

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX041318\
 Data File : VX000860.D
 Acq On : 13 Apr 2018 19:51
 Operator : JC/MD
 Sample : J2364-04 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SP-A

Quant Time: Apr 14 05:16:21 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X041018W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 10 15:49:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.68	168	247568	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	326828	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	300700	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	199211	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.08	65	142758	45.73	ug/l	0.00
Spiked Amount			Recovery	=	91.46%	
35) Dibromofluoromethane	5.52	113	116424	46.24	ug/l	0.00
Spiked Amount			Recovery	=	92.48%	
50) Toluene-d8	8.73	98	451495	48.16	ug/l	0.00
Spiked Amount			Recovery	=	96.32%	
62) 4-Bromofluorobenzene	11.15	95	176451	45.49	ug/l	0.00
Spiked Amount			Recovery	=	90.98%	

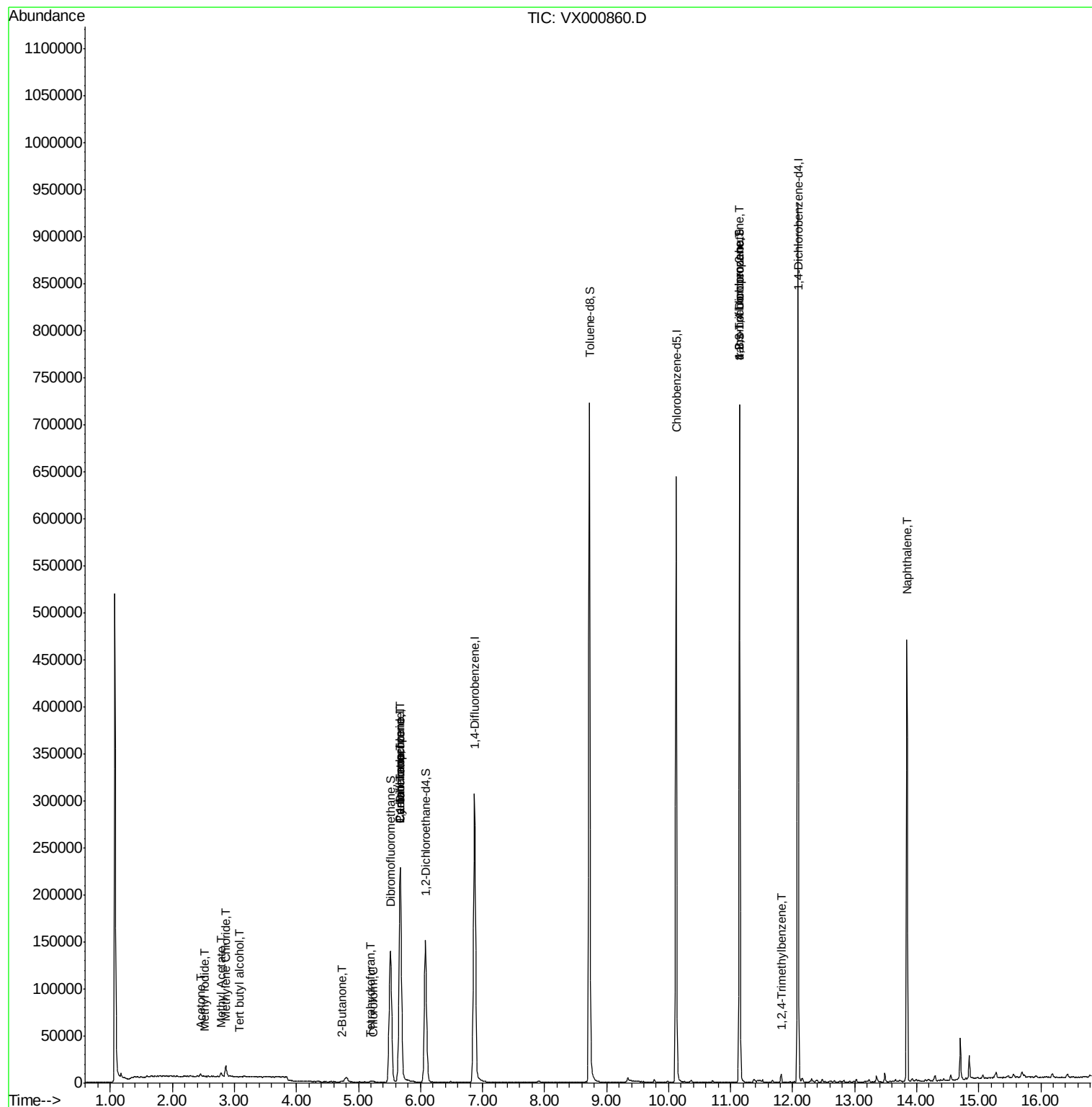
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	359	Below Cal		98
10) Methyl Iodide	2.52	142	77	8.26	ug/l #	42
11) Tert butyl alcohol	3.09	59	165	0.30	ug/l #	1
16) Acetone	2.45	43	3339	3.10	ug/l	98
18) Methyl Acetate	2.79	43	4936	1.77	ug/l	99
20) Methylene Chloride	2.87	84	5701	2.28	ug/l	86
25) 2-Butanone	4.73	43	703	0.40	ug/l #	73
29) Tetrahydrofuran	5.18	42	408	0.36	ug/l #	77
30) Chloroform	5.23	83	1056	0.23	ug/l #	72
31) Cyclohexane	5.68	56	4337	1.05	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	15020	4.17	ug/l #	49
38) Carbon Tetrachloride	5.67	117	20777	5.16	ug/l #	15
76) 1,2,3-Trichloropropane	11.15	75	87406	25.44	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.15	75	87406	69.98	ug/l #	11
84) 1,2,4-Trimethylbenzene	11.82	105	3672	0.33	ug/l	98
95) Naphthalene	13.84	128	286253	19.75	ug/l	99

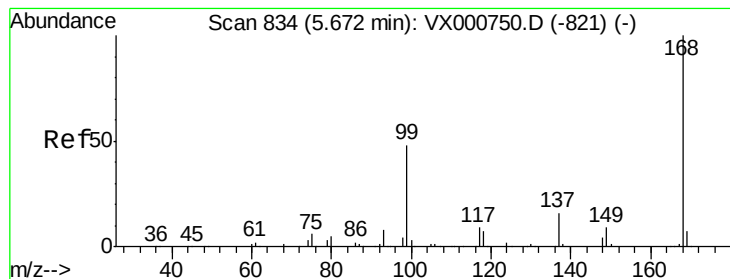
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.68 min Scan# 835

Delta R.T. 0.01 min

Lab File: VX000860.D

Acq: 13 Apr 2018 19:51

Instrument :

MSVOA_X

ClientSampleId :

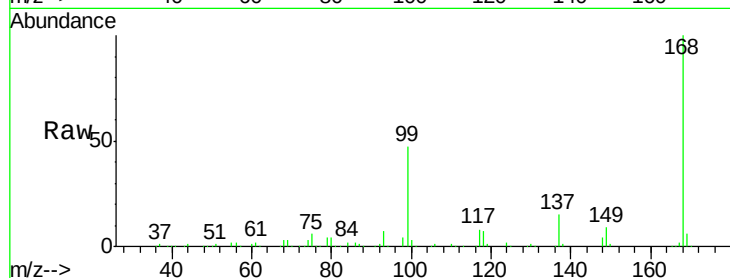
SP-A

Tgt Ion:168 Resp: 247568

Ion Ratio Lower Upper

168 100

99 47.3 38.3 57.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.68

80000

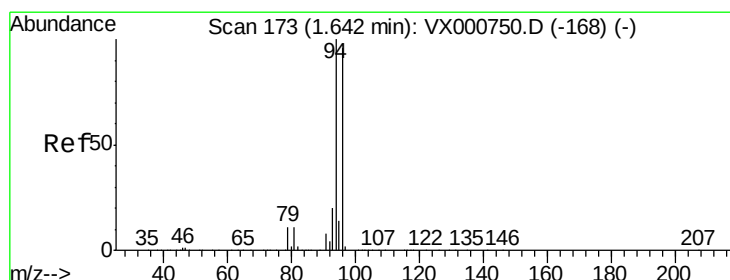
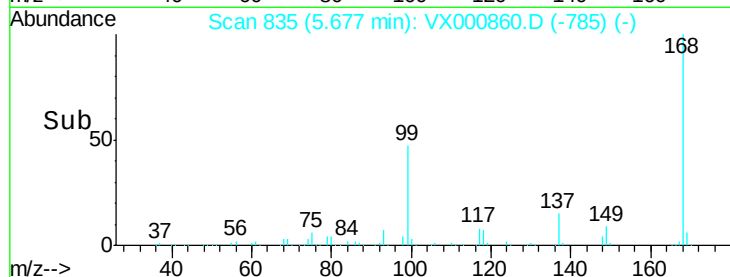
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 175

Delta R.T. 0.01 min

Lab File: VX000860.D

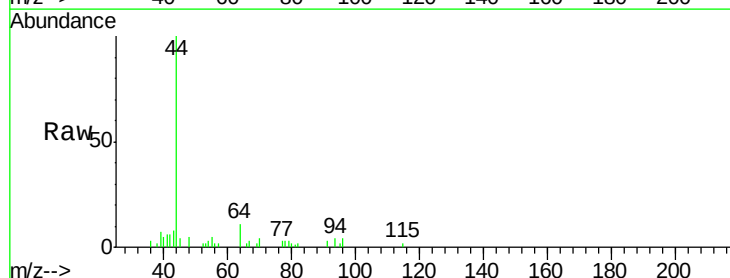
Acq: 13 Apr 2018 19:51

Tgt Ion: 94 Resp: 359

Ion Ratio Lower Upper

94 100

96 98.0 77.0 115.6



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

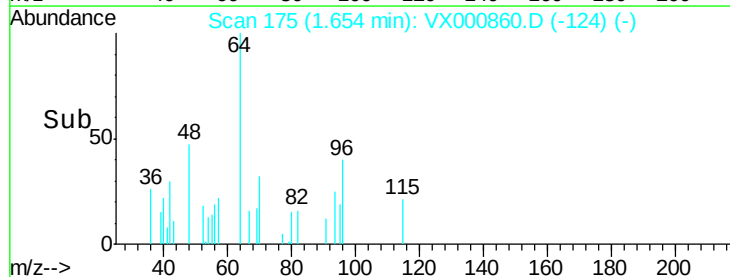
150

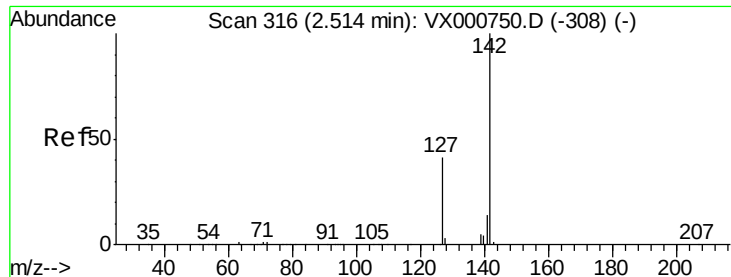
100

50

0

Time--> 1.60 1.65 1.70

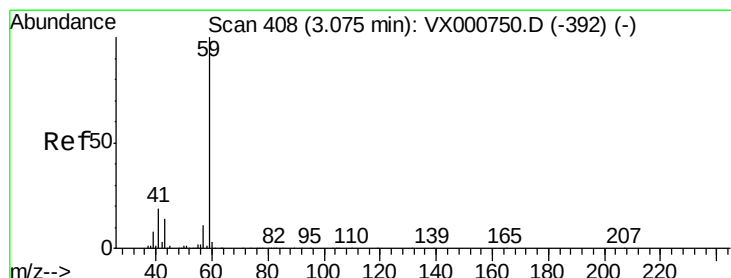
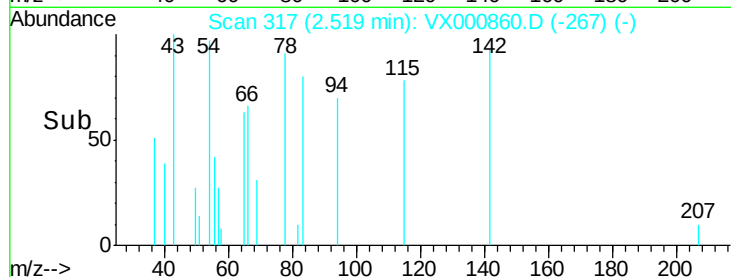
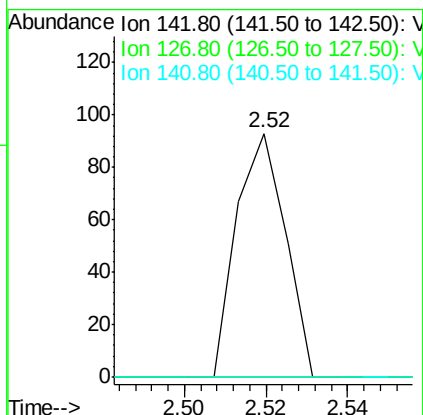
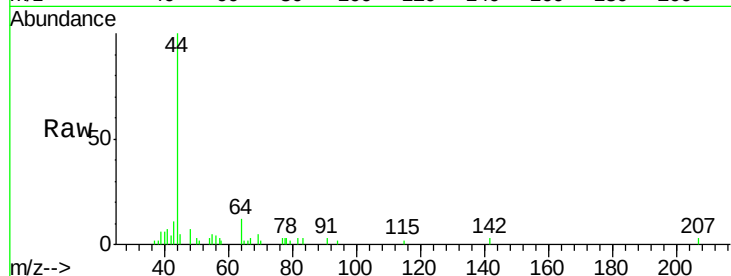




#10
Methyl Iodide
Concen: 8.26 ug/l
RT: 2.52 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX000860.D
Acq: 13 Apr 2018 19:51

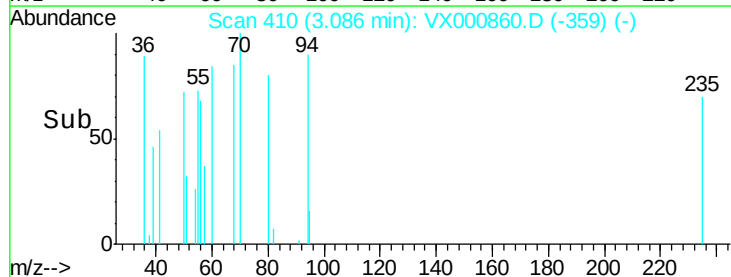
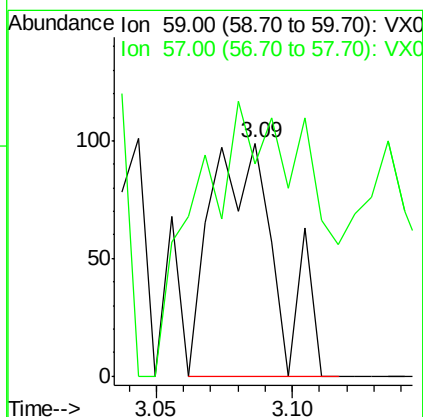
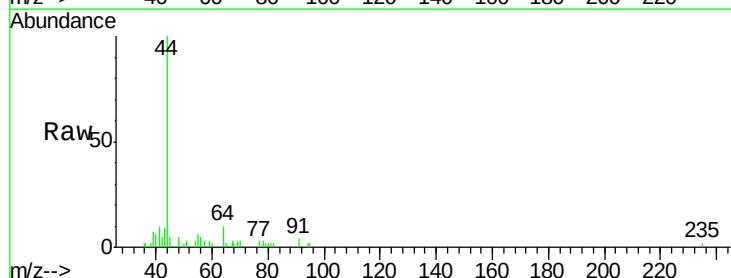
Instrument :
MSVOA_X
ClientSampled :
SP-A

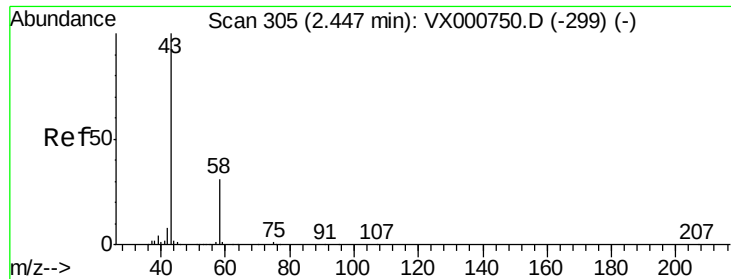
Tgt Ion: 142 Resp: 77
Ion Ratio Lower Upper
142 100
127 0.0 32.6 49.0#
141 0.0 11.5 17.3#



#11
Tert butyl alcohol
Concen: 0.30 ug/l
RT: 3.09 min Scan# 410
Delta R.T. 0.01 min
Lab File: VX000860.D
Acq: 13 Apr 2018 19:51

Tgt Ion: 59 Resp: 165
Ion Ratio Lower Upper
59 100
57 203.0 8.4 12.6#





#16

Acetone

Concen: 3.10 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.01 min

Lab File: VX000860.D

Acq: 13 Apr 2018 19:51

Instrument :

MSVOA_X

ClientSampleId :

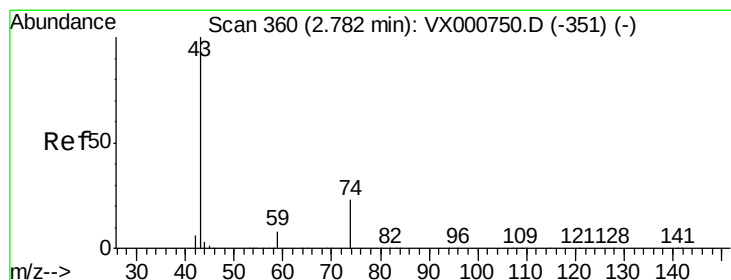
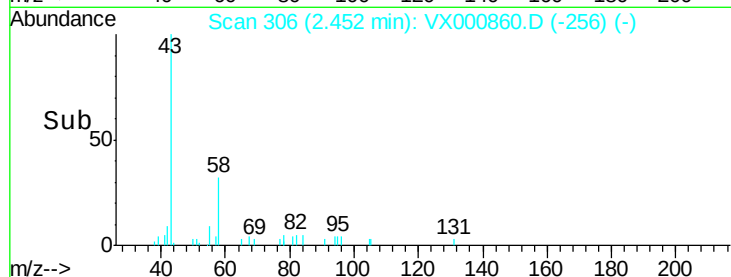
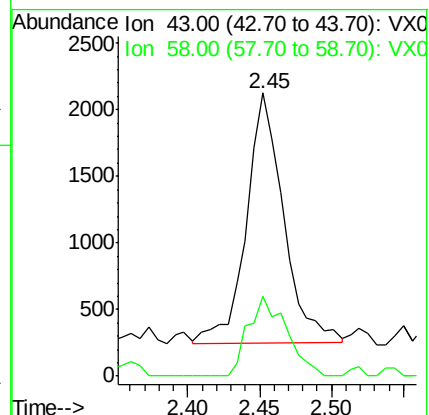
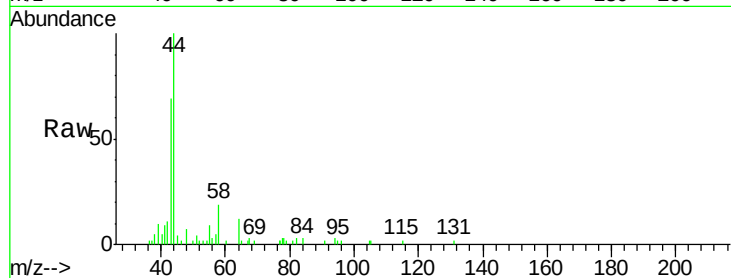
SP-A

Tgt Ion: 43 Resp: 3339

Ion Ratio Lower Upper

43 100

58 32.0 24.6 37.0



#18

Methyl Acetate

Concen: 1.77 ug/l

RT: 2.79 min Scan# 361

Delta R.T. 0.01 min

Lab File: VX000860.D

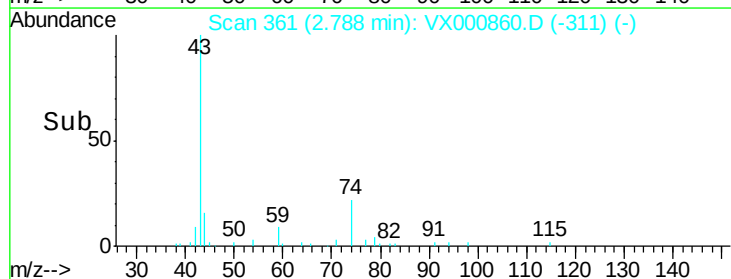
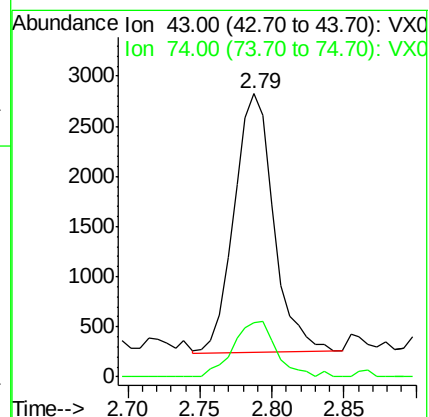
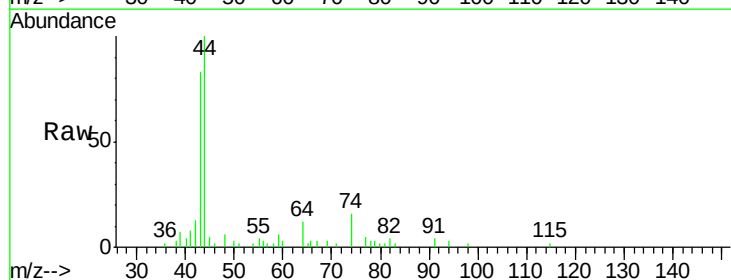
Acq: 13 Apr 2018 19:51

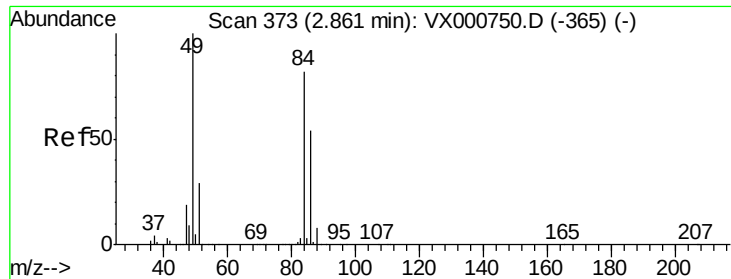
Tgt Ion: 43 Resp: 4936

Ion Ratio Lower Upper

43 100

74 23.5 19.1 28.7

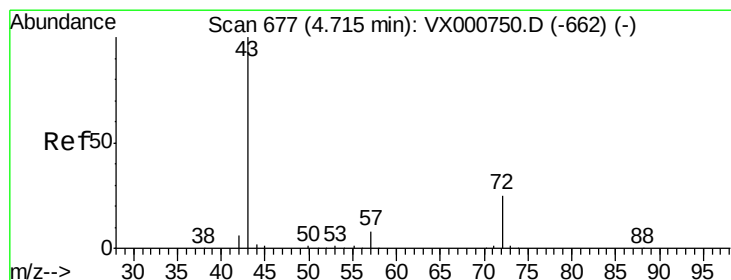
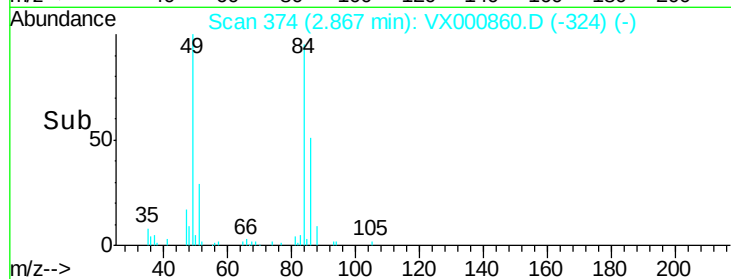
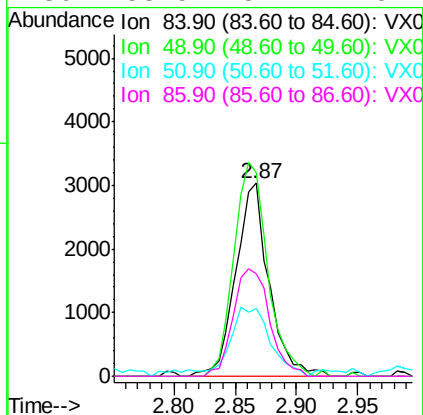
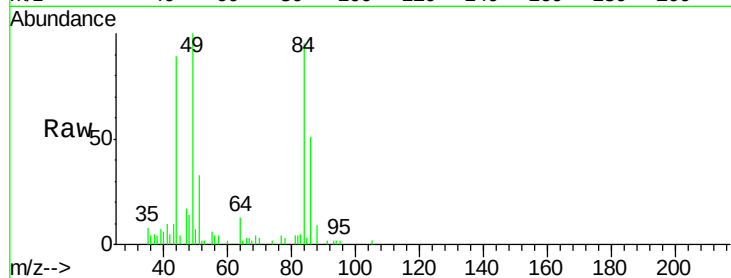




#20
Methylene Chloride
Concen: 2.28 ug/l
RT: 2.87 min Scan# 374
Delta R.T. 0.01 min
Lab File: VX000860.D
Acq: 13 Apr 2018 19:51

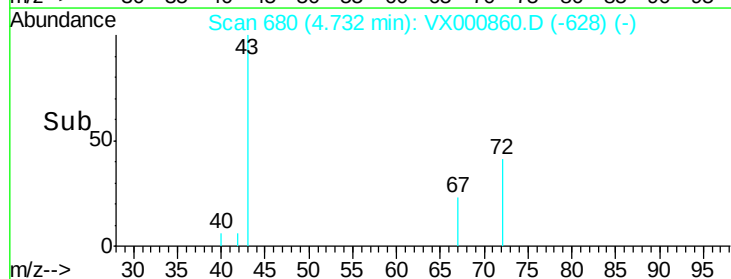
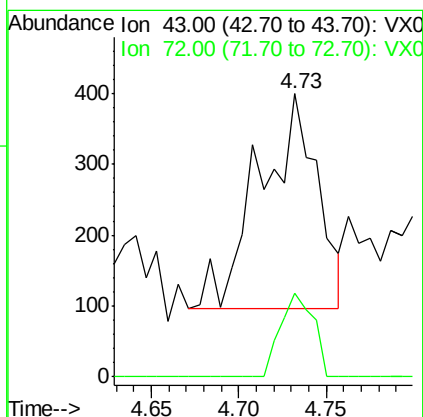
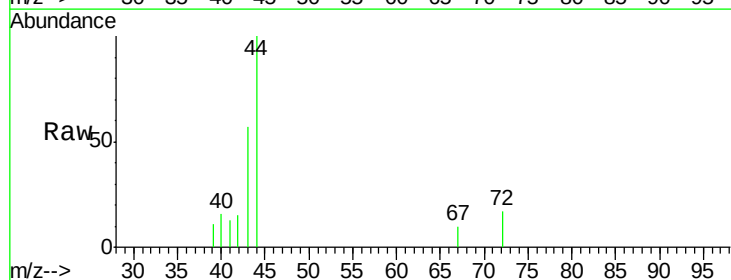
Instrument :
MSVOA_X
ClientSampled :
SP-A

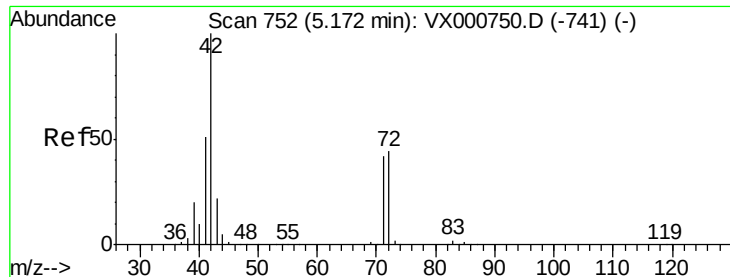
Tgt Ion:	84	Resp:	5701
Ion	Ratio	Lower	Upper
84	100		
49	105.6	98.1	147.1
51	32.6	28.9	43.3
86	53.5	52.7	79.1



#25
2-Butanone
Concen: 0.40 ug/l
RT: 4.73 min Scan# 680
Delta R.T. 0.02 min
Lab File: VX000860.D
Acq: 13 Apr 2018 19:51

Tgt Ion:	43	Resp:	703
Ion	Ratio	Lower	Upper
43	100		
72	38.9	20.3	30.5#





#29

Tetrahydrofuran

Concen: 0.36 ug/l

RT: 5.18 min Scan# 754

Delta R.T. 0.01 min

Lab File: VX000860.D

Acq: 13 Apr 2018 19:51

Instrument :

MSVOA_X

ClientSampled :

SP-A

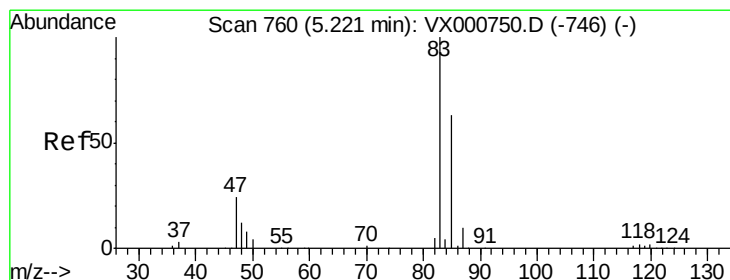
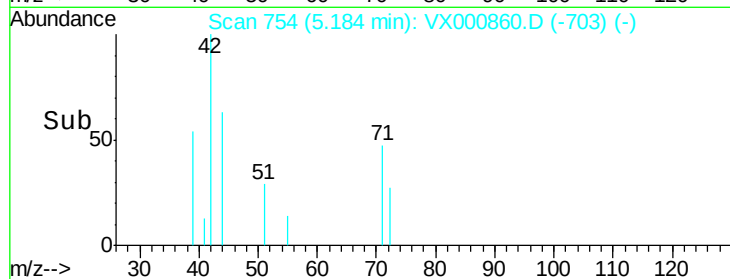
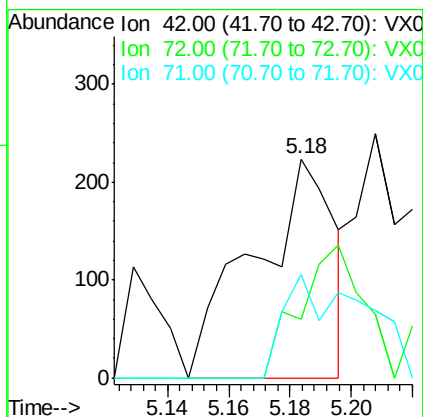
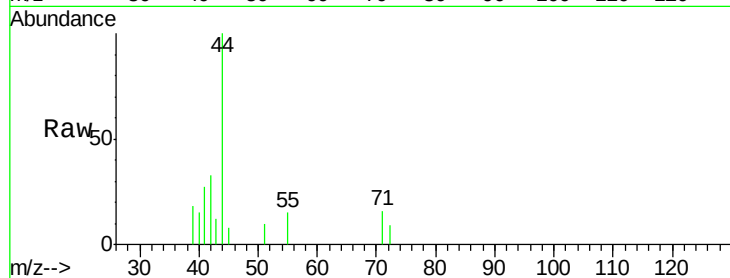
Tgt Ion: 42 Resp: 408

Ion Ratio Lower Upper

42 100

72 52.5 35.1 52.7

71 20.6 32.8 49.2#



#30

Chloroform

Concen: 0.23 ug/l

RT: 5.23 min Scan# 762

Delta R.T. 0.01 min

Lab File: VX000860.D

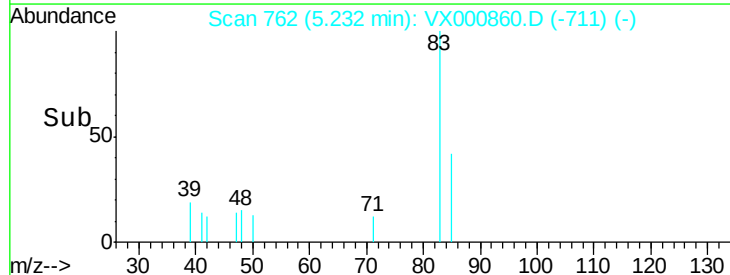
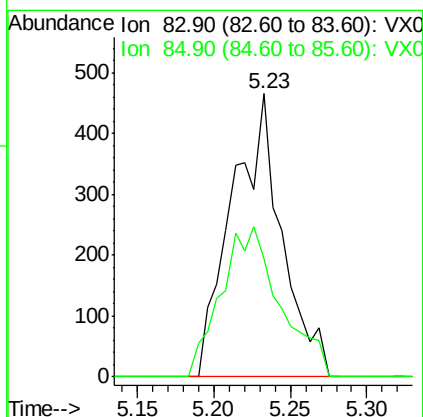
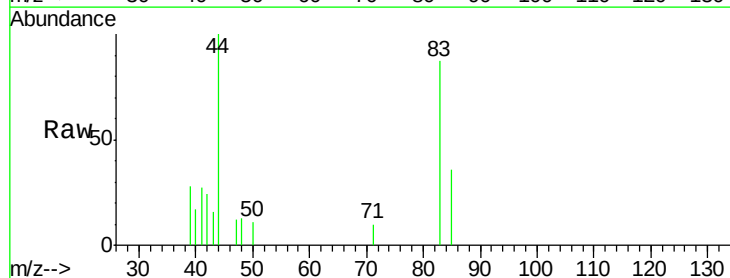
Acq: 13 Apr 2018 19:51

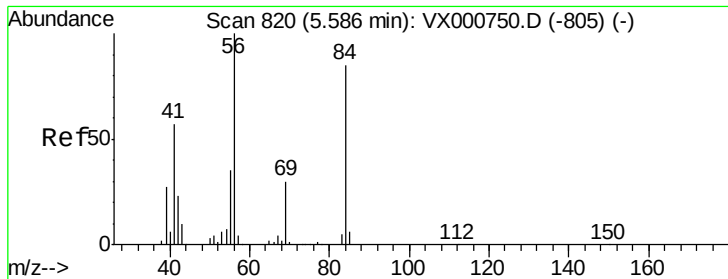
Tgt Ion: 83 Resp: 1056

Ion Ratio Lower Upper

83 100

85 41.9 50.7 76.1#

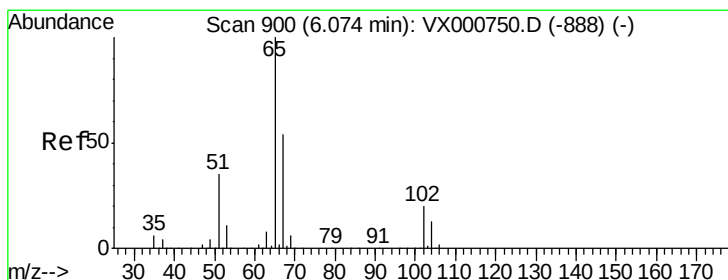
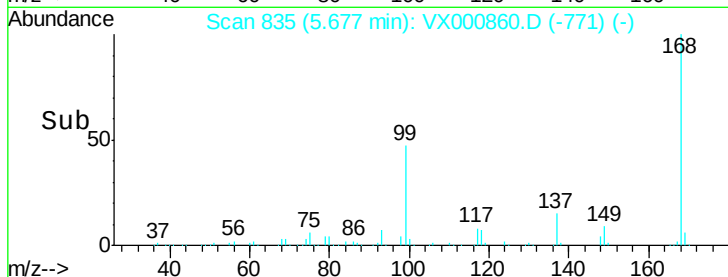
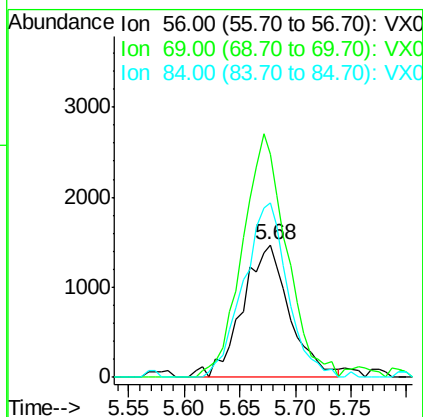
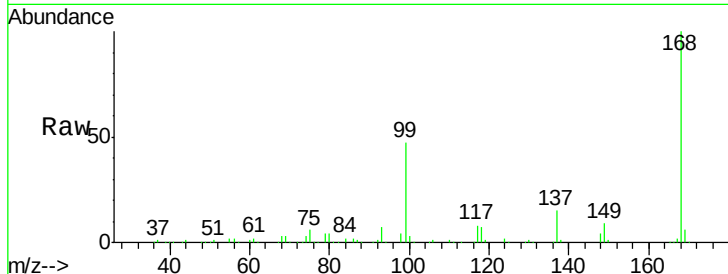




#31
Cyclohexane
Concen: 1.05 ug/l
RT: 5.68 min Scan# 835
Delta R.T. 0.09 min
Lab File: VX000860.D
Acq: 13 Apr 2018 19:51

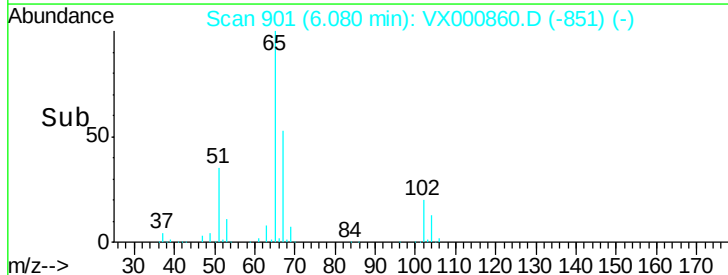
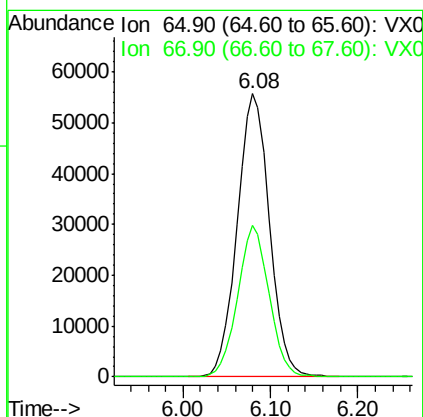
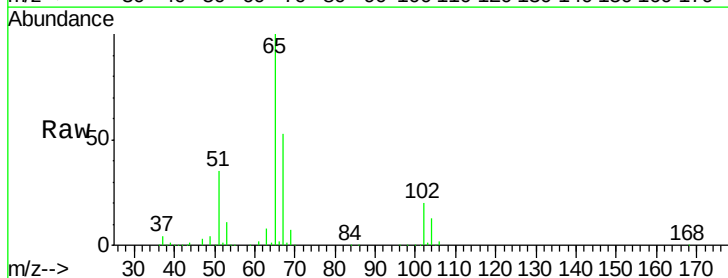
Instrument :
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SP-A

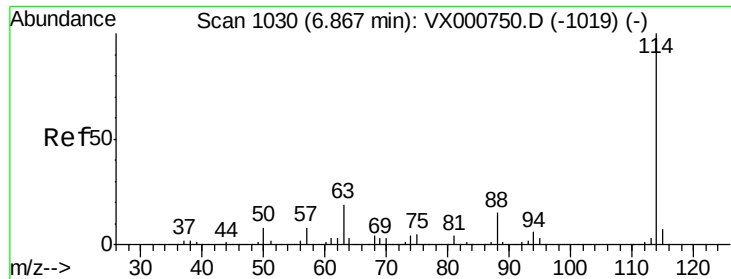
Tgt Ion: 56 Resp: 4337
Ion Ratio Lower Upper
56 100
69 169.0 24.2 36.4#
84 131.7 67.6 101.4#



#33
1,2-Dichloroethane-d4
Concen: 45.73 ug/l
RT: 6.08 min Scan# 901
Delta R.T. 0.01 min
Lab File: VX000860.D
Acq: 13 Apr 2018 19:51

Tgt Ion: 65 Resp: 142758
Ion Ratio Lower Upper
65 100
67 52.1 0.0 103.8





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VX000860.D

Acq: 13 Apr 2018 19:51

Instrument :

MSVOA_X

ClientSampleId :

SP-A

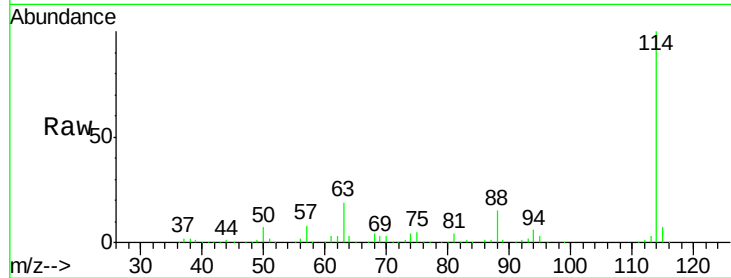
Tgt Ion:114 Resp: 326828

Ion Ratio Lower Upper

114 100

63 19.2 0.0 38.4

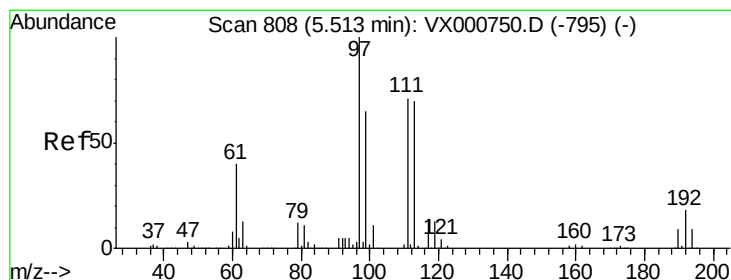
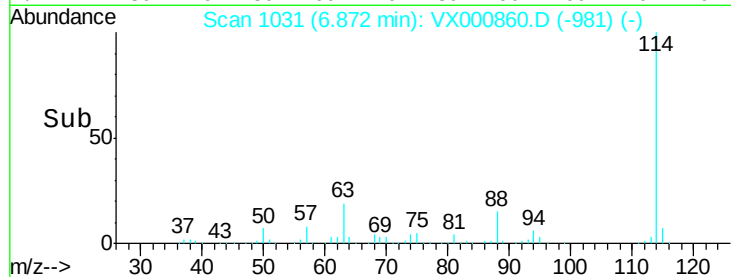
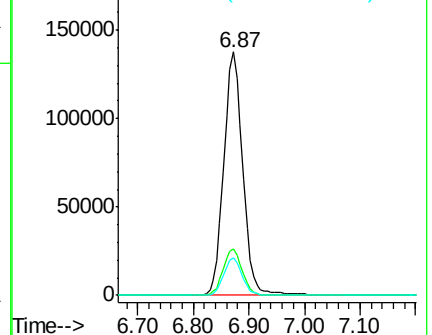
88 15.5 0.0 31.0



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: 46.24 ug/l

RT: 5.52 min Scan# 809

Delta R.T. 0.01 min

Lab File: VX000860.D

Acq: 13 Apr 2018 19:51

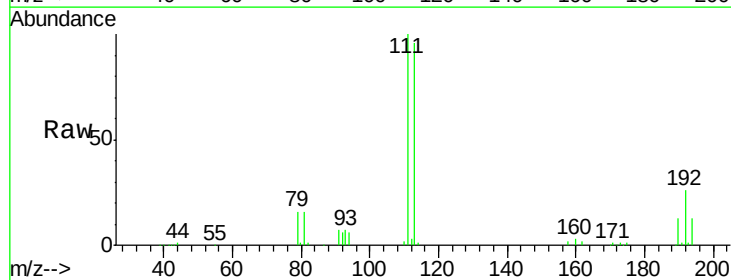
Tgt Ion:113 Resp: 116424

Ion Ratio Lower Upper

113 100

111 102.7 81.5 122.3

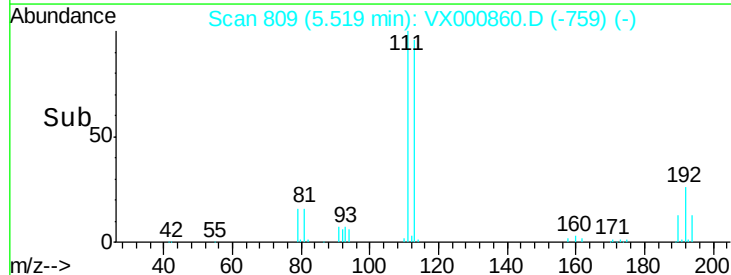
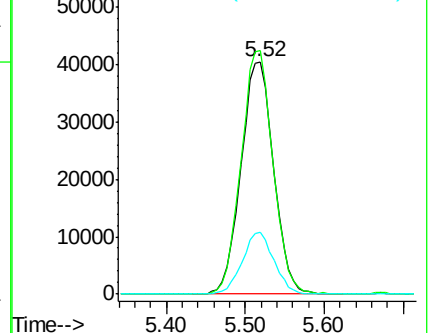
192 25.9 20.4 30.6

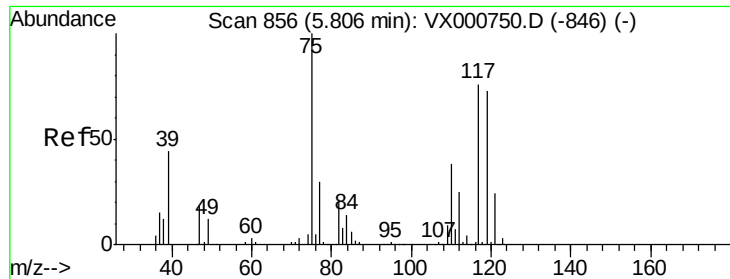


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.17 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.13 min

Lab File: VX000860.D

Acq: 13 Apr 2018 19:51

Instrument :

MSVOA_X

ClientSampled :

SP-A

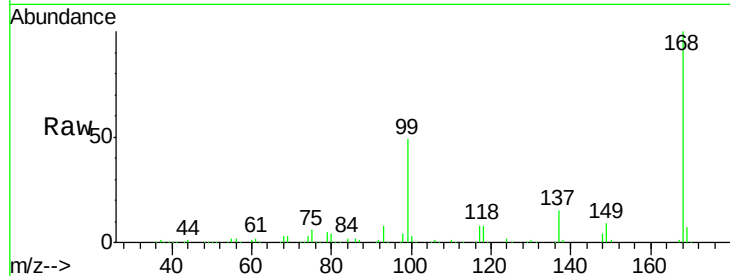
Tgt Ion: 75 Resp: 15020

Ion Ratio Lower Upper

75 100

110 9.8 19.2 57.6#

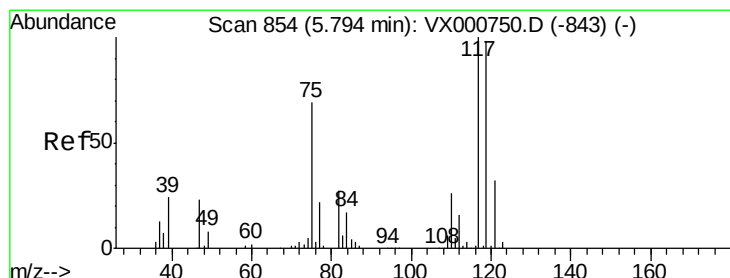
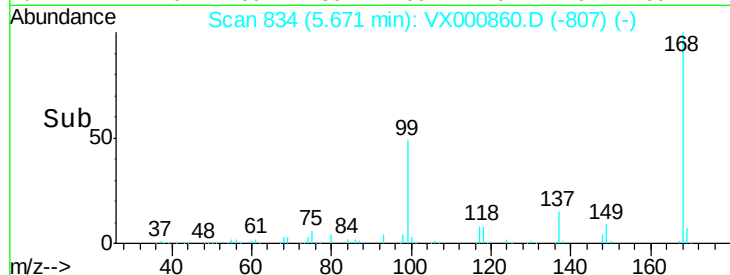
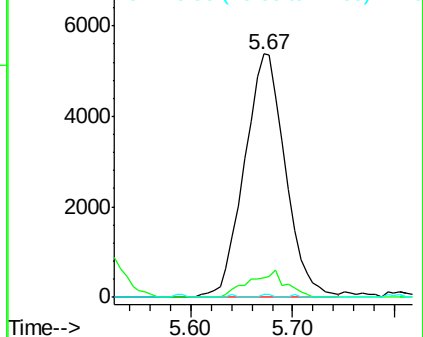
77 0.3 25.4 38.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0



#38

Carbon Tetrachloride

Concen: 5.16 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX000860.D

Acq: 13 Apr 2018 19:51

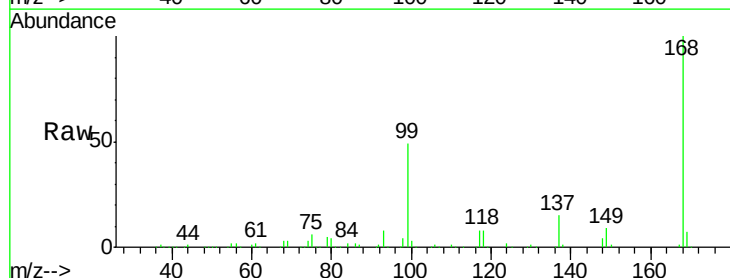
Tgt Ion: 117 Resp: 20777

Ion Ratio Lower Upper

117 100

119 4.7 78.4 117.6#

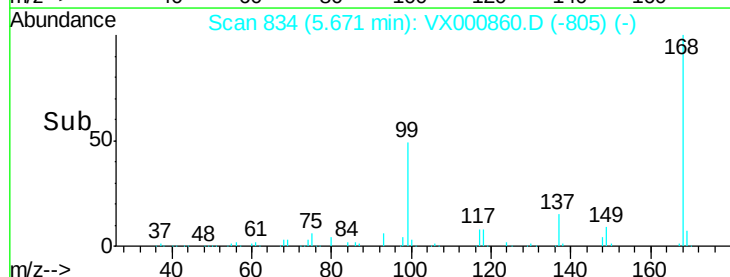
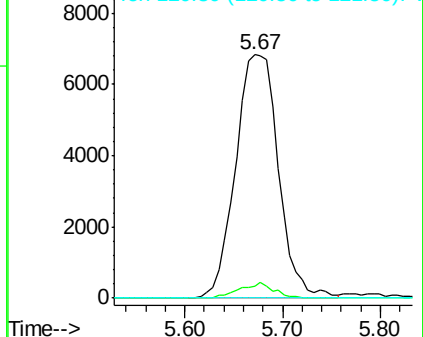
121 0.0 25.4 38.0#

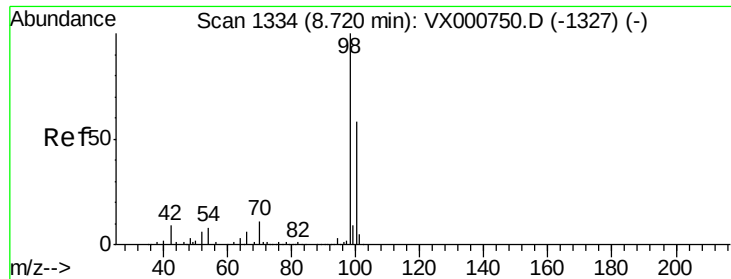


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 48.16 ug/l

RT: 8.73 min Scan# 1335

Delta R.T. 0.01 min

Lab File: VX000860.D

Acq: 13 Apr 2018 19:51

Instrument :

MSVOA_X

ClientSampleId :

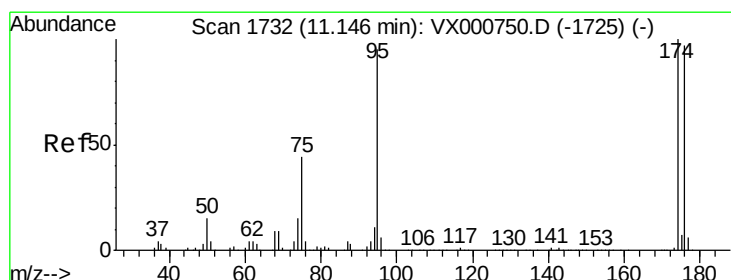
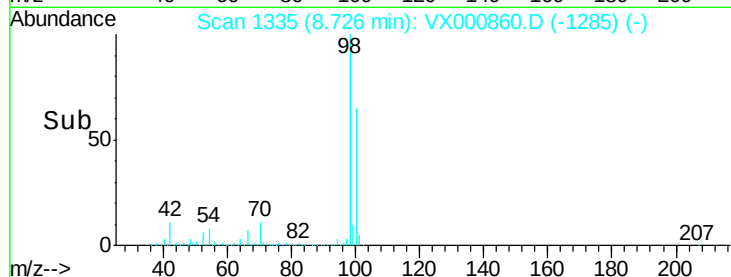
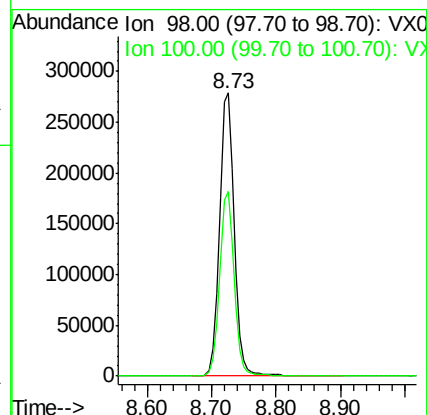
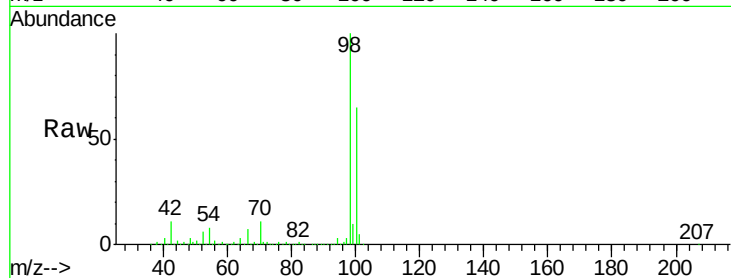
SP-A

Tgt Ion: 98 Resp: 451495

Ion Ratio Lower Upper

98 100

100 64.7 52.6 79.0



#62

4-Bromofluorobenzene

Concen: 45.49 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VX000860.D

Acq: 13 Apr 2018 19:51

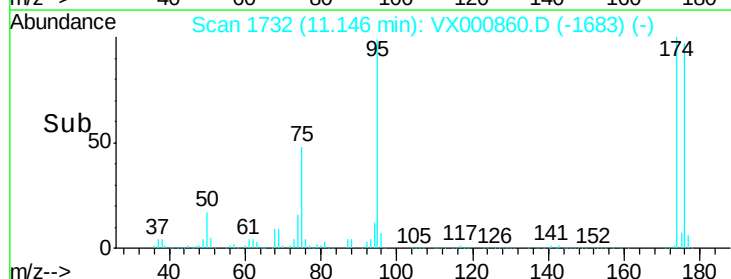
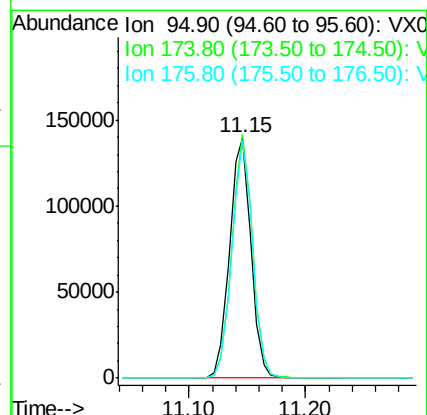
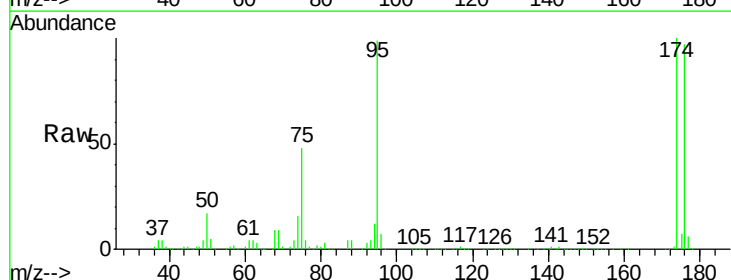
Tgt Ion: 95 Resp: 176451

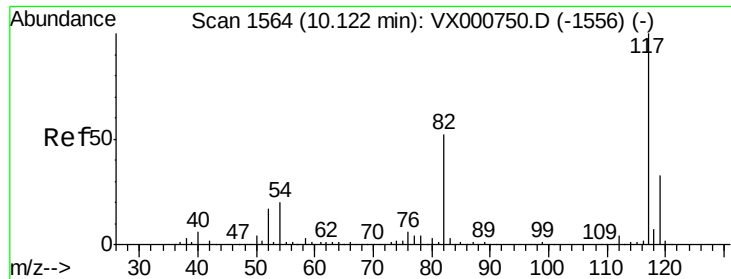
Ion Ratio Lower Upper

95 100

174 98.5 0.0 198.4

176 96.1 0.0 194.4

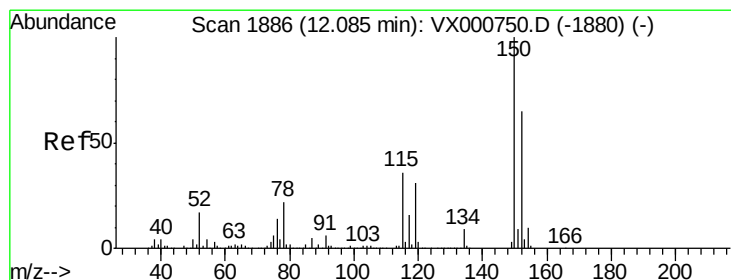
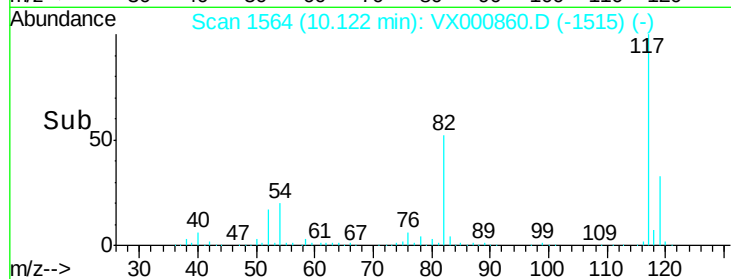
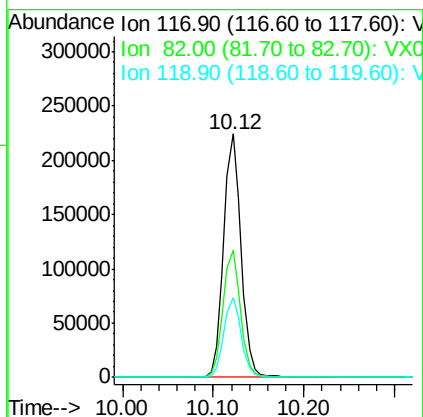
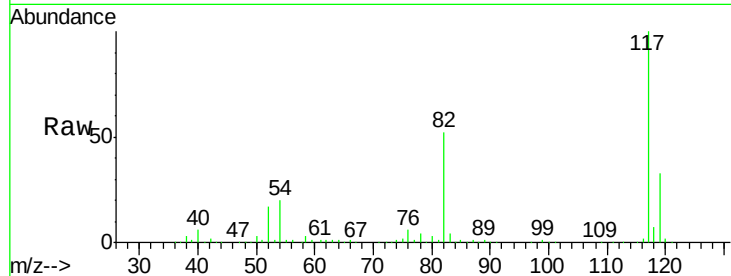




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX000860.D
Acq: 13 Apr 2018 19:51

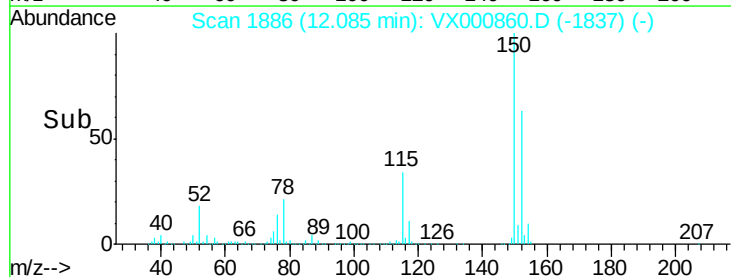
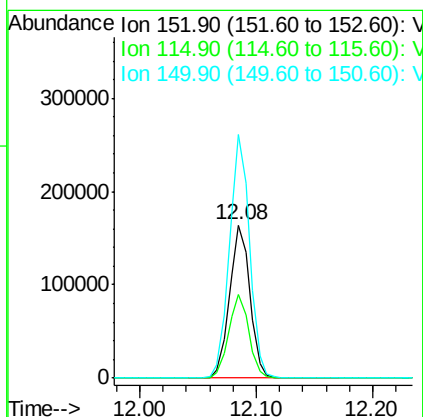
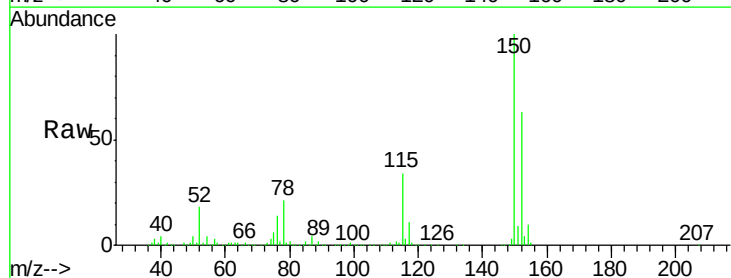
Instrument :
MSVOA_X
ClientSampleId :
SP-A

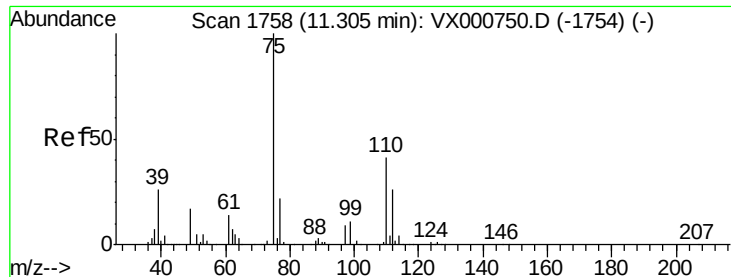
Tgt Ion:117 Resp: 300700
Ion Ratio Lower Upper
117 100
82 52.1 41.9 62.9
119 32.6 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX000860.D
Acq: 13 Apr 2018 19:51

Tgt Ion:152 Resp: 199211
Ion Ratio Lower Upper
152 100
115 54.2 37.9 113.7
150 157.8 0.0 348.0





#76

1,2,3-Trichloropropane

Concen: 25.44 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.16 min

Lab File: VX000860.D

Acq: 13 Apr 2018 19:51

Instrument :

MSVOA_X

ClientSampled :

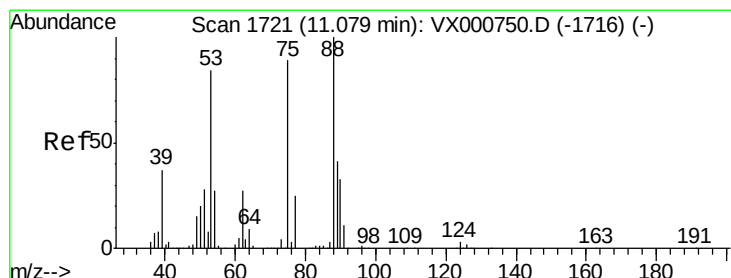
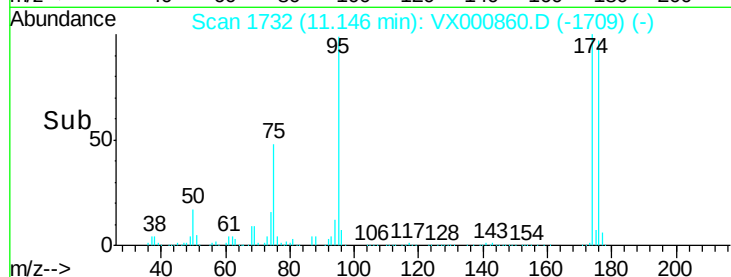
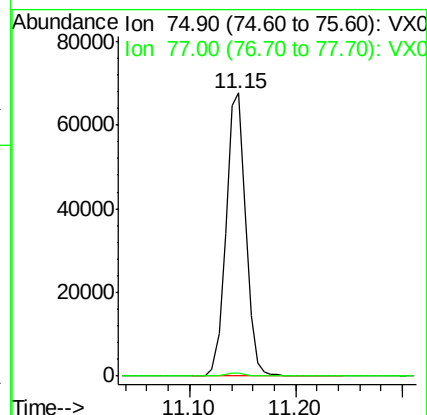
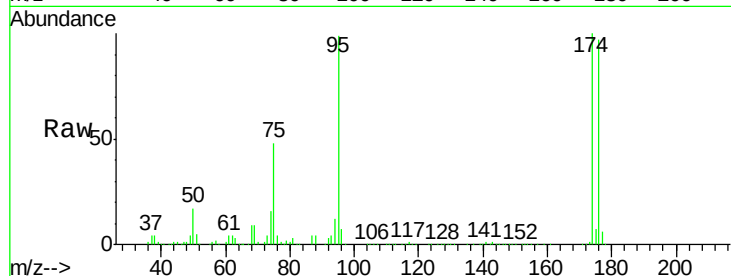
SP-A

Tgt Ion: 75 Resp: 87406

Ion Ratio Lower Upper

75 100

77 1.1 20.5 61.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 69.98 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.07 min

Lab File: VX000860.D

Acq: 13 Apr 2018 19:51

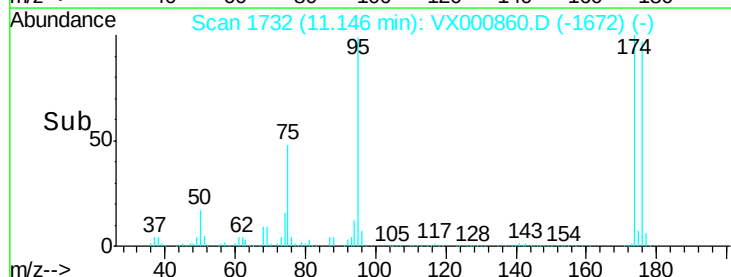
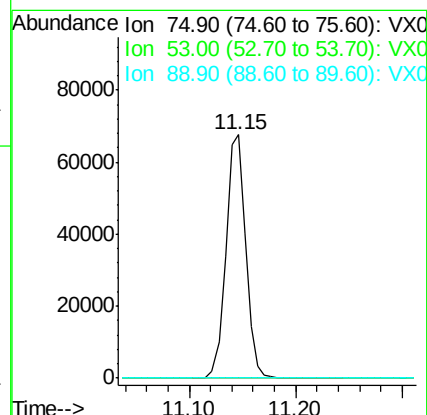
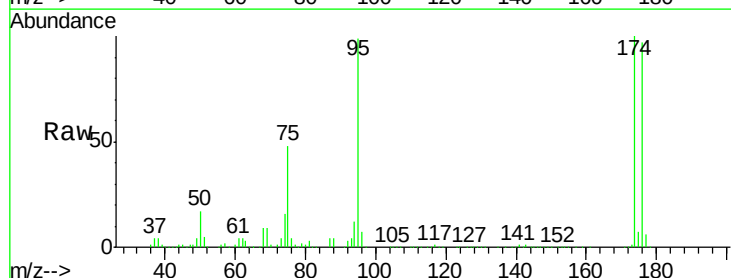
Tgt Ion: 75 Resp: 87406

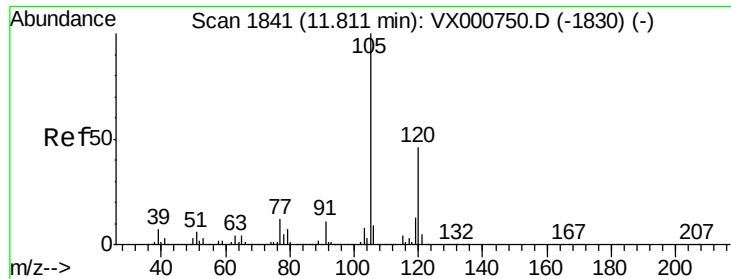
Ion Ratio Lower Upper

75 100

53 0.0 75.4 113.0#

89 0.0 40.9 61.3#

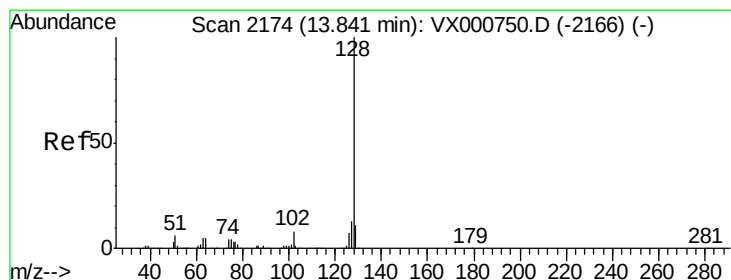
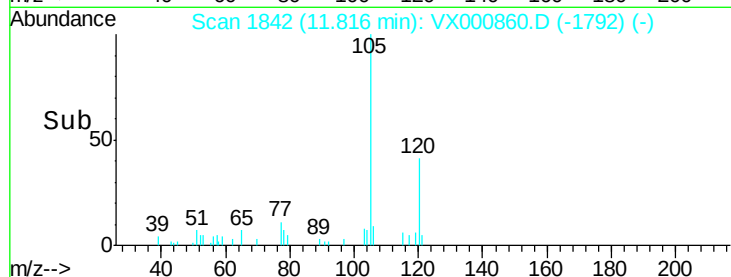
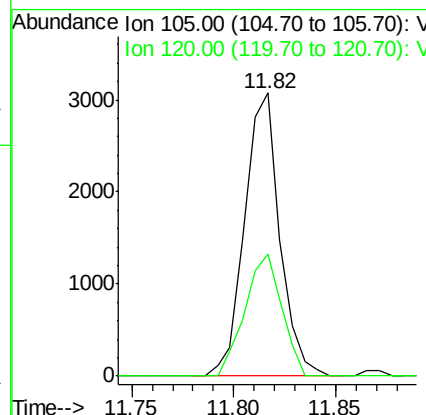
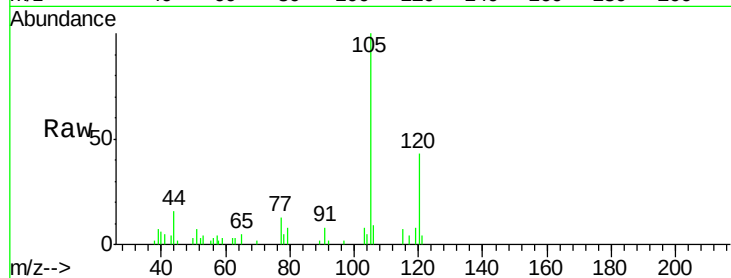




#84
 1,2,4-Trimethylbenzene
 Concen: 0.33 ug/l
 RT: 11.82 min Scan# 1842
 Delta R.T. 0.01 min
 Lab File: VX000860.D
 Acq: 13 Apr 2018 19:51

Instrument :
 MSVOA_X
 ClientSampleId :
 SP-A

Tgt Ion:105 Resp: 3672
 Ion Ratio Lower Upper
 105 100
 120 45.0 23.1 69.3



#95
 Naphthalene
 Concen: 19.75 ug/l
 RT: 13.84 min Scan# 2174
 Delta R.T. -0.00 min
 Lab File: VX000860.D
 Acq: 13 Apr 2018 19:51

Tgt Ion:128 Resp: 286253
 Ion Ratio Lower Upper
 128 100
 127 13.1 10.4 15.6
 129 10.5 8.7 13.1

