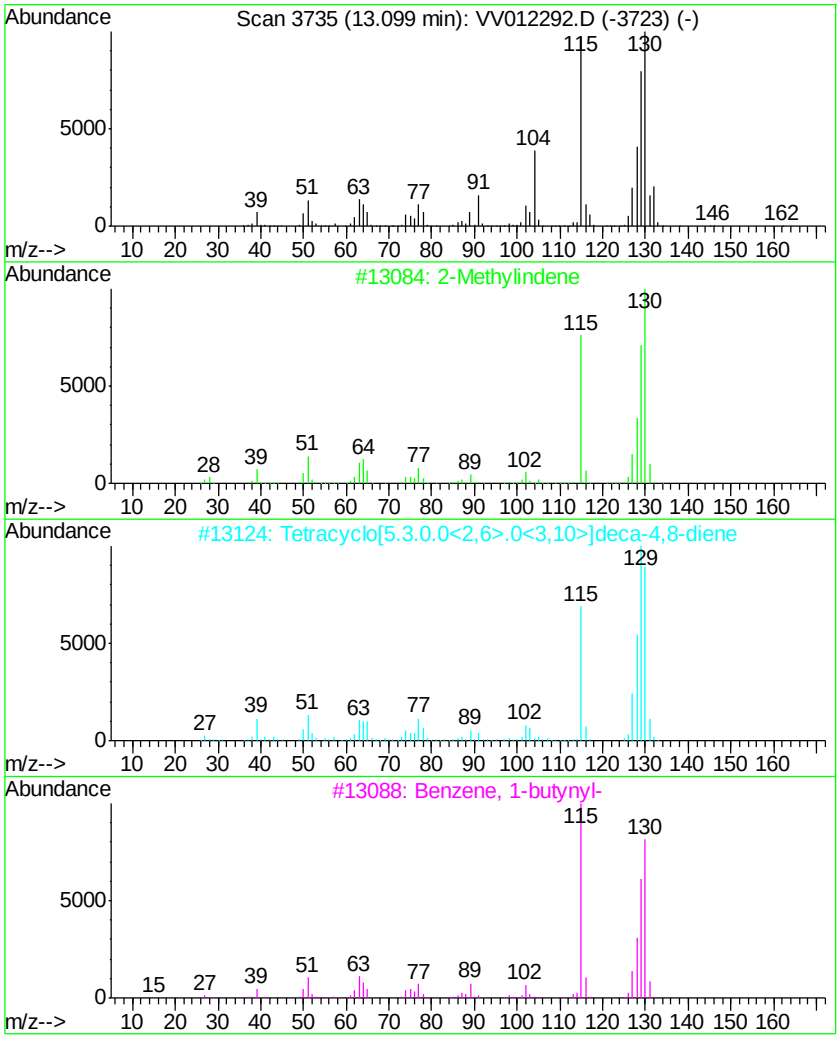
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

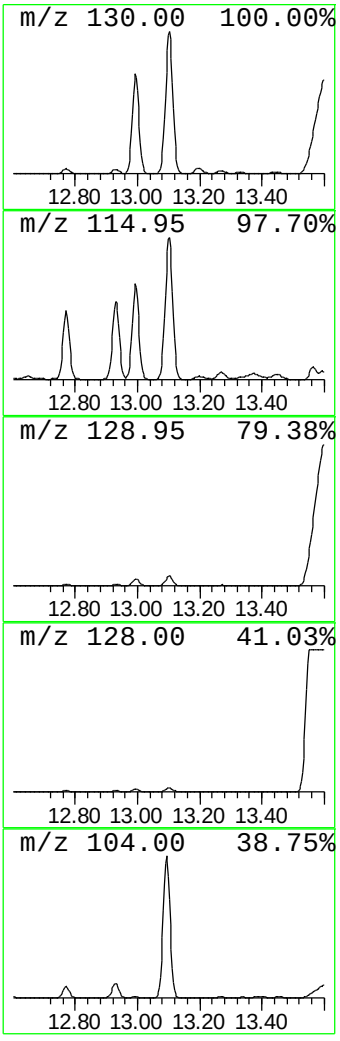
****

Peak Number 13 2-Methylindene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.10	7.03 ug/L	5819240	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methylindene	130	C10H10	002177-47-1	95
2	Tetracyclo[5.3.0.0<2,6>.0<3,10>]...	130	C10H10	034324-40-8	95
3	Benzene, 1-butynyl-	130	C10H10	000622-76-4	94
4	Benzene,1-methyl-1,2-propadienyl-	130	C10H10	022433-39-2	93
5	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	93





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Data File : VV012292.D
Acq On : 19 Aug 2019 22:14
Operator : SY/MD
Sample : K4373-11
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0AB2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR081919WMA.M
Quant Title : TRACE VOA SOM01.0

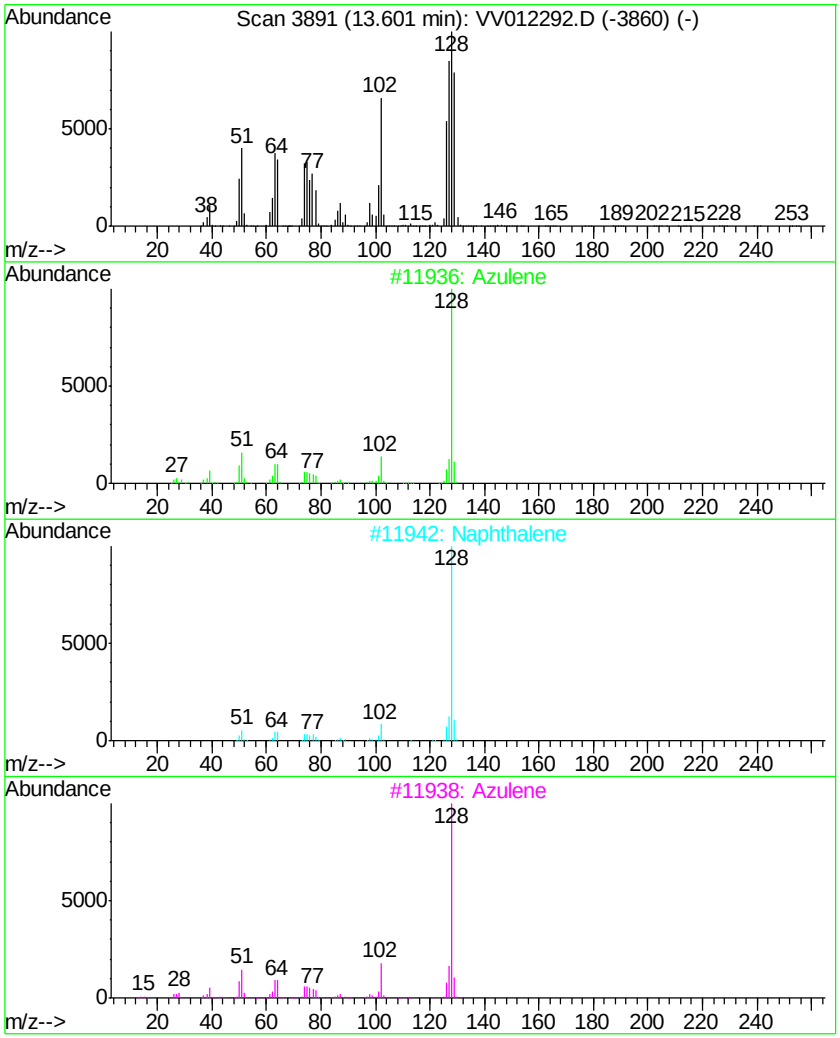
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

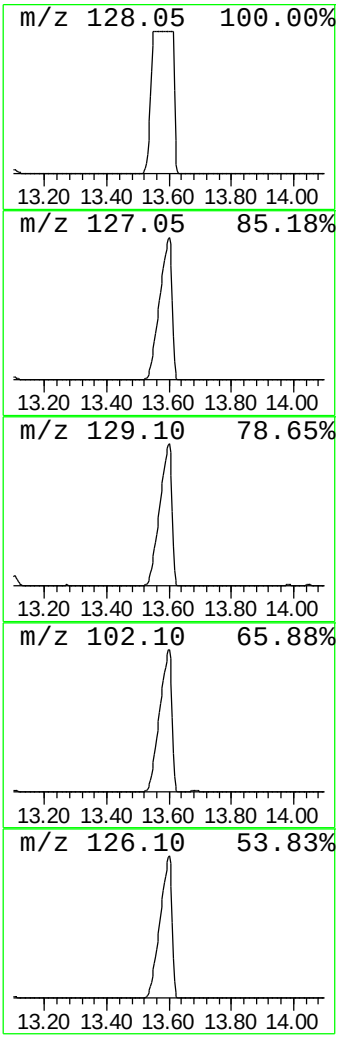
****

Peak Number 14 Azulene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.60	276.67 ug/L	229138000	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Azulene	128	C10H8	000275-51-4	92
2	Naphthalene	128	C10H8	000091-20-3	92
3	Azulene	128	C10H8	000275-51-4	91
4	Naphthalene	128	C10H8	000091-20-3	84
5	4-Phenylbut-3-ene-1-yne	128	C10H8	1000222-12-0	55





Library Search Compound Report

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Data File : VV012292.D
Acq On : 19 Aug 2019 22:14
Operator : SY/MD
Sample : K4373-11
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0AB2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR081919WMA.M
Quant Title : TRACE VOA SOM01.0

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

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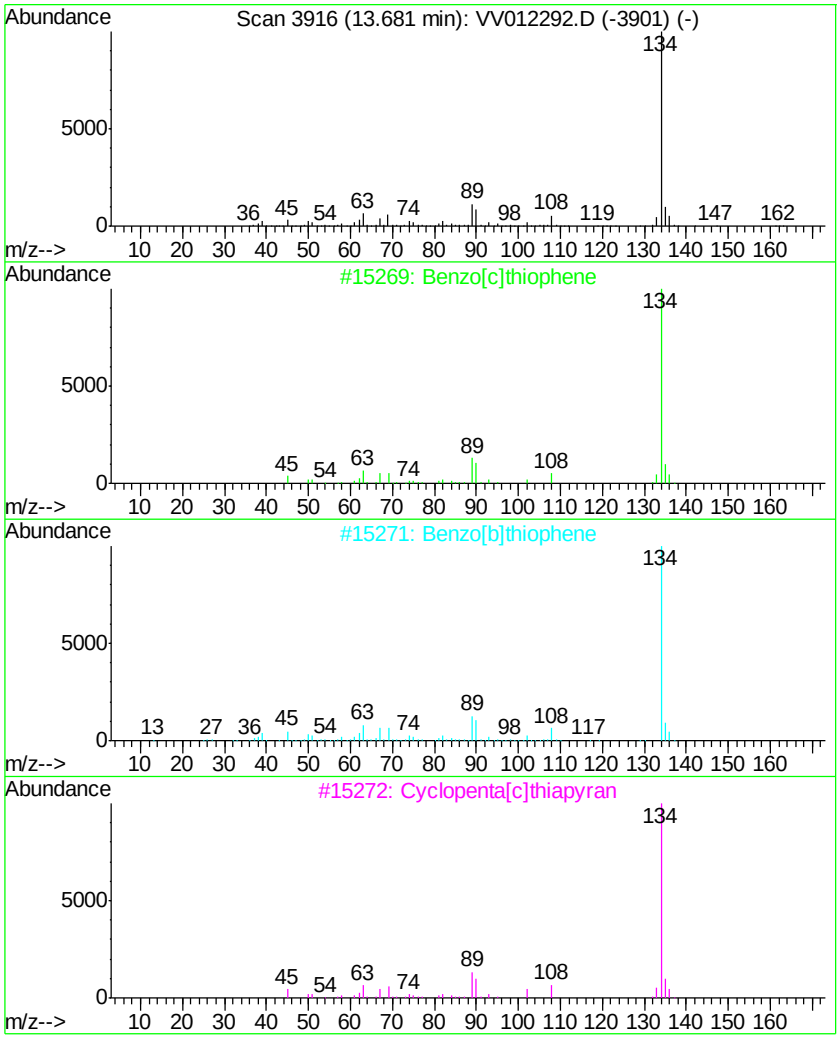
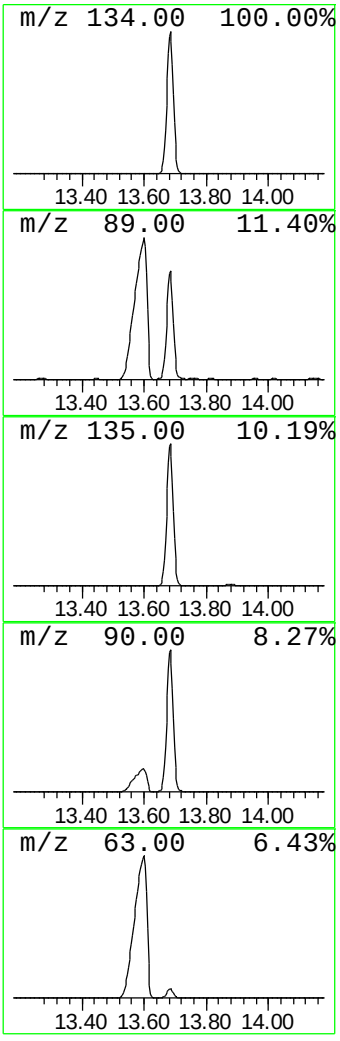
Peak Number 15 Benzo[c]thiophene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.68	13.60 ug/L	11265900	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[c]thiophene	134	C8H6S	000270-82-6	97
2	Benzo[b]thiophene	134	C8H6S	000095-15-8	94
3	Cyclopenta[c]thiapyran	134	C8H6S	000270-63-3	94
4	Benzo[b]thiophene	134	C8H6S	000095-15-8	94
5	Benzo[b]thiophene	134	C8H6S	000095-15-8	91





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV081919\
Data File : VV012292.D
Acq On : 19 Aug 2019 22:14
Operator : SY/MD
Sample : K4373-11
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0AB2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR081919WMA.M
Quant Title : TRACE VOA SOM01.0

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

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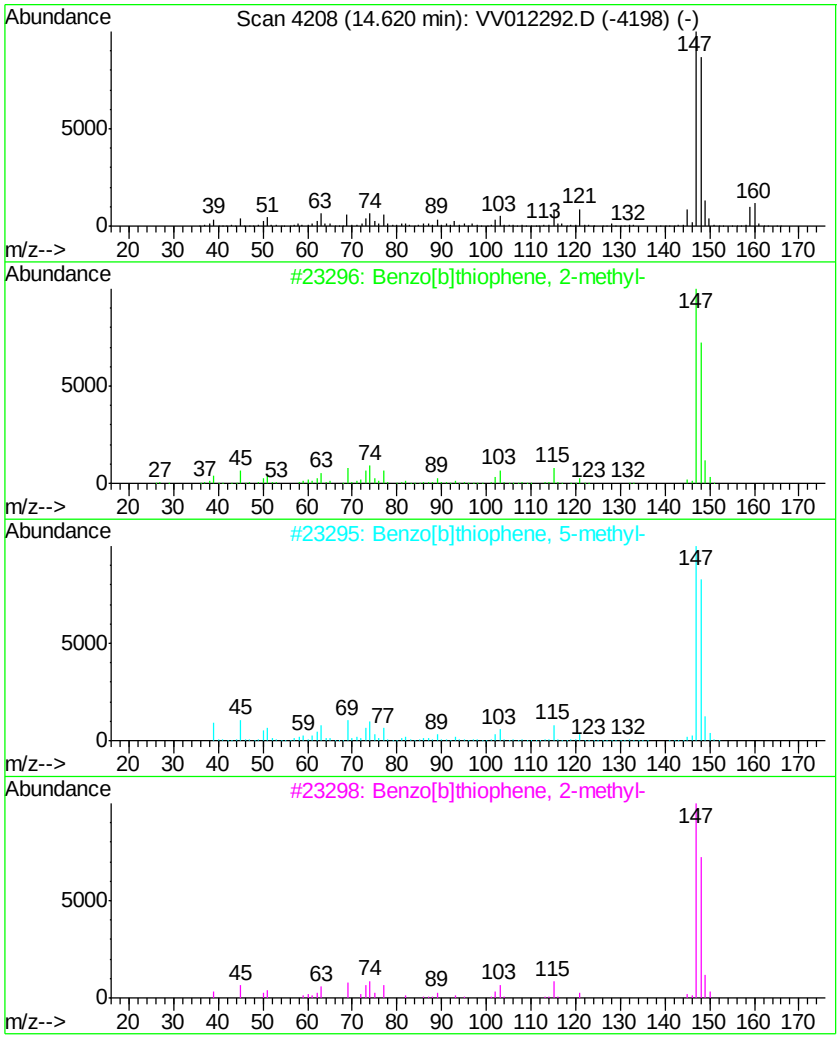
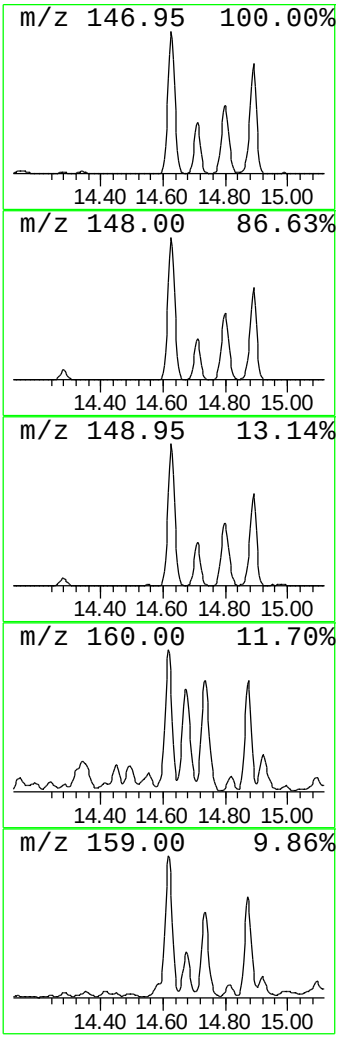
Peak Number 16 Benzo[b]thiophene, 2-methyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.62	2.81 ug/L	2324820	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]thiophene, 2-methyl-	148	C9H8S	001195-14-8	90
2	Benzo[b]thiophene, 5-methyl-	148	C9H8S	014315-14-1	90
3	Benzo[b]thiophene, 2-methyl-	148	C9H8S	001195-14-8	90
4	Benzo[b]thiophene, 4-methyl-	148	C9H8S	014315-11-8	87
5	3-Methylbenzothiophene	148	C9H8S	001455-18-1	87





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV081919\
Data File : VV012292.D
Acq On : 19 Aug 2019 22:14
Operator : SY/MD
Sample : K4373-11
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0AB2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR081919WMA.M
Quant Title : TRACE VOA SOM01.0

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

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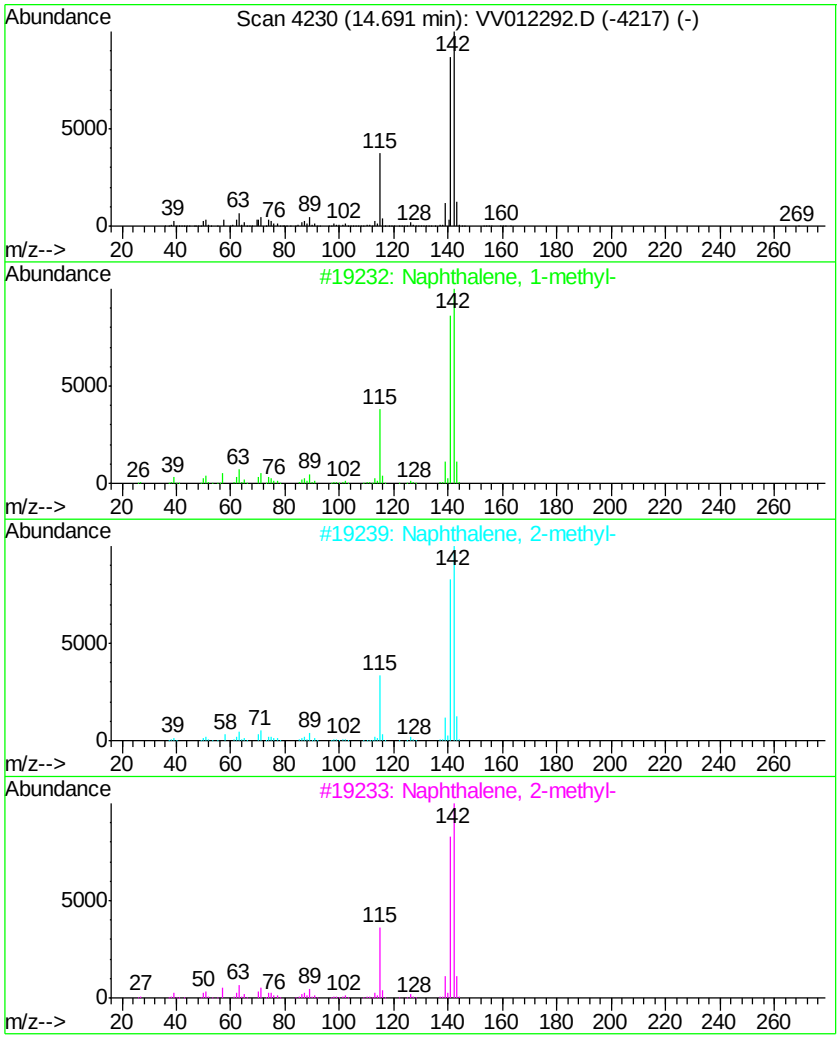
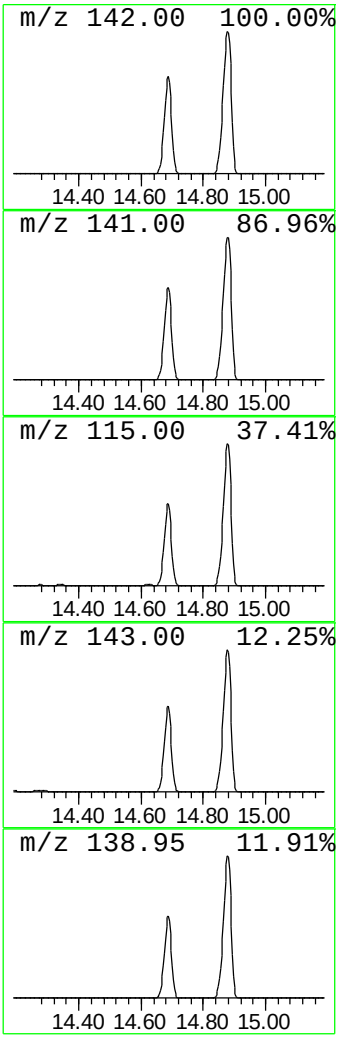
Peak Number 17 Naphthalene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.69	38.36 ug/L	31766100	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
3	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
4	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94
5	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	94





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV081919\
Data File : VV012292.D
Acq On : 19 Aug 2019 22:14
Operator : SY/MD
Sample : K4373-11
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0AB2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR081919WMA.M
Quant Title : TRACE VOA SOM01.0

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

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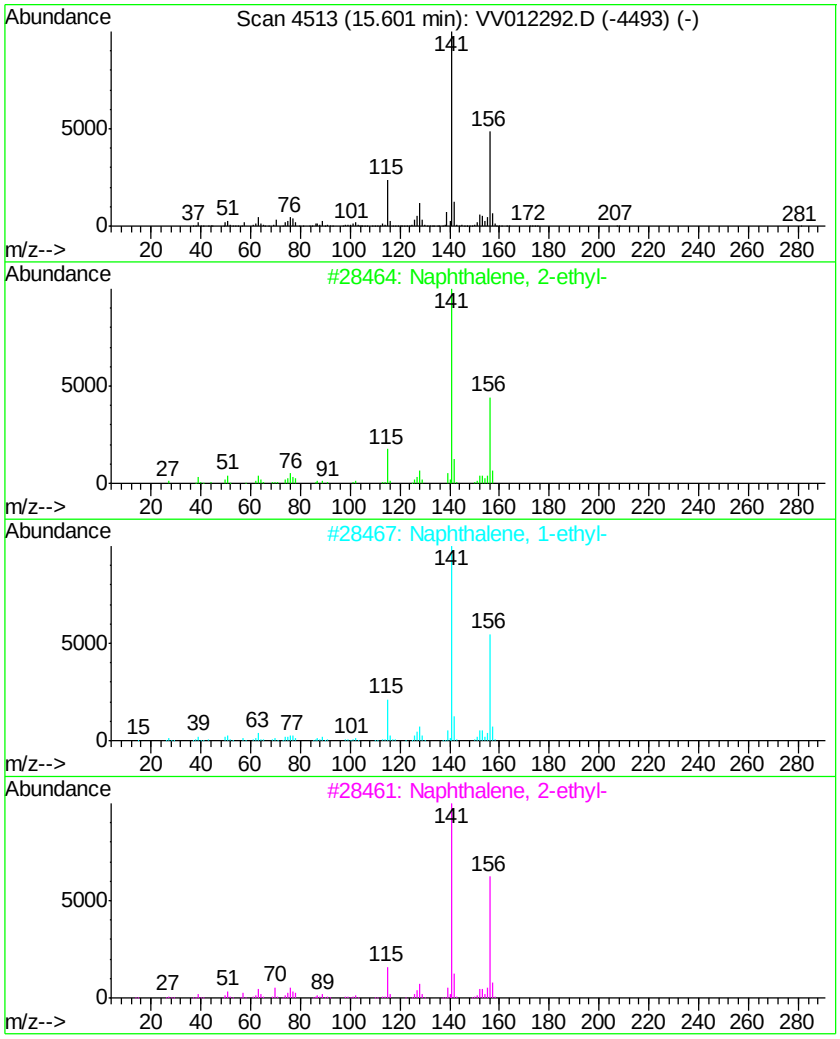
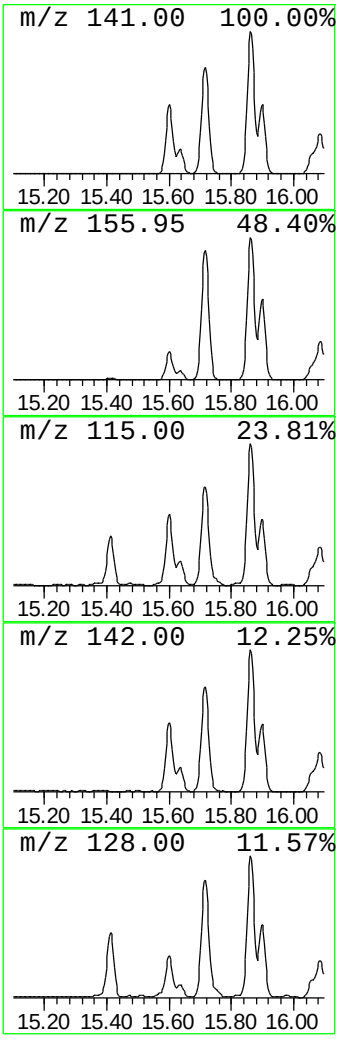
Peak Number 20 Naphthalene, 2-ethyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.60	4.09 ug/L	3387140	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	96
2	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	96
3	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	95
4	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	94
5	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	94





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV081919\
Data File : VV012292.D
Acq On : 19 Aug 2019 22:14
Operator : SY/MD
Sample : K4373-11
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0AB2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR081919WMA.M
Quant Title : TRACE VOA SOM01.0

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

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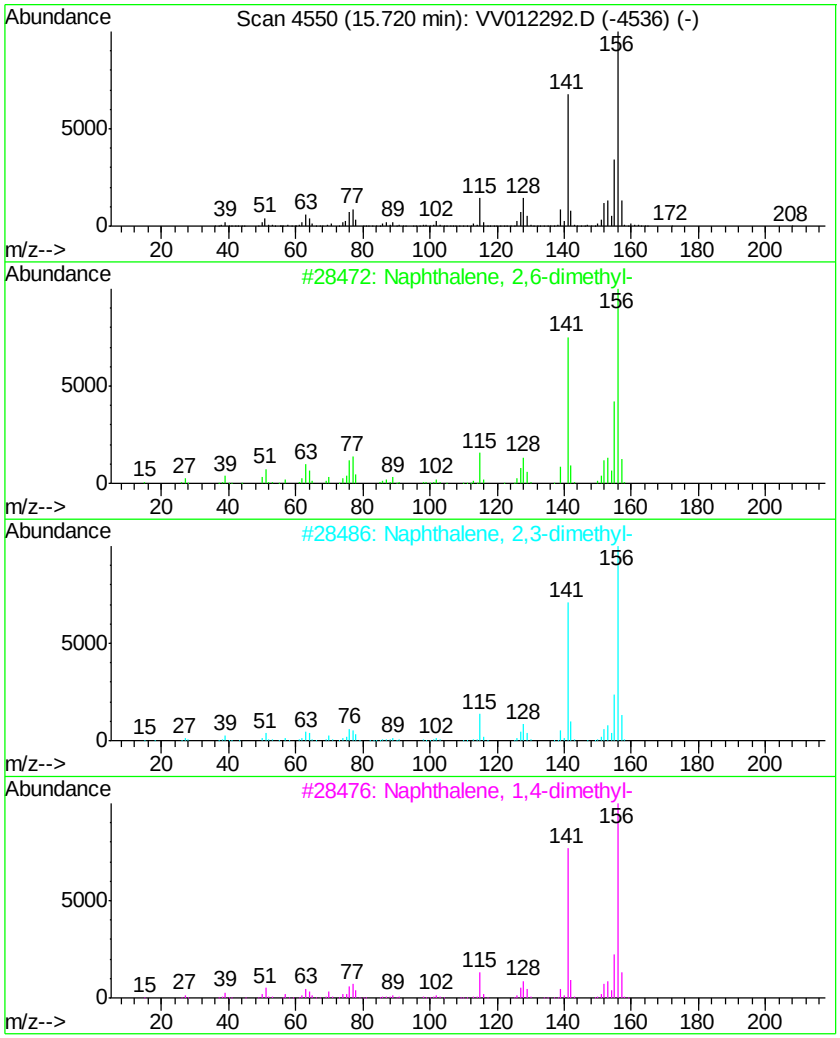
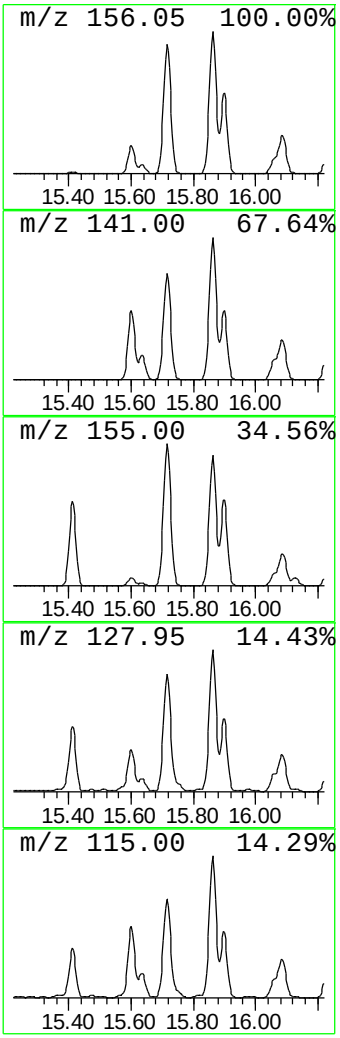
Peak Number 21 Naphthalene, 2,6-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.72	11.79 ug/L	9760440	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
3	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97





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Data File : VV012292.D
Acq On : 19 Aug 2019 22:14
Operator : SY/MD
Sample : K4373-11
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0AB2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR081919WMA.M
Quant Title : TRACE VOA SOM01.0

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

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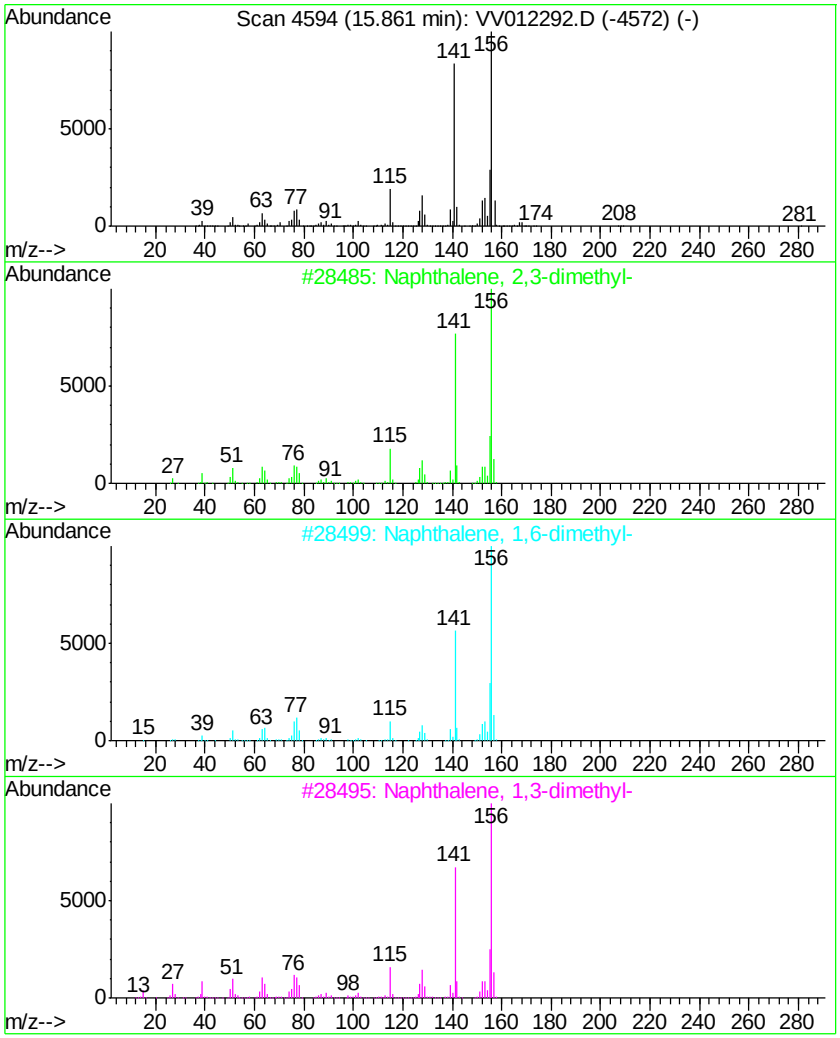
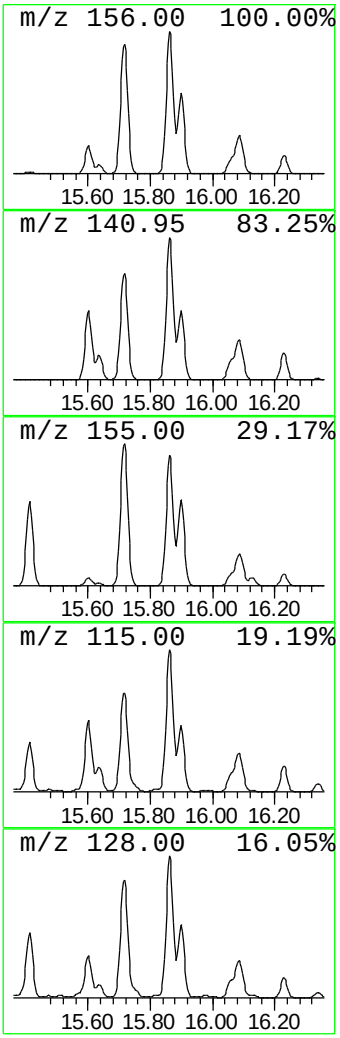
Peak Number 22 Naphthalene, 2,3-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.86	13.06 ug/L	10813700	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
3	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV081919\
Data File : VV012292.D
Acq On : 19 Aug 2019 22:14
Operator : SY/MD
Sample : K4373-11
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0AB2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR081919WMA.M
Quant Title : TRACE VOA SOM01.0

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

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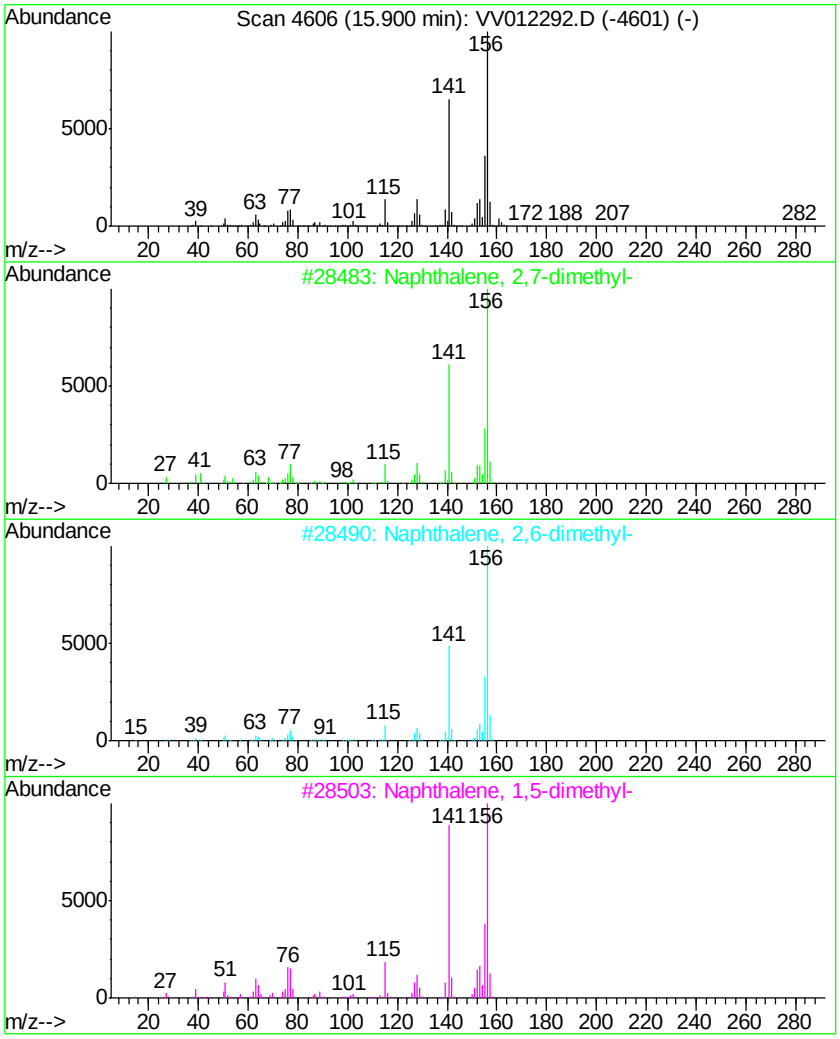
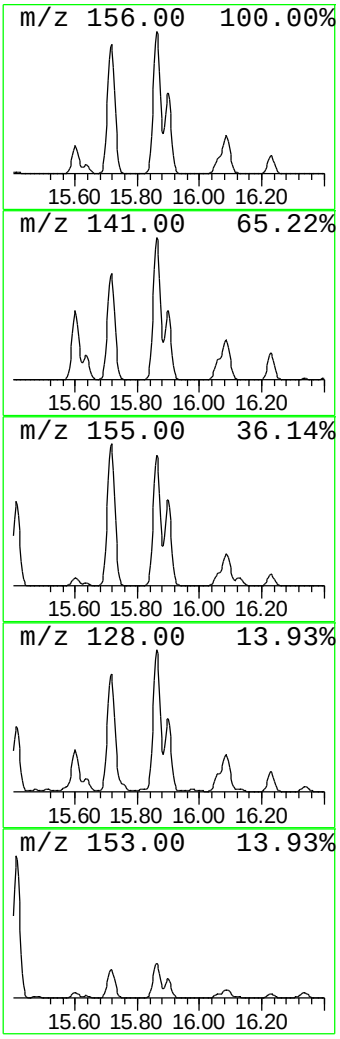
Peak Number 23 Naphthalene, 2,7-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.90	5.93 ug/L	4910260	1,4-Dichlorobenzene-d4	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
3	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	96
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV081919\
Data File : VV012292.D
Acq On : 19 Aug 2019 22:14
Operator : SY/MD
Sample : K4373-11
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : C0AB2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR081919WMA.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-...	10.49	5.2	ug/L	4335280	3	11.29	4140980	5.0
Benzene, 1,2,3-tr...	10.96	10.1	ug/L	8374090	3	11.29	4140980	5.0
Benzofuran	11.21	5.0	ug/L	4140980	3	11.29	4140980	5.0
Indane	11.59	100.5	ug/L	83224600	3	11.29	4140980	5.0
Indene	11.79	5.5	ug/L	4569730	3	11.29	4140980	5.0
Benzene, 1-etheny...	12.16	4.1	ug/L	3421430	3	11.29	4140980	5.0
Benzofuran, 2-met...	12.51	8.2	ug/L	6791630	3	11.29	4140980	5.0
1H-Indene, 2,3-di...	12.77	5.6	ug/L	4632200	3	11.29	4140980	5.0
Benzene, 2-etheny...	12.93	7.6	ug/L	6309490	3	11.29	4140980	5.0
Benzene, 1-butynyl-	12.99	3.8	ug/L	3126910	3	11.29	4140980	5.0
2-Methylindene	13.10	7.0	ug/L	5819240	3	11.29	4140980	5.0
Azulene	13.60	276.7	ug/L	229138000	3	11.29	4140980	5.0
Benzo[c]thiophene	13.68	13.6	ug/L	11265900	3	11.29	4140980	5.0
Benzo[b]thiophene...	14.62	2.8	ug/L	2324820	3	11.29	4140980	5.0
Naphthalene, 1-me...	14.69	38.4	ug/L	31766100	3	11.29	4140980	5.0
Naphthalene, 2-et...	15.60	4.1	ug/L	3387140	3	11.29	4140980	5.0
Naphthalene, 2,6-...	15.72	11.8	ug/L	9760440	3	11.29	4140980	5.0
Naphthalene, 2,3-...	15.86	13.1	ug/L	10813700	3	11.29	4140980	5.0
Naphthalene, 2,7-...	15.90	5.9	ug/L	4910260	3	11.29	4140980	5.0