

Data Path : Z:\voasrv\HPCHEM1\MSVOA_R\Data\VR110718\
 Data File : VR026200.D
 Acq On : 7 Nov 2018 12:17
 Operator : SY/MD
 Sample : J5801-05DL 5X
 Misc : 25mL/MSVOA_R/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 F9D04DL

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	65	78	91	rBV3	121187	395196	2.93%	0.838%
2	2.622	145	155	164	rBV2	161145	397935	2.95%	0.844%
3	3.048	219	225	237	rVB2	70572	182355	1.35%	0.387%
4	3.601	306	316	329	rBV	335784	1055137	7.83%	2.239%
5	4.453	440	456	457	rBV7	44741	145138	1.08%	0.308%
6	6.473	779	788	798	rBV2	76611	240705	1.79%	0.511%
7	6.582	798	806	816	rBV2	120199	362819	2.69%	0.770%
8	7.197	898	907	922	rBV	371857	987527	7.33%	2.095%
9	7.519	950	960	972	rBV3	175246	510652	3.79%	1.083%
10	7.854	1003	1015	1020	rBV	765400	1772449	13.16%	3.760%
11	8.456	1104	1114	1124	rBV	834737	1571830	11.67%	3.335%
12	8.900	1178	1187	1192	rBV	483475	962822	7.15%	2.043%
13	8.955	1192	1196	1205	rVB3	231607	460608	3.42%	0.977%
14	9.679	1307	1315	1320	rBV	190366	308963	2.29%	0.655%
15	9.971	1355	1363	1371	rBV	1171132	1855844	13.78%	3.937%
16	10.232	1400	1406	1412	rBV	99750	162149	1.20%	0.344%
17	10.591	1457	1465	1478	rBV	616857	978629	7.26%	2.076%
18	11.291	1573	1580	1581	rBV	1147420	1643479	12.20%	3.487%
19	11.315	1581	1584	1590	rVV	1642994	2406207	17.86%	5.105%
20	11.394	1591	1597	1606	rVB	1626302	2353662	17.47%	4.993%
21	11.498	1606	1614	1625	rBV	1806743	2967806	22.03%	6.296%
22	11.826	1663	1668	1676	rVB	358414	536134	3.98%	1.137%
23	12.131	1713	1718	1725	rVB	133328	194811	1.45%	0.413%
24	12.362	1750	1756	1761	rBV	198751	296062	2.20%	0.628%
25	12.471	1768	1774	1779	rBV	108886	150436	1.12%	0.319%
26	12.538	1779	1785	1788	rVV	375208	558142	4.14%	1.184%
27	12.569	1788	1790	1794	rVV	250258	298364	2.21%	0.633%
28	12.611	1794	1797	1806	rVB	333964	478996	3.56%	1.016%
29	12.769	1815	1823	1831	rBV	86946	138667	1.03%	0.294%
30	12.921	1842	1848	1853	rBV	916043	1207275	8.96%	2.561%
31	13.219	1892	1897	1901	rBV	940475	1537615	11.41%	3.262%
32	13.250	1901	1902	1907	rVB	428517	417691	3.10%	0.886%
33	13.420	1921	1930	1936	rBV	10121757	13471612	100.00%	28.581%
34	13.518	1941	1946	1956	rVB2	839318	1495024	11.10%	3.172%

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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

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

35	13.870	2000	2004	2009	rBV	118370	173849	1.29%	0.369%
36	14.150	2043	2050	2058	rBV2	103354	228321	1.69%	0.484%
37	14.351	2078	2083	2089	rBV	139193	200246	1.49%	0.425%
38	14.473	2096	2103	2109	rBV2	156432	268182	1.99%	0.569%
39	14.619	2122	2127	2136	rBV	95971	149041	1.11%	0.316%
40	15.002	2182	2190	2196	rBV	1721227	2374468	17.63%	5.038%
41	16.006	2348	2355	2363	rBV	525912	845240	6.27%	1.793%
42	16.188	2379	2385	2394	rBV	211761	392728	2.92%	0.833%

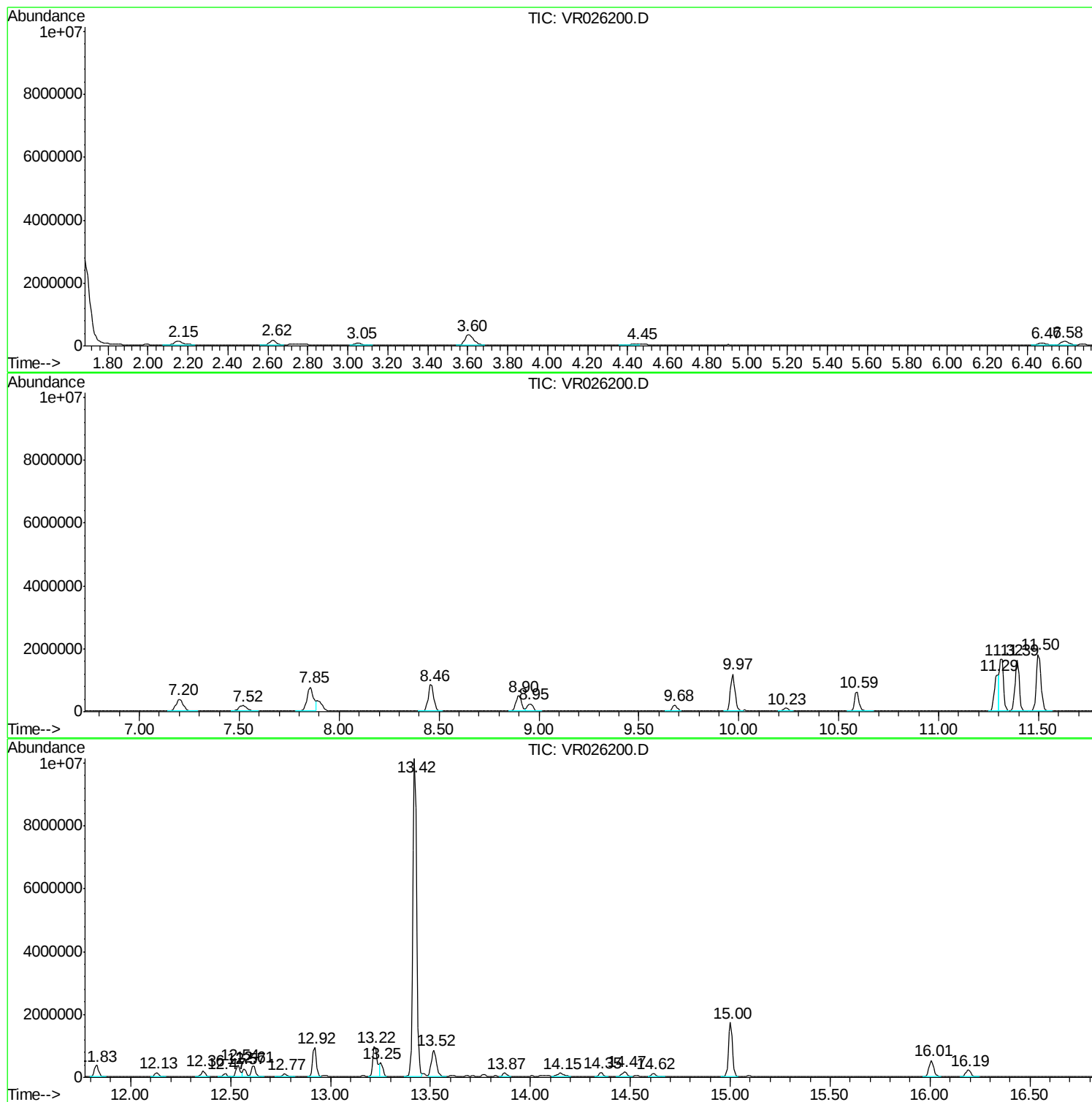
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR101518WMA.M
Quant Title : TRACE VOA SOM01.0

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



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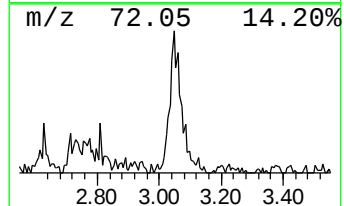
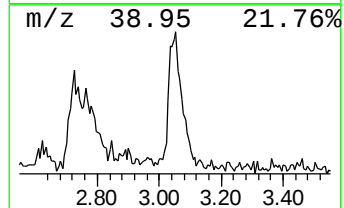
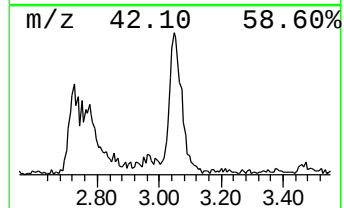
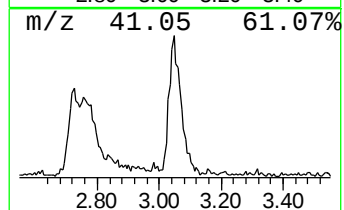
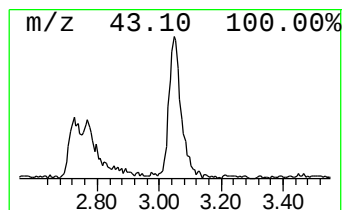
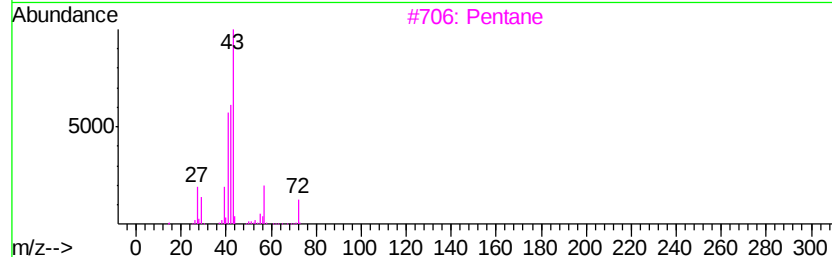
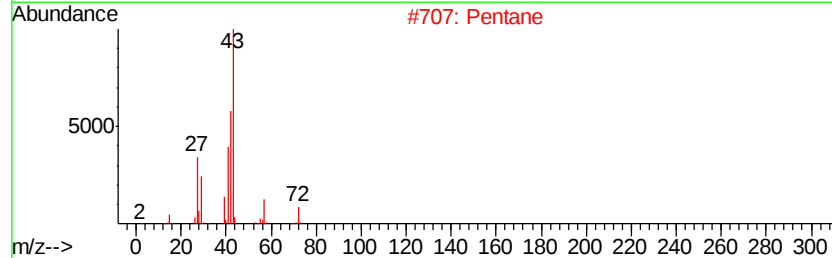
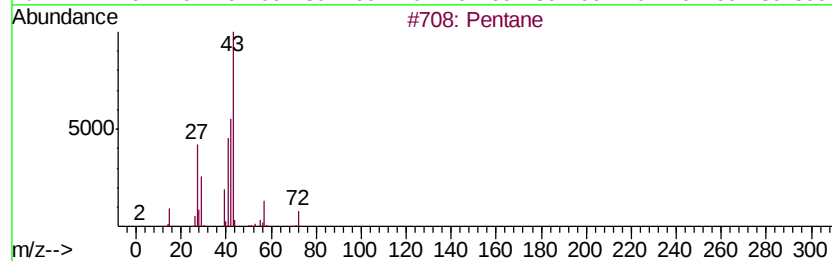
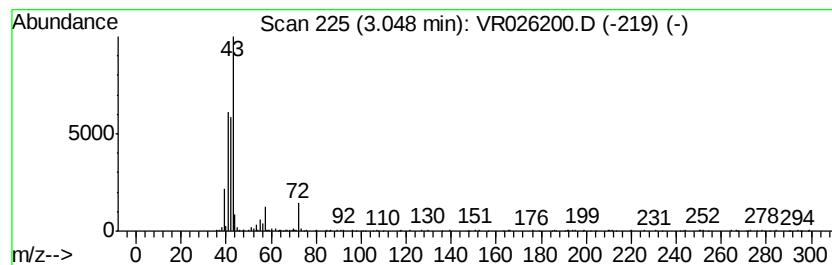
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR101518WMA.M
Quant Title : TRACE VOA SOM01.0

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

Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.05	0.58 ug/L	182355	1,4-Difluorobenzene	8.46

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentane	72	C5H12	000109-66-0	80
2		Pentane	72	C5H12	000109-66-0	72
3		Pentane	72	C5H12	000109-66-0	62
4		3-Methyl-3-isopropyldiaziridine	100	C5H12N2	024476-95-7	47
5		Butane, 2-methyl-	72	C5H12	000078-78-4	40



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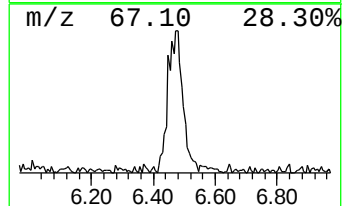
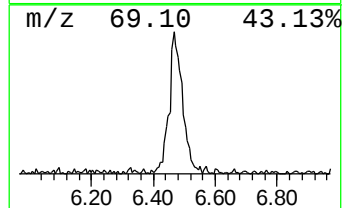
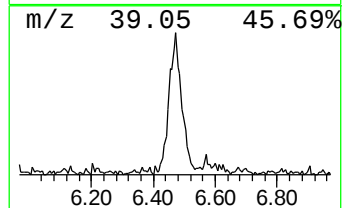
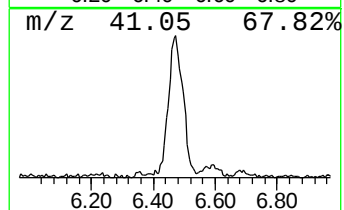
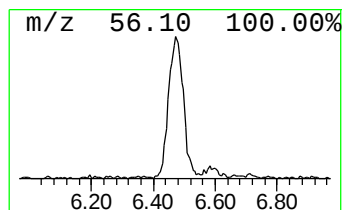
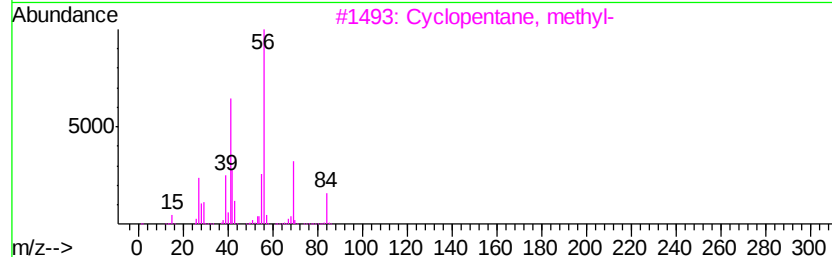
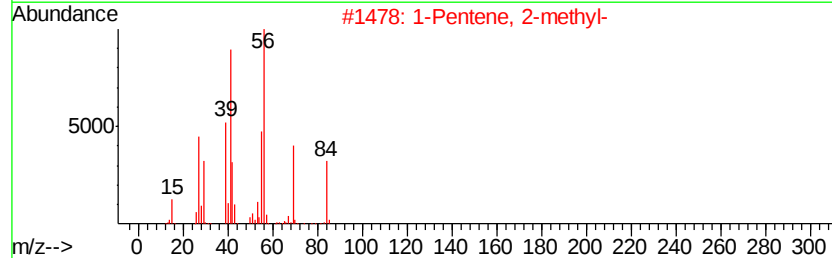
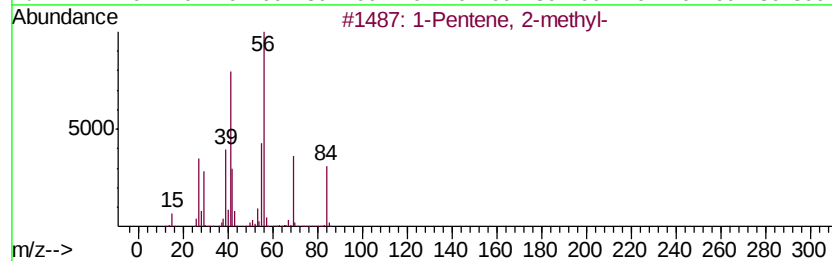
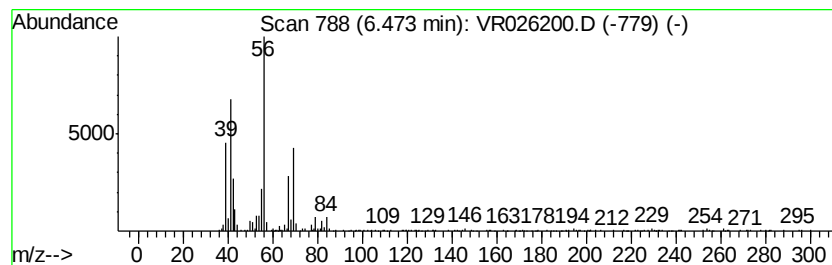
Instrument :
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ClientSampleId :
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Quant Title : TRACE VOA SOM01.0

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

Peak Number 2 (DEL) Alkane: Cyclic6.47 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.	
6.47	0.77 ug/L	240705	1,4-Difluorobenzene	8.46	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Pentene, 2-methyl-	84	C6H12	000763-29-1	64
2	1-Pentene, 2-methyl-	84	C6H12	000763-29-1	50
3	Cyclopentane, methyl-	84	C6H12	000096-37-7	49
4	Cyclopentane, methyl-	84	C6H12	000096-37-7	47
5	1-Pentanol, 4-methyl-	102	C6H14O	000626-89-1	47



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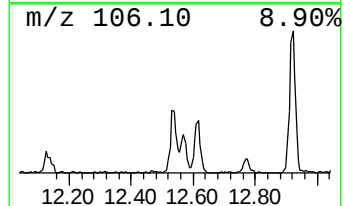
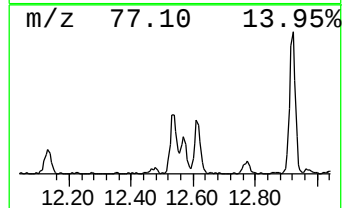
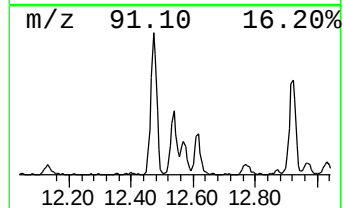
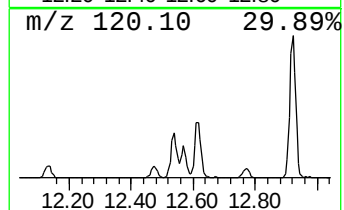
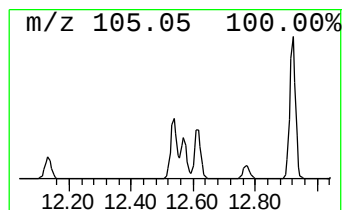
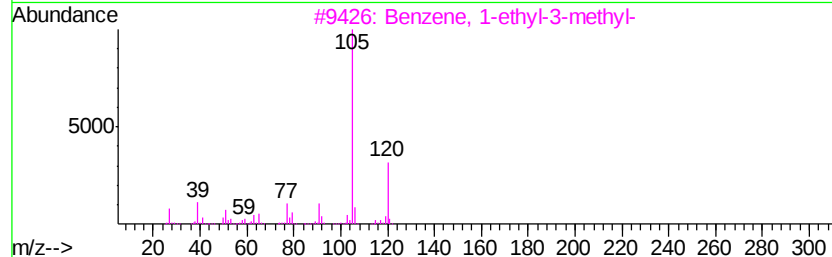
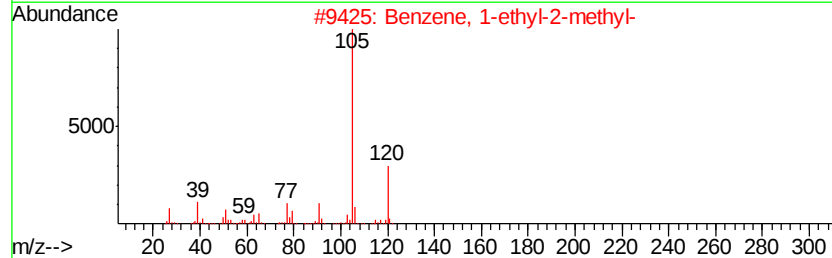
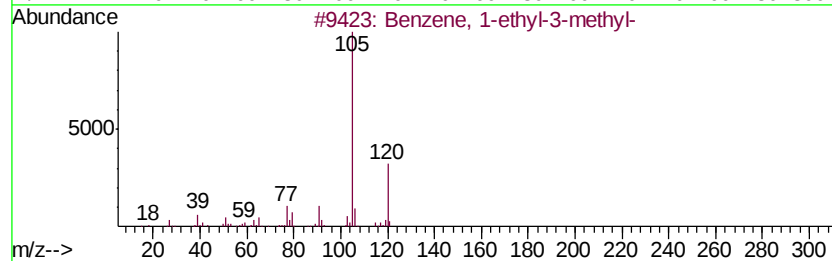
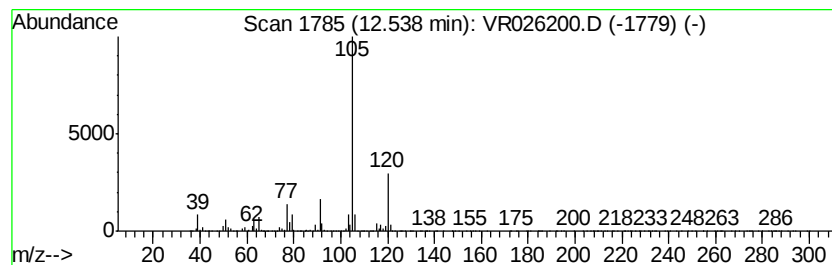
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR101518WMA.M
Quant Title : TRACE VOA SOM01.0

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

Peak Number 4 Benzene, 1-ethyl-3-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.54	1.81 ug/L	558142	1,4-Dichlorobenzene-d4	13.22

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94
2		Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
3		Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
4		Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
5		Mesitylene	120	C9H12	000108-67-8	91



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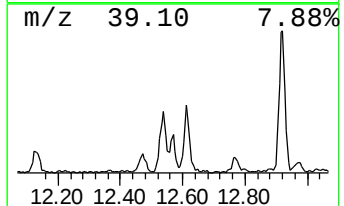
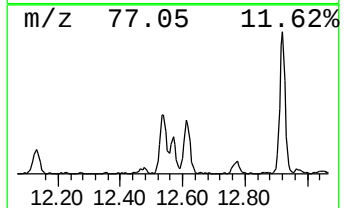
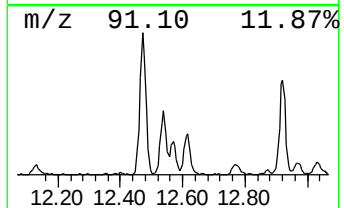
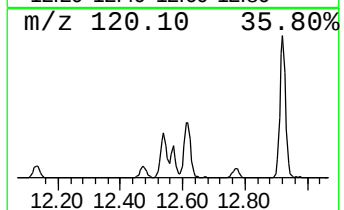
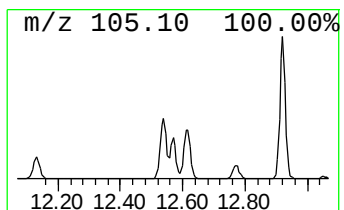
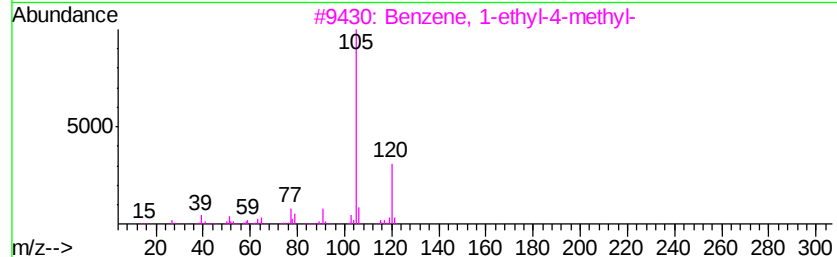
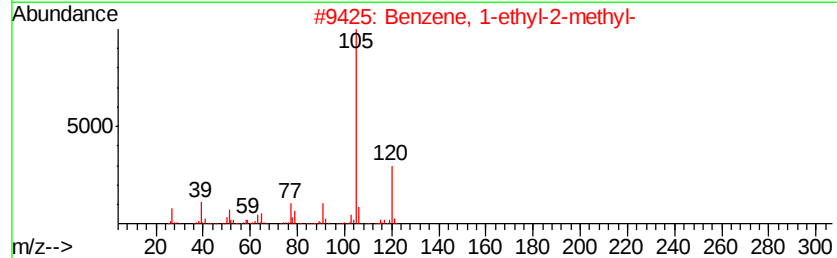
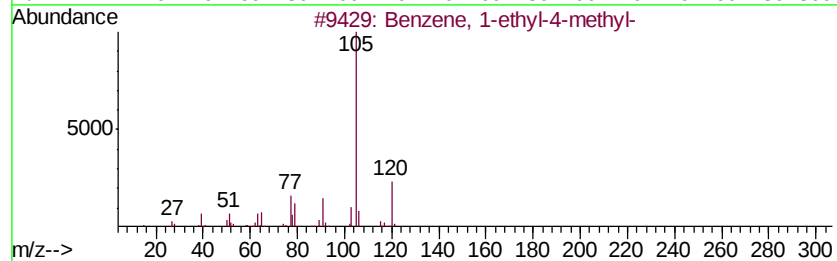
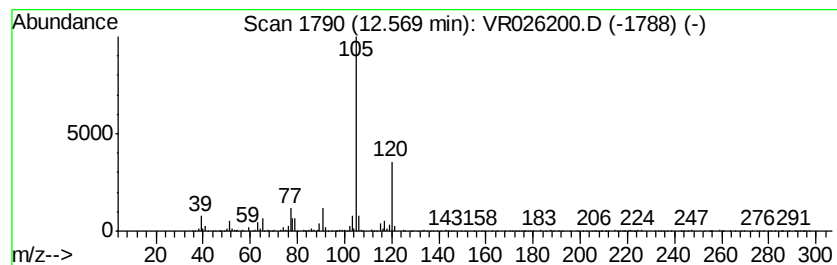
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.57	0.97 ug/L	298364	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	93
2		Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	90
3		Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	90
4		Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	90
5		Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	87



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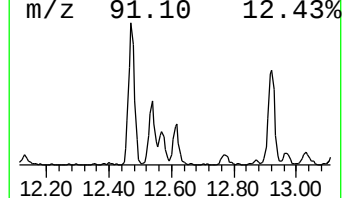
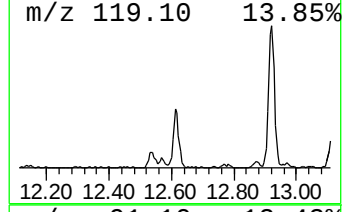
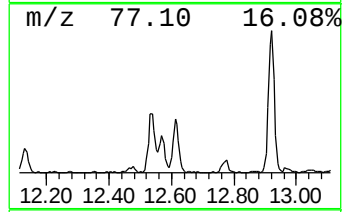
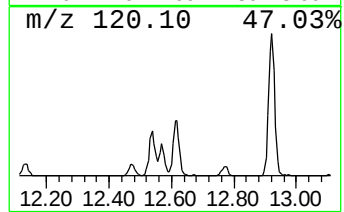
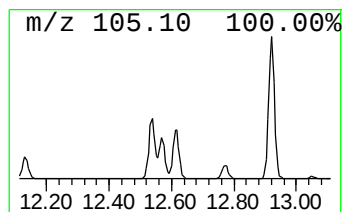
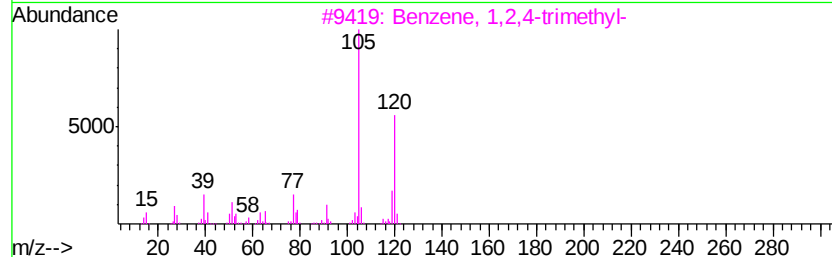
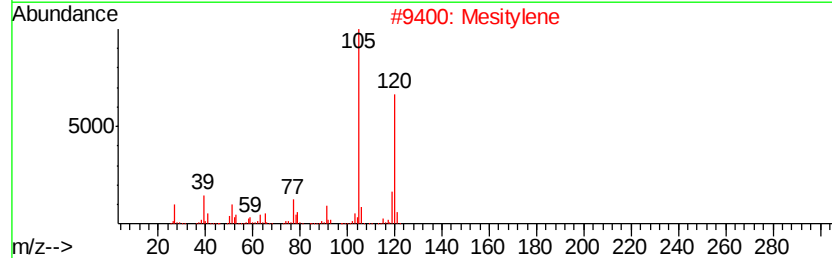
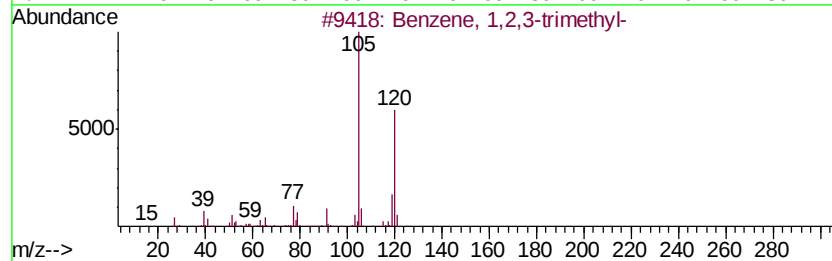
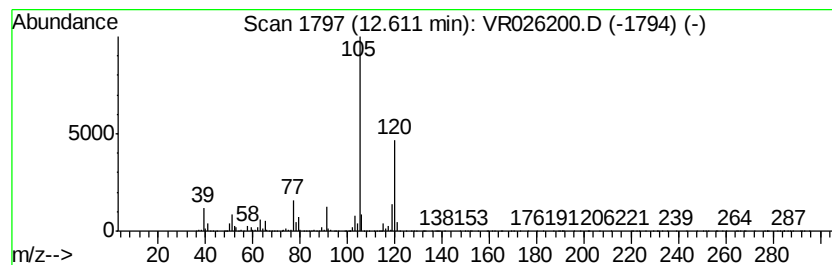
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Quant Title : TRACE VOA SOM01.0

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

Peak Number 6 Benzene, 1,2,3-trimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.61	1.56 ug/L	478996	1,4-Dichlorobenzene-d4	13.22

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	97
2		Mesitylene	120	C9H12	000108-67-8	94
3		Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94
4		Mesitylene	120	C9H12	000108-67-8	94
5		Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA_R\Data\VR110718\
Data File : VR026200.D
Acq On : 7 Nov 2018 12:17
Operator : SY/MD
Sample : J5801-05DL 5X
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 5 Sample Multiplier: 1

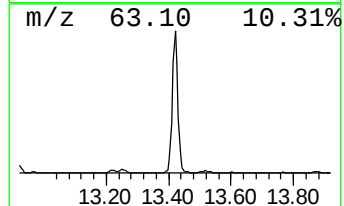
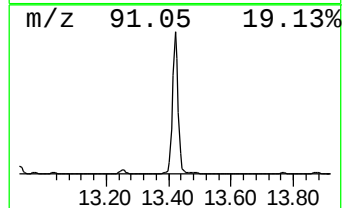
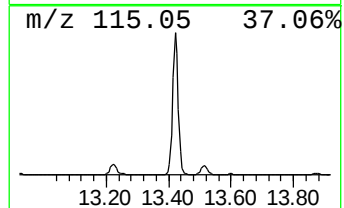
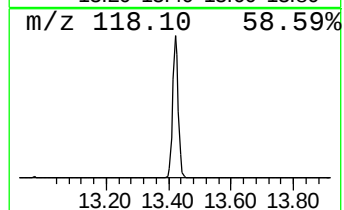
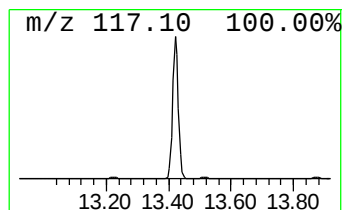
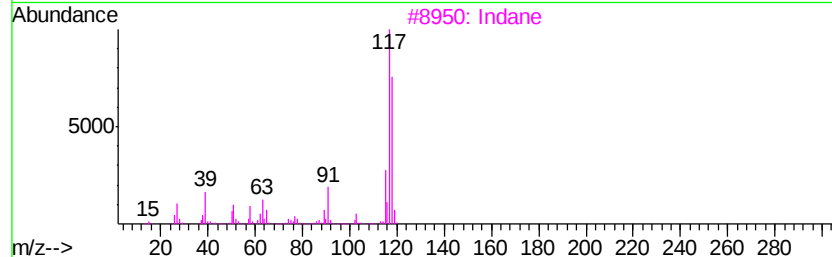
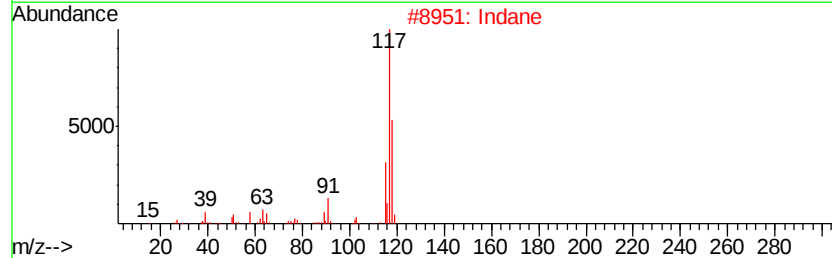
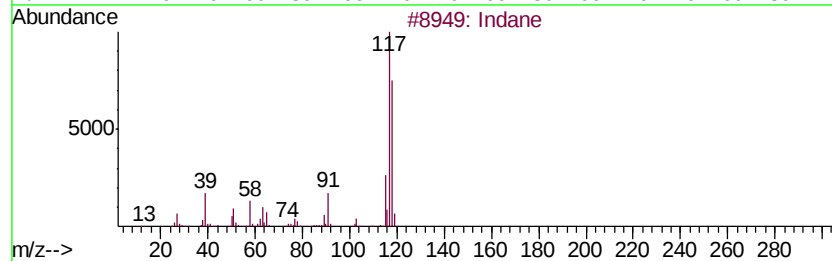
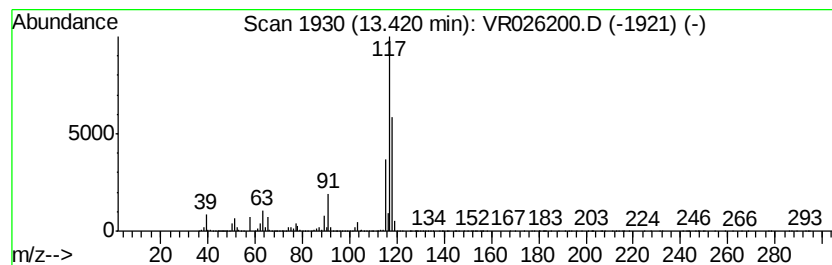
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ClientSampleId :
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Quant Title : TRACE VOA SOM01.0

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

Peak Number 8 Indane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.42	43.81 ug/L	13471600	1,4-Dichlorobenzene-d4	13.22
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Indane		118 C9H10	000496-11-7 93
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	Benzene, 1-ethenyl-2-methyl-		118 C9H10	000611-15-4 76



Data Path : Z:\voasrv\HPCHEM1\MSVOA_R\Data\VR110718\
Data File : VR026200.D
Acq On : 7 Nov 2018 12:17
Operator : SY/MD
Sample : J5801-05DL 5X
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 5 Sample Multiplier: 1

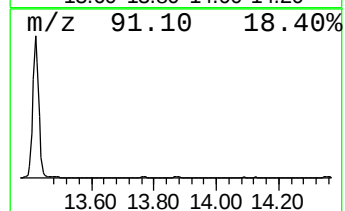
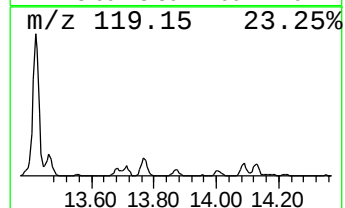
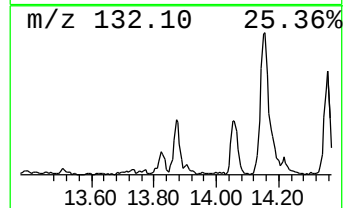
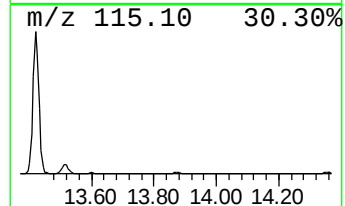
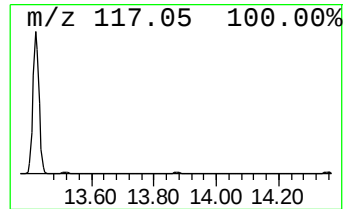
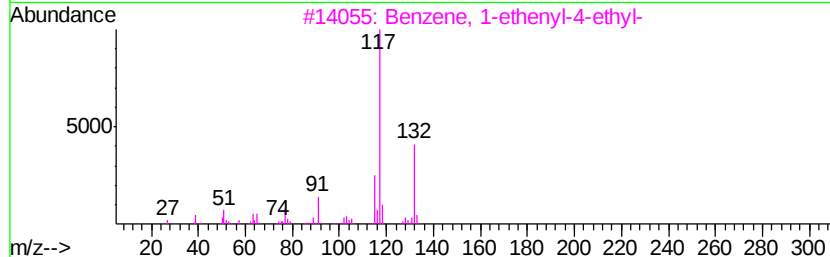
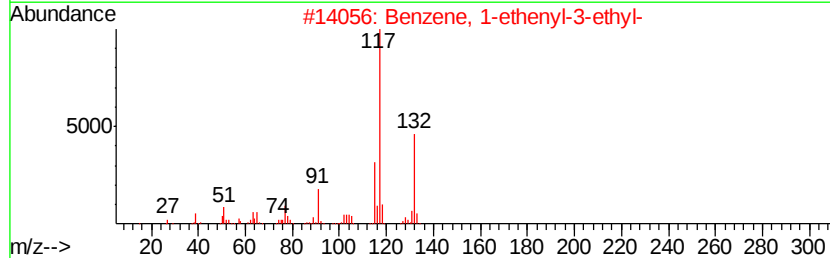
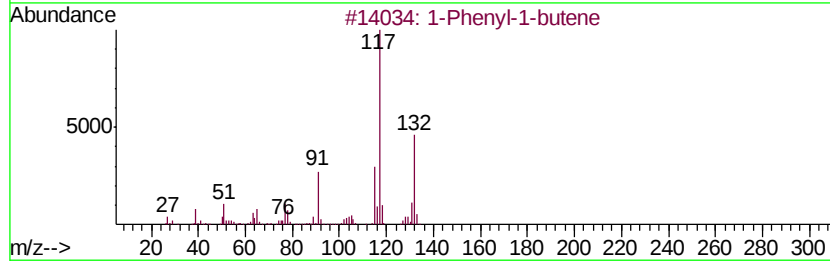
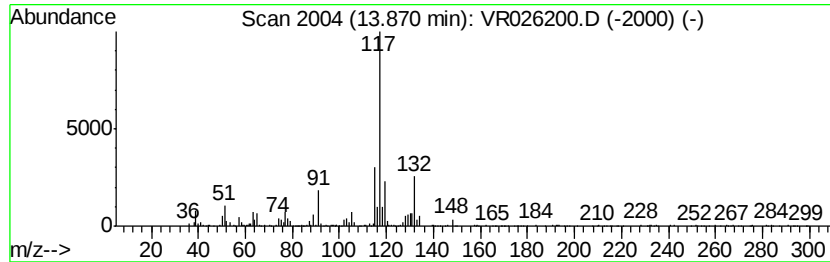
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ClientSampleId :
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Quant Title : TRACE VOA SOM01.0

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

Peak Number 9 1-Phenyl-1-butene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.87	0.57 ug/L	173849	1,4-Dichlorobenzene-d4	13.22
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	1-Phenyl-1-butene	132 C10H12	000824-90-8	81
2	Benzene, 1-ethenyl-3-ethyl-	132 C10H12	007525-62-4	81
3	Benzene, 1-ethenyl-4-ethyl-	132 C10H12	003454-07-7	81
4	Benzene, 1-ethenyl-4-ethyl-	132 C10H12	003454-07-7	76
5	1H-Indene, 2,3-dihydro-4-methyl-	132 C10H12	000824-22-6	74



Data Path : Z:\voasrv\HPCHEM1\MSVOA_R\Data\VR110718\
Data File : VR026200.D
Acq On : 7 Nov 2018 12:17
Operator : SY/MD
Sample : J5801-05DL 5X
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 5 Sample Multiplier: 1

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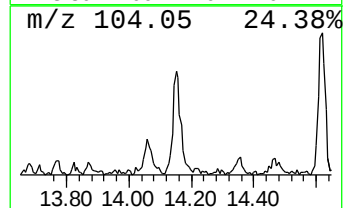
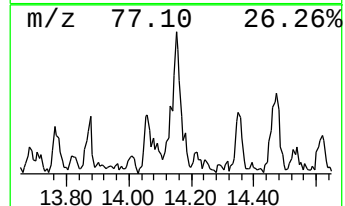
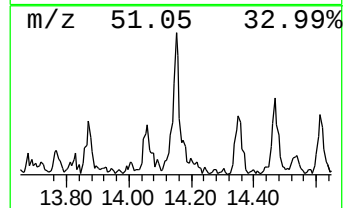
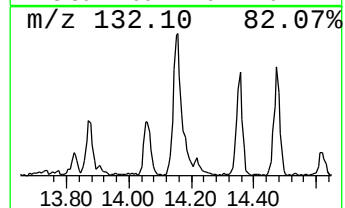
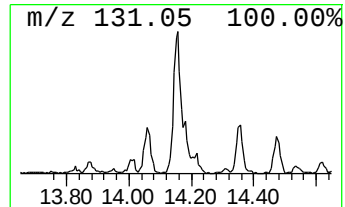
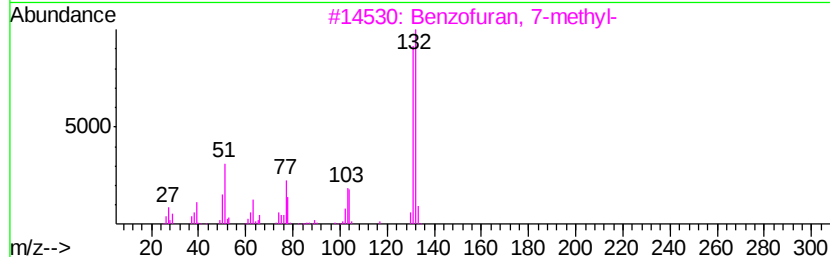
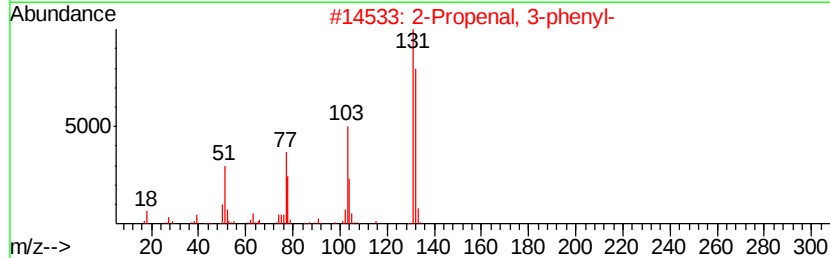
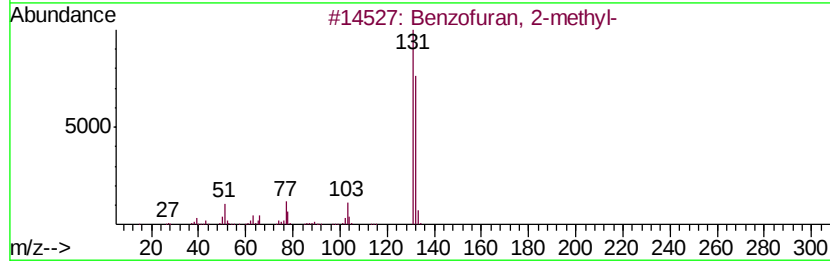
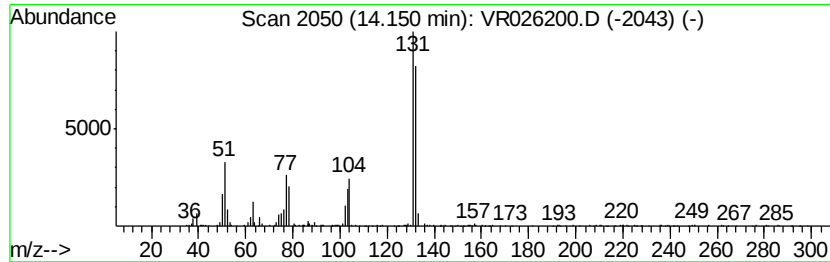
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Quant Title : TRACE VOA SOM01.0

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

Peak Number 10 Benzofuran, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.15	0.74 ug/L	228321	1,4-Dichlorobenzene-d4	13.22

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	90
2		2-Propenal, 3-phenyl-	132	C9H8O	000104-55-2	90
3		Benzofuran, 7-methyl-	132	C9H8O	017059-52-8	90
4		2-Propenal, 3-phenyl-	132	C9H8O	000104-55-2	87
5		Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	87



Data Path : Z:\voasrv\HPCHEM1\MSVOA_R\Data\VR110718\
Data File : VR026200.D
Acq On : 7 Nov 2018 12:17
Operator : SY/MD
Sample : J5801-05DL 5X
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 5 Sample Multiplier: 1

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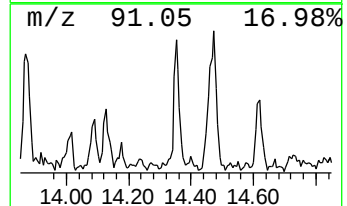
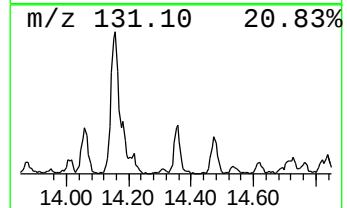
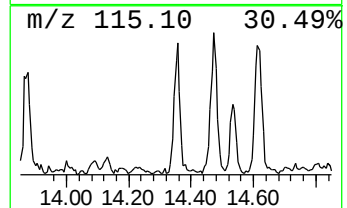
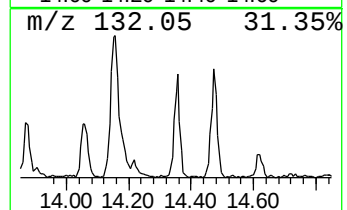
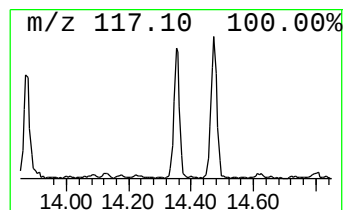
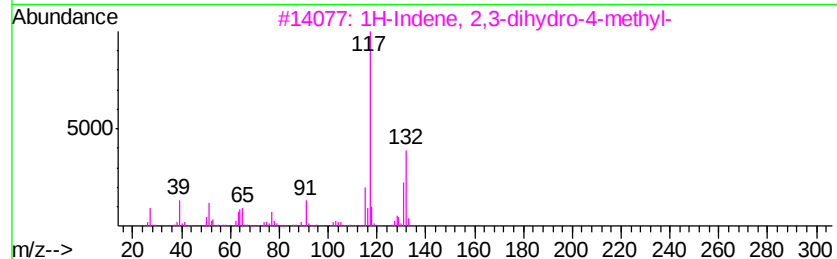
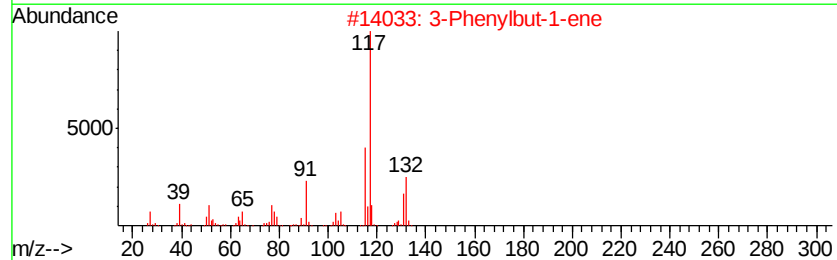
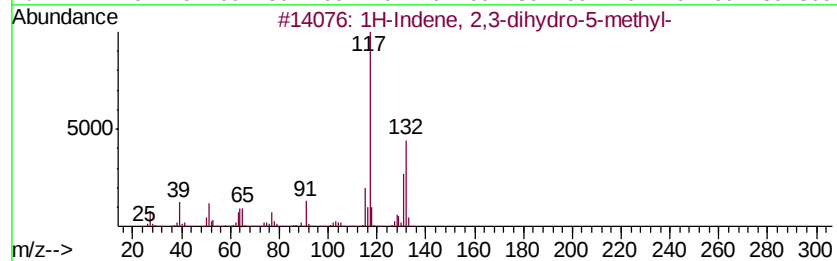
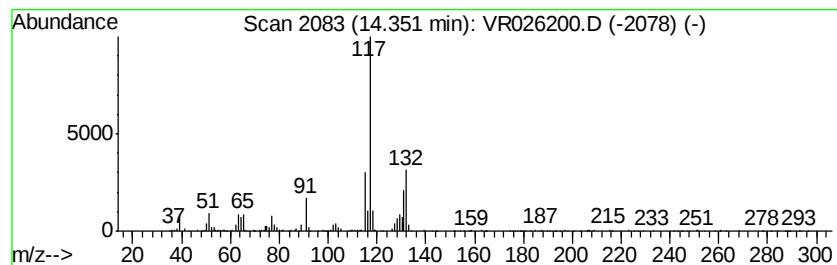
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Quant Title : TRACE VOA SOM01.0

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

Peak Number 11 1H-Indene, 2,3-dihydro-5-me... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.35	0.65 ug/L	200246	1,4-Dichlorobenzene-d4	13.22

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	93
2		3-Phenylbut-1-ene	132	C10H12	000934-10-1	90
3		1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	87
4		Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	81
5		Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	81



Data Path : Z:\voasrv\HPCHEM1\MSVOA_R\Data\VR110718\
Data File : VR026200.D
Acq On : 7 Nov 2018 12:17
Operator : SY/MD
Sample : J5801-05DL 5X
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 5 Sample Multiplier: 1

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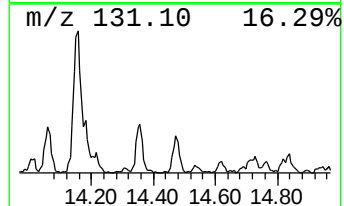
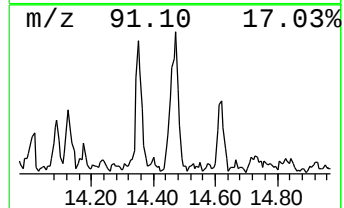
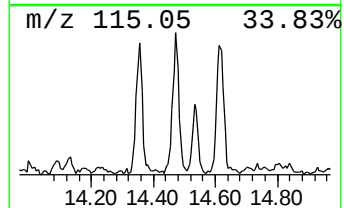
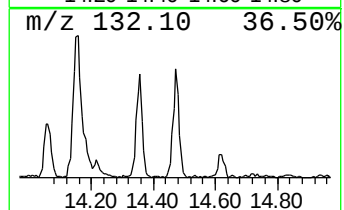
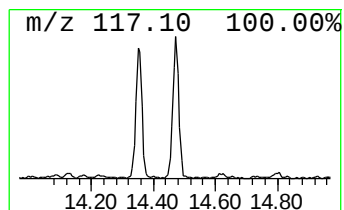
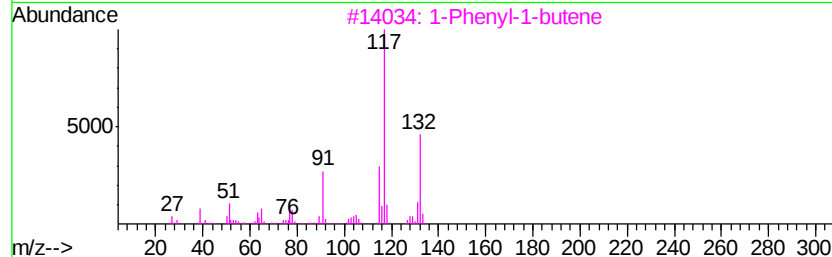
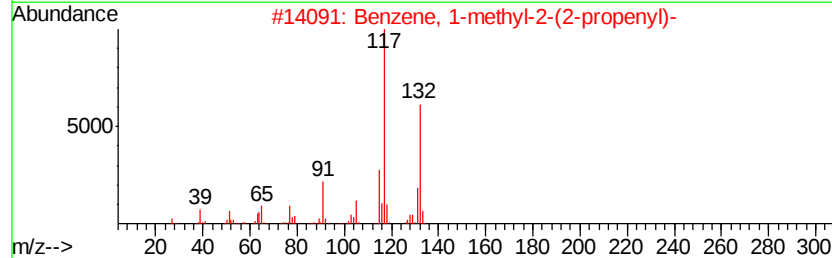
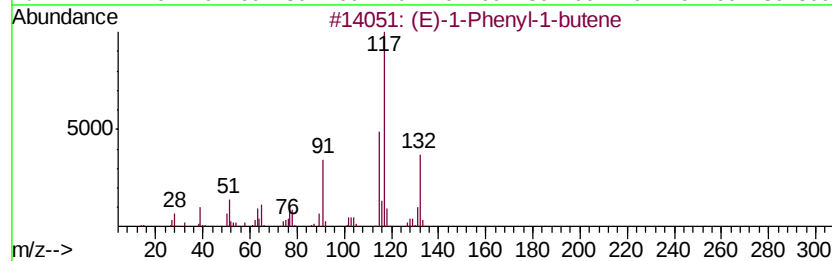
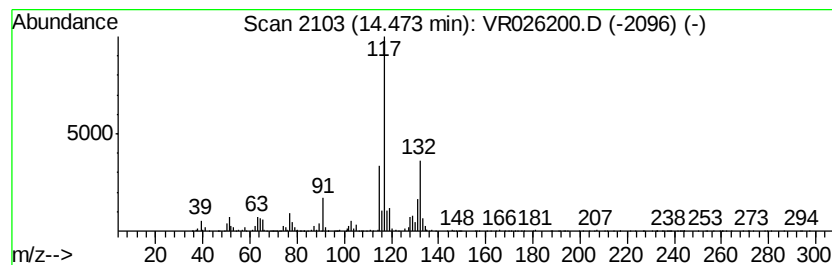
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Quant Title : TRACE VOA SOM01.0

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

Peak Number 12 (E)-1-Phenyl-1-butene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.47	0.87 ug/L	268182	1,4-Dichlorobenzene-d4	13.22

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	(E)-1-Phenyl-1-butene	132	C10H12	001005-64-7	90
2		Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	90
3		1-Phenyl-1-butene	132	C10H12	000824-90-8	90
4		Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	87
5		Benzene, 2-butenyl-	132	C10H12	001560-06-1	87



Data Path : Z:\voasrv\HPCHEM1\MSVOA_R\Data\VR110718\
Data File : VR026200.D
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Sample : J5801-05DL 5X
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ALS Vial : 5 Sample Multiplier: 1

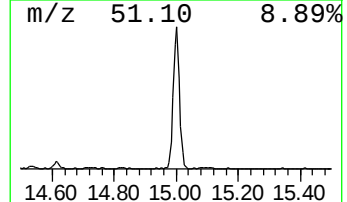
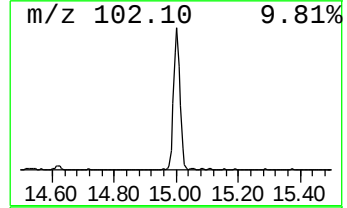
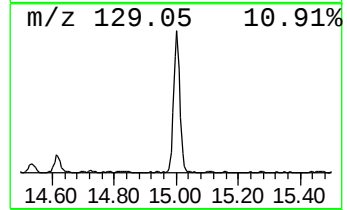
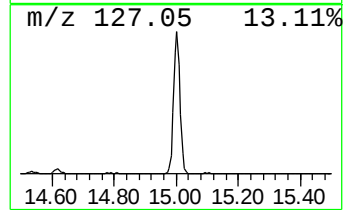
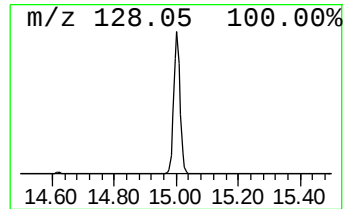
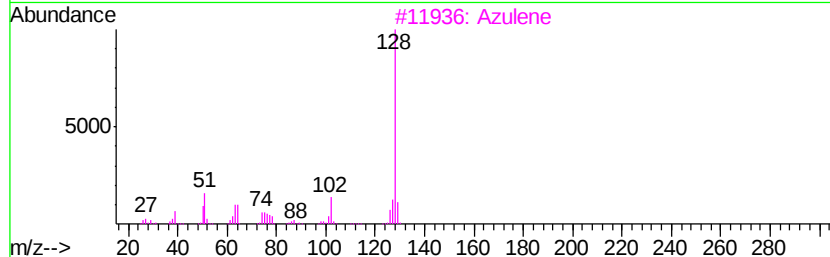
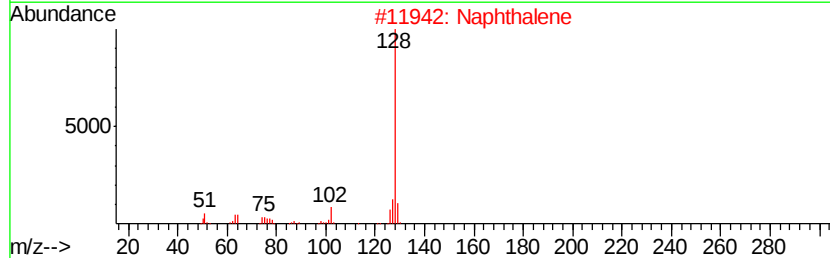
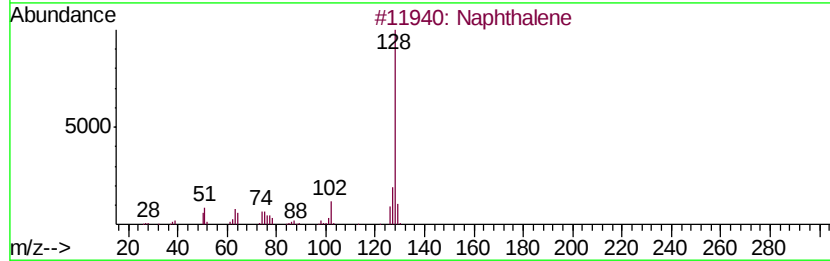
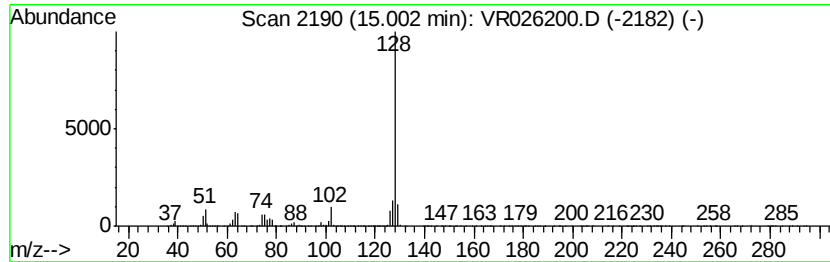
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Quant Title : TRACE VOA SOM01.0

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	7.72 ug/L	2374470	1,4-Dichlorobenzene-d4	13.22
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Naphthalene	128 C10H8	000091-20-3 97
2		Naphthalene	128 C10H8	000091-20-3 95
3		Azulene	128 C10H8	000275-51-4 94
4		1H-Indene, 1-methylene-	128 C10H8	002471-84-3 94
5		Naphthalene	128 C10H8	000091-20-3 91



Data Path : Z:\voasrv\HPCHEM1\MSVOA_R\Data\VR110718\
Data File : VR026200.D
Acq On : 7 Nov 2018 12:17
Operator : SY/MD
Sample : J5801-05DL 5X
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 5 Sample Multiplier: 1

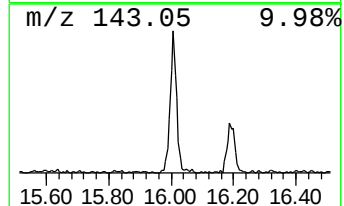
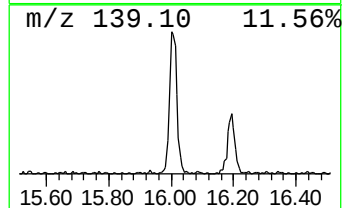
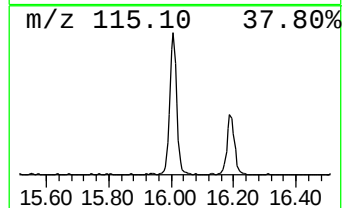
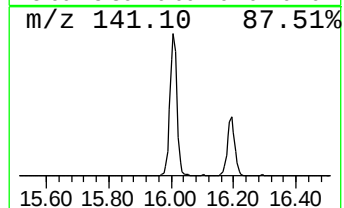
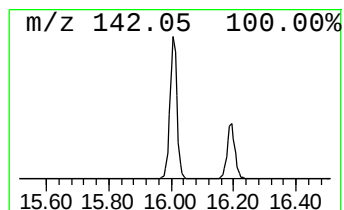
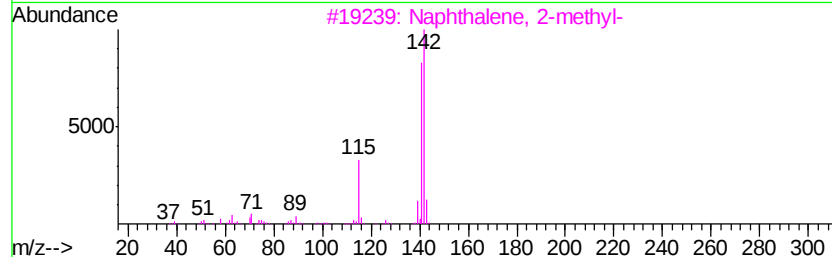
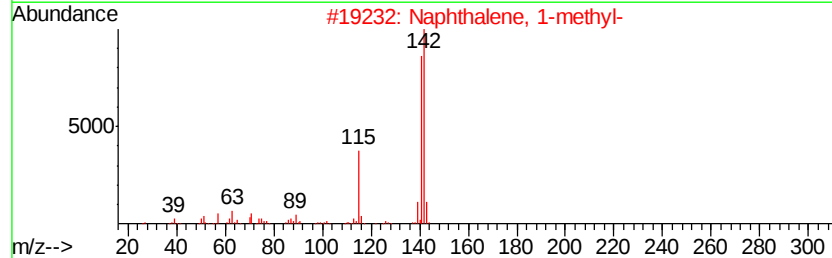
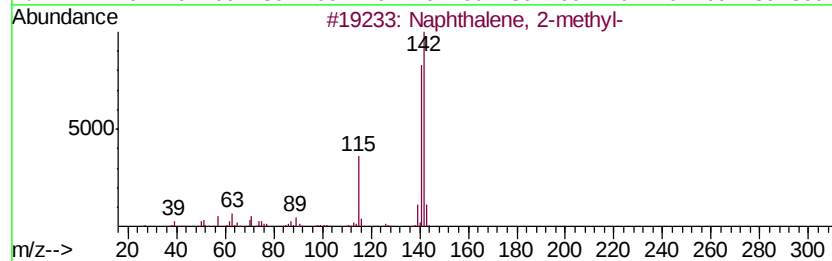
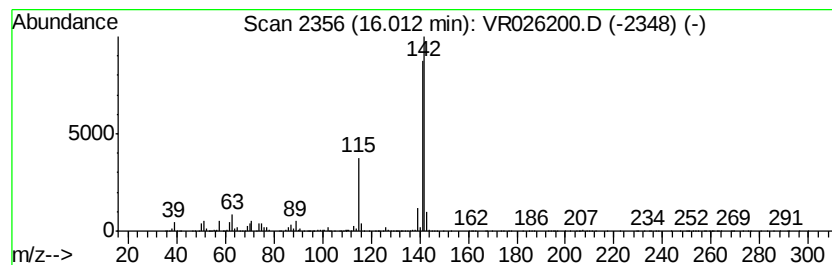
Instrument :
MSVOA_R
ClientSampled :
F9D04DL

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 14 Naphthalene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.01	2.75 ug/L	845240	1,4-Dichlorobenzene-d4	13.22
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Naphthalene, 2-methyl-	142 C11H10	000091-57-6 96
2		Naphthalene, 1-methyl-	142 C11H10	000090-12-0 96
3		Naphthalene, 2-methyl-	142 C11H10	000091-57-6 94
4		Naphthalene, 1-methyl-	142 C11H10	000090-12-0 94
5		1,4-Methanonaphthalene, 1,4-dihy...	142 C11H10	004453-90-1 93



Data Path : Z:\voasrv\HPCHEM1\MSVOA_R\Data\VR110718\
 Data File : VR026200.D
 Acq On : 7 Nov 2018 12:17
 Operator : SY/MD
 Sample : J5801-05DL 5X
 Misc : 25mL/MSVOA_R/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 F9D04DL

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	182355	1	8.46	1571830	5.0
(DEL) Alkane: Cyc...	6.47	0.8	ug/L	240705	1	8.46	1571830	5.0
Benzene, 1-ethyl-...	12.54	1.8	ug/L	558142	3	13.22	1537620	5.0
Benzene, 1-ethyl-...	12.57	1.0	ug/L	298364	3	13.22	1537620	5.0
Benzene, 1,2,3-tr...	12.61	1.6	ug/L	478996	3	13.22	1537620	5.0
Indane	13.42	43.8	ug/L	13471600	3	13.22	1537620	5.0
1-Phenyl-1-butene	13.87	0.6	ug/L	173849	3	13.22	1537620	5.0
Benzofuran, 2-met...	14.15	0.7	ug/L	228321	3	13.22	1537620	5.0
1H-Indene, 2,3-di...	14.35	0.7	ug/L	200246	3	13.22	1537620	5.0
(E)-1-Phenyl-1-bu...	14.47	0.9	ug/L	268182	3	13.22	1537620	5.0
Azulene	15.00	7.7	ug/L	2374470	3	13.22	1537620	5.0
Naphthalene, 1-me...	16.01	2.8	ug/L	845240	3	13.22	1537620	5.0