

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX122618\
 Data File : VX006818.D
 Acq On : 26 Dec 2018 15:09
 Operator : JC/MD
 Sample : J6575-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS-122618-A

Quant Time: Dec 27 09:10:07 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 19 15:20:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	889520	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	1295751	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	1192013	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	530355	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	398309	41.55	ug/l	0.00
Spiked Amount			Recovery	=	83.10%	
35) Dibromofluoromethane	5.49	113	343618	41.93	ug/l	0.00
Spiked Amount			Recovery	=	83.86%	
50) Toluene-d8	8.71	98	1558864	50.46	ug/l	0.00
Spiked Amount			Recovery	=	100.92%	
62) 4-Bromofluorobenzene	11.13	95	521624	46.10	ug/l	0.00
Spiked Amount			Recovery	=	92.20%	

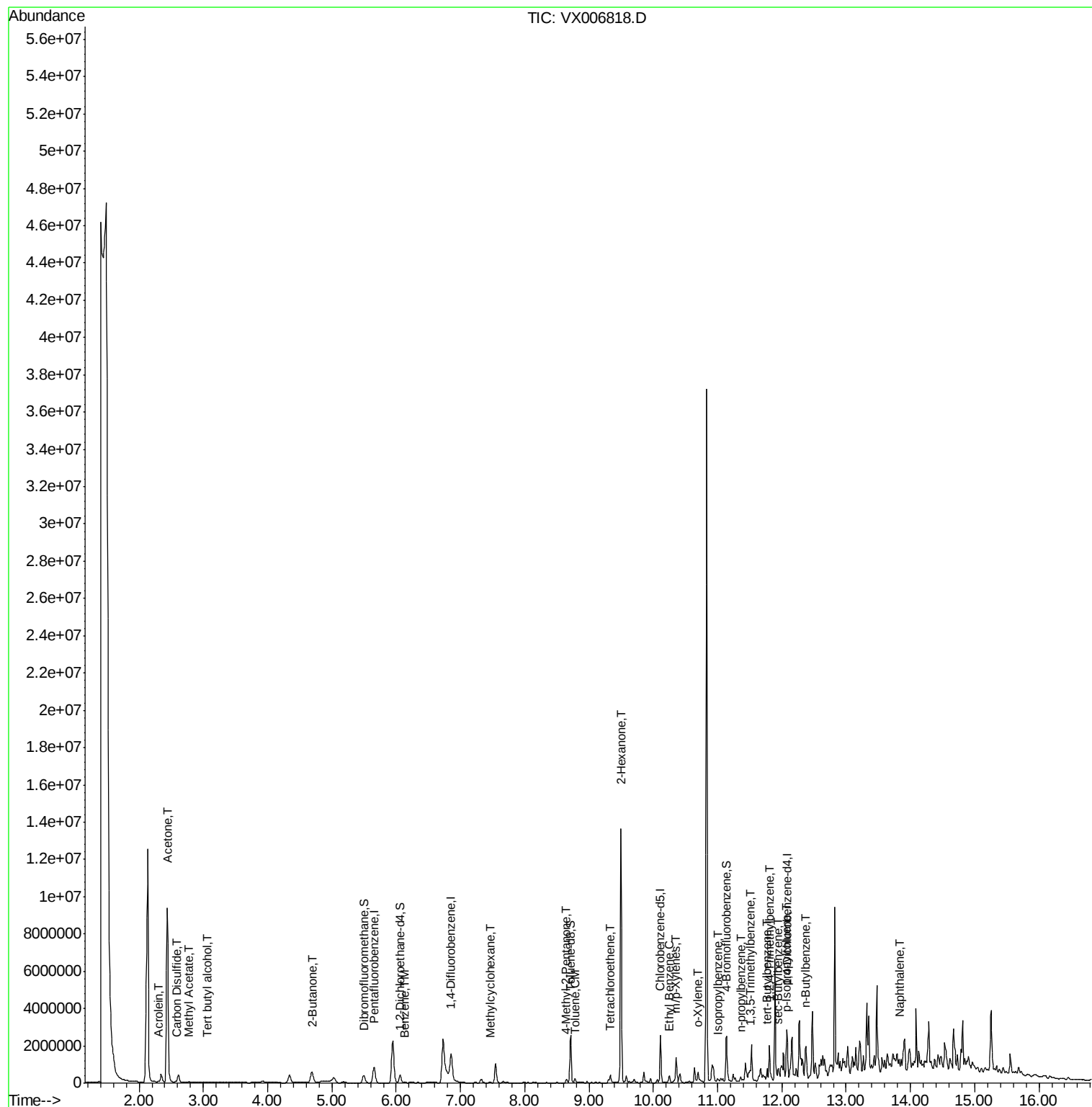
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.06	59	49869	23.308	ug/l	100
13) Acrolein	2.30	56	28382	19.664	ug/l #	62
16) Acetone	2.44	43	10289386	2336.104	ug/l	97
17) Carbon Disulfide	2.57	76	78904	3.752	ug/l	100
18) Methyl Acetate	2.78	43	62534	4.828	ug/l	96
25) 2-Butanone	4.69	43	1054611	170.223	ug/l	100
39) Methylcyclohexane	7.46	83	10660	0.754	ug/l	88
40) Benzene	6.13	78	43062	1.320	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	114482	10.587	ug/l	98
52) Toluene	8.78	92	74844	3.551	ug/l	100
59) 2-Hexanone	9.50	43	7265337	878.119	ug/l	100
64) Tetrachloroethene	9.33	164	82947	8.788	ug/l	97
67) Ethyl Benzene	10.25	91	193997	4.708	ug/l	100
68) m/p-Xylenes	10.35	106	314856	19.363	ug/l	98
69) o-Xylene	10.69	106	124128	7.730	ug/l	97
73) Isopropylbenzene	11.02	105	40942	1.128	ug/l	96
78) n-propylbenzene	11.36	91	159468	3.991	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	195865	6.554	ug/l	99
83) tert-Butylbenzene	11.77	119	15021	0.502	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	729197	23.198	ug/l	99
85) sec-Butylbenzene	11.94	105	87248	2.379	ug/l	81
86) p-Isopropyltoluene	12.06	119	95674	2.968	ug/l	98
89) n-Butylbenzene	12.38	91	263256	9.596	ug/l #	49
95) Naphthalene	13.83	128	155193	3.986	ug/l #	84

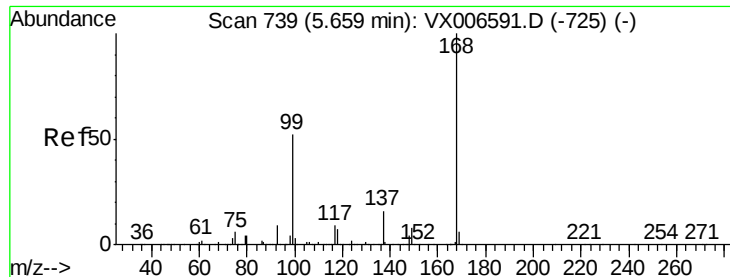
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 27 09:10:07 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
Quant Title : SW846 8260
QLast Update : Wed Dec 19 15:20:58 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.00 min

Lab File: VX006818.D

Acq: 26 Dec 2018 15:09

Instrument :

MSVOA_X

ClientSampleId :

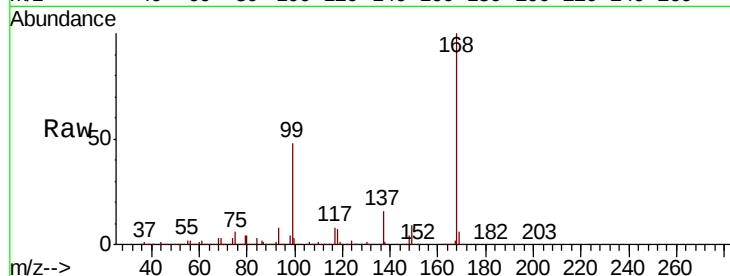
SS-122618-A

Tot Ion:168 Resp: 889520

Ion Ratio Lower Upper

168 100

99 47.5 41.8 62.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

300000

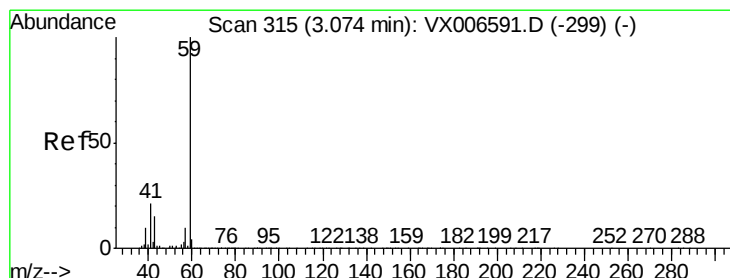
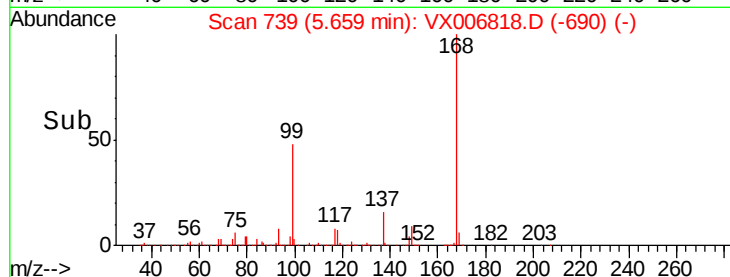
200000

100000

0

Time-->

5.50 5.60 5.70 5.80



#11

Tert butyl alcohol

Concen: 23.308 ug/l

RT: 3.06 min Scan# 312

Delta R.T. -0.02 min

Lab File: VX006818.D

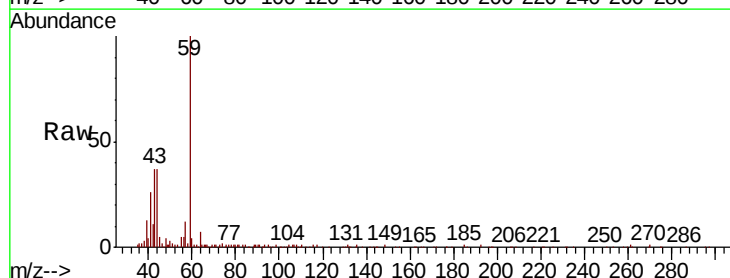
Acq: 26 Dec 2018 15:09

Tgt Ion: 59 Resp: 49869

Ion Ratio Lower Upper

59 100

57 10.4 8.5 12.7



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.06

25000

20000

15000

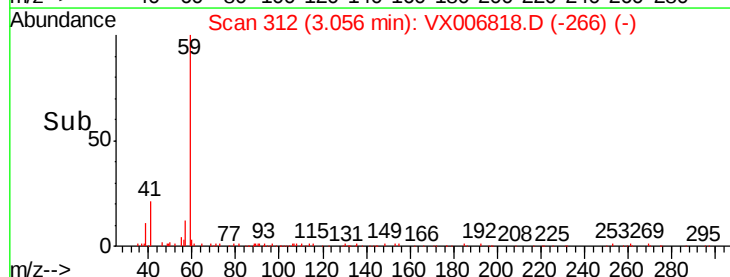
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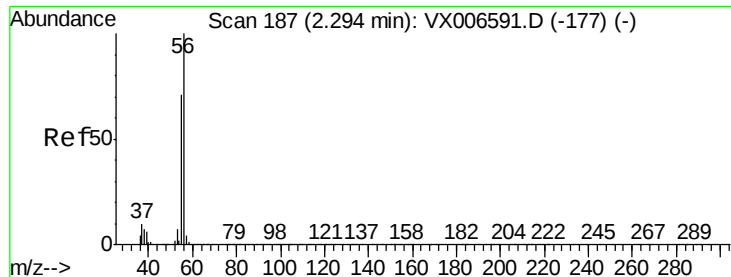
5000

0

Time-->

3.00 3.10 3.20

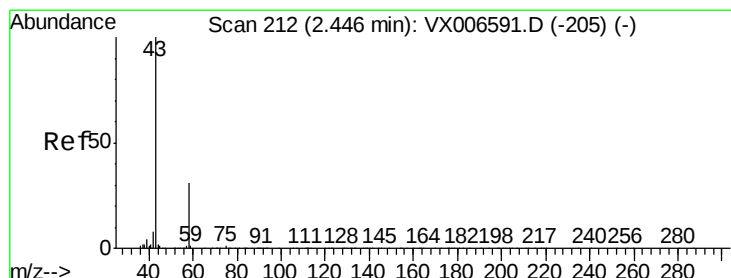
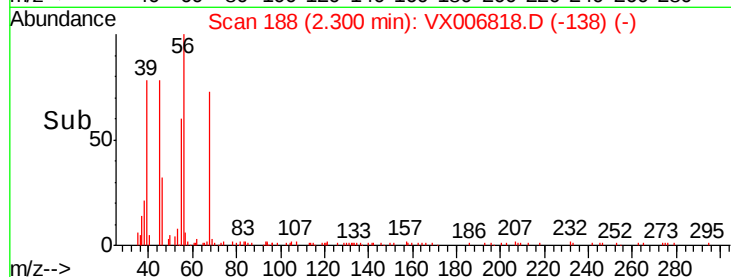
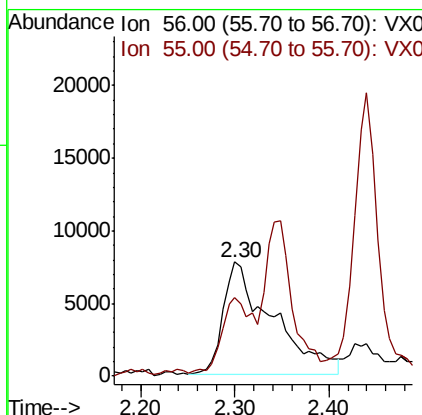
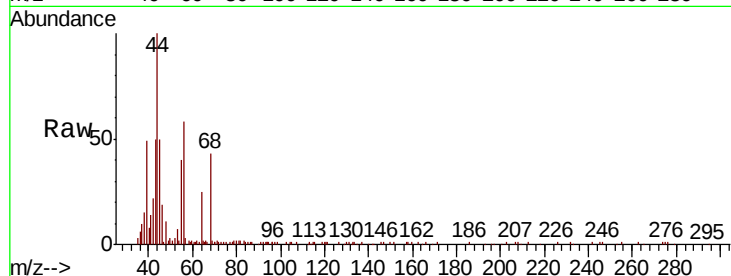




#13
Acrolein
Concen: 19.664 ug/l
RT: 2.30 min Scan# 188
Delta R.T. 0.01 min
Lab File: VX006818.D
Acq: 26 Dec 2018 15:09

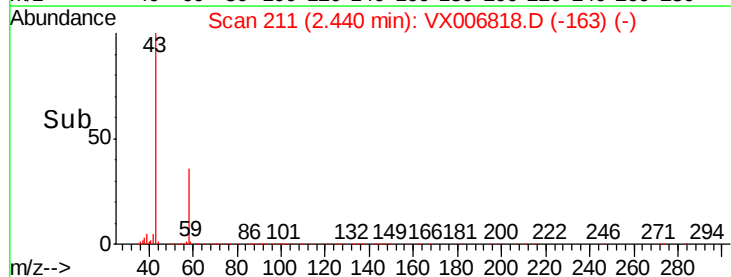
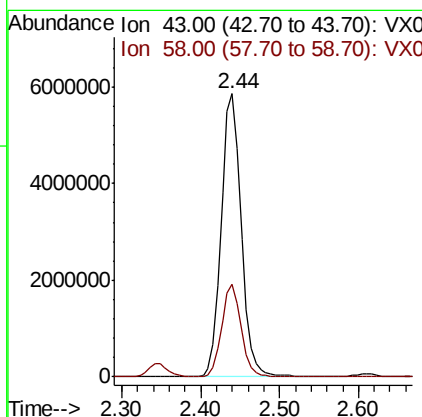
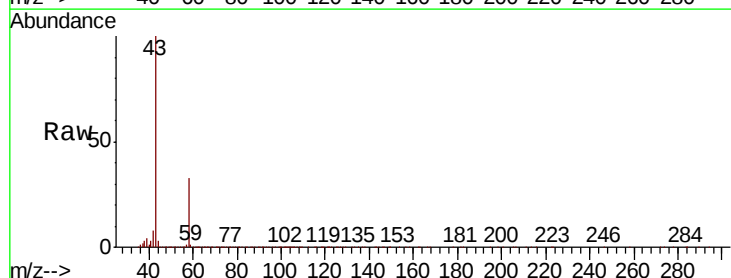
Instrument :
MSVOA_X
ClientSampleId :
SS-122618-A

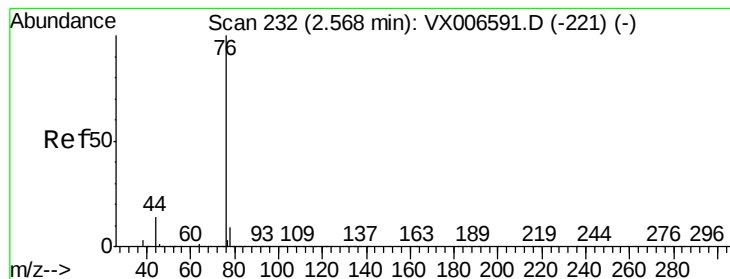
Tot Ion: 56 Resp: 28382
Ion Ratio Lower Upper
56 100
55 40.8 58.2 87.4#



#16
Acetone
Concen: 2336.104 ug/l
RT: 2.44 min Scan# 211
Delta R.T. -0.01 min
Lab File: VX006818.D
Acq: 26 Dec 2018 15:09

Tgt Ion: 43 Resp: 10289386
Ion Ratio Lower Upper
43 100
58 32.7 25.0 37.6





#17

Carbon Disulfide

Concen: 3.752 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX006818.D

Acq: 26 Dec 2018 15:09

Instrument :

MSVOA_X

ClientSampleId :

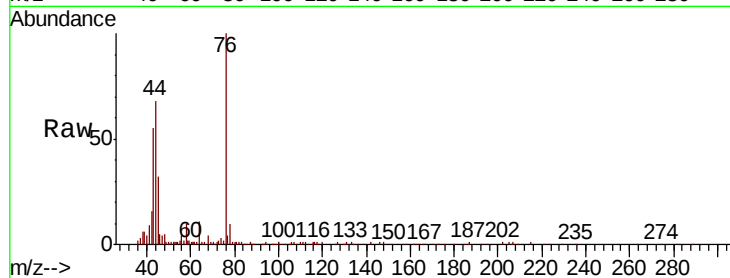
SS-122618-A

Tot Ion: 76 Resp: 78904

Ion Ratio Lower Upper

76 100

78 8.7 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

20000

15000

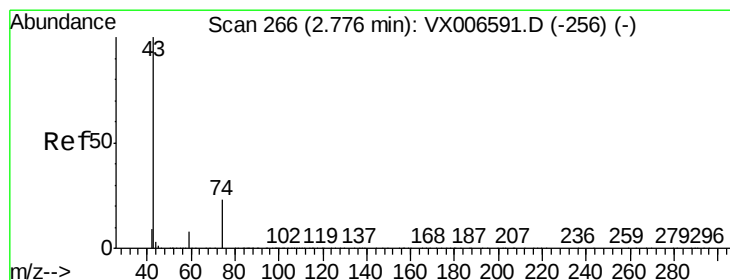
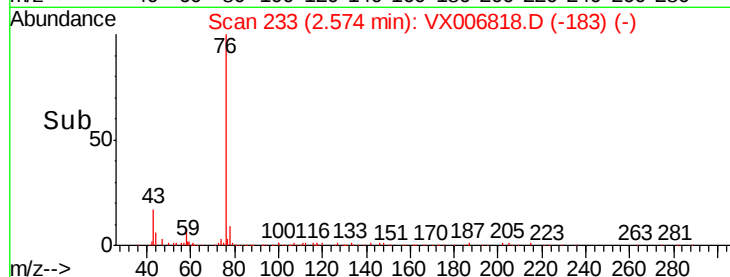
10000

5000

0

Time-->

2.50 2.60 2.70



#18

Methyl Acetate

Concen: 4.828 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.00 min

Lab File: VX006818.D

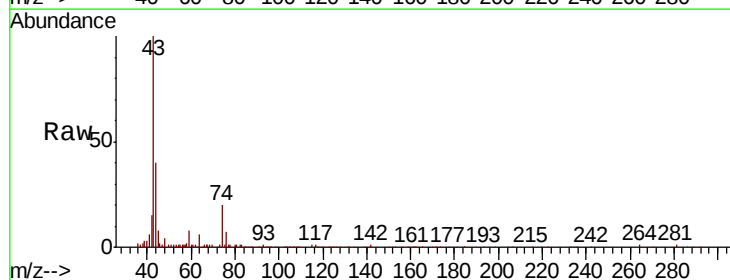
Acq: 26 Dec 2018 15:09

Tgt Ion: 43 Resp: 62534

Ion Ratio Lower Upper

43 100

74 21.5 18.6 28.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

30000

25000

20000

15000

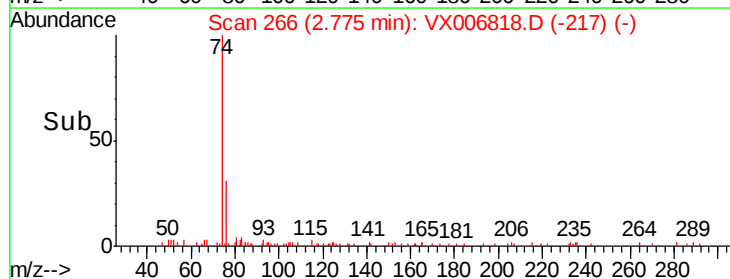
10000

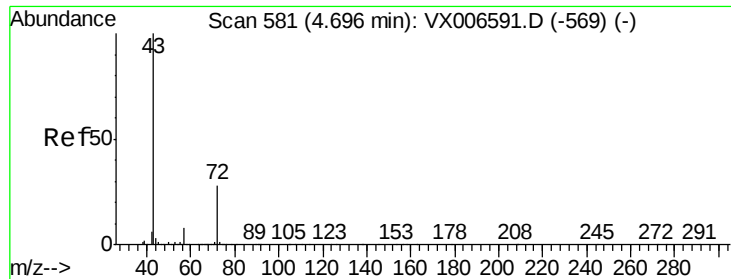
5000

0

Time-->

2.70 2.75 2.80 2.85 2.90





#25

2-Butanone

Concen: 170.223 ug/l

RT: 4.69 min Scan# 580

Delta R.T. -0.01 min

Lab File: VX006818.D

Acq: 26 Dec 2018 15:09

Instrument :

MSVOA_X

ClientSampleId :

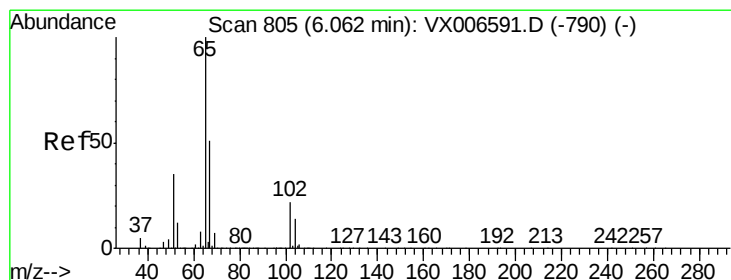
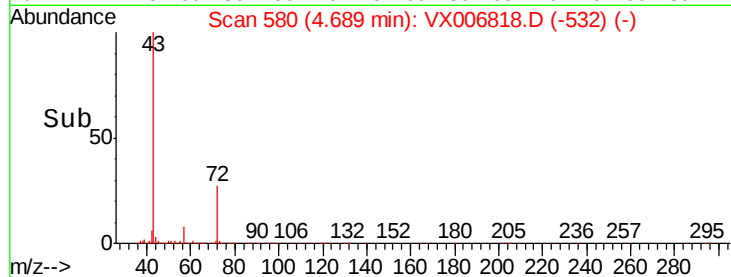
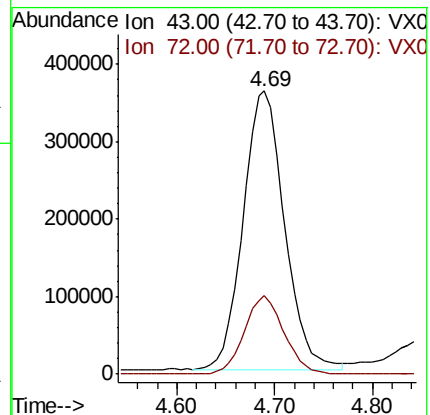
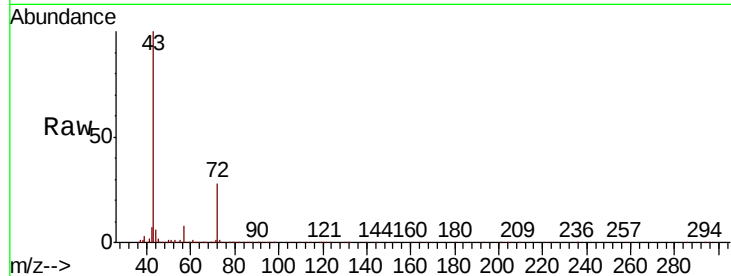
SS-122618-A

Tot Ion: 43 Resp: 1054611

Ion Ratio Lower Upper

43 100

72 28.0 22.4 33.6



#33

1,2-Dichloroethane-d4

Concen: 41.547 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX006818.D

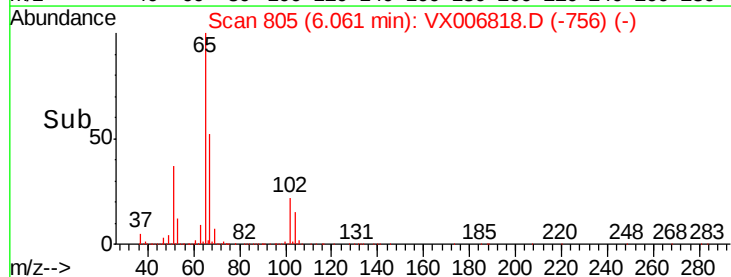
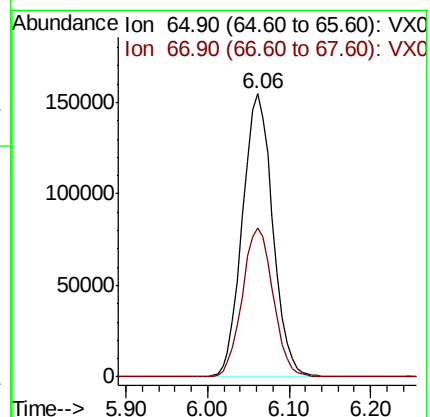
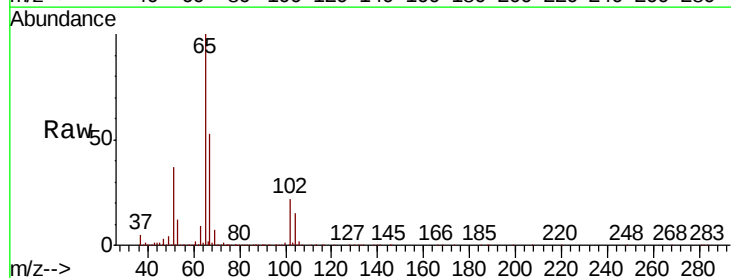
Acq: 26 Dec 2018 15:09

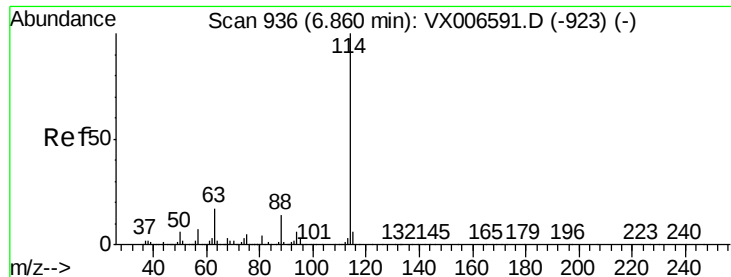
Tgt Ion: 65 Resp: 398309

Ion Ratio Lower Upper

65 100

67 53.6 0.0 105.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX006818.D

Acq: 26 Dec 2018 15:09

Instrument :

MSVOA_X

ClientSampleId :

SS-122618-A

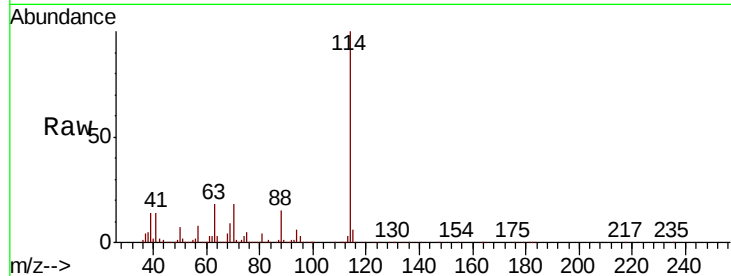
Tot Ion:114 Resp: 1295751

Ion Ratio Lower Upper

114 100

63 17.7 0.0 34.8

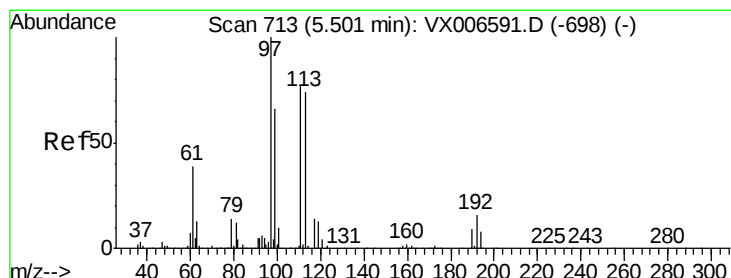
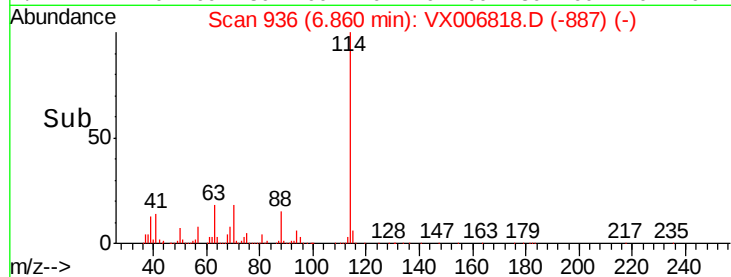
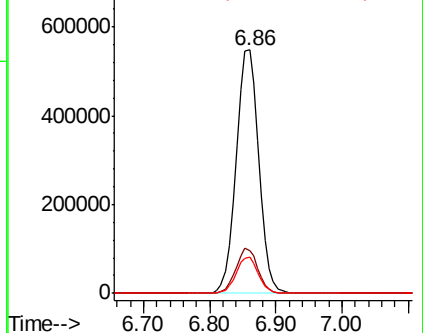
88 14.8 0.0 28.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 41.935 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.01 min

Lab File: VX006818.D

Acq: 26 Dec 2018 15:09

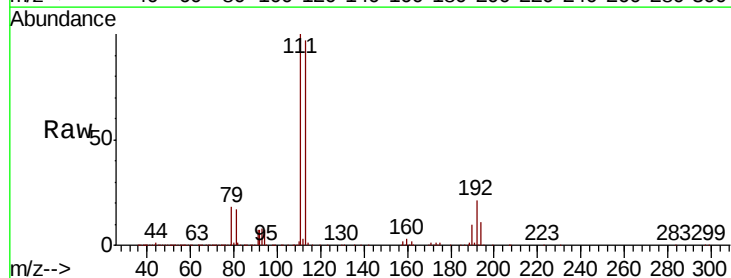
Tgt Ion:113 Resp: 343618

Ion Ratio Lower Upper

113 100

111 101.7 81.6 122.4

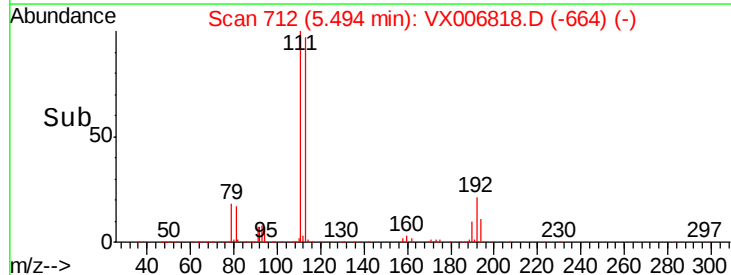
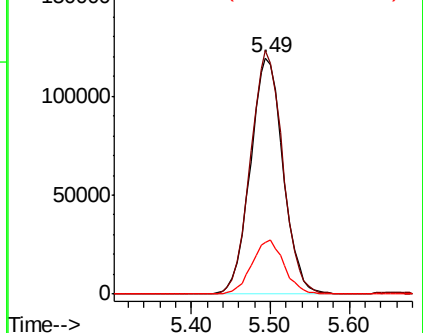
192 22.7 16.7 25.1

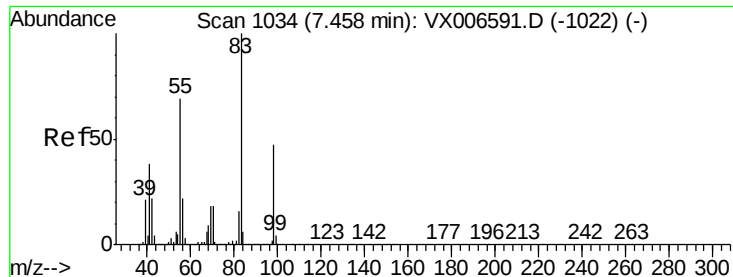


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

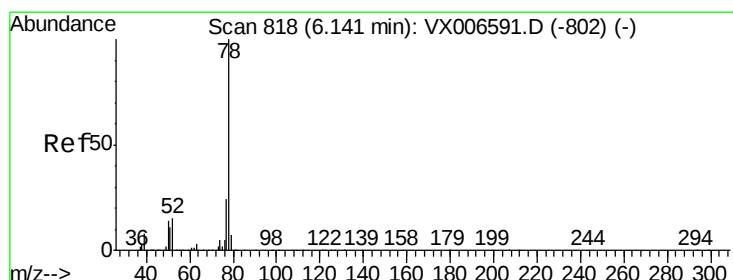
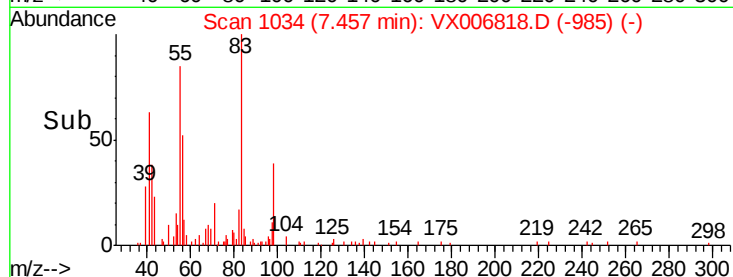
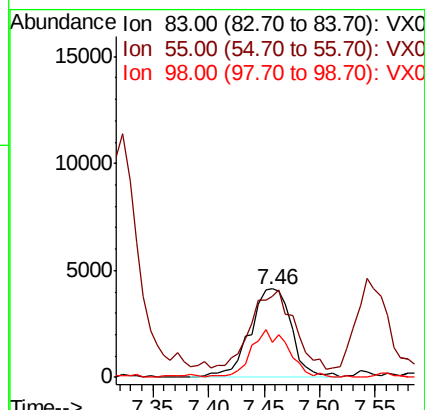
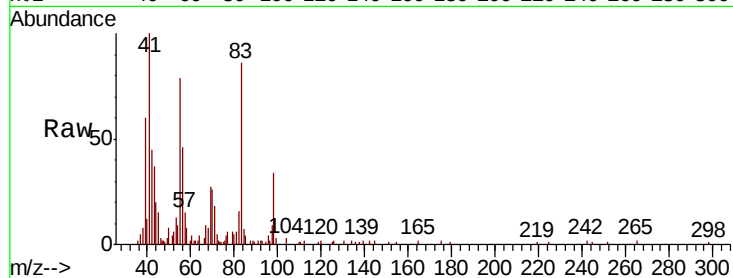




#39
Methvlcvclohexane
Concen: 0.754 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.00 min
Lab File: VX006818.D
Acq: 26 Dec 2018 15:09

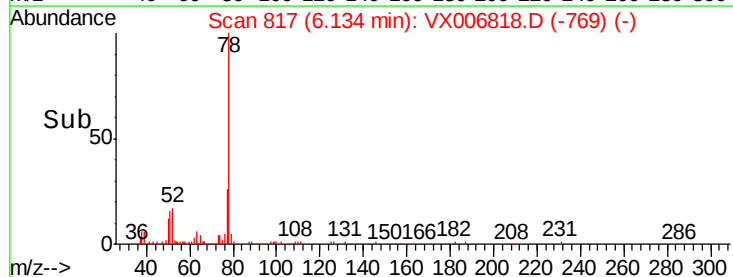
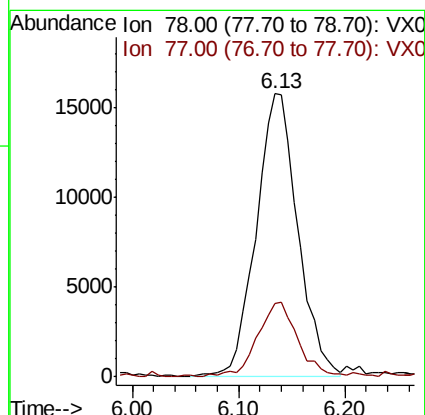
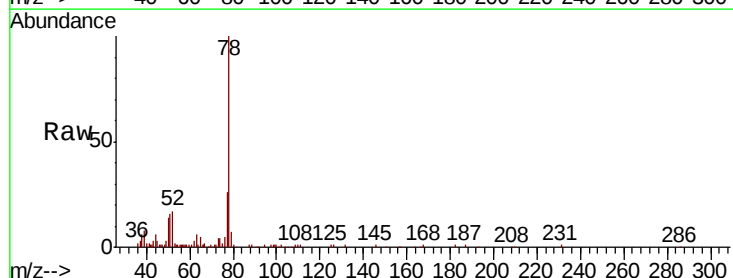
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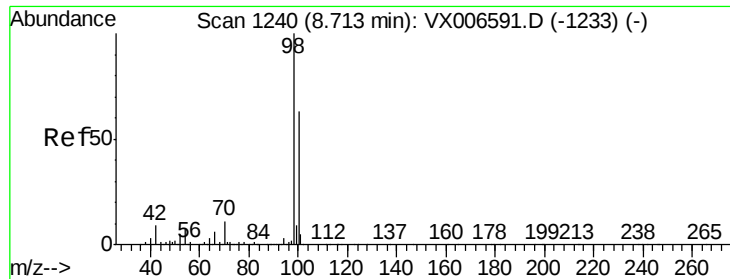
Tot Ion: 83 Resp: 10660
Ion Ratio Lower Upper
83 100
55 78.7 54.9 82.3
98 39.7 37.9 56.9



#40
Benzene
Concen: 1.320 ug/l
RT: 6.13 min Scan# 817
Delta R.T. -0.01 min
Lab File: VX006818.D
Acq: 26 Dec 2018 15:09

Tgt Ion: 78 Resp: 43062
Ion Ratio Lower Upper
78 100
77 25.4 19.2 28.8





#50

Toluene-d8

Concen: 50.462 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX006818.D

Acq: 26 Dec 2018 15:09

Instrument :

MSVOA_X

ClientSampled :

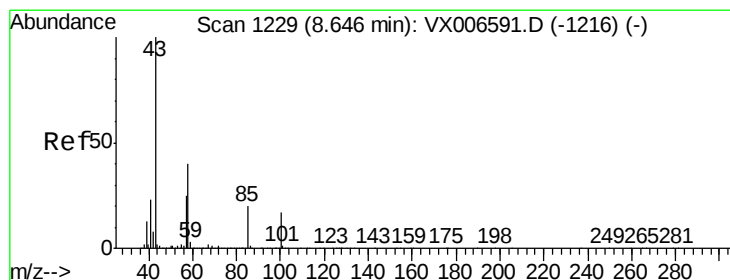
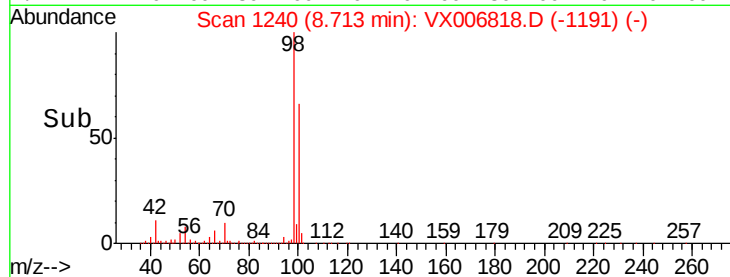
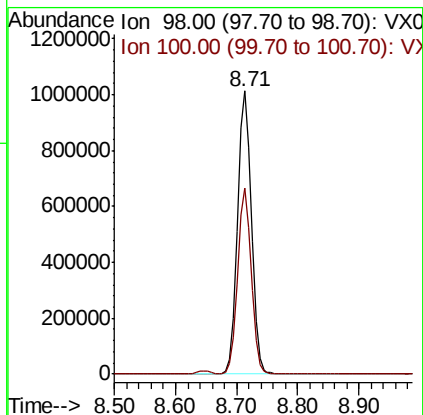
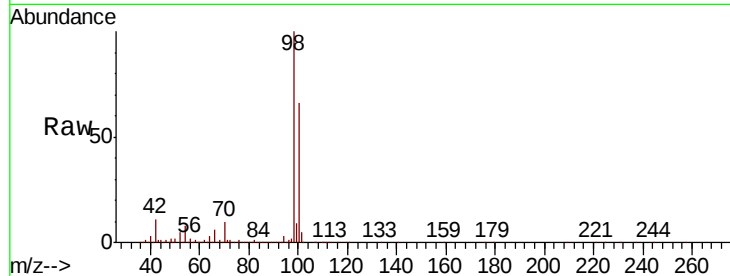
SS-122618-A

Tot Ion: 98 Resp: 1558864

Ion Ratio Lower Upper

98 100

100 63.7 52.0 78.0



#51

4-Methyl-2-Pentanone

Concen: 10.587 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. -0.00 min

Lab File: VX006818.D

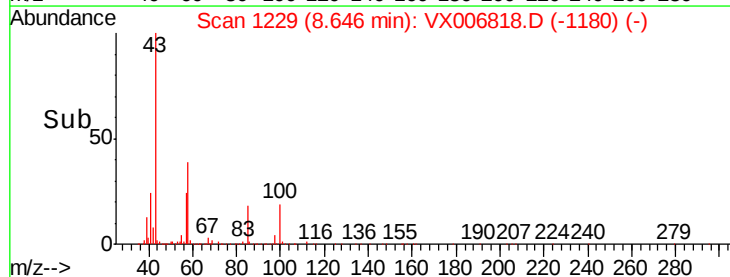
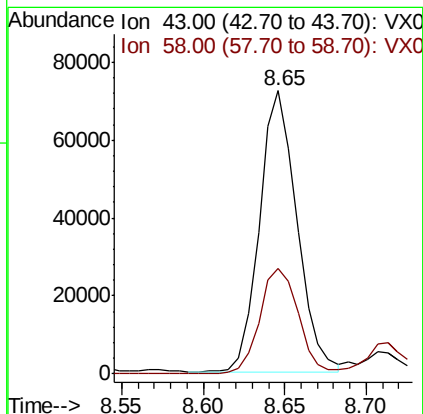
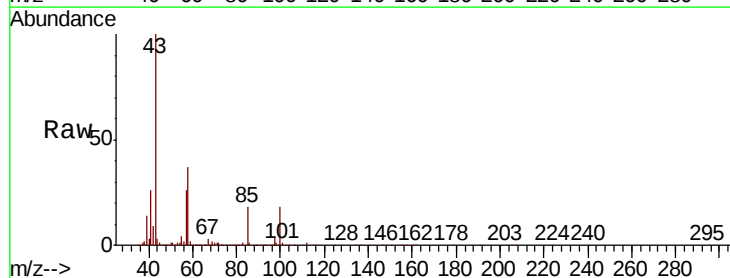
Acq: 26 Dec 2018 15:09

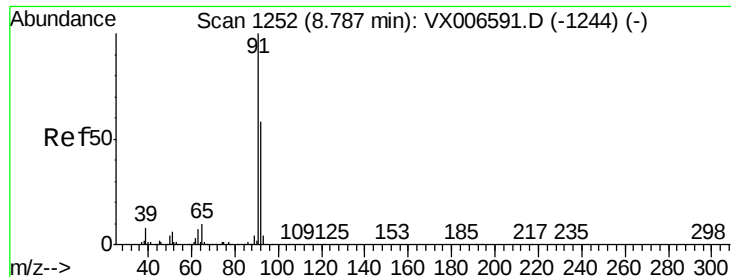
Tgt Ion: 43 Resp: 114482

Ion Ratio Lower Upper

43 100

58 38.7 31.8 47.6





#52

Toluene

Concen: 3.551 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX006818.D

Acq: 26 Dec 2018 15:09

Instrument :

MSVOA_X

ClientSampleId :

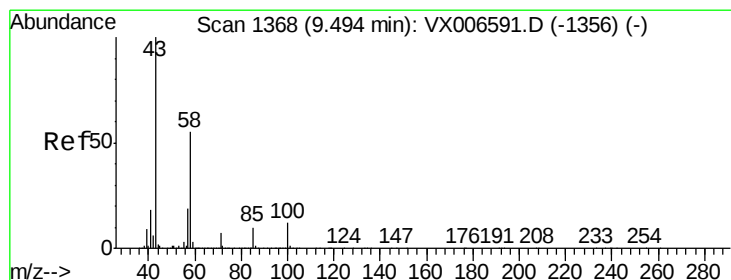
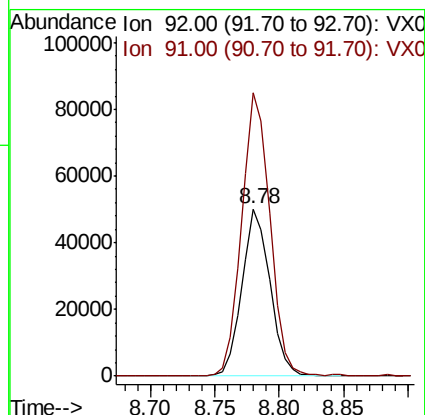
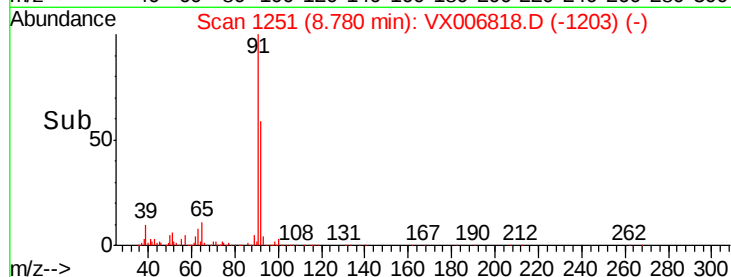
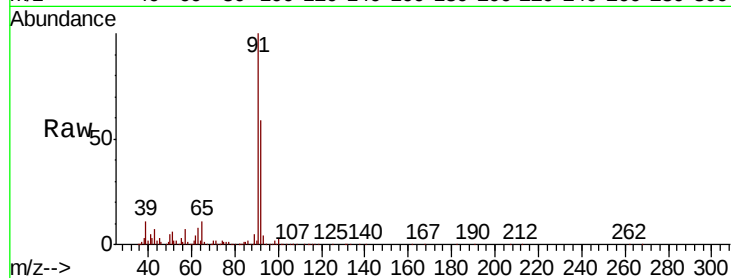
SS-122618-A

Tot Ion: 92 Resp: 74844

Ion Ratio Lower Upper

92 100

91 172.1 137.6 206.4



#59

2-Hexanone

Concen: 878.119 ug/l

RT: 9.50 min Scan# 1369

Delta R.T. 0.01 min

Lab File: VX006818.D

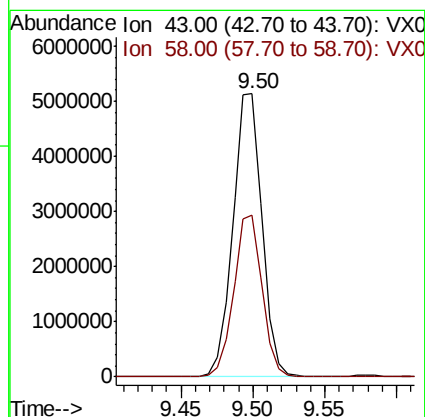
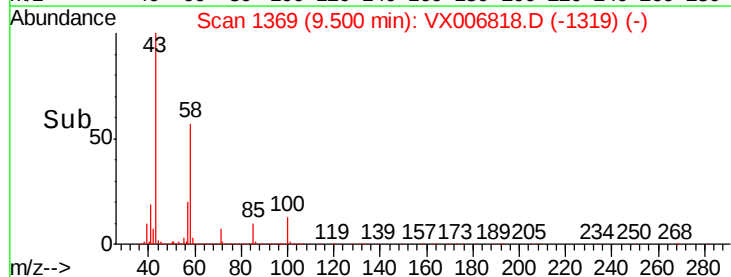
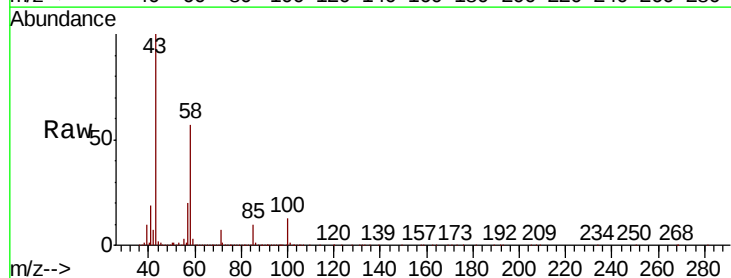
Acq: 26 Dec 2018 15:09

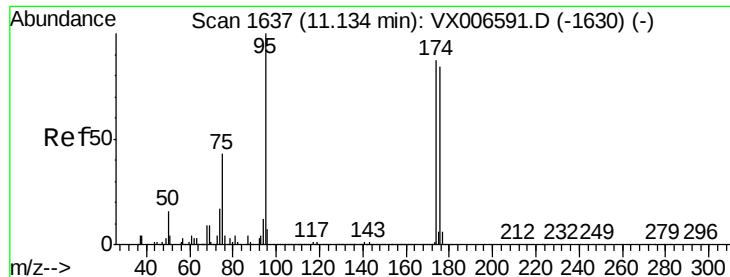
Tgt Ion: 43 Resp: 7265337

Ion Ratio Lower Upper

43 100

58 55.8 27.7 83.1

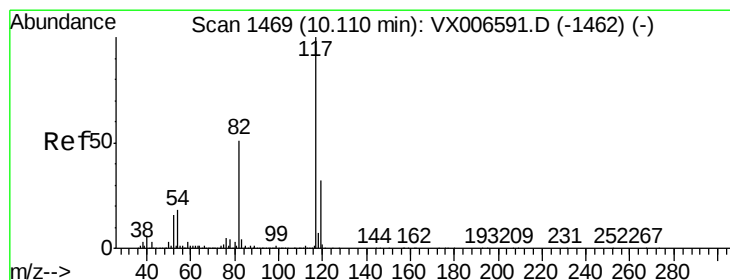
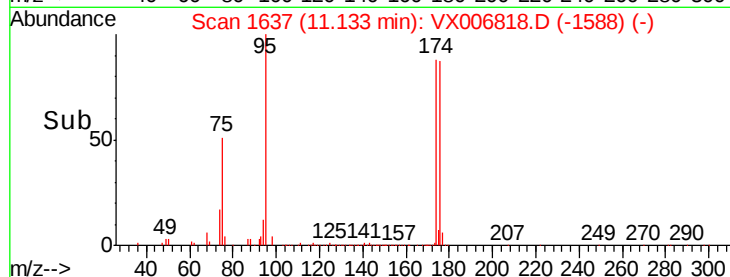
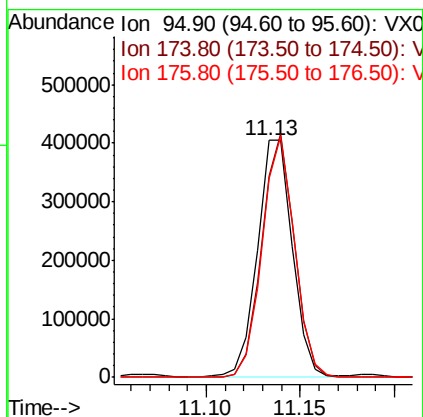
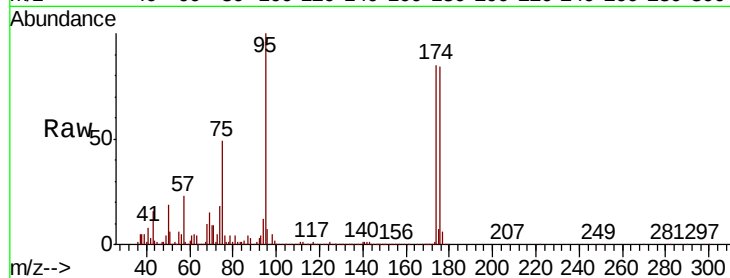




#62
4-Bromofluorobenzene
Concen: 46.105 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX006818.D
Acq: 26 Dec 2018 15:09

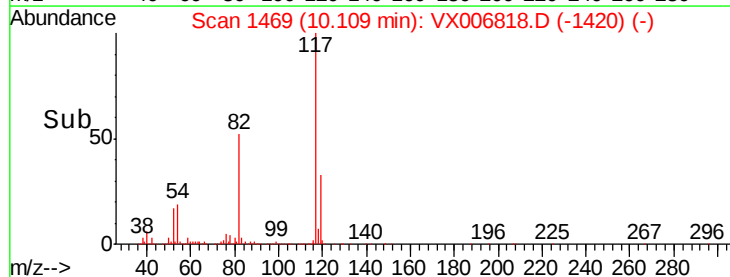
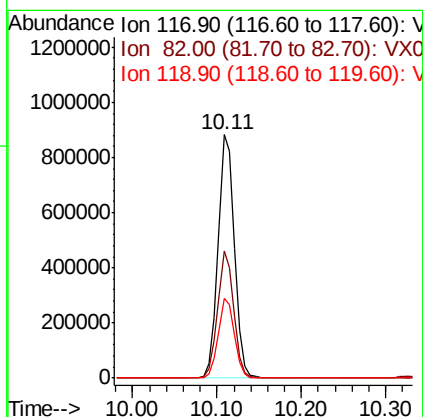
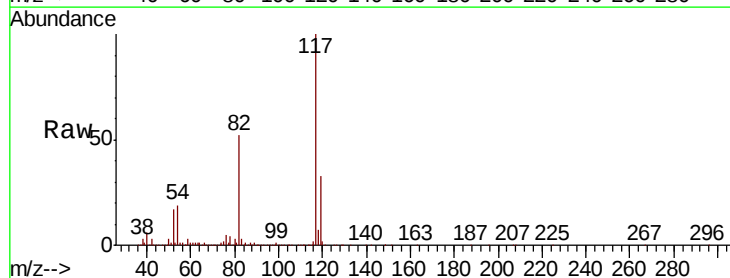
Instrument :
MSVOA_X
ClientSampleId :
SS-122618-A

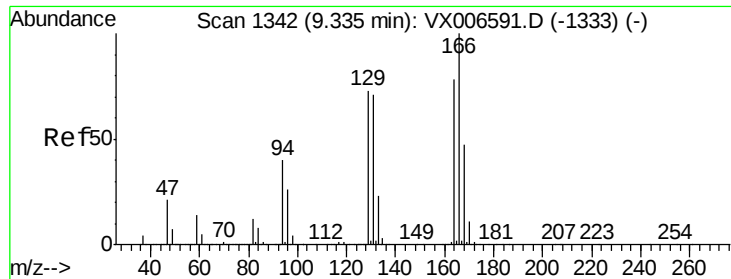
Tot Ion	Ratio	Lower	Upper
95	100		
174	95.2	0.0	182.2
176	93.8	0.0	178.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX006818.D
Acq: 26 Dec 2018 15:09

Tgt Ion	Ratio	Lower	Upper
117	100		
82	52.0	41.0	61.6
119	32.6	25.4	38.0





#64

Tetrachloroethene

Concen: 8.788 ug/l

RT: 9.33 min Scan# 1342

Delta R.T. -0.00 min

Lab File: VX006818.D

Acq: 26 Dec 2018 15:09

Instrument :

MSVOA_X

ClientSampleId :

SS-122618-A

Tot Ion:164 Resp: 82947

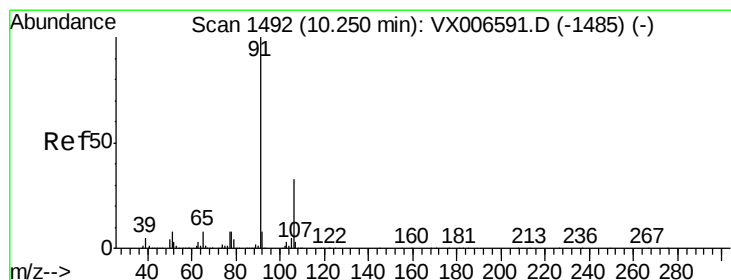
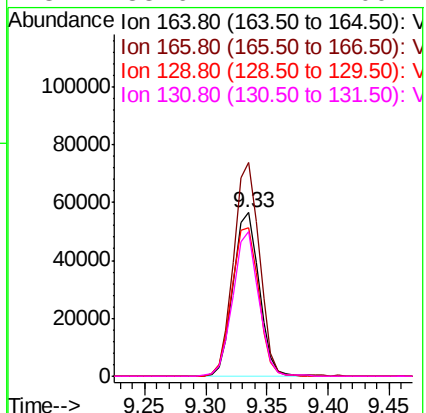
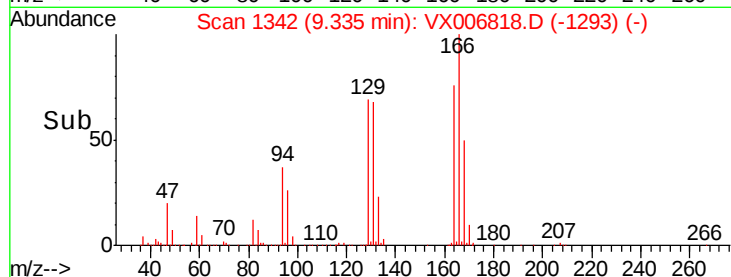
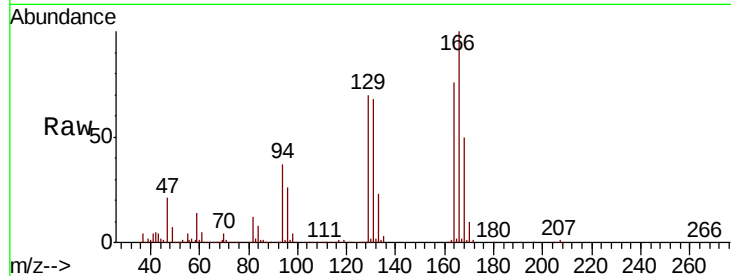
Ion Ratio Lower Upper

164 100

166 130.6 102.5 153.7

129 90.8 75.1 112.7

131 88.6 72.7 109.1



#67

Ethyl Benzene

Concen: 4.708 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX006818.D

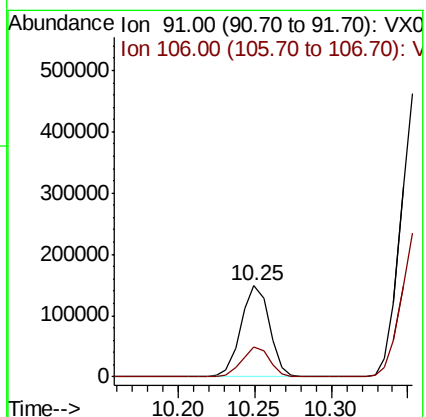
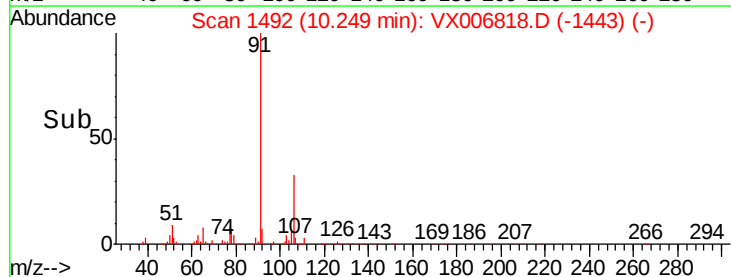
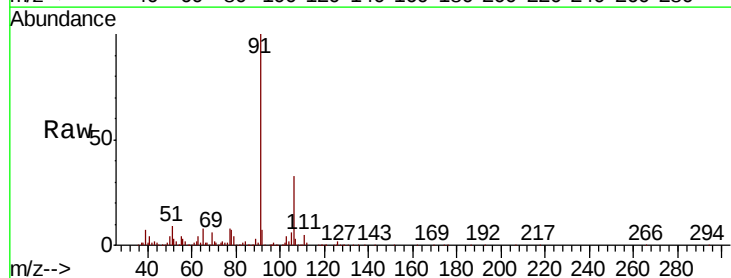
Acq: 26 Dec 2018 15:09

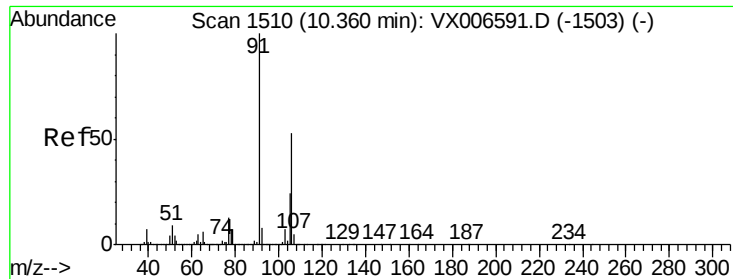
Tgt Ion: 91 Resp: 193997

Ion Ratio Lower Upper

91 100

106 32.9 26.4 39.6





#68

m/p-Xylenes

Concen: 19.363 ug/l

RT: 10.35 min Scan# 1509

Delta R.T. -0.01 min

Lab File: VX006818.D

Acq: 26 Dec 2018 15:09

Instrument :

MSVOA_X

ClientSampleId :

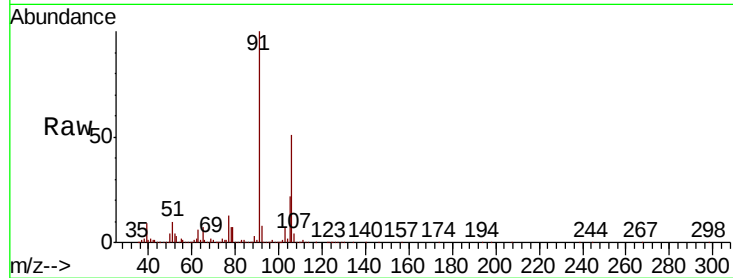
SS-122618-A

Tot Ion:106 Resp: 314856

Ion Ratio Lower Upper

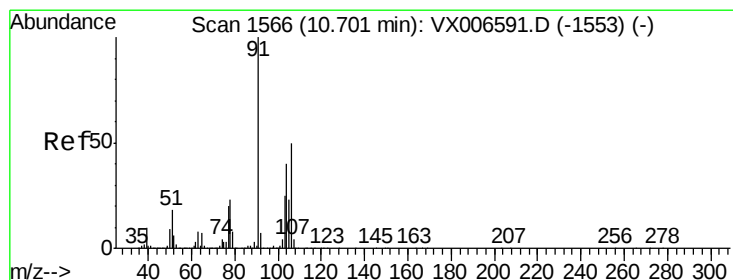
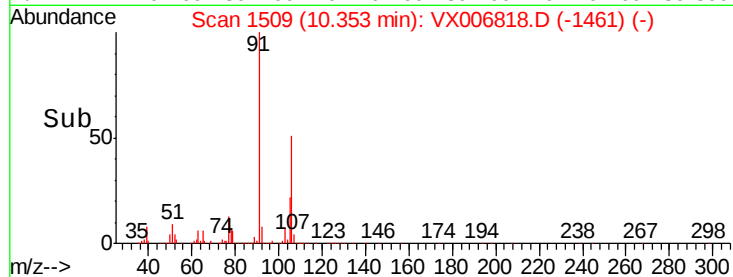
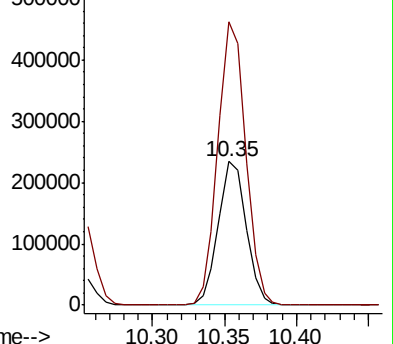
106 100

91 197.0 155.8 233.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#69

o-Xylene

Concen: 7.730 ug/l

RT: 10.69 min Scan# 1565

Delta R.T. -0.01 min

Lab File: VX006818.D

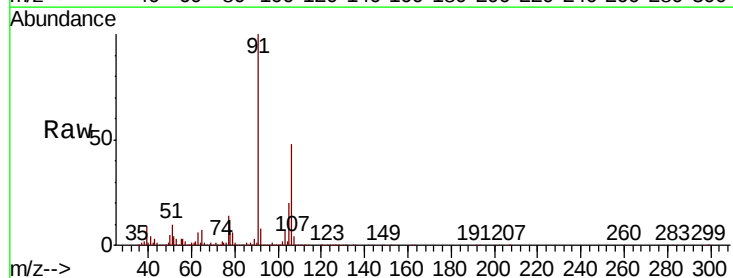
Acq: 26 Dec 2018 15:09

Tgt Ion:106 Resp: 124128

Ion Ratio Lower Upper

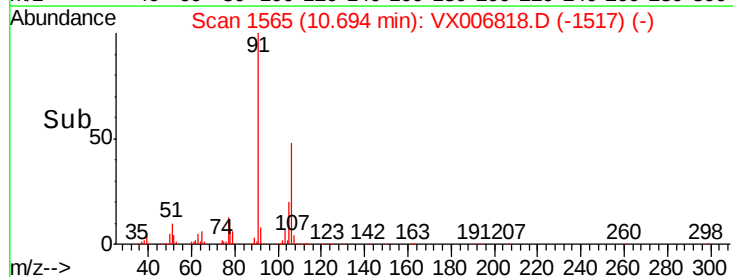
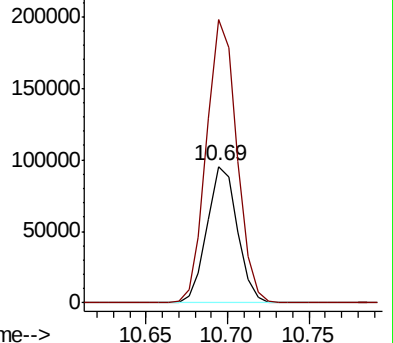
106 100

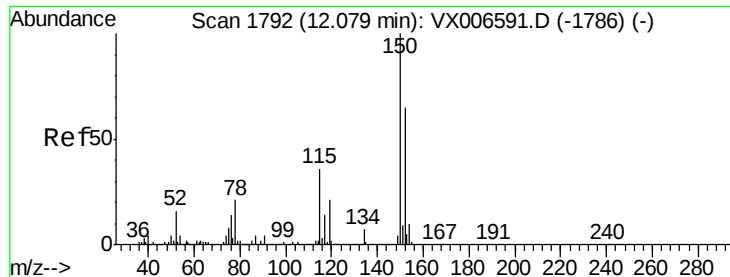
91 206.5 101.3 303.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



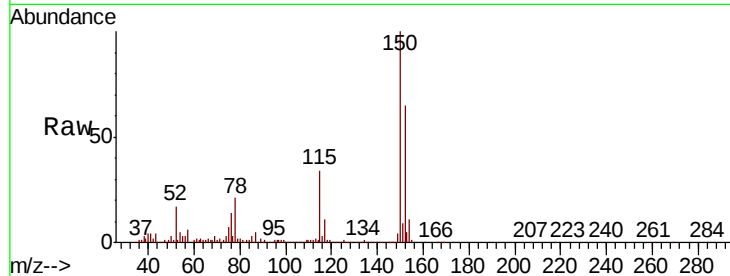


#72

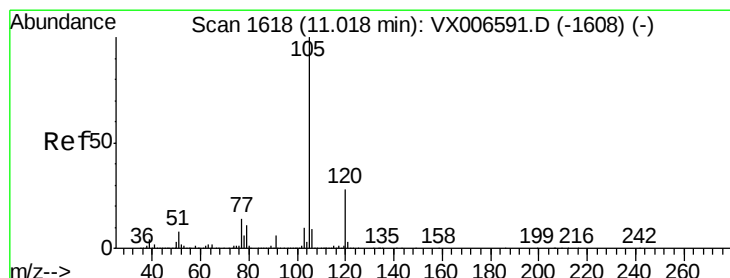
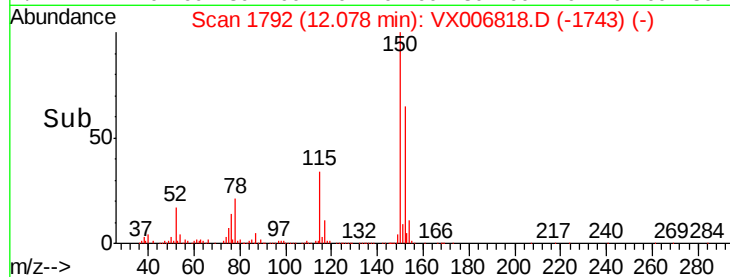
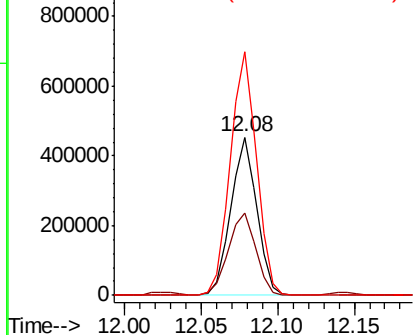
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX006818.D
Acq: 26 Dec 2018 15:09

Instrument :
MSVOA_X
ClientSampleId :
SS-122618-A

Tot Ion	Ratio	Lower	Upper
152	100		
115	55.3	39.1	117.2
150	156.3	0.0	344.8



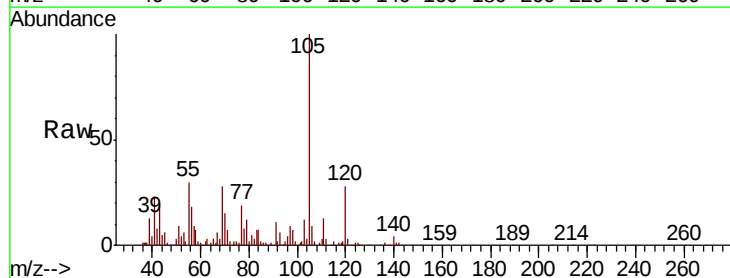
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



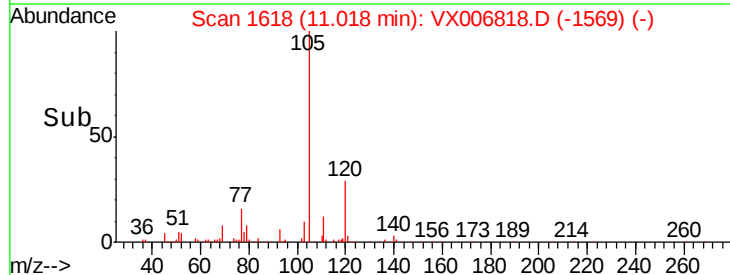
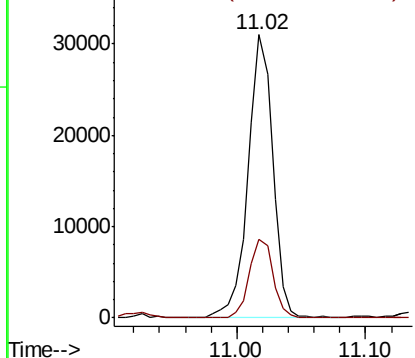
#73

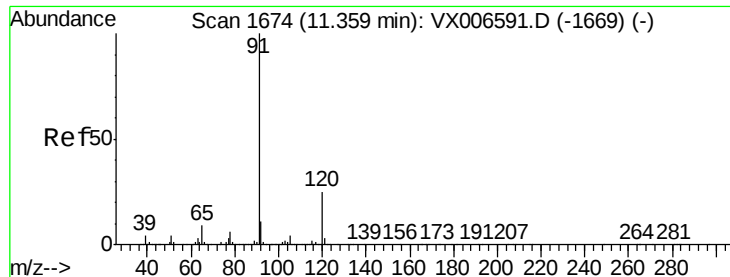
Isopropylbenzene
Concen: 1.128 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX006818.D
Acq: 26 Dec 2018 15:09

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.4	14.1	42.4



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 3.991 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX006818.D

Acq: 26 Dec 2018 15:09

Instrument :

MSVOA_X

ClientSampleId :

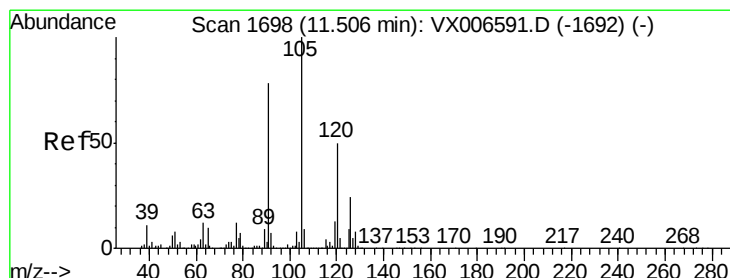
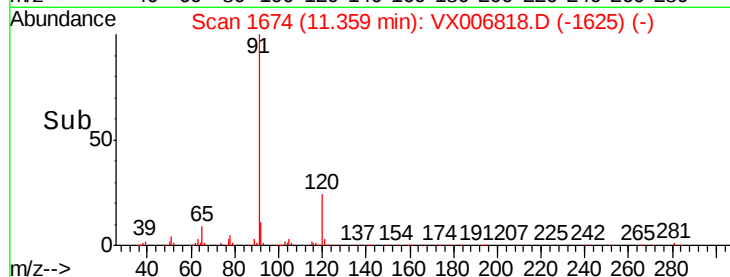
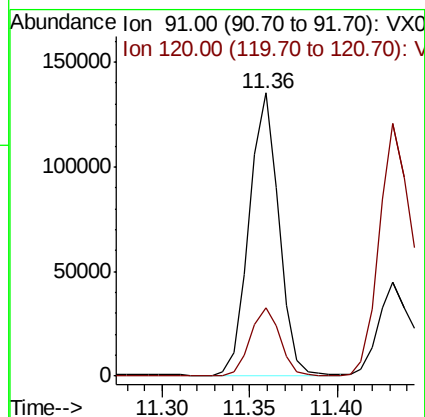
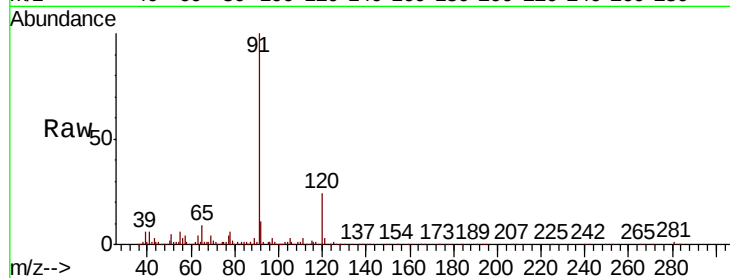
SS-122618-A

Tot Ion: 91 Resp: 159468

Ion Ratio Lower Upper

91 100

120 24.3 12.7 38.0



#80

1,3,5-Trimethylbenzene

Concen: 6.554 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX006818.D

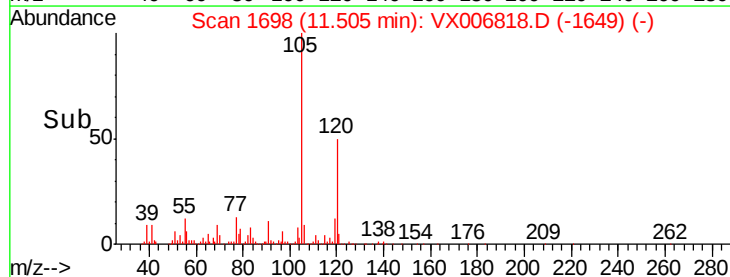
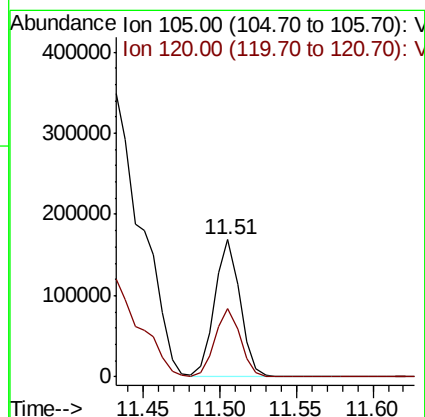
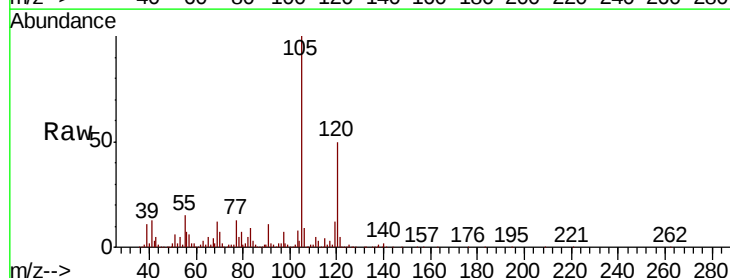
Acq: 26 Dec 2018 15:09

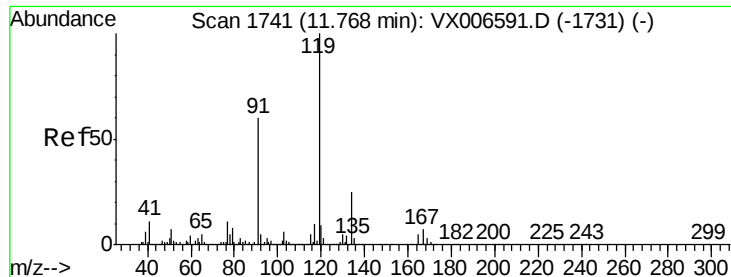
Tgt Ion: 105 Resp: 195865

Ion Ratio Lower Upper

105 100

120 49.7 25.1 75.3

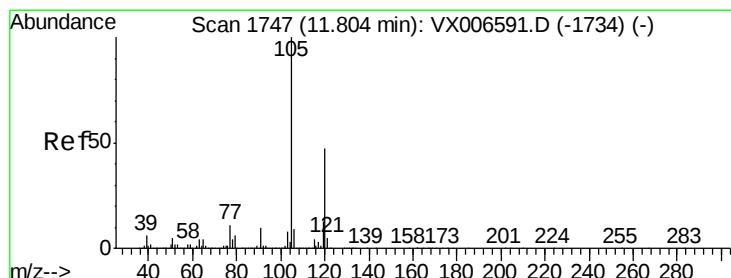
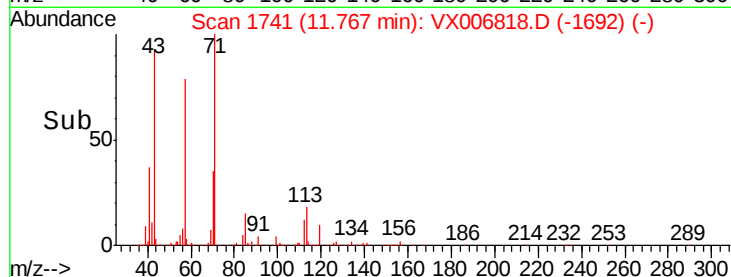
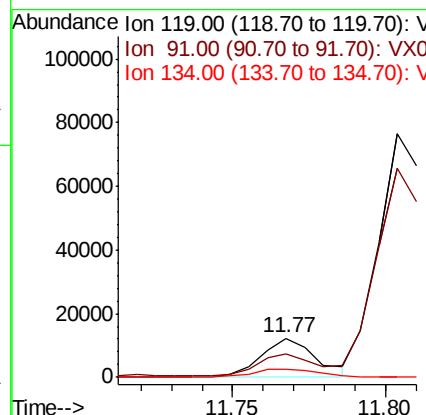
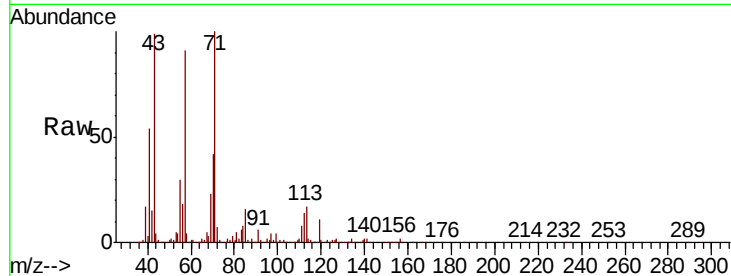




#83
tert-Butylbenzene
Concen: 0.502 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VX006818.D
Acq: 26 Dec 2018 15:09

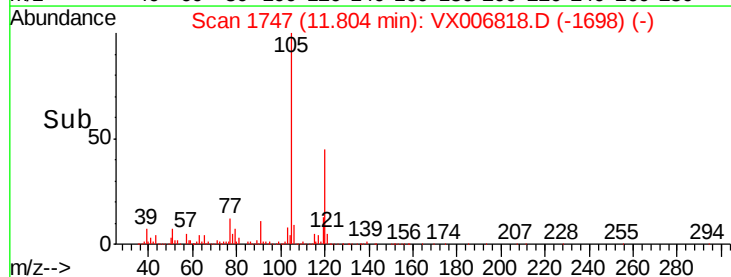
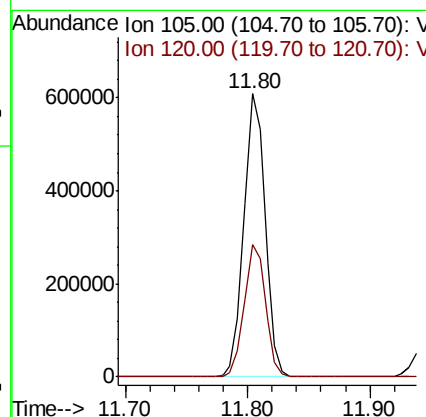
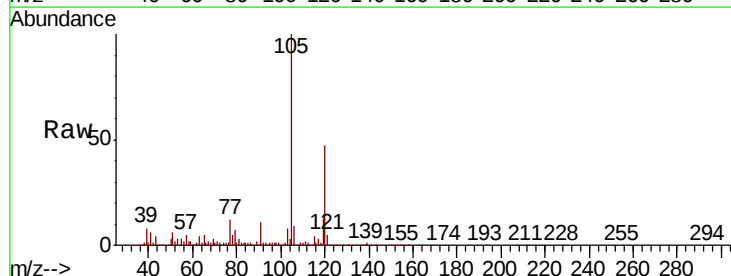
Instrument :
MSVOA_X
ClientSampleID :
SS-122618-A

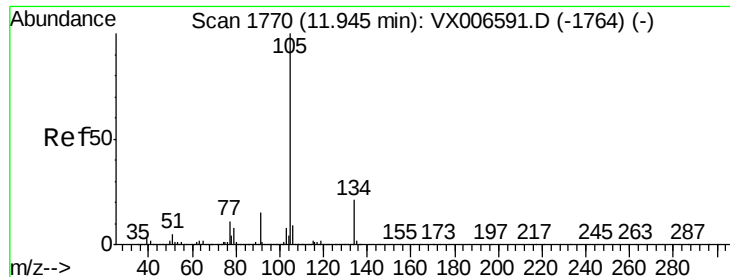
Tot Ion:119 Resp: 15021
Ion Ratio Lower Upper
119 100
91 55.5 27.7 83.1
134 26.3 11.9 35.5



#84
1,2,4-Trimethylbenzene
Concen: 23.198 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VX006818.D
Acq: 26 Dec 2018 15:09

Tgt Ion:105 Resp: 729197
Ion Ratio Lower Upper
105 100
120 46.9 23.2 69.6

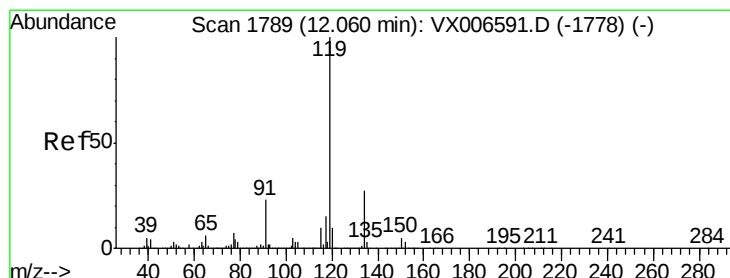
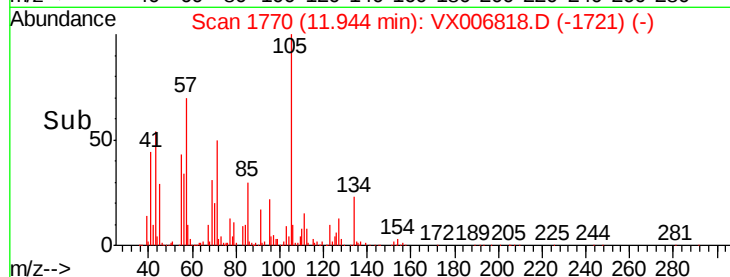
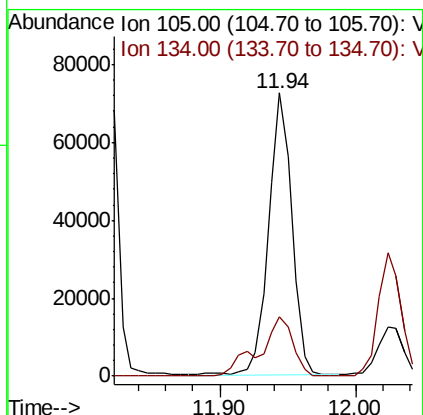
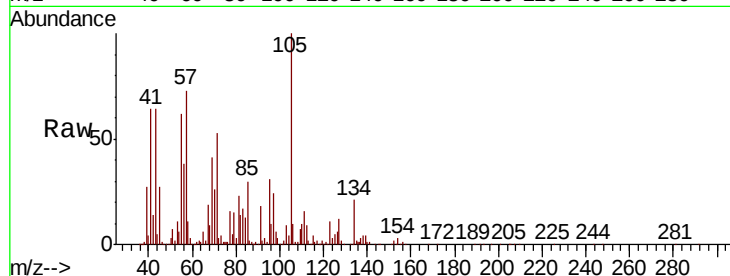




#85
 sec-Butylbenzene
 Concen: 2.379 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.00 min
 Lab File: VX006818.D
 Acq: 26 Dec 2018 15:09

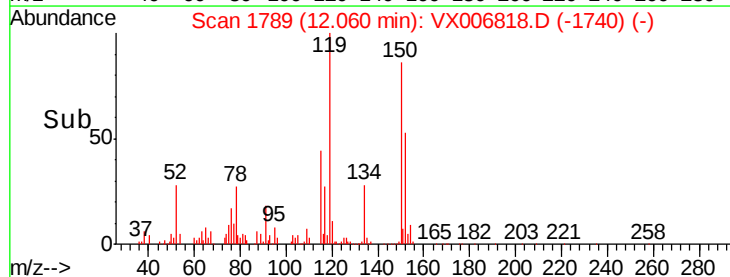
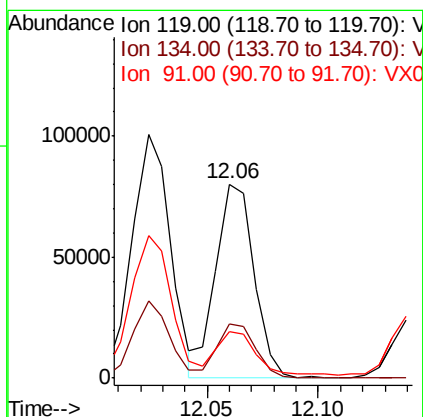
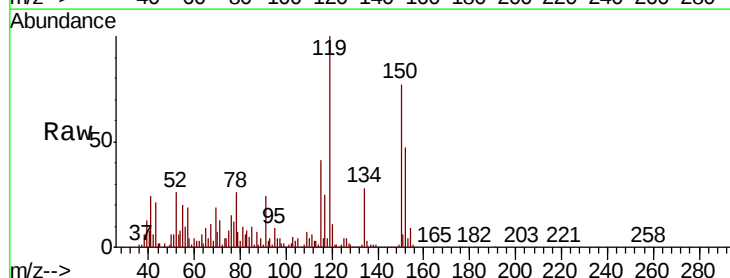
Instrument :
 MSVOA_X
 ClientSampleId :
 SS-122618-A

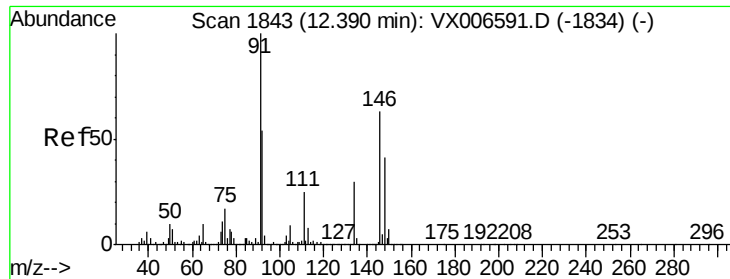
Tot Ion:105 Resp: 87248
 Ion Ratio Lower Upper
 105 100
 134 30.2 10.7 31.9



#86
 p-Isopropyltoluene
 Concen: 2.968 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. -0.00 min
 Lab File: VX006818.D
 Acq: 26 Dec 2018 15:09

Tgt Ion:119 Resp: 95674
 Ion Ratio Lower Upper
 119 100
 134 29.2 14.0 41.9
 91 22.9 11.3 33.9

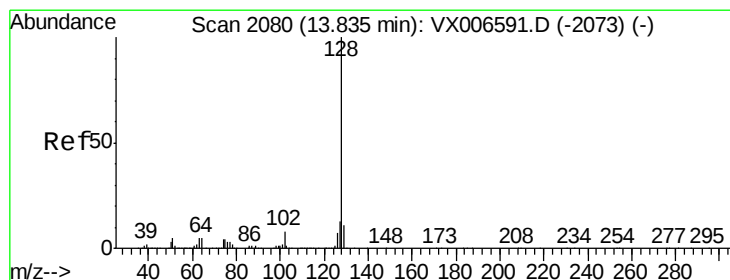
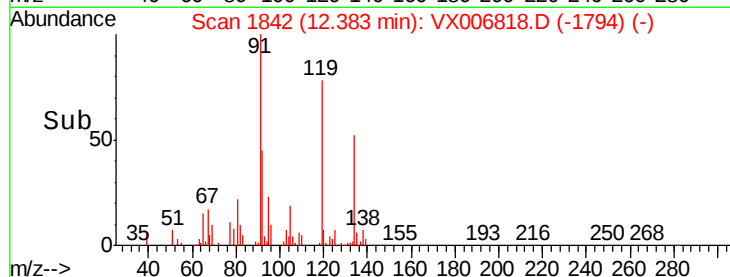
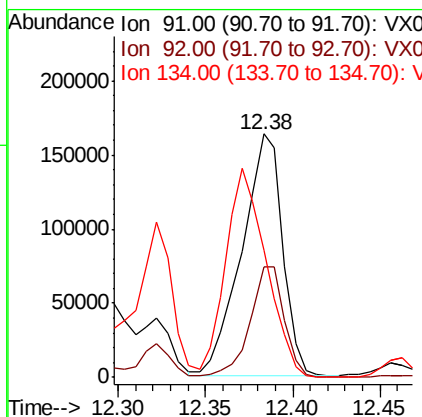
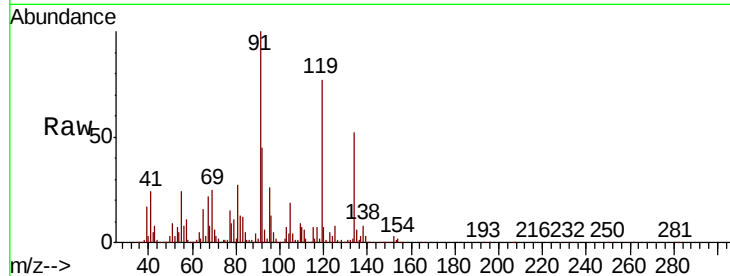




#89
n-Butylbenzene
Concen: 9.596 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.01 min
Lab File: VX006818.D
Acq: 26 Dec 2018 15:09

Instrument :
MSVOA_X
ClientSampleId :
SS-122618-A

Tot Ion	Ratio	Lower	Upper
91	100		
92	38.4	26.8	80.4
134	85.8	14.4	43.2



#95
Naphthalene
Concen: 3.986 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX006818.D
Acq: 26 Dec 2018 15:09

Tgt Ion	Ratio	Lower	Upper
128	100		
127	17.8	10.1	15.1
129	17.8	8.6	13.0

