

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX072318\
 Data File : VX003622.D
 Acq On : 24 Jul 2018 00:29
 Operator : JC/SP
 Sample : J4073-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FB02-071718

Quant Time: Jul 24 01:46:26 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071918W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 19 17:09:44 2018
 Response via : Initial Calibration

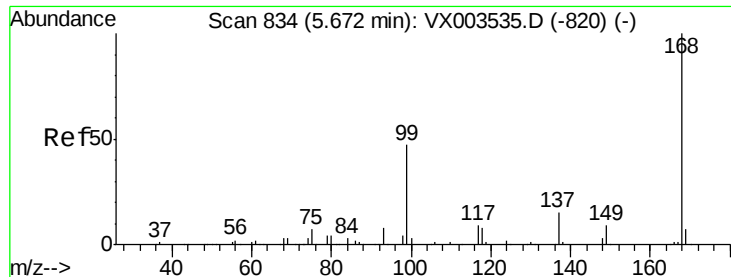
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	254160	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	365841	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	347344	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	192614	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	150082	49.89	ug/l	0.00
Spiked Amount			Recovery	=	99.78%	
35) Dibromofluoromethane	5.51	113	138768	49.80	ug/l	0.00
Spiked Amount			Recovery	=	99.60%	
50) Toluene-d8	8.72	98	519180	49.57	ug/l	0.00
Spiked Amount			Recovery	=	99.14%	
62) 4-Bromofluorobenzene	11.14	95	176838	46.27	ug/l	0.00
Spiked Amount			Recovery	=	92.54%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	71	Below Cal	#	43
3) Chloromethane	1.32	50	613	Below Cal	#	80
5) Bromomethane	1.65	94	1396	Below Cal		96
10) Methyl Iodide	2.52	142	1325	0.391	ug/l	90
11) Tert butyl alcohol	3.07	59	845	1.419	ug/l #	87
16) Acetone	2.45	43	12072	10.623	ug/l #	85
20) Methylene Chloride	2.86	84	300	Below Cal	#	62
25) 2-Butanone	4.71	43	5113	2.682	ug/l	92
31) Cyclohexane	5.66	56	3752	0.828	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	15117	3.827	ug/l #	50
37) Ethyl Acetate	4.71	43	5113	1.368	ug/l #	70
38) Carbon Tetrachloride	5.67	117	21130	5.454	ug/l #	16
52) Toluene	8.79	92	2671	0.356	ug/l	99
59) 2-Hexanone	9.51	43	725	0.261	ug/l	89
76) 1,2,3-Trichloropropane	11.14	75	82650	23.885	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.14	75	82650	66.993	ug/l #	7

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

```
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX072318\
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Sample    : J4073-02
Misc      : 5.0mL/MSVOA_X/WATER
ALS Vial  : 36      Sample Multiplier: 1
```



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.01 min

Lab File: VX003622.D

Acq: 24 Jul 2018 00:29

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MSVOA_X

ClientSampleId :

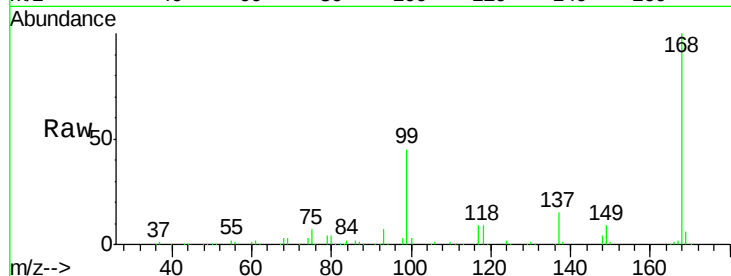
FB02-071718

Tgt Ion:168 Resp: 254160

Ion Ratio Lower Upper

168 100

99 45.1 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

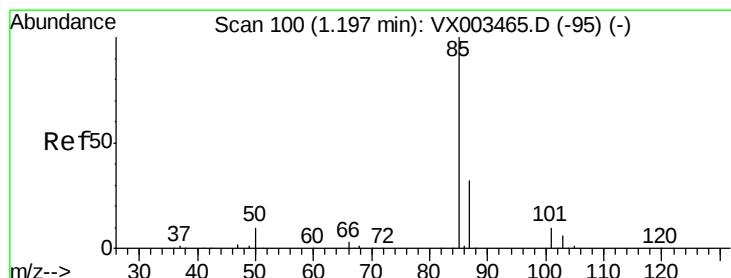
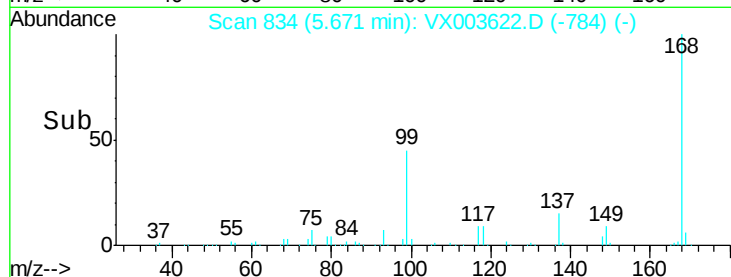
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.20 min Scan# 101

Delta R.T. 0.01 min

Lab File: VX003622.D

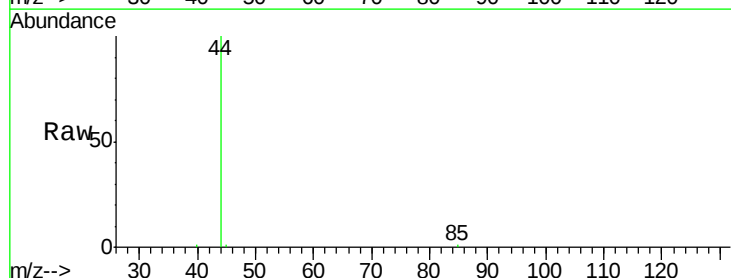
Acq: 24 Jul 2018 00:29

Tgt Ion: 85 Resp: 71

Ion Ratio Lower Upper

85 100

87 0.0 16.0 47.9#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

80

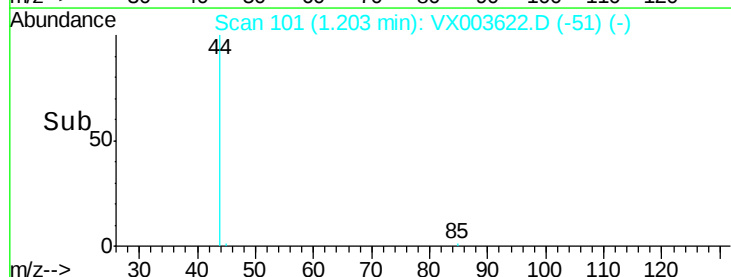
60

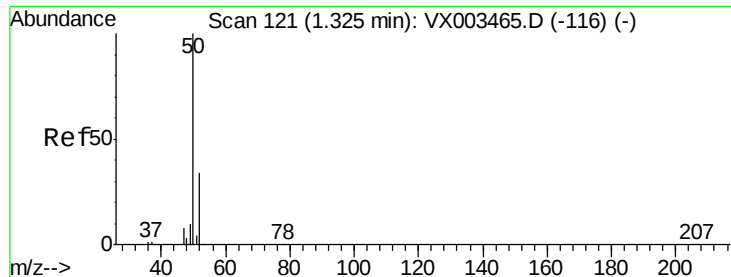
40

20

0

Time--> 1.18 1.20 1.22





#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003622.D

Acq: 24 Jul 2018 00:29

Instrument :

MSVOA_X

ClientSampleId :

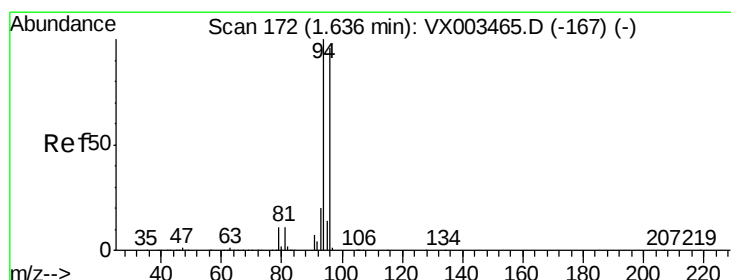
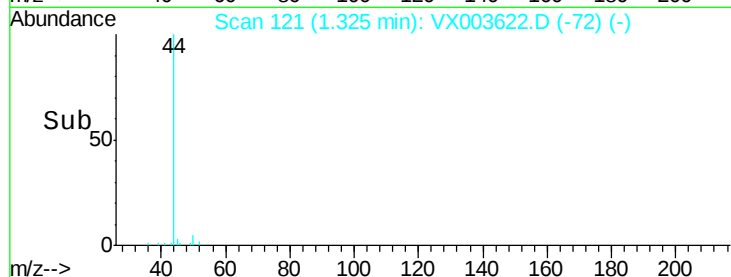
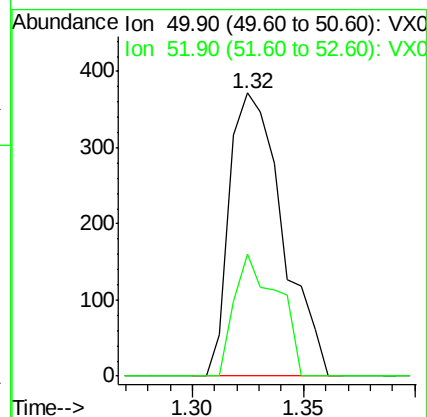
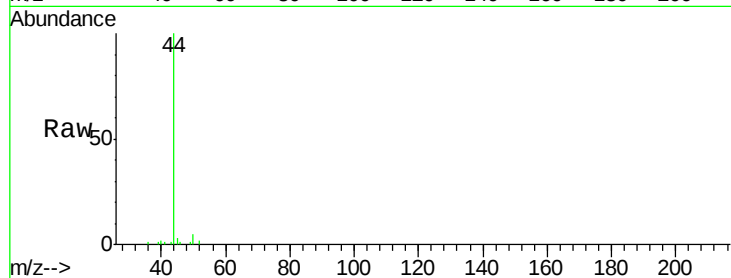
FB02-071718

Tgt Ion: 50 Resp: 613

Ion Ratio Lower Upper

50 100

52 43.3 25.7 38.5#



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 175

Delta R.T. 0.02 min

Lab File: VX003622.D

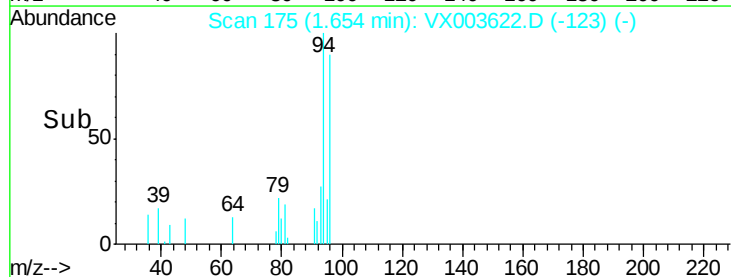
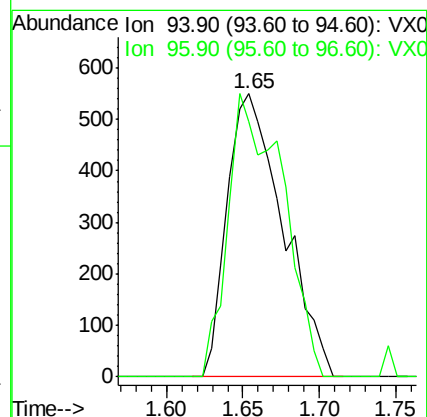
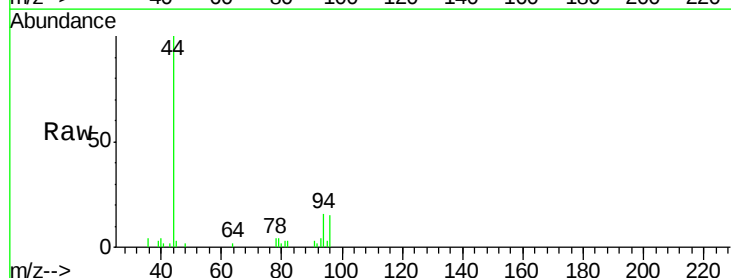
Acq: 24 Jul 2018 00:29

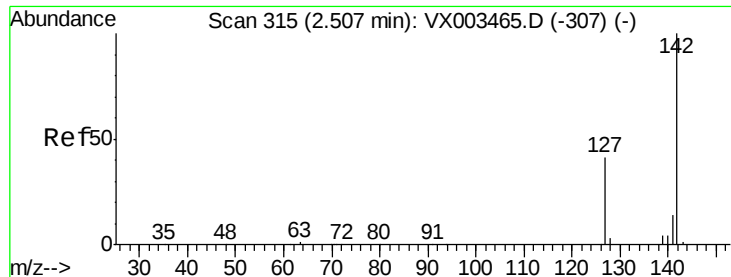
Tgt Ion: 94 Resp: 1396

Ion Ratio Lower Upper

94 100

96 90.2 74.9 112.3

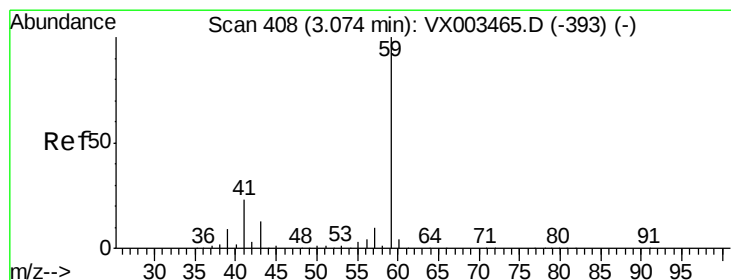
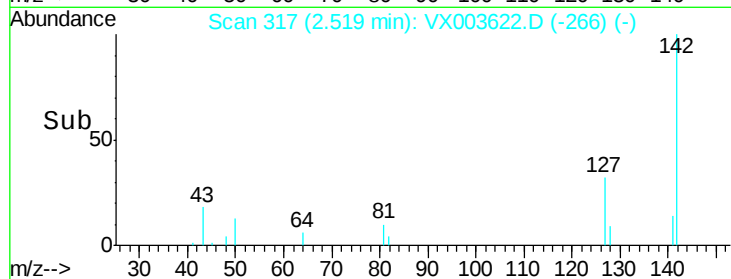
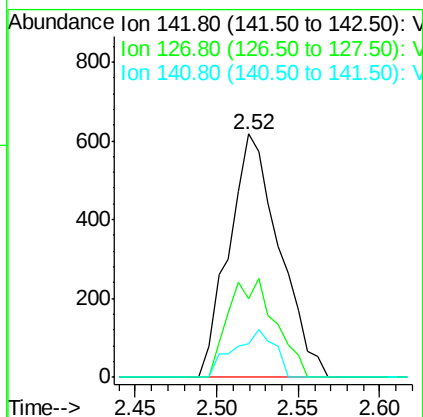
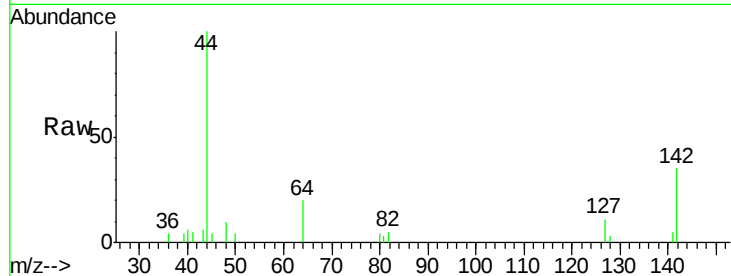




#10
Methyl Iodide
Concen: 0.391 ug/l
RT: 2.52 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX003622.D
Acq: 24 Jul 2018 00:29

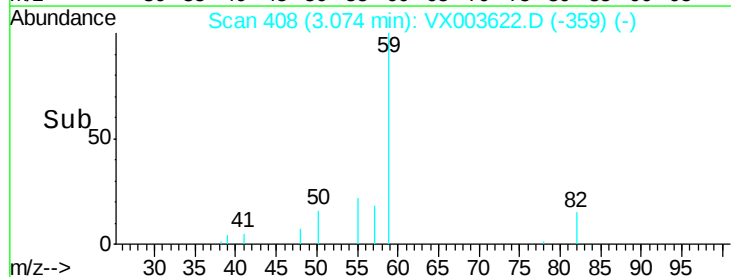
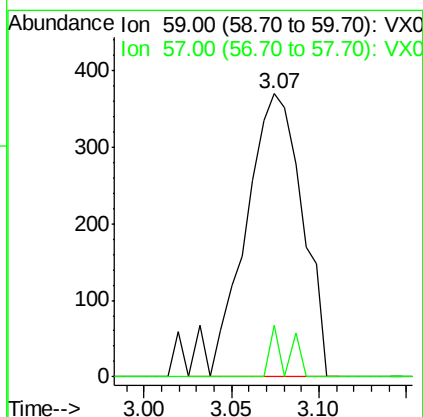
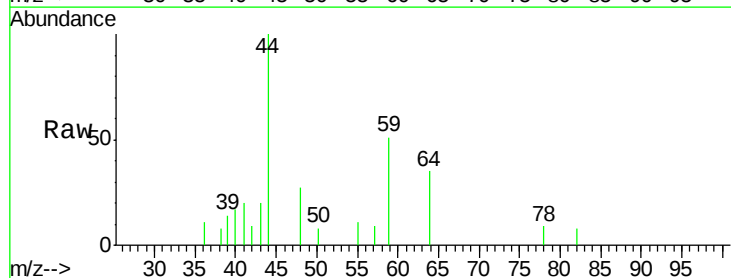
Instrument :
MSVOA_X
ClientSampleId :
FB02-071718

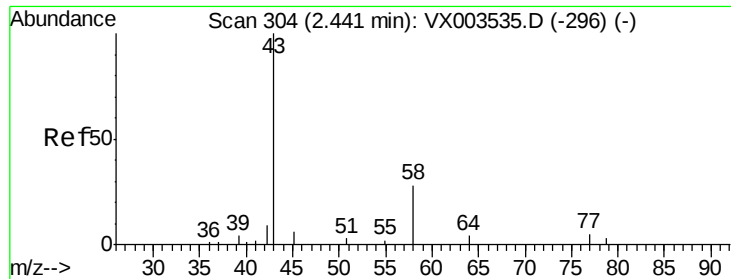
Tgt Ion: 142 Resp: 1325
Ion Ratio Lower Upper
142 100
127 37.7 36.6 55.0
141 15.8 11.3 16.9



#11
Tert butyl alcohol
Concen: 1.419 ug/l
RT: 3.07 min Scan# 408
Delta R.T. -0.00 min
Lab File: VX003622.D
Acq: 24 Jul 2018 00:29

Tgt Ion: 59 Resp: 845
Ion Ratio Lower Upper
59 100
57 5.4 8.2 12.2#





#16

Acetone

Concen: 10.623 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.00 min

Lab File: VX003622.D

Acq: 24 Jul 2018 00:29

Instrument :

MSVOA_X

ClientSampleId :

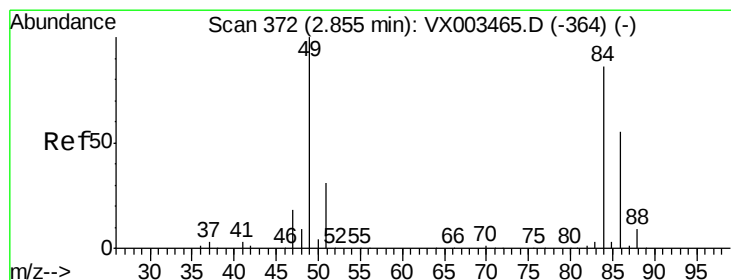
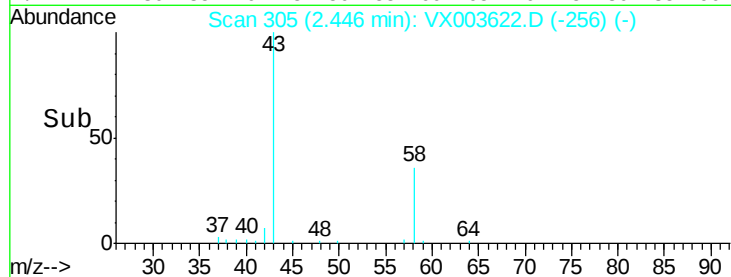
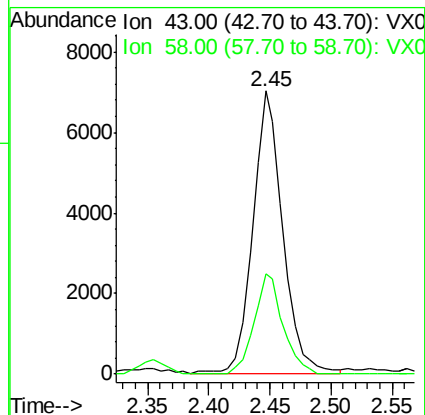
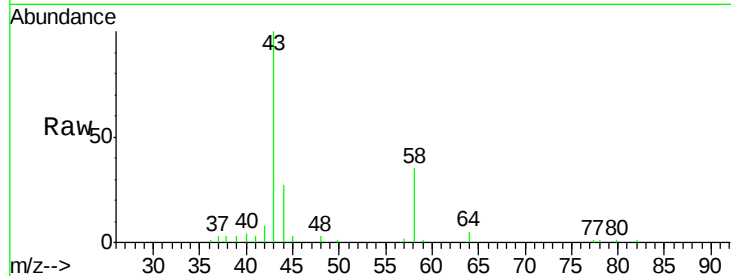
FB02-071718

Tgt Ion: 43 Resp: 12072

Ion Ratio Lower Upper

43 100

58 35.3 22.1 33.1#



#20

Methylene Chloride

Concen: Below Cal

RT: 2.86 min Scan# 373

Delta R.T. 0.01 min

Lab File: VX003622.D

Acq: 24 Jul 2018 00:29

Tgt Ion: 84 Resp: 300

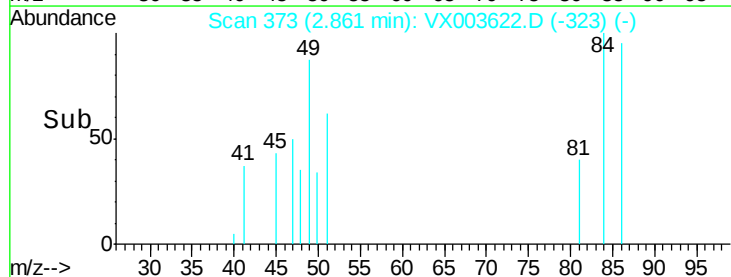
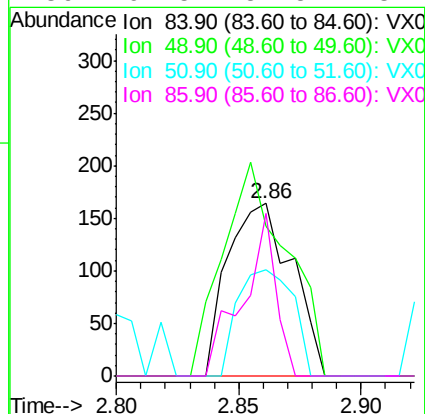
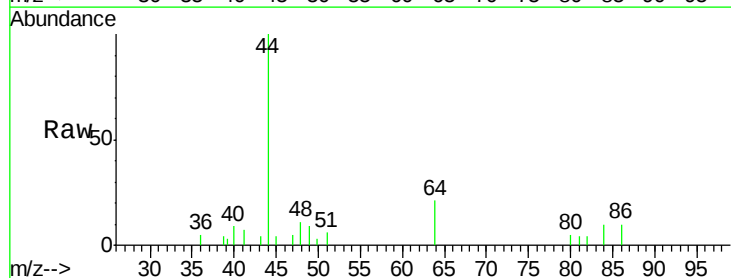
Ion Ratio Lower Upper

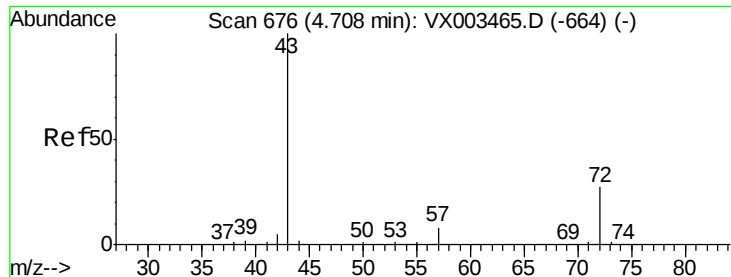
84 100

49 87.2 107.8 161.6#

51 61.6 32.8 49.2#

86 94.5 52.5 78.7#





#25

2-Butanone

Concen: 2.682 ug/l

RT: 4.71 min Scan# 677

Delta R.T. 0.01 min

Lab File: VX003622.D

Acq: 24 Jul 2018 00:29

Instrument :

MSVOA_X

ClientSampleId :

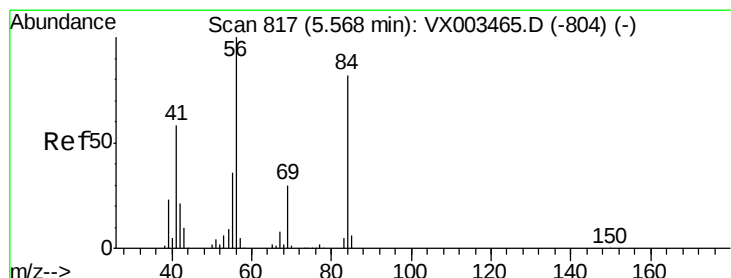
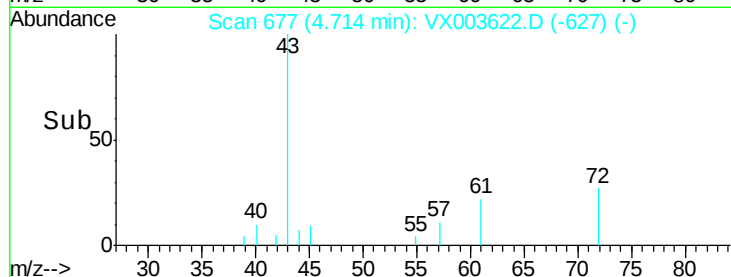
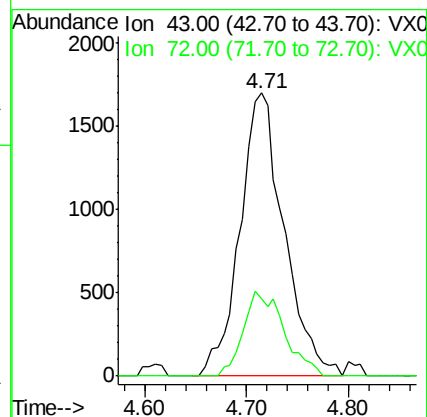
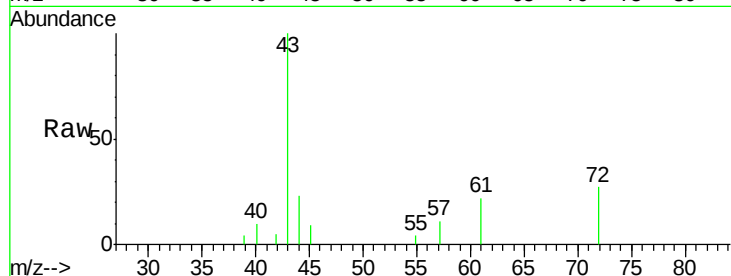
FB02-071718

Tgt Ion: 43 Resp: 5113

Ion Ratio Lower Upper

43 100

72 27.2 18.5 27.7



#31

Cyclohexane

Concen: 0.828 ug/l

RT: 5.66 min Scan# 832

Delta R.T. 0.09 min

Lab File: VX003622.D

Acq: 24 Jul 2018 00:29

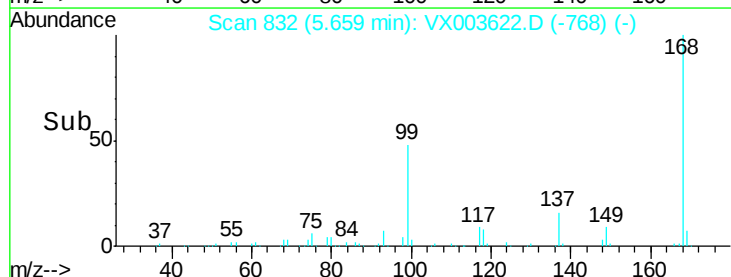
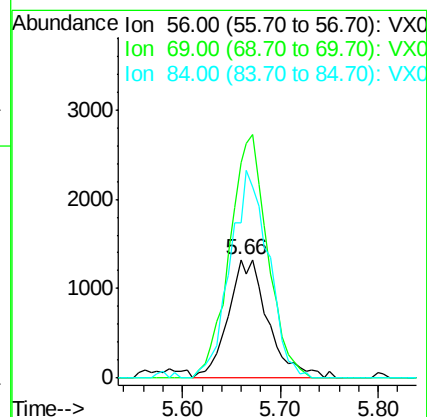
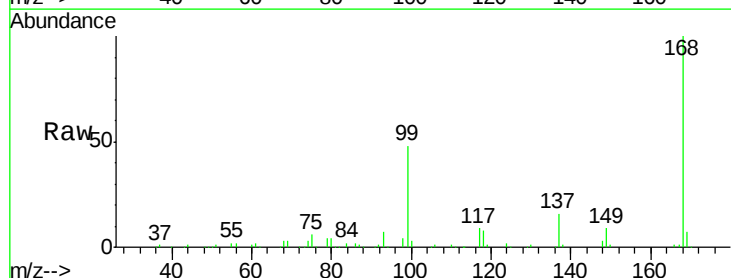
Tgt Ion: 56 Resp: 3752

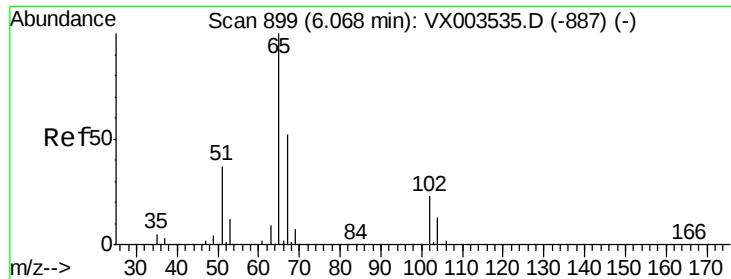
Ion Ratio Lower Upper

56 100

69 182.7 23.7 35.5#

84 131.2 64.1 96.1#





#33

1,2-Dichloroethane-d4

Concen: 49.885 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.01 min

Lab File: VX003622.D

Acq: 24 Jul 2018 00:29

Instrument :

MSVOA_X

ClientSampleId :

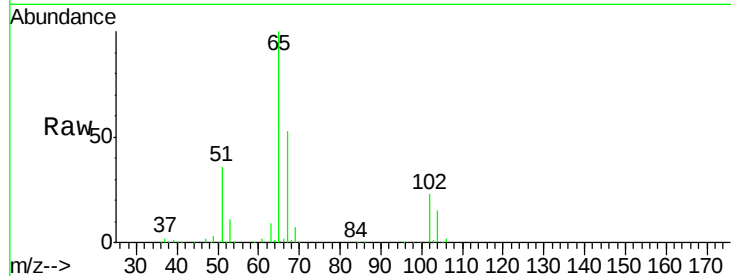
FB02-071718

Tgt Ion: 65 Resp: 150082

Ion Ratio Lower Upper

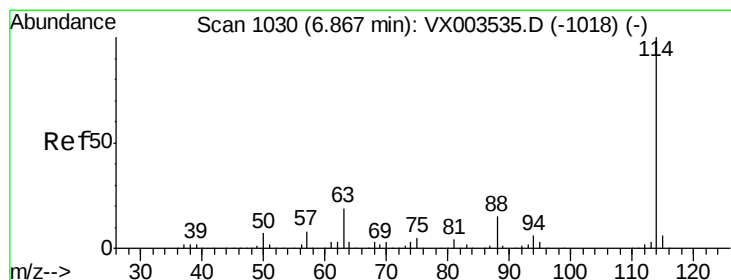
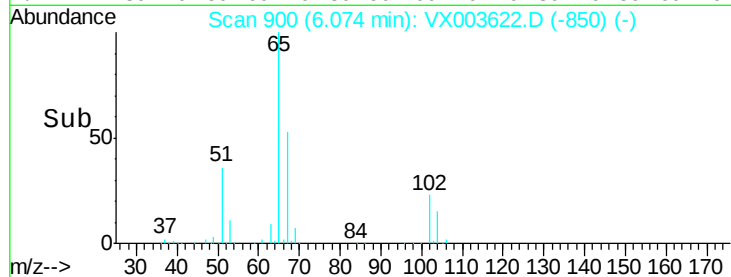
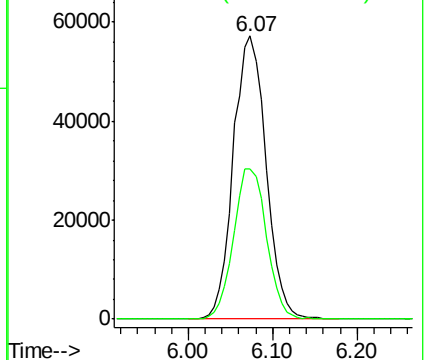
65 100

67 53.8 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VX003622.D

Acq: 24 Jul 2018 00:29

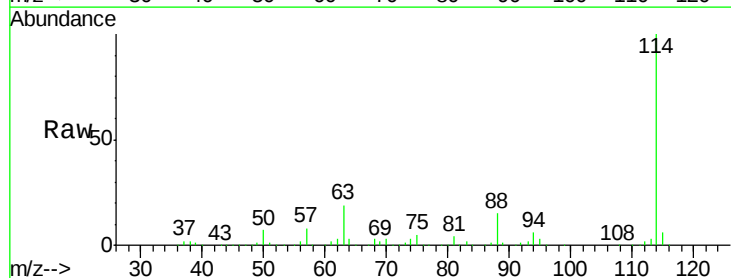
Tgt Ion: 114 Resp: 365841

Ion Ratio Lower Upper

114 100

63 18.7 0.0 41.4

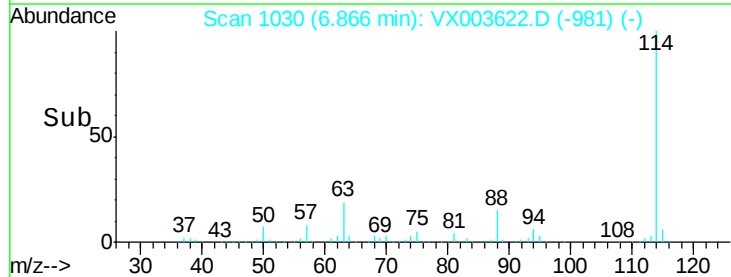
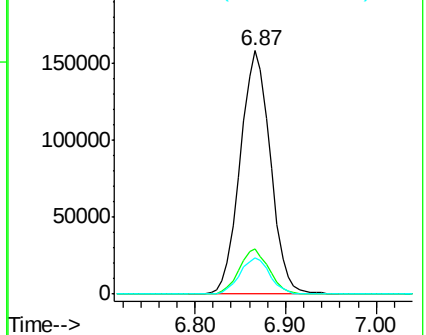
88 14.7 0.0 30.0

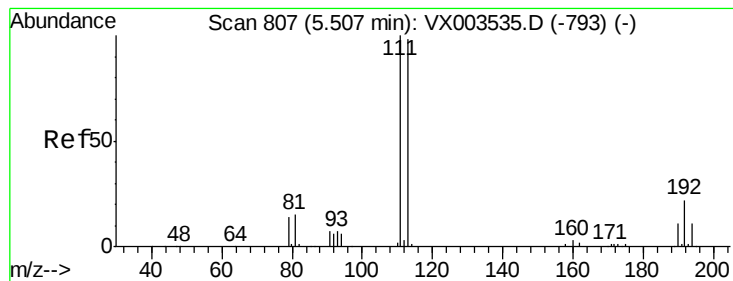


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 49.800 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.00 min

Lab File: VX003622.D

Acq: 24 Jul 2018 00:29

Instrument :

MSVOA_X

ClientSampleId :

FB02-071718

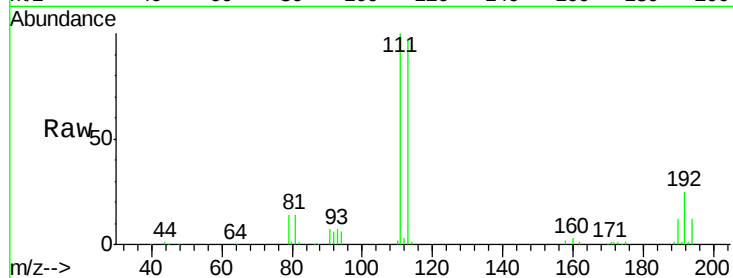
Tgt Ion:113 Resp: 138768

Ion Ratio Lower Upper

113 100

111 101.1 81.4 122.0

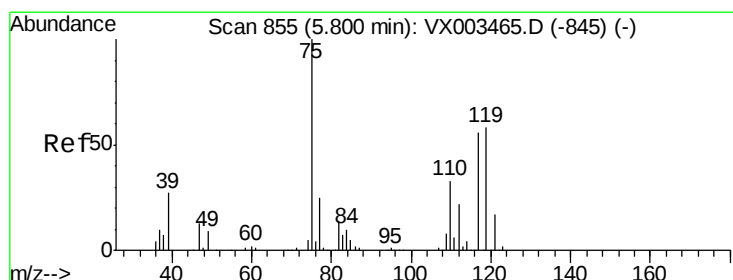
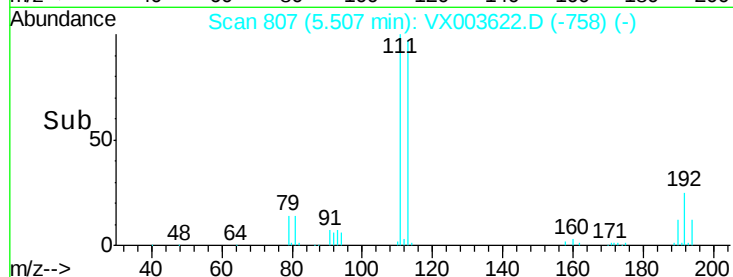
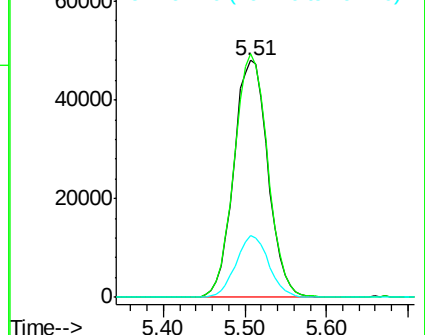
192 25.0 19.1 28.7



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: 3.827 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.13 min

Lab File: VX003622.D

Acq: 24 Jul 2018 00:29

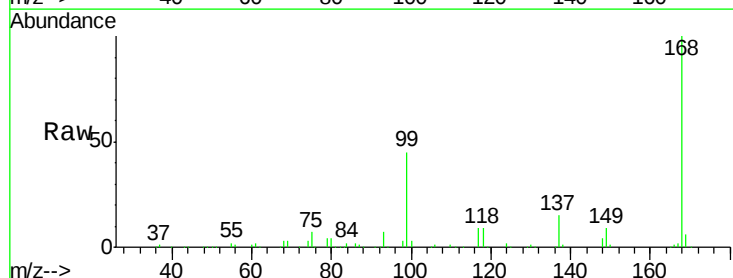
Tgt Ion: 75 Resp: 15117

Ion Ratio Lower Upper

75 100

110 9.3 18.1 54.4#

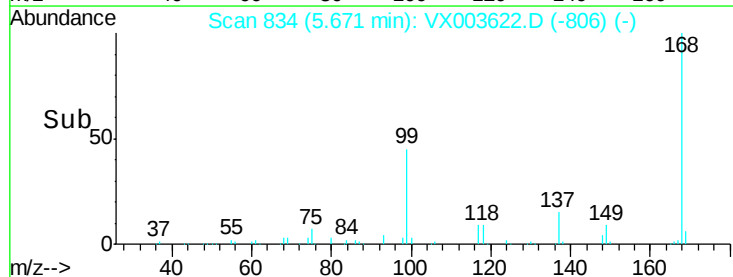
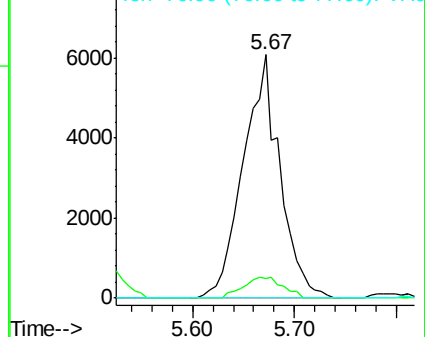
77 0.0 24.3 36.5#

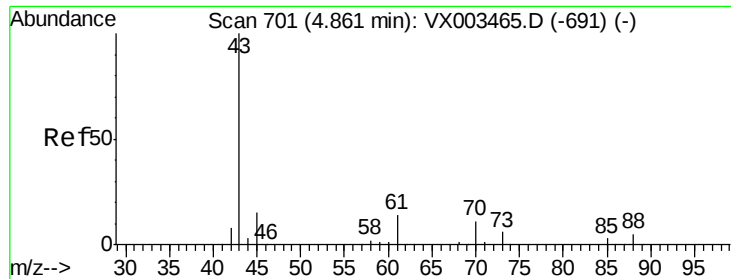


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#37

Ethyl Acetate

Concen: 1.368 ug/l

RT: 4.71 min Scan# 677

Delta R.T. -0.15 min

Lab File: VX003622.D

Acq: 24 Jul 2018 00:29

Instrument :

MSVOA_X

ClientSampleId :

FB02-071718

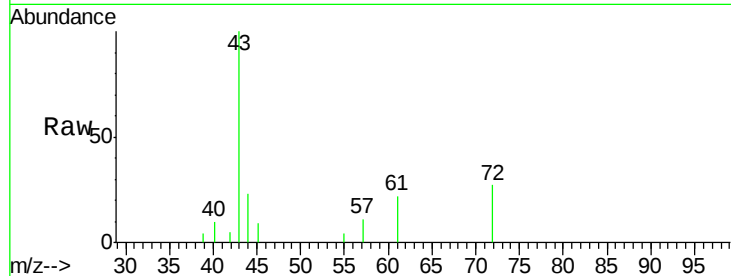
Tgt Ion: 43 Resp: 5113

Ion Ratio Lower Upper

43 100

61 0.0 10.4 15.6#

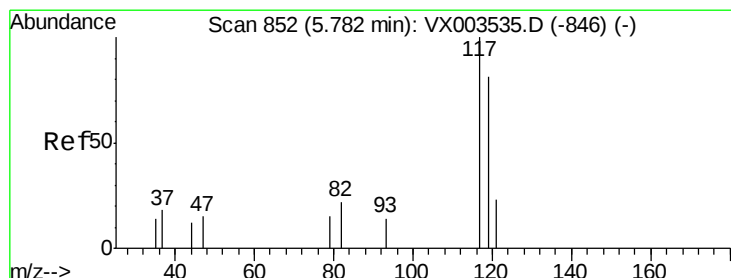
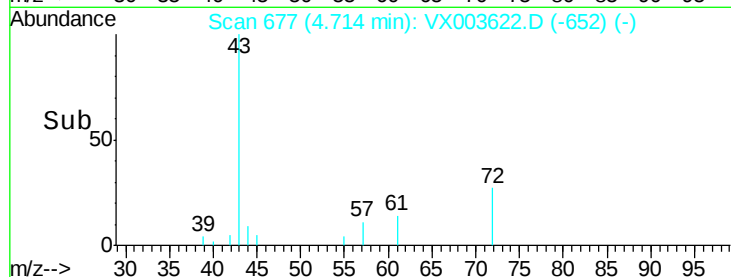
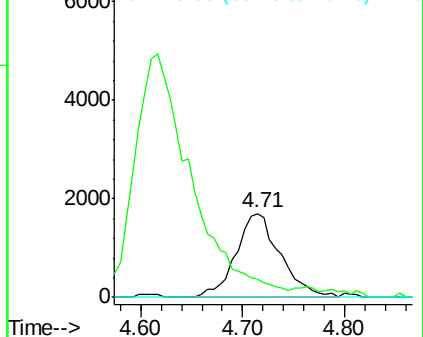
70 0.0 7.6 11.4#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0



#38

Carbon Tetrachloride

Concen: 5.454 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.11 min

Lab File: VX003622.D

Acq: 24 Jul 2018 00:29

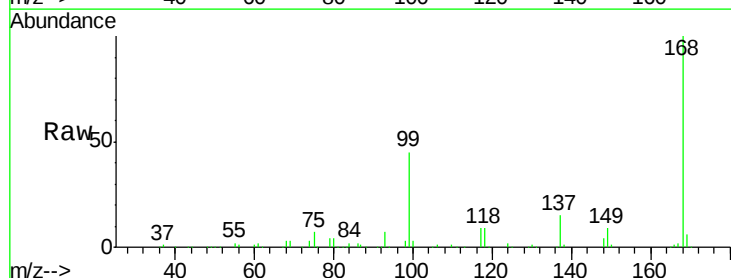
Tgt Ion: 117 Resp: 21130

Ion Ratio Lower Upper

117 100

119 5.1 77.4 116.0#

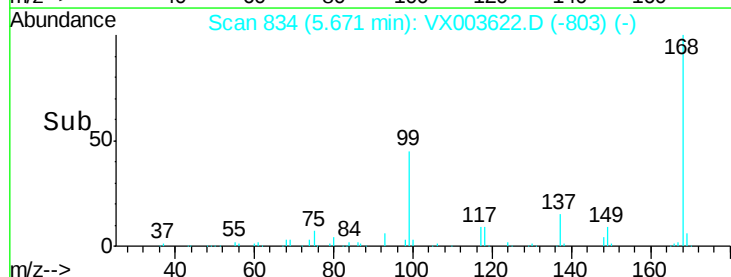
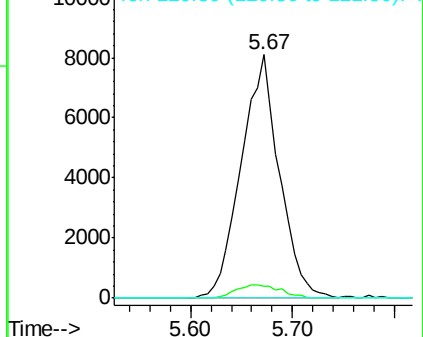
121 0.0 24.4 36.6#

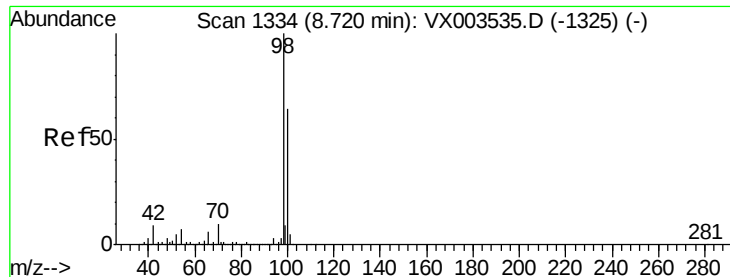


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

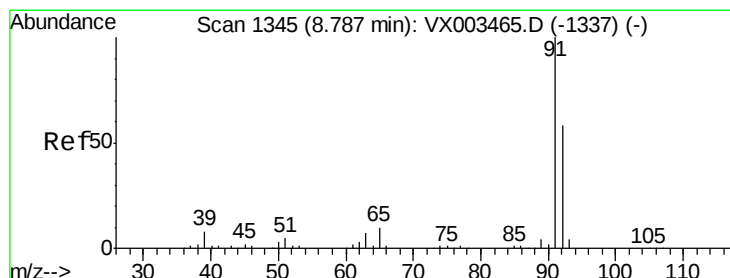
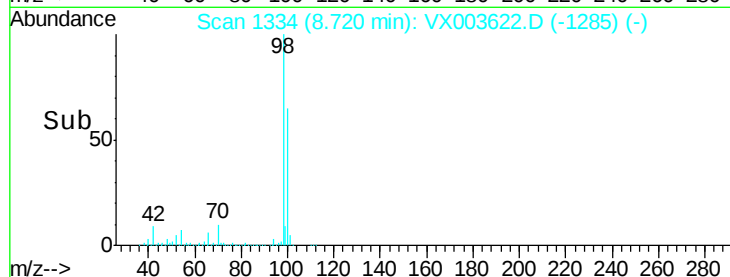
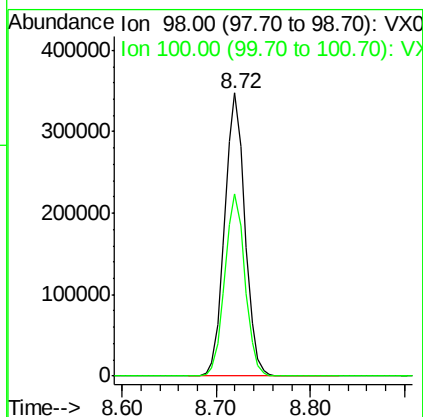
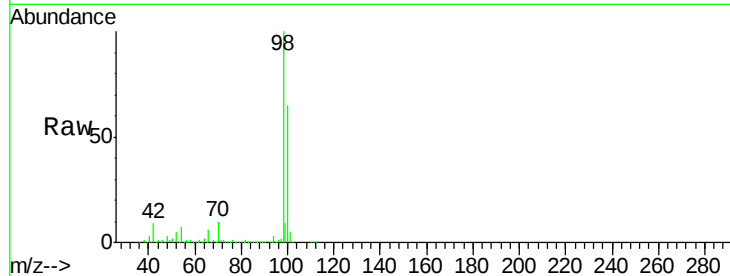




#50
Toluene-d8
Concen: 49.571 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003622.D
Acq: 24 Jul 2018 00:29

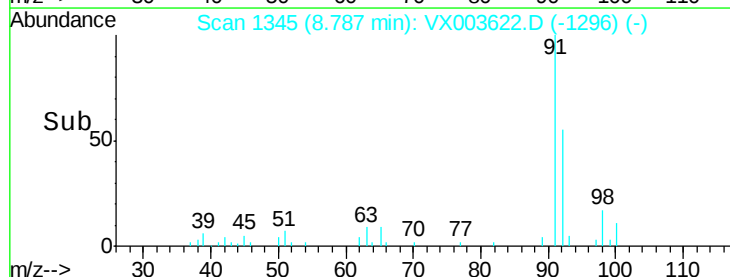
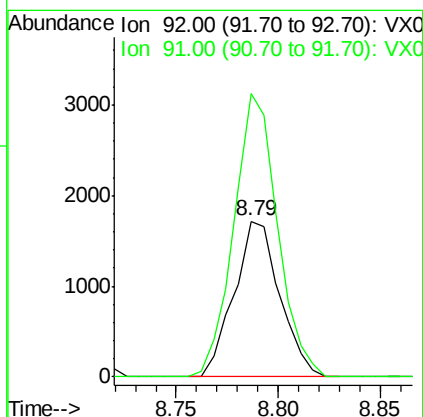
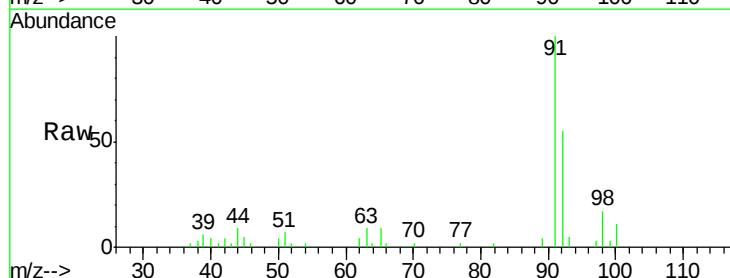
Instrument :
MSVOA_X
ClientSampleId :
FB02-071718

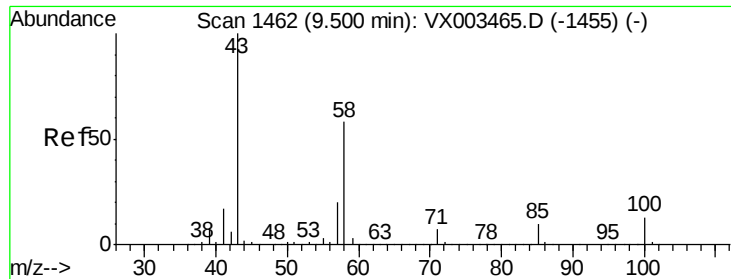
Tgt Ion: 98 Resp: 519180
Ion Ratio Lower Upper
98 100
100 64.4 50.9 76.3



#52
Toluene
Concen: 0.356 ug/l
RT: 8.79 min Scan# 1345
Delta R.T. -0.00 min
Lab File: VX003622.D
Acq: 24 Jul 2018 00:29

Tgt Ion: 92 Resp: 2671
Ion Ratio Lower Upper
92 100
91 173.6 140.4 210.6

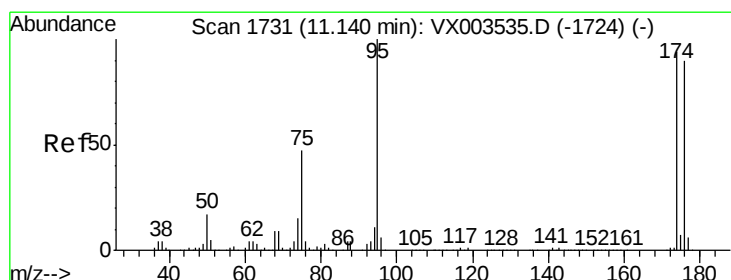
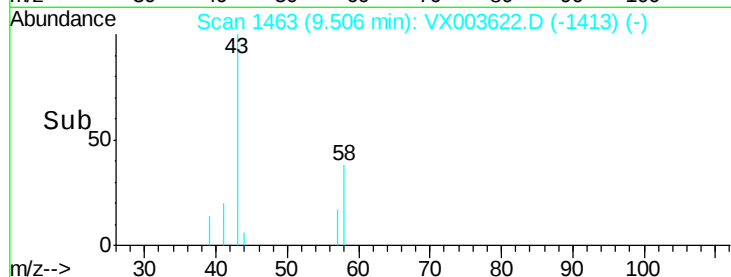
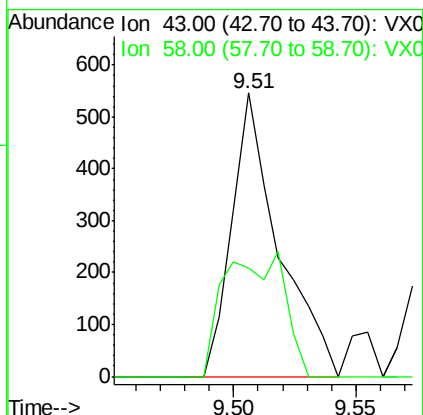
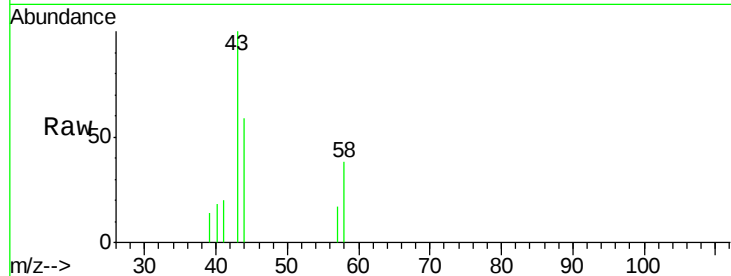




#59
2-Hexanone
Concen: 0.261 ug/l
RT: 9.51 min Scan# 1463
Delta R.T. 0.01 min
Lab File: VX003622.D
Acq: 24 Jul 2018 00:29

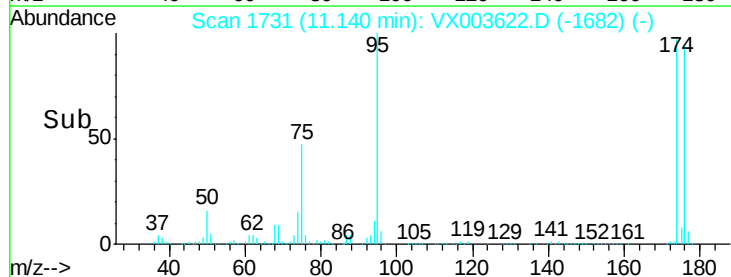
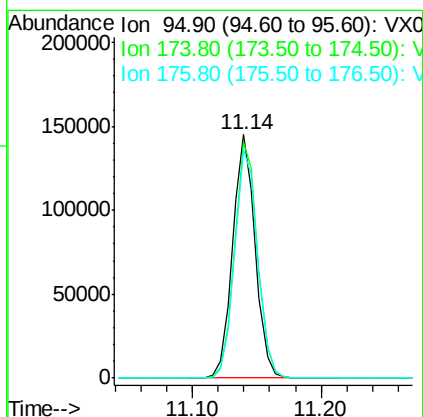
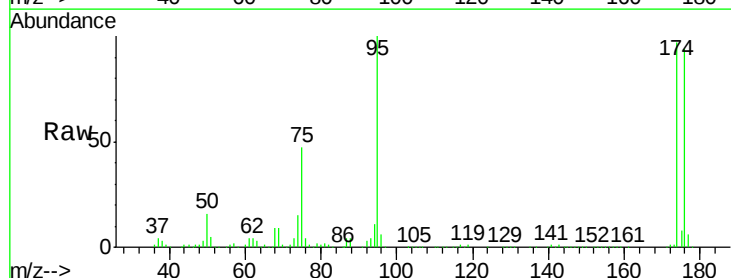
Instrument :
MSVOA_X
ClientSampleId :
FB02-071718

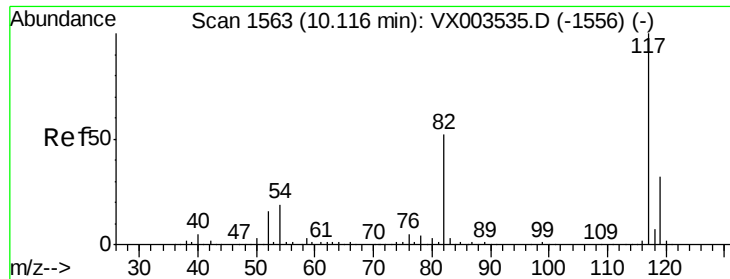
Tgt Ion: 43 Resp: 725
Ion Ratio Lower Upper
43 100
58 56.3 24.6 73.6



#62
4-Bromofluorobenzene
Concen: 46.266 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.00 min
Lab File: VX003622.D
Acq: 24 Jul 2018 00:29

Tgt Ion: 95 Resp: 176838
Ion Ratio Lower Upper
95 100
174 99.3 0.0 187.4
176 96.0 0.0 181.0

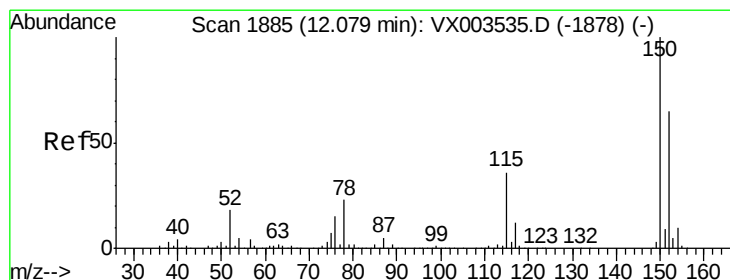
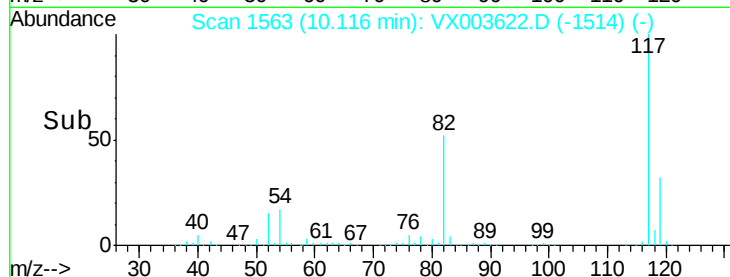
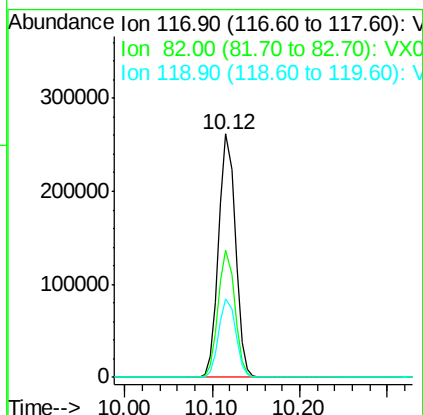
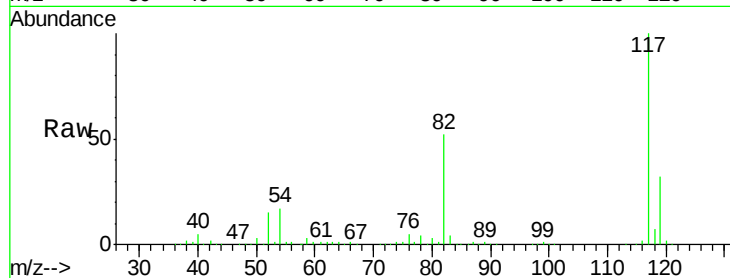




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX003622.D
Acq: 24 Jul 2018 00:29

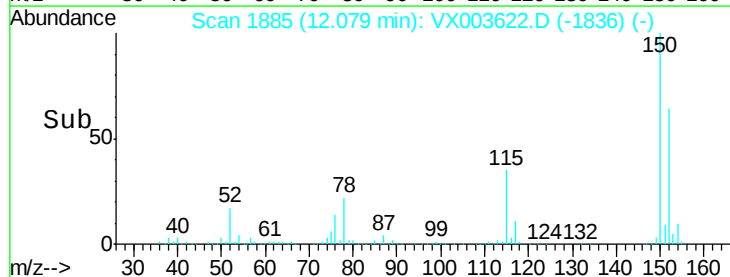
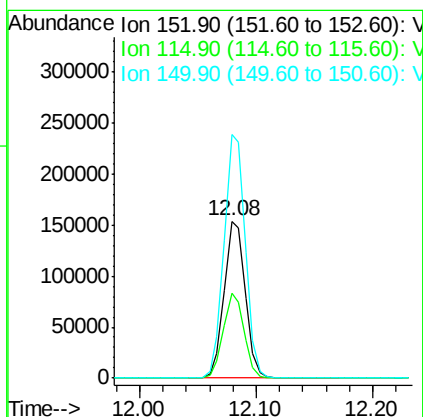
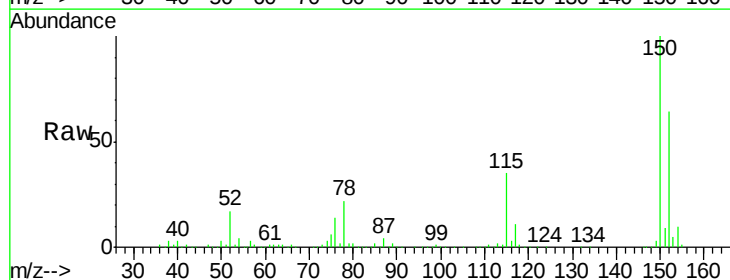
Instrument :
MSVOA_X
ClientSampleId :
FB02-071718

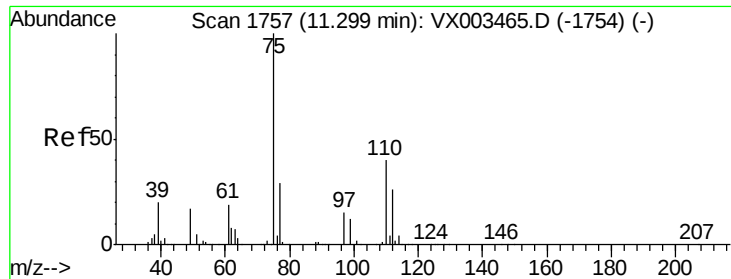
Tgt Ion:117 Resp: 347344
Ion Ratio Lower Upper
117 100
82 52.4 45.0 67.4
119 32.3 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VX003622.D
Acq: 24 Jul 2018 00:29

Tgt Ion:152 Resp: 192614
Ion Ratio Lower Upper
152 100
115 53.2 40.1 120.2
150 156.3 0.0 347.2

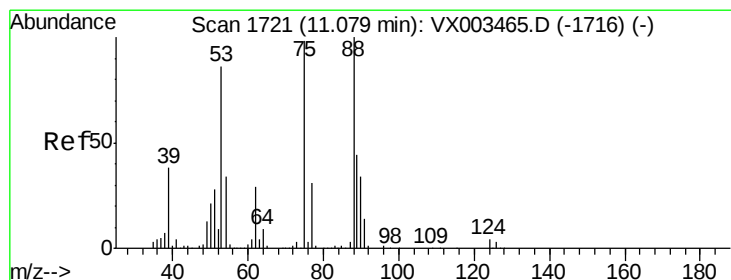
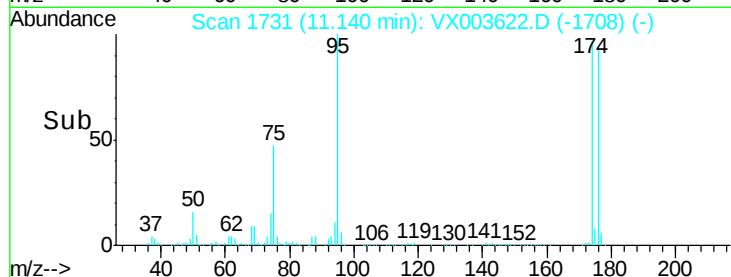
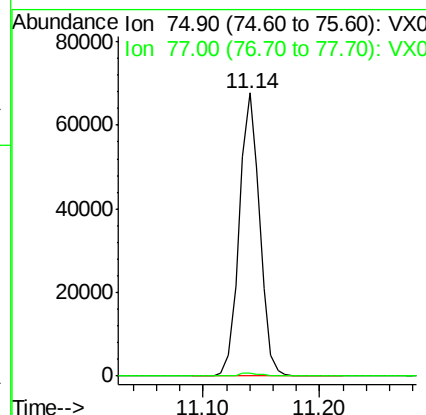
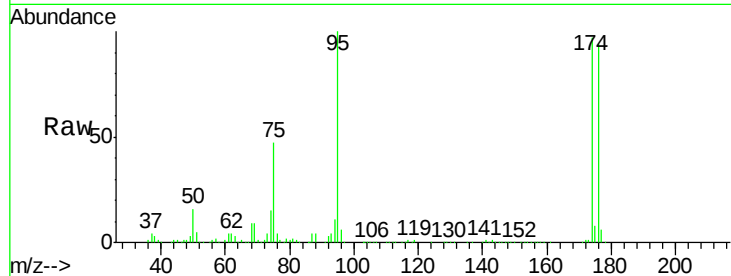




#76
 1,2,3-Trichloropropane
 Concen: 23.885 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.16 min
 Lab File: VX003622.D
 Acq: 24 Jul 2018 00:29

Instrument :
 MSVOA_X
 ClientSampleId :
 FB02-071718

Tgt Ion: 75 Resp: 82650
 Ion Ratio Lower Upper
 75 100
 77 1.3 22.8 68.3#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 66.993 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX003622.D
 Acq: 24 Jul 2018 00:29

Tgt Ion: 75 Resp: 82650
 Ion Ratio Lower Upper
 75 100
 53 0.1 86.8 130.2#
 89 0.0 38.2 57.2#

