

Data Path : Z:\voasrv\HPCHEM1\MSVOA_R\Data\VR110718\
 Data File : VR026206.D
 Acq On : 7 Nov 2018 17:02
 Operator : SY/MD
 Sample : J5801-06DL 5X
 Misc : 25mL/MSVOA_R/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 F9D05DL

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR101518WMA.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	2.153	66	78	92	rBV2	114143	366284	2.69%	0.779%
2	2.628	147	156	165	rBV2	124429	314444	2.31%	0.668%
3	3.048	217	225	241	rVB2	65033	202130	1.48%	0.430%
4	3.607	306	317	332	rBV2	256413	925105	6.78%	1.967%
5	6.473	779	788	797	rBV2	71633	226041	1.66%	0.480%
6	6.588	799	807	817	rBV	114687	343575	2.52%	0.730%
7	7.197	898	907	918	rBV	342505	868420	6.37%	1.846%
8	7.513	949	959	972	rBV2	167544	488686	3.58%	1.039%
9	7.854	1006	1015	1020	rBV	661687	1579098	11.58%	3.357%
10	8.462	1107	1115	1124	rBV	933762	1751505	12.84%	3.723%
11	8.900	1179	1187	1192	rBV	441565	861695	6.32%	1.832%
12	8.955	1192	1196	1204	rVB2	227195	431010	3.16%	0.916%
13	9.685	1309	1316	1323	rBV	162675	283728	2.08%	0.603%
14	9.971	1357	1363	1370	rBV	1022438	1676926	12.30%	3.565%
15	10.238	1400	1407	1413	rBV	86217	137279	1.01%	0.292%
16	10.591	1458	1465	1477	rBV	597423	923827	6.77%	1.964%
17	11.291	1572	1580	1581	rBV	1348712	1848681	13.55%	3.930%
18	11.315	1581	1584	1590	rVV	1677452	2512771	18.42%	5.341%
19	11.394	1590	1597	1607	rVV	1620402	2381957	17.46%	5.063%
20	11.498	1607	1614	1624	rVB	1747212	2986877	21.90%	6.349%
21	11.832	1662	1669	1677	rVB	373982	559671	4.10%	1.190%
22	12.130	1713	1718	1725	rBV	137248	190815	1.40%	0.406%
23	12.362	1750	1756	1761	rBV	178180	273386	2.00%	0.581%
24	12.471	1768	1774	1779	rBV	110385	151893	1.11%	0.323%
25	12.538	1779	1785	1788	rVV	392085	569190	4.17%	1.210%
26	12.568	1788	1790	1794	rVV	256809	309802	2.27%	0.659%
27	12.617	1794	1798	1807	rVB	339666	481765	3.53%	1.024%
28	12.769	1815	1823	1830	rBV	84887	154160	1.13%	0.328%
29	12.921	1842	1848	1853	rBV	929191	1218944	8.94%	2.591%
30	13.219	1892	1897	1901	rBV	1043396	1686380	12.36%	3.585%
31	13.420	1920	1930	1941	rBV	10193238	13638977	100.00%	28.993%
32	13.517	1941	1946	1956	rVB2	768089	1380007	10.12%	2.934%
33	13.870	2000	2004	2009	rBV	107939	156840	1.15%	0.333%
34	14.016	2019	2028	2032	rBV3	126229	350480	2.57%	0.745%

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Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

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Title : TRACE VOA SOM01.0

35	14.150	2043	2050	2057	rBV3	121286	259700	1.90%	0.552%
36	14.351	2079	2083	2089	rBV	151190	210570	1.54%	0.448%
37	14.473	2094	2103	2109	rBV2	168401	285096	2.09%	0.606%
38	14.619	2122	2127	2132	rBV	114144	167906	1.23%	0.357%
39	15.002	2184	2190	2196	rVB	1682507	2371999	17.39%	5.042%
40	16.006	2348	2355	2368	rVB	616806	1030183	7.55%	2.190%
41	16.194	2378	2386	2396	rVB	268272	485152	3.56%	1.031%

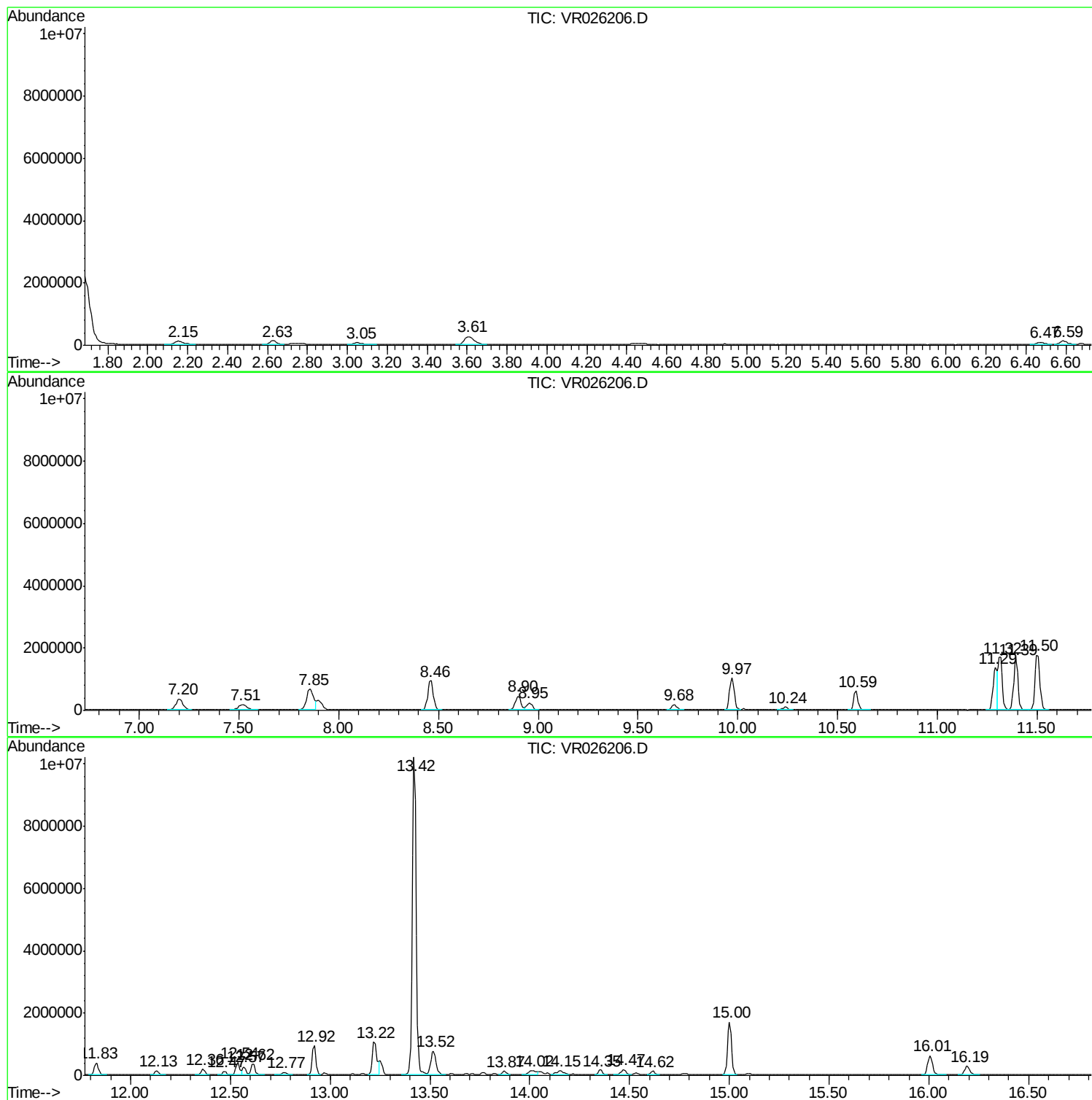
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Quant Title : TRACE VOA SOM01.0

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



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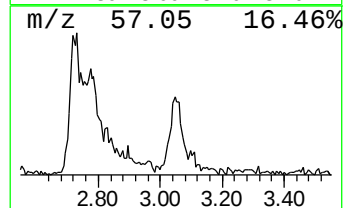
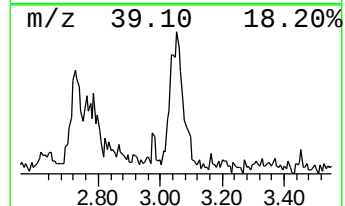
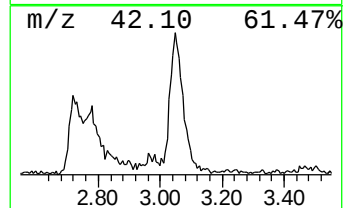
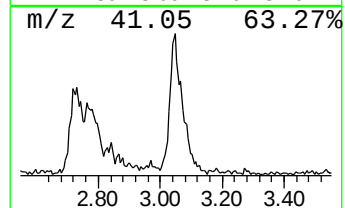
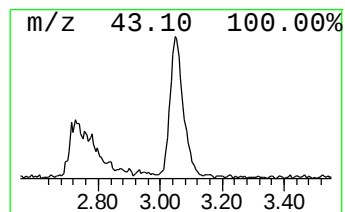
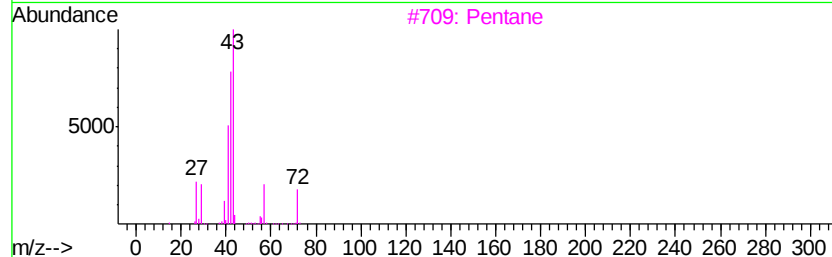
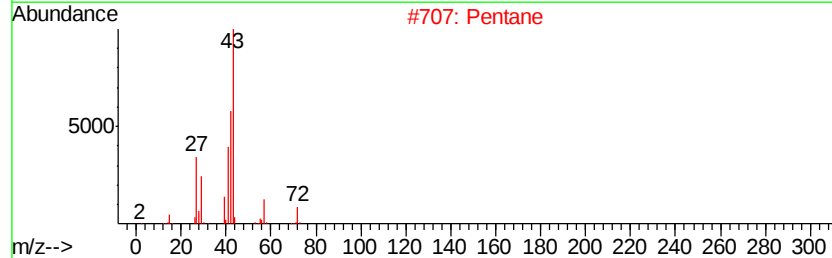
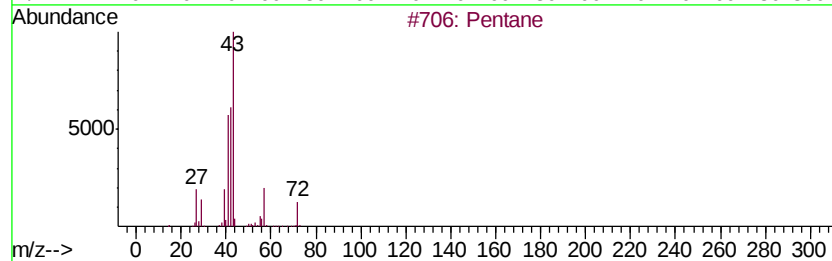
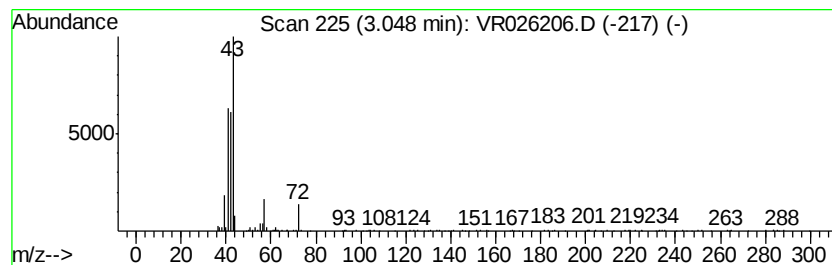
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR101518WMA.M
Quant Title : TRACE VOA SOM01.0

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

Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.05	0.58 ug/L	202130	1,4-Difluorobenzene	8.46

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentane	72	C5H12	000109-66-0	83
2		Pentane	72	C5H12	000109-66-0	80
3		Pentane	72	C5H12	000109-66-0	80
4		Pentane	72	C5H12	000109-66-0	80
5		Butane, 2-methyl-	72	C5H12	000078-78-4	33



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Instrument :
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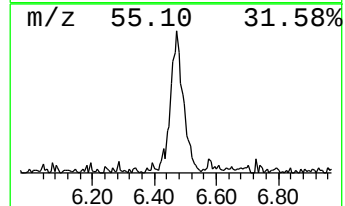
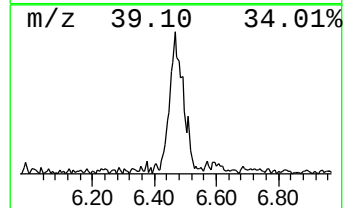
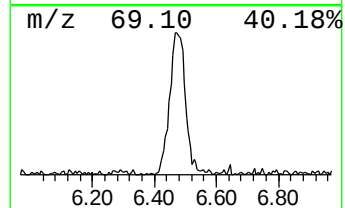
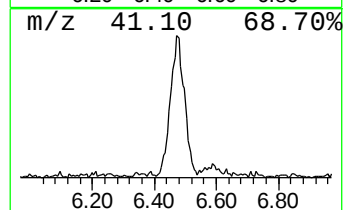
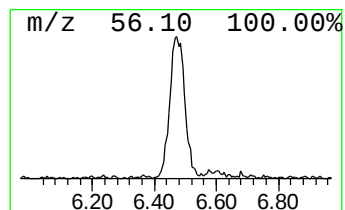
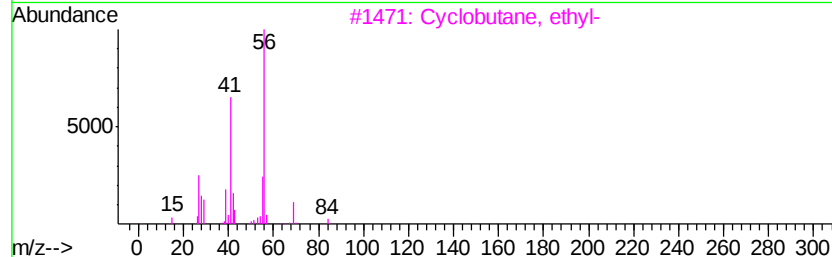
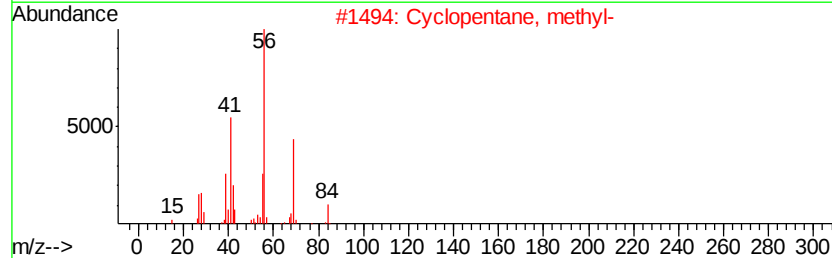
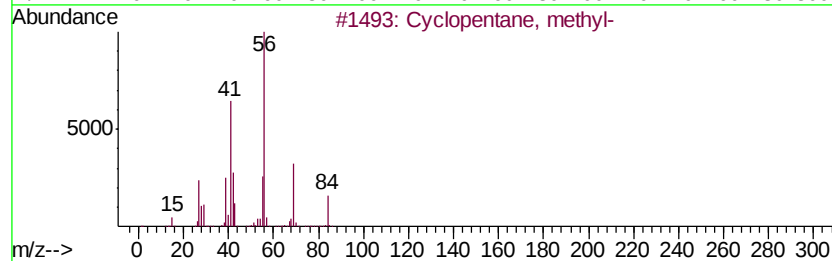
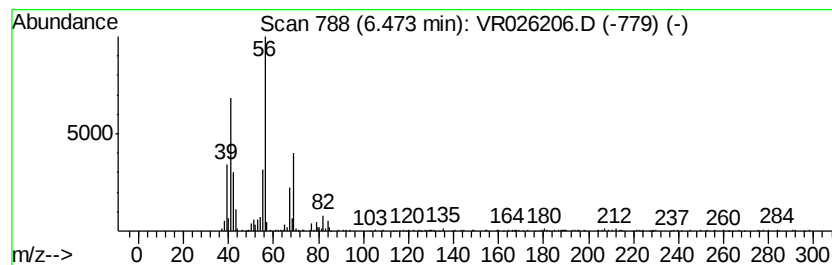
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR101518WMA.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 (DEL) Alkane: Cyclic6.47 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.47	0.65 ug/L	226041	1,4-Difluorobenzene	8.46

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopentane, methyl-	84	C6H12	000096-37-7	59
2		Cyclopentane, methyl-	84	C6H12	000096-37-7	59
3		Cyclobutane, ethyl-	84	C6H12	004806-61-5	58
4		Cyclopropane, propyl-	84	C6H12	002415-72-7	53
5		Propane, 2-cyclopropyl-	84	C6H12	003638-35-5	53



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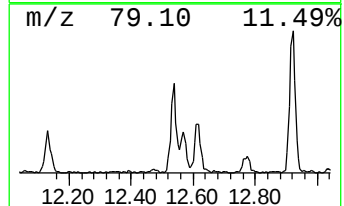
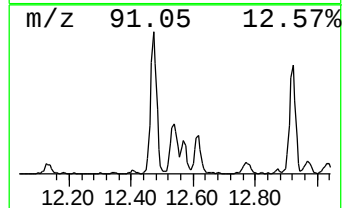
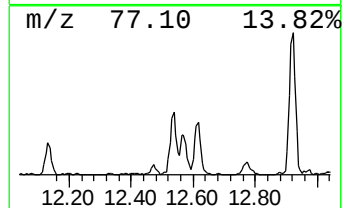
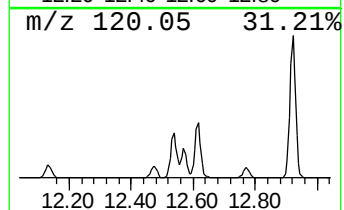
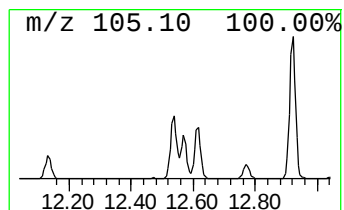
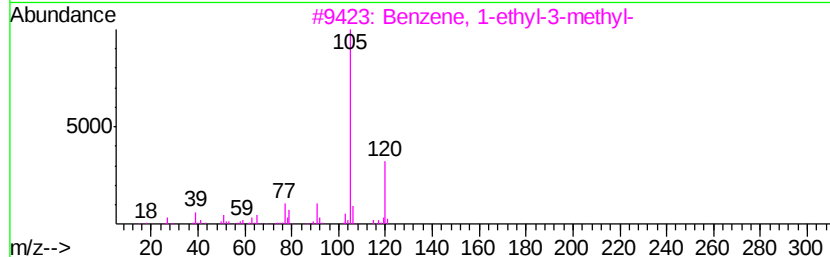
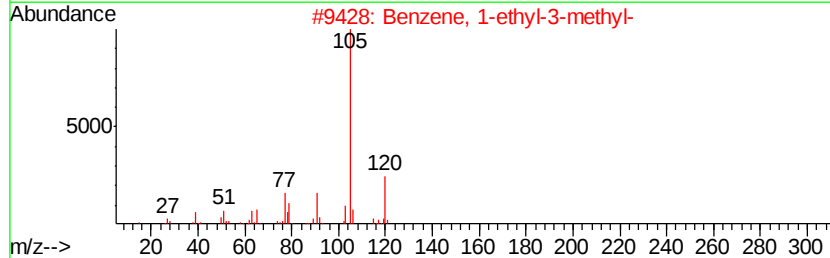
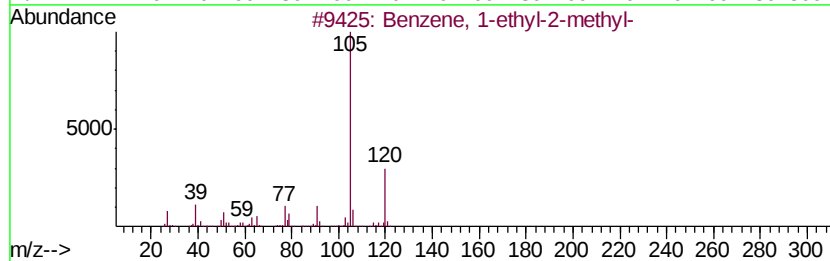
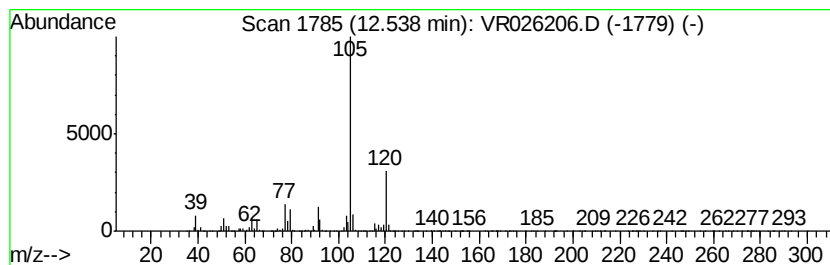
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR101518WMA.M
Quant Title : TRACE VOA SOM01.0

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

Peak Number 4 Benzene, 1-ethyl-2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.54	1.69 ug/L	569190	1,4-Dichlorobenzene-d4	13.22

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



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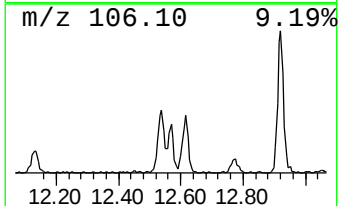
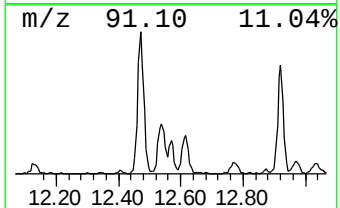
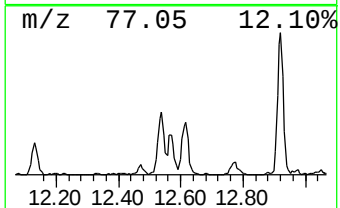
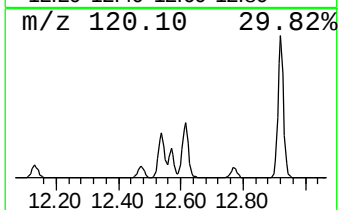
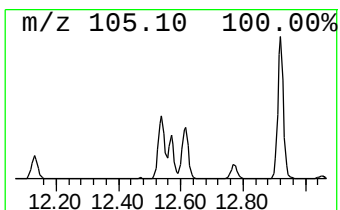
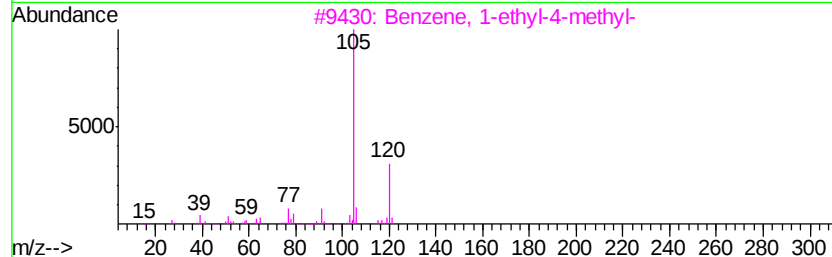
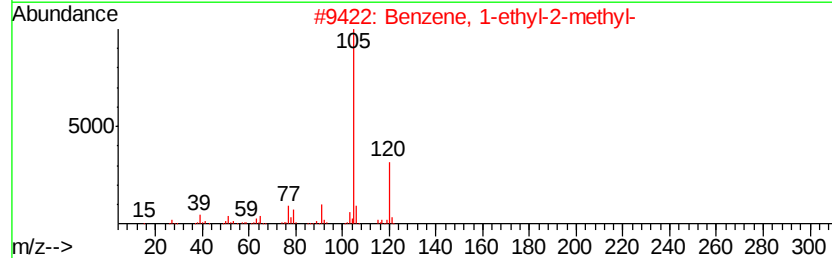
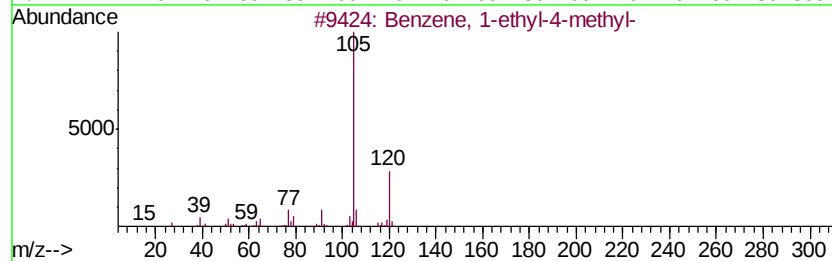
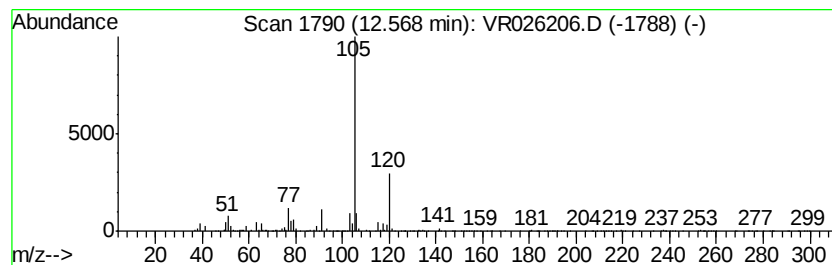
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Quant Title : TRACE VOA SOM01.0

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

Peak Number 5 Benzene, 1-ethyl-4-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.57	0.92 ug/L	309802	1,4-Dichlorobenzene-d4	13.22

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
2		Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	91
3		Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
4		Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	90
5		Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	90



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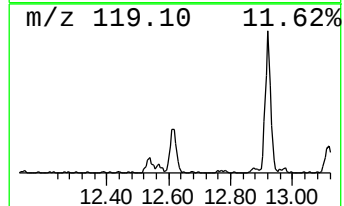
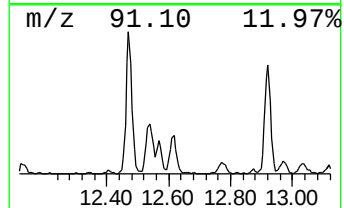
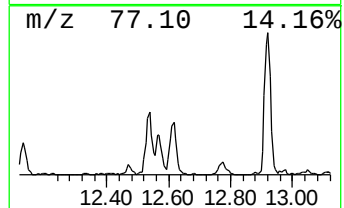
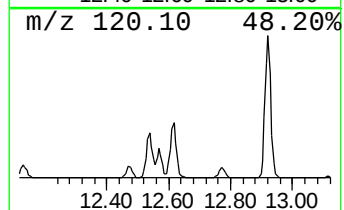
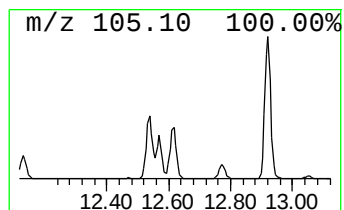
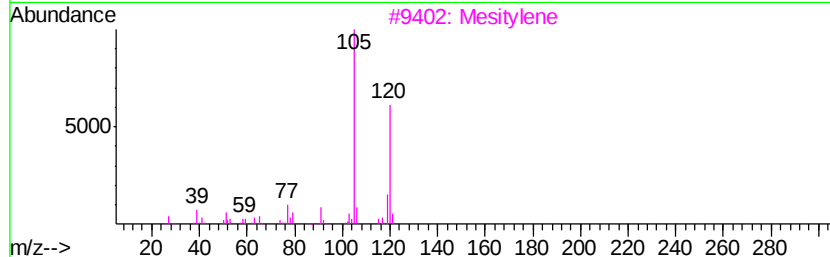
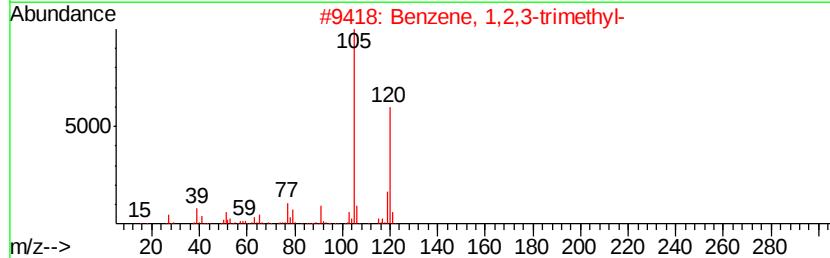
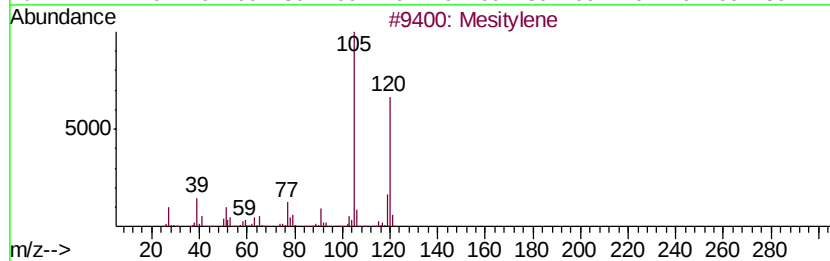
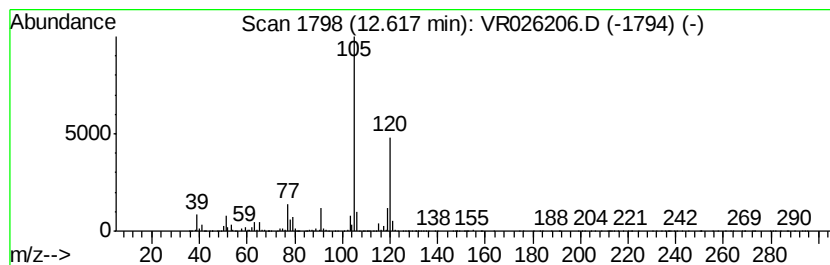
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Quant Title : TRACE VOA SOM01.0

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

Peak Number 6 Mesitylene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.62	1.43 ug/L	481765	1,4-Dichlorobenzene-d4	13.22

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Mesitylene		120	C9H12	000108-67-8	95
2	Benzene, 1,2,3-trimethyl-		120	C9H12	000526-73-8	95
3	Mesitylene		120	C9H12	000108-67-8	95
4	Benzene, 1,2,4-trimethyl-		120	C9H12	000095-63-6	95
5	Benzene, 1-ethyl-3-methyl-		120	C9H12	000620-14-4	94



Data Path : Z:\voasrv\HPCHEM1\MSVOA_R\Data\VR110718\
Data File : VR026206.D
Acq On : 7 Nov 2018 17:02
Operator : SY/MD
Sample : J5801-06DL 5X
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
F9D05DL

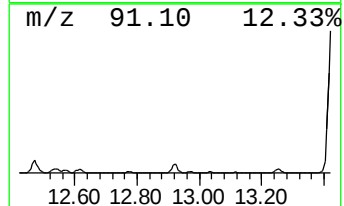
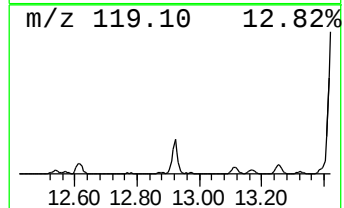
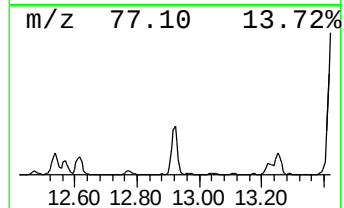
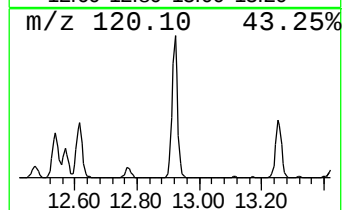
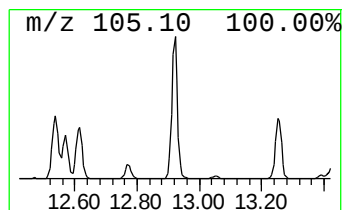
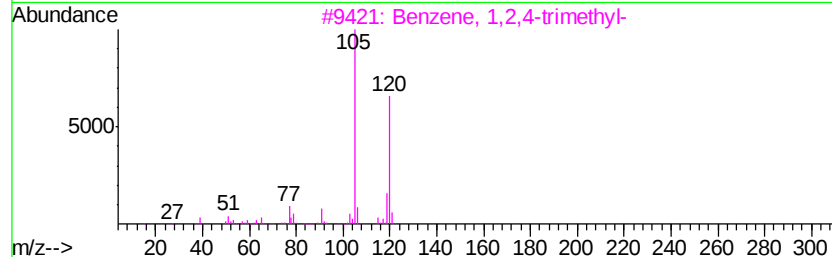
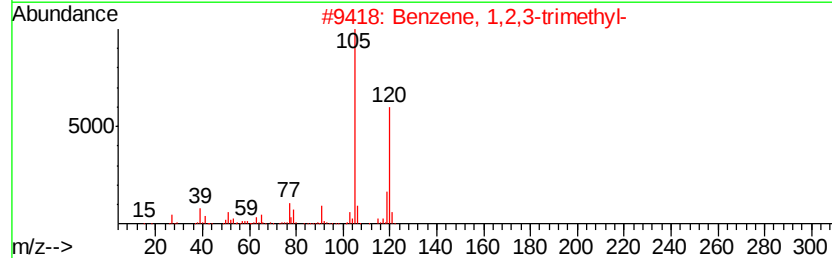
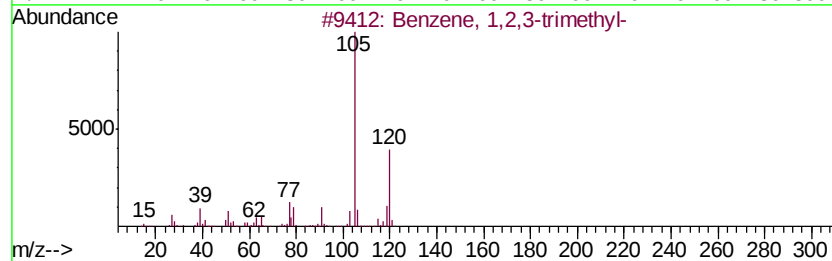
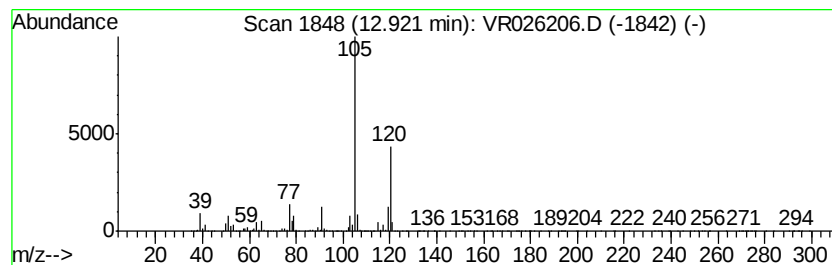
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Quant Title : TRACE VOA SOM01.0

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

Peak Number 7 Benzene, 1,2,3-trimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.92	3.61 ug/L	1218940	1,4-Dichlorobenzene-d4	13.22

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	95
2		Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	95
3		Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94
4		Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94
5		Mesitylene	120	C9H12	000108-67-8	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA_R\Data\VR110718\
Data File : VR026206.D
Acq On : 7 Nov 2018 17:02
Operator : SY/MD
Sample : J5801-06DL 5X
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
F9D05DL

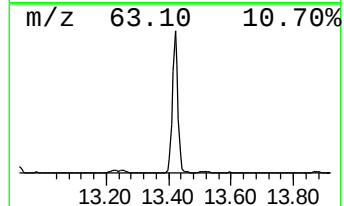
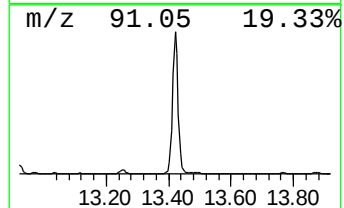
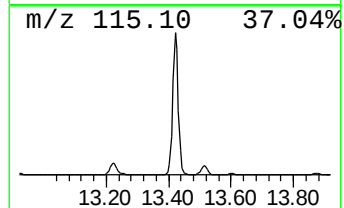
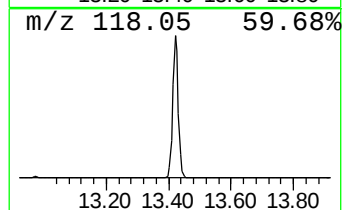
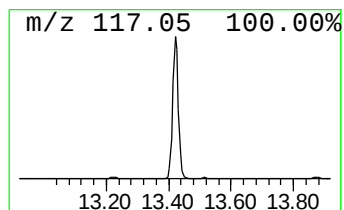
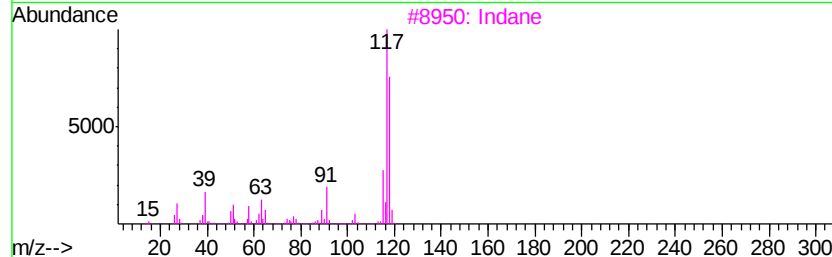
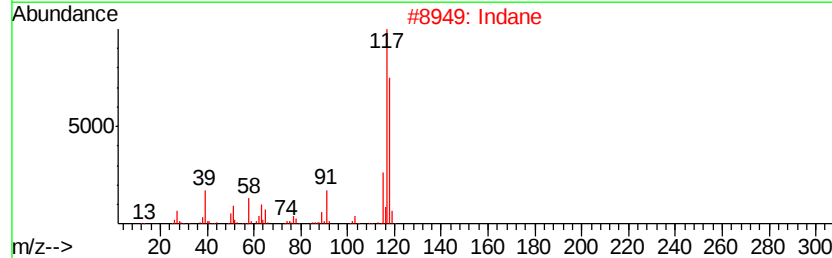
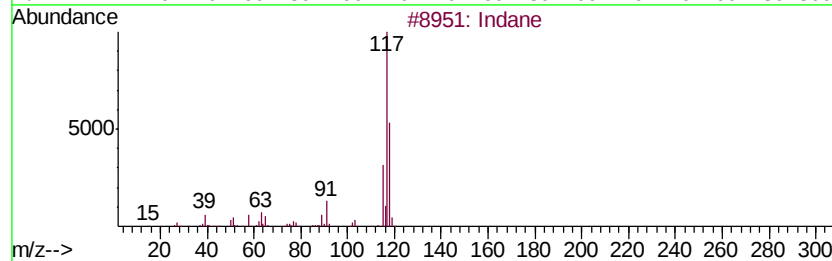
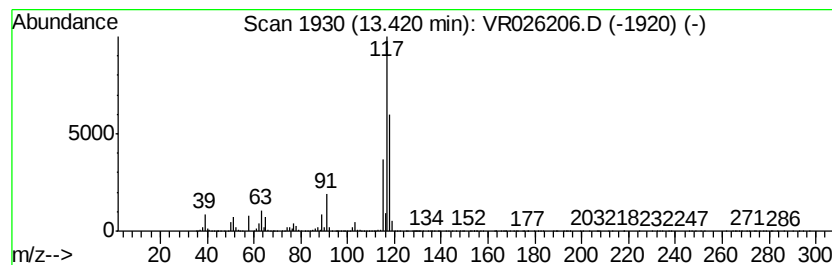
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Quant Title : TRACE VOA SOM01.0

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

Peak Number 8 Indane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.42	40.44 ug/L	13639000	1,4-Dichlorobenzene-d4	13.22

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane		118	C9H10	000496-11-7	94
2	Indane		118	C9H10	000496-11-7	93
3	Indane		118	C9H10	000496-11-7	91
4	Benzene, 2-propenyl-		118	C9H10	000300-57-2	81
5	Benzeneethanol, .beta.-ethenyl-		148	C10H12O	006052-63-7	78



Data Path : Z:\voasrv\HPCHEM1\MSVOA_R\Data\VR110718\
Data File : VR026206.D
Acq On : 7 Nov 2018 17:02
Operator : SY/MD
Sample : J5801-06DL 5X
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
F9D05DL

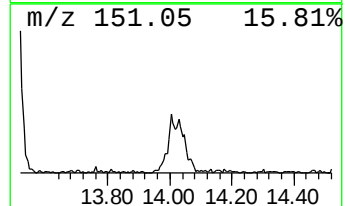
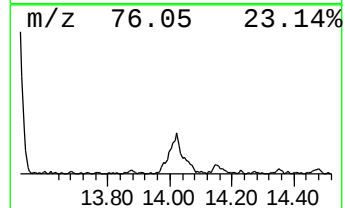
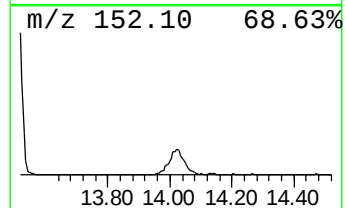
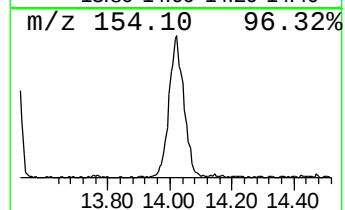
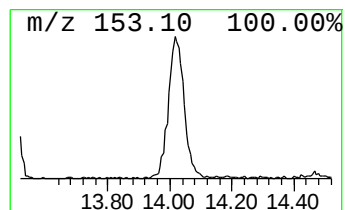
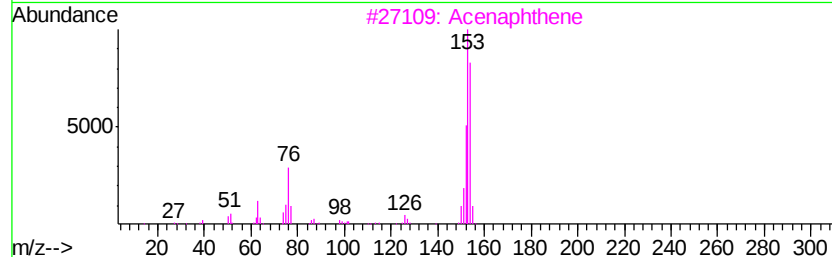
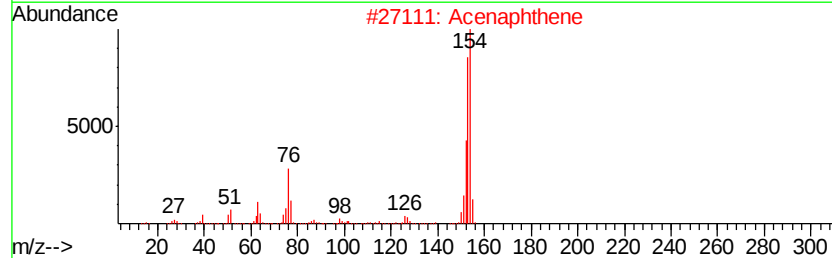
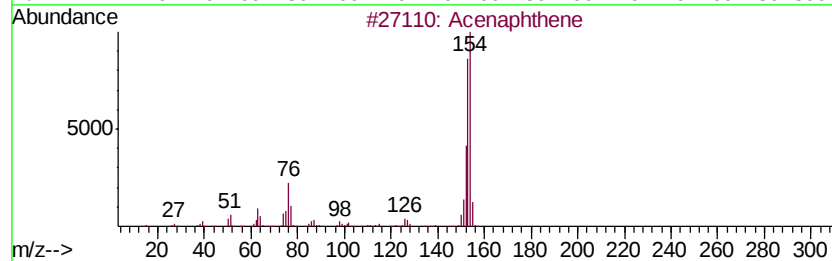
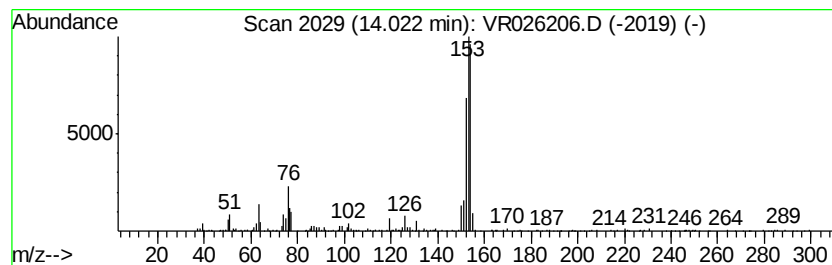
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Quant Title : TRACE VOA SOM01.0

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

Peak Number 9 Acenaphthene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.02	1.04 ug/L	350480	1,4-Dichlorobenzene-d4	13.22

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Acenaphthene	154	C12H10	000083-32-9	93
2			Acenaphthene	154	C12H10	000083-32-9	89
3			Acenaphthene	154	C12H10	000083-32-9	86
4			1,4-Ethenonaphthalene, 1,4-dihydro-	154	C12H10	007322-47-6	59
5			Naphthalene, 2-ethenyl-	154	C12H10	000827-54-3	58



Data Path : Z:\voasrv\HPCHEM1\MSVOA_R\Data\VR110718\
Data File : VR026206.D
Acq On : 7 Nov 2018 17:02
Operator : SY/MD
Sample : J5801-06DL 5X
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
F9D05DL

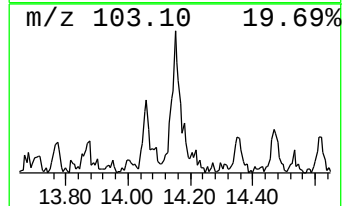
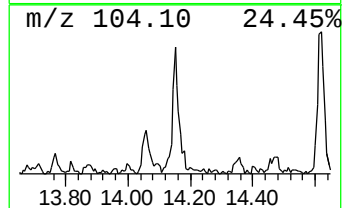
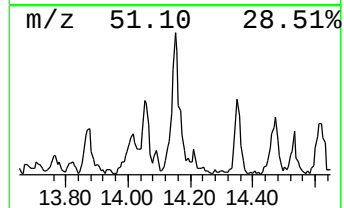
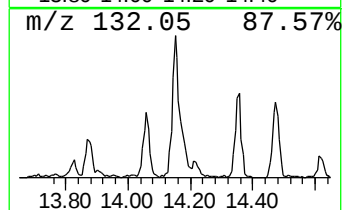
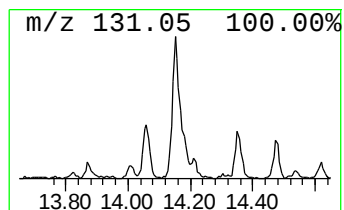
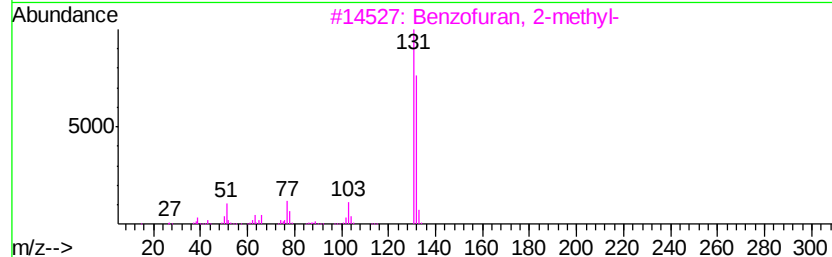
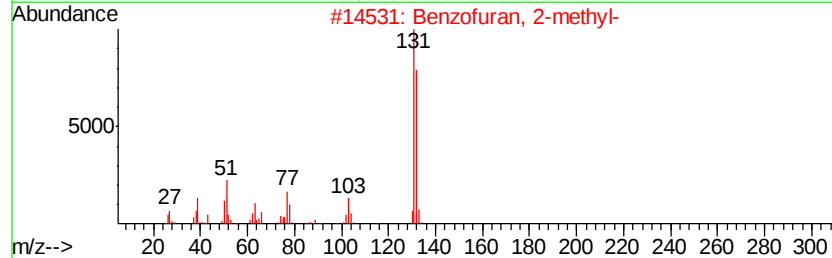
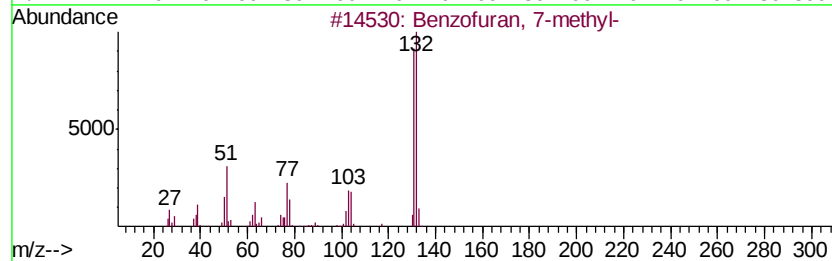
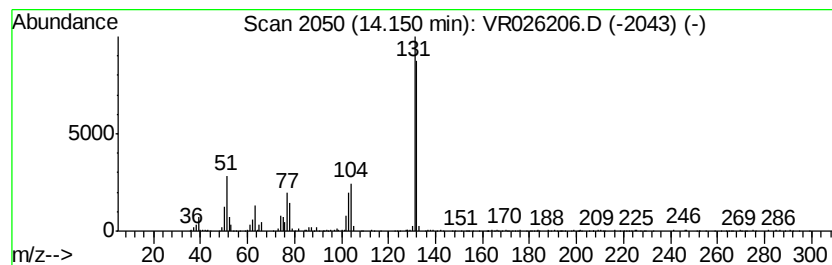
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Quant Title : TRACE VOA SOM01.0

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

Peak Number 10 Benzofuran, 7-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.15	0.77 ug/L	259700	1,4-Dichlorobenzene-d4	13.22

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzofuran, 7-methyl-	132	C9H8O	017059-52-8	94
2			Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	93
3			Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	93
4			3-Phenyl-2-propyn-1-ol	132	C9H8O	001504-58-1	91
5			1H-Indenol	132	C9H8O	056631-57-3	90



Data Path : Z:\voasrv\HPCHEM1\MSVOA_R\Data\VR110718\
Data File : VR026206.D
Acq On : 7 Nov 2018 17:02
Operator : SY/MD
Sample : J5801-06DL 5X
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 11 Sample Multiplier: 1

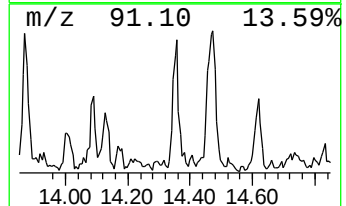
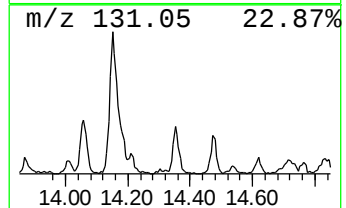
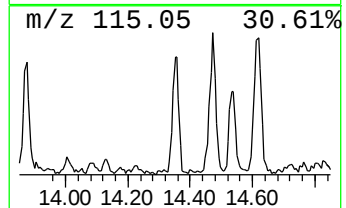
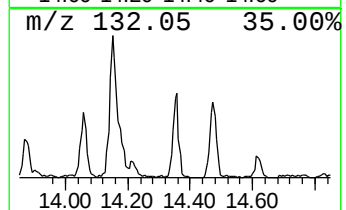
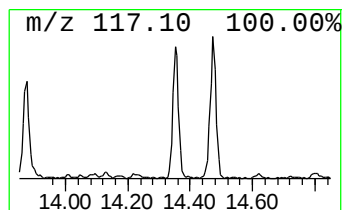
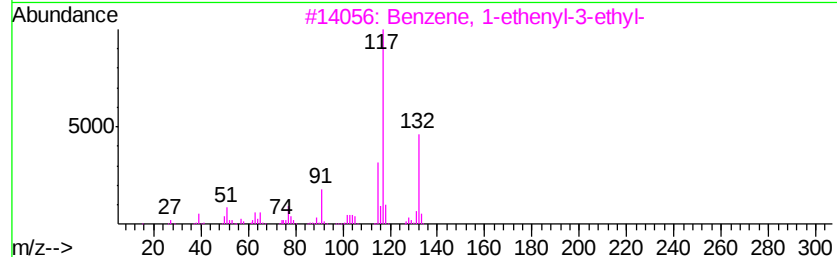
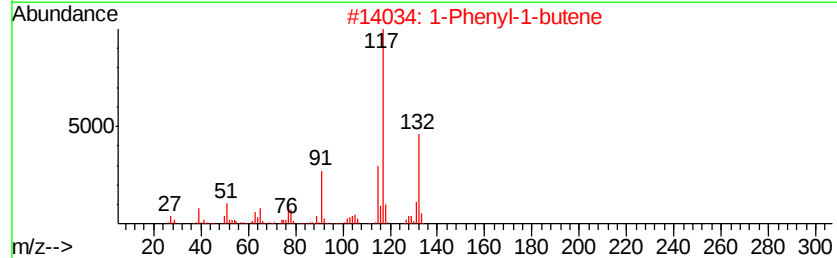
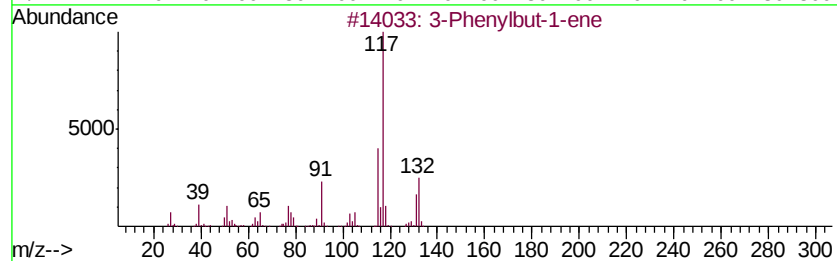
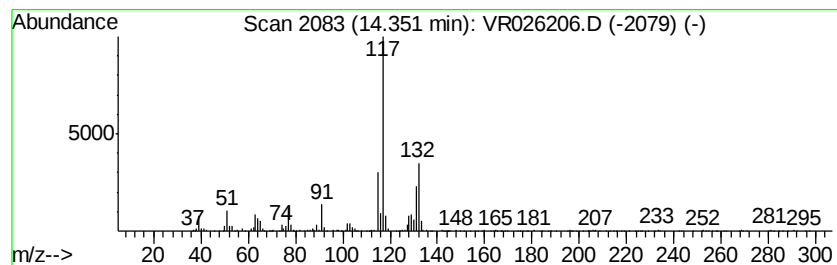
Instrument :
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ClientSampleId :
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Quant Title : TRACE VOA SOM01.0

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

Peak Number 11 3-Phenylbut-1-ene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.35	0.62 ug/L	210570	1,4-Dichlorobenzene-d4	13.22
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	3-Phenylbut-1-ene	132 C10H12	000934-10-1	87
2	1-Phenyl-1-butene	132 C10H12	000824-90-8	87
3	Benzene, 1-ethenyl-3-ethyl-	132 C10H12	007525-62-4	87
4	Benzene, (1-methyl-1-propenyl)-,...	132 C10H12	000768-00-3	83
5	Indan, 1-methyl-	132 C10H12	000767-58-8	81



Data Path : Z:\voasrv\HPCHEM1\MSVOA_R\Data\VR110718\
Data File : VR026206.D
Acq On : 7 Nov 2018 17:02
Operator : SY/MD
Sample : J5801-06DL 5X
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 11 Sample Multiplier: 1

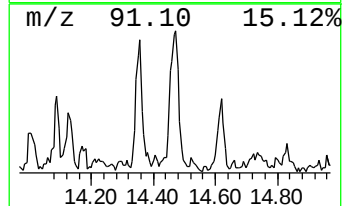
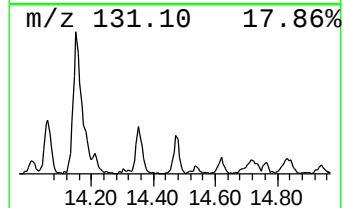
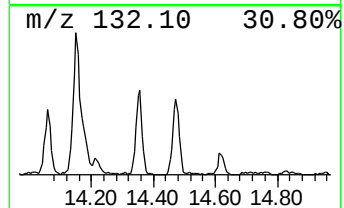
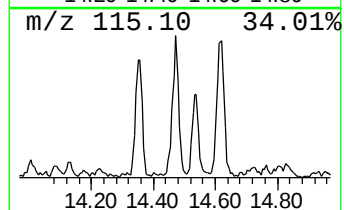
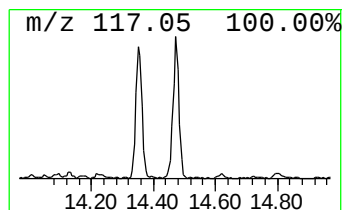
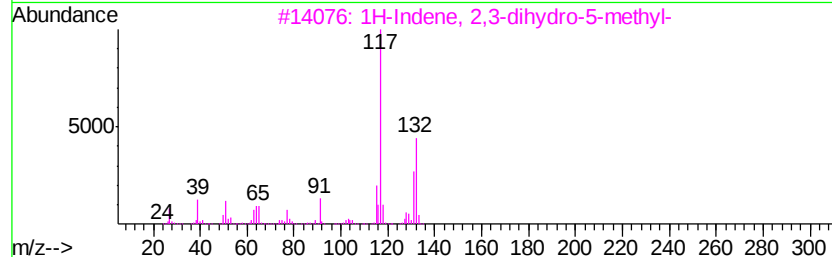
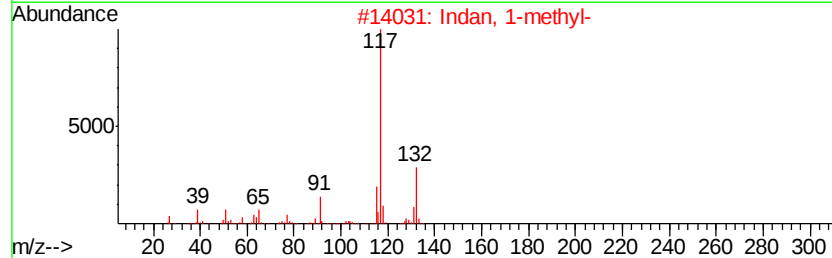
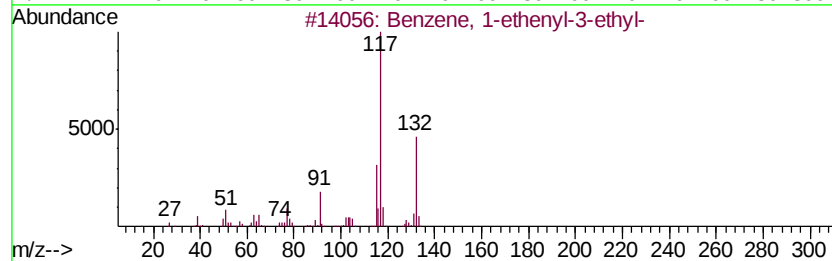
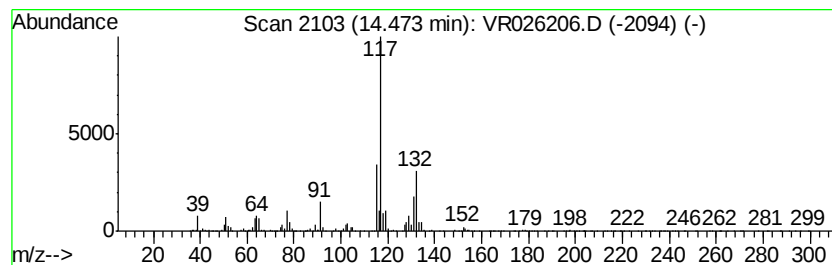
Instrument :
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ClientSampleId :
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR101518WMA.M
Quant Title : TRACE VOA SOM01.0

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

Peak Number 12 Benzene, 1-ethenyl-3-ethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.		
14.47	0.85 ug/L	285096	1,4-Dichlorobenzene-d4	13.22		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	87
2		Indan, 1-methyl-	132	C10H12	000767-58-8	87
3		1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	87
4		3-Phenylbut-1-ene	132	C10H12	000934-10-1	87
5		Benzene, (1-methyl-1-propenyl)-, ...	132	C10H12	000768-00-3	83



Data Path : Z:\voasrv\HPCHEM1\MSVOA_R\Data\VR110718\
Data File : VR026206.D
Acq On : 7 Nov 2018 17:02
Operator : SY/MD
Sample : J5801-06DL 5X
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
F9D05DL

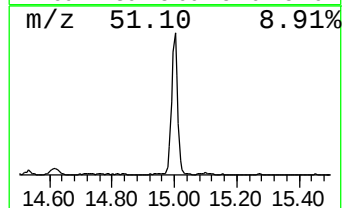
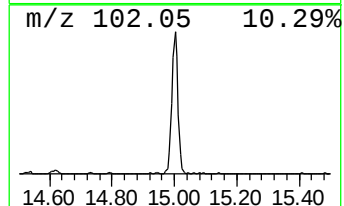
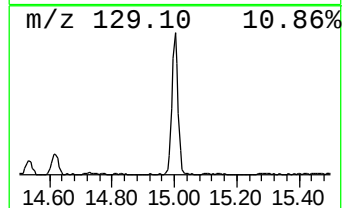
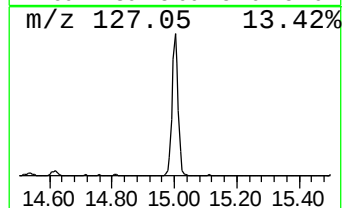
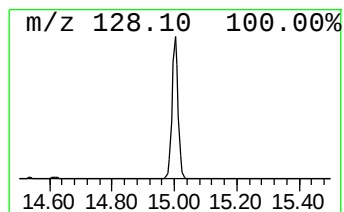
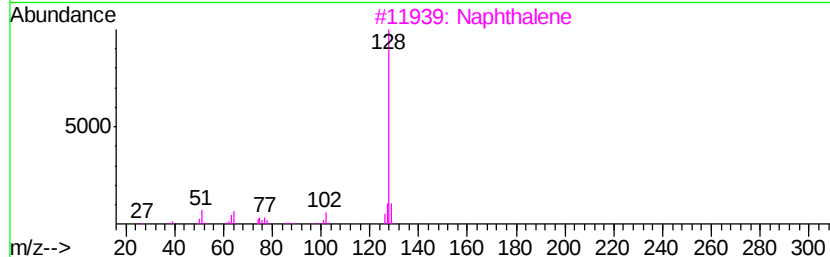
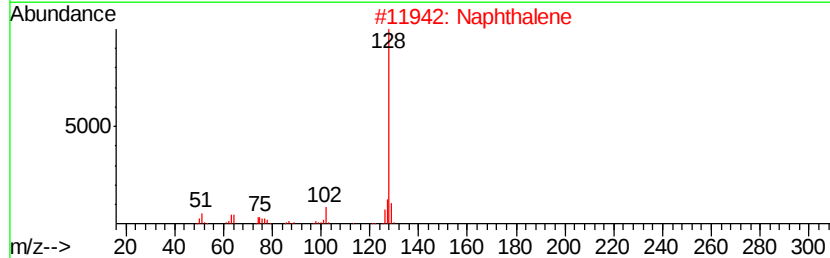
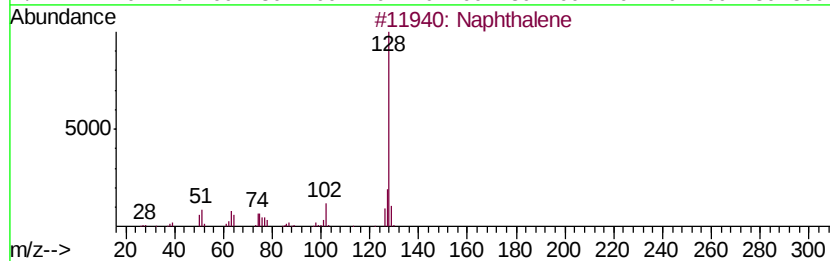
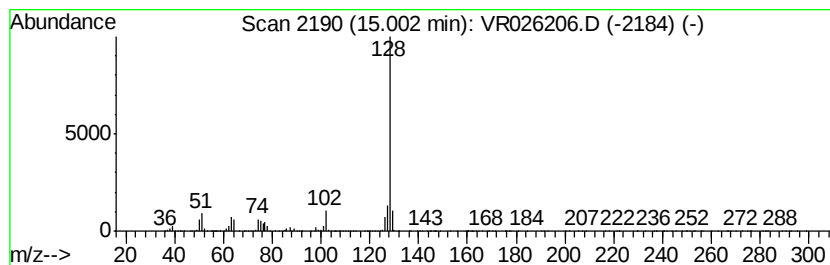
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR101518WMA.M
Quant Title : TRACE VOA SOM01.0

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

Peak Number 13 Azulene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.00	7.03 ug/L	2372000	1,4-Dichlorobenzene-d4	13.22

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene	128	C10H8	000091-20-3	97
2		Naphthalene	128	C10H8	000091-20-3	95
3		Naphthalene	128	C10H8	000091-20-3	91
4		Azulene	128	C10H8	000275-51-4	91
5		Azulene	128	C10H8	000275-51-4	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA_R\Data\VR110718\
Data File : VR026206.D
Acq On : 7 Nov 2018 17:02
Operator : SY/MD
Sample : J5801-06DL 5X
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
F9D05DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR101518WMA.M
Quant Title : TRACE VOA SOM01.0

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
(DEL) Alkane: Str...	3.05	0.6	ug/L	202130	1	8.46	1751510	5.0
(DEL) Alkane: Cyc...	6.47	0.7	ug/L	226041	1	8.46	1751510	5.0
Benzene, 1-ethyl-...	12.54	1.7	ug/L	569190	3	13.22	1686380	5.0
Benzene, 1-ethyl-...	12.57	0.9	ug/L	309802	3	13.22	1686380	5.0
Mesitylene	12.62	1.4	ug/L	481765	3	13.22	1686380	5.0
Benzene, 1,2,3-tr...	12.92	3.6	ug/L	1218940	3	13.22	1686380	5.0
Indane	13.42	40.4	ug/L	13639000	3	13.22	1686380	5.0
Acenaphthene	14.02	1.0	ug/L	350480	3	13.22	1686380	5.0
Benzofuran, 7-met...	14.15	0.8	ug/L	259700	3	13.22	1686380	5.0
3-Phenylbut-1-ene	14.35	0.6	ug/L	210570	3	13.22	1686380	5.0
Benzene, 1-etheny...	14.47	0.8	ug/L	285096	3	13.22	1686380	5.0
Azulene	15.00	7.0	ug/L	2372000	3	13.22	1686380	5.0