

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX091318\
 Data File : VX004519.D
 Acq On : 13 Sep 2018 16:35
 Operator : JC/MD
 Sample : J4892-07
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FB-091118

Quant Time: Sep 14 03:54:35 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 12 02:17:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	250750	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	372059	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	332207	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	184831	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	167541	51.82	ug/l	0.00
Spiked Amount			Recovery	=	103.64%	
35) Dibromofluoromethane	5.50	113	157219	46.18	ug/l	0.00
Spiked Amount			Recovery	=	92.36%	
50) Toluene-d8	8.72	98	545691	47.79	ug/l	0.00
Spiked Amount			Recovery	=	95.58%	
62) 4-Bromofluorobenzene	11.14	95	168076	41.24	ug/l	0.00
Spiked Amount			Recovery	=	82.48%	

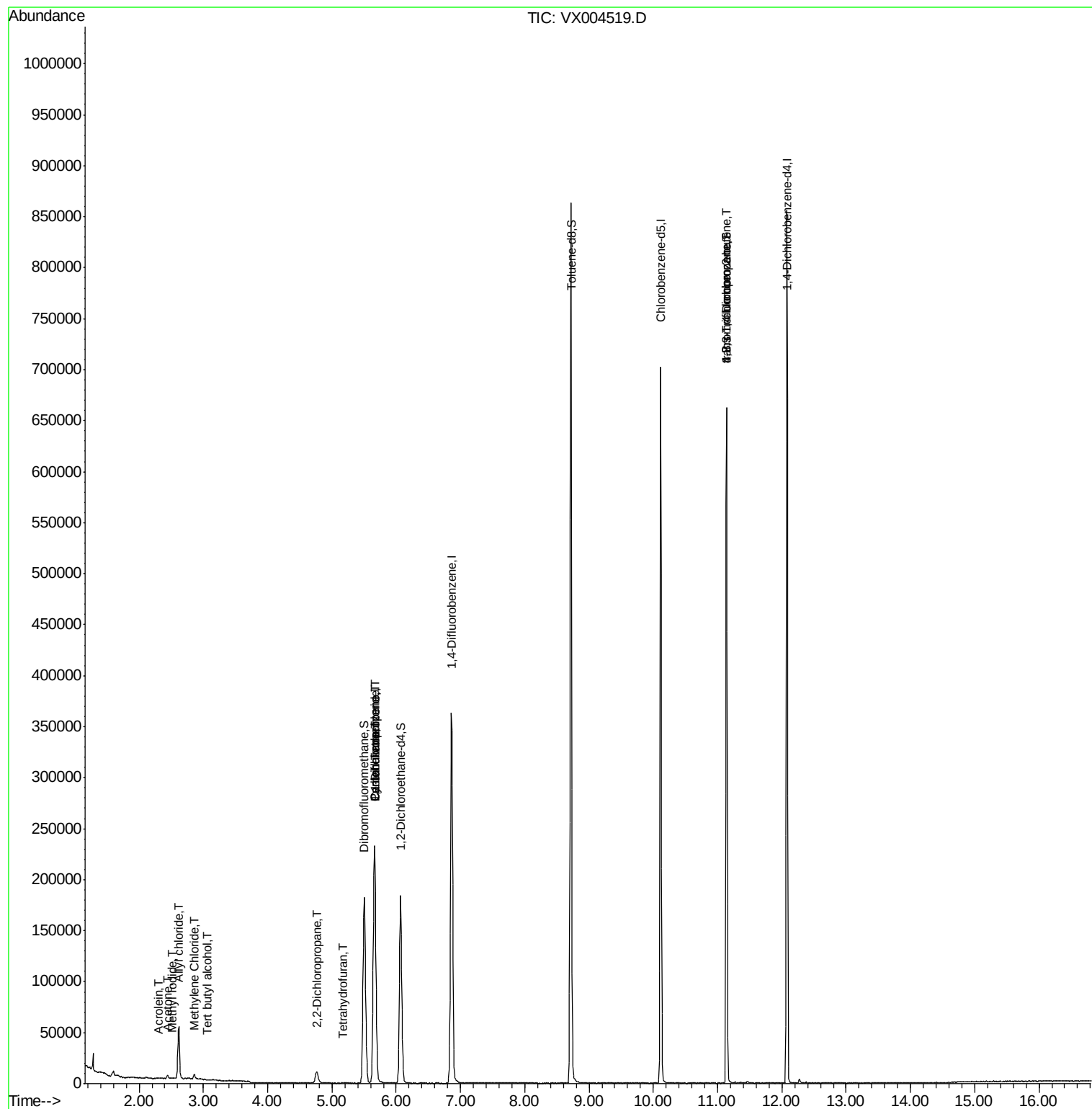
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.66	94	653	Below Cal		91
10) Methyl Iodide	2.52	142	311	4.34	ug/l #	80
11) Tert butyl alcohol	3.07	59	447	0.58	ug/l #	84
13) Acrolein	2.30	56	123	0.40	ug/l #	34
14) Allyl chloride	2.62	41	4897	0.91	ug/l #	64
16) Acetone	2.45	43	3507	2.22	ug/l	95
20) Methylene Chloride	2.86	84	2056	0.64	ug/l #	84
26) 2,2-Dichloropropane	4.77	77	932	0.25	ug/l #	52
29) Tetrahydrofuran	5.17	42	555	0.37	ug/l #	47
31) Cyclohexane	5.67	56	4309	0.92	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	16834	3.73	ug/l #	48
38) Carbon Tetrachloride	5.66	117	21377	4.85	ug/l #	15
76) 1,2,3-Trichloropropane	11.14	75	79540	21.39	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.14	75	79540	68.18	ug/l #	10

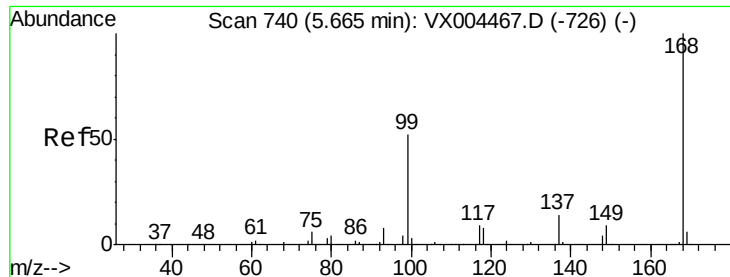
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampled :
FB-091118

Quant Time: Sep 14 03:54:35 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 12 02:17:23 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 741

Delta R.T. 0.01 min

Lab File: VX004519.D

Acq: 13 Sep 2018 16:35

Instrument :

MSVOA_X

ClientSampleId :

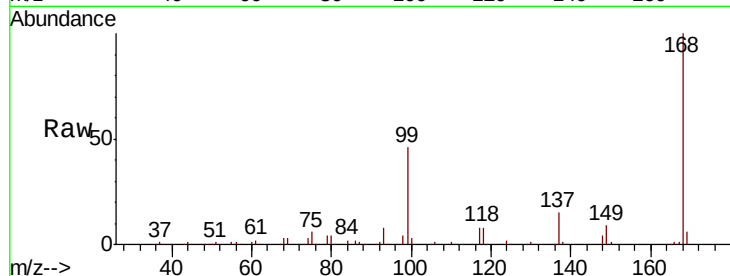
FB-091118

Tot Ion:168 Resp: 250750

Ion Ratio Lower Upper

168 100

99 46.0 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

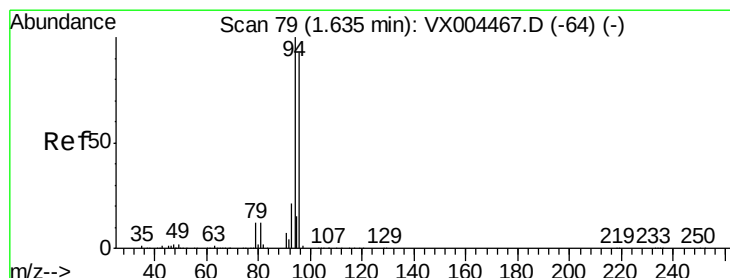
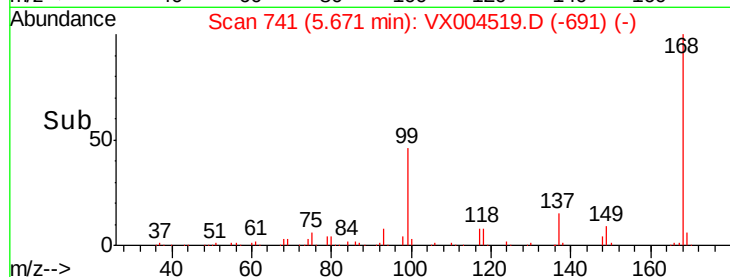
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.66 min Scan# 83

Delta R.T. 0.02 min

Lab File: VX004519.D

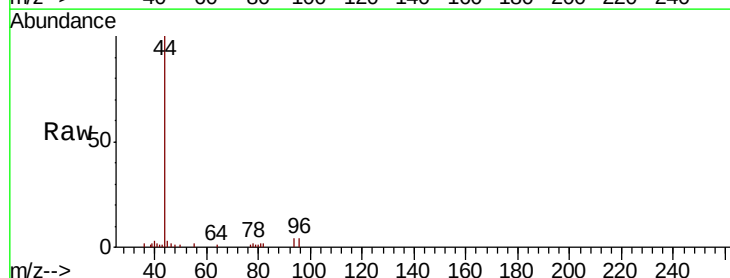
Acq: 13 Sep 2018 16:35

Tgt Ion: 94 Resp: 653

Ion Ratio Lower Upper

94 100

96 84.8 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.66

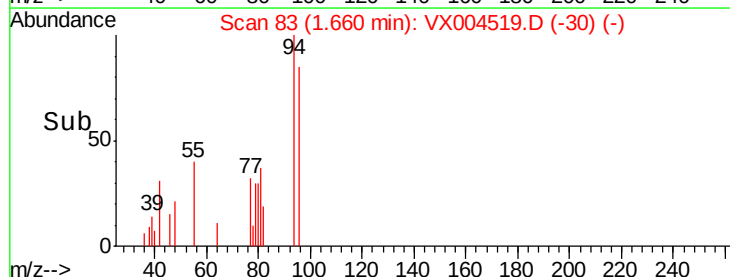
300

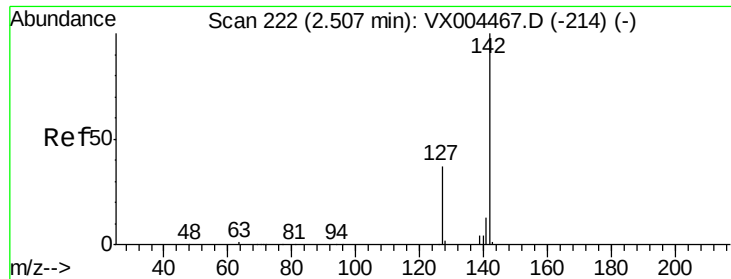
200

100

0

Time--> 1.60 1.65 1.70

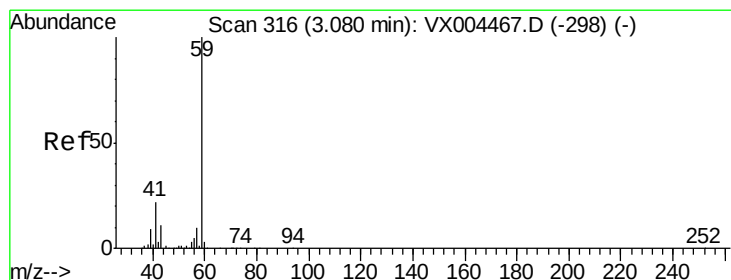
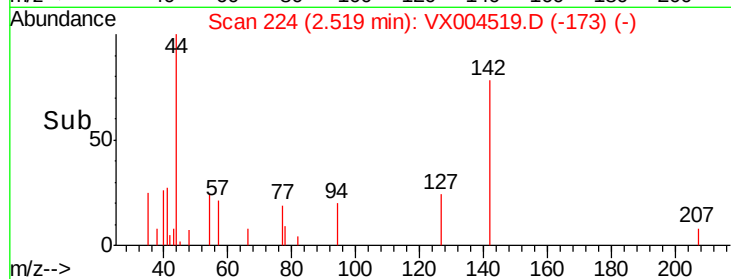
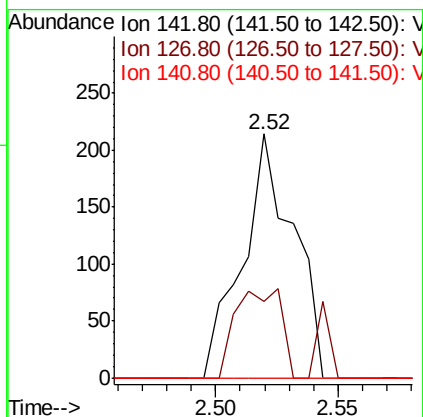
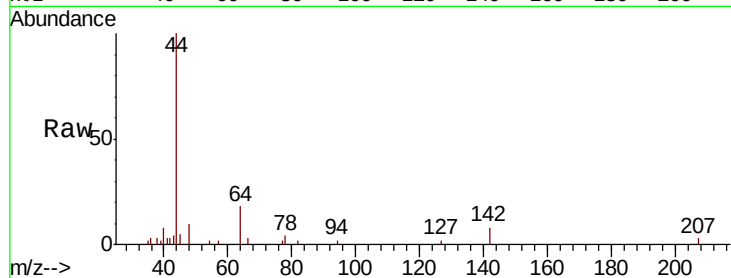




#10
Methyl Iodide
Concen: 4.34 ug/l
RT: 2.52 min Scan# 224
Delta R.T. 0.01 min
Lab File: VX004519.D
Acq: 13 Sep 2018 16:35

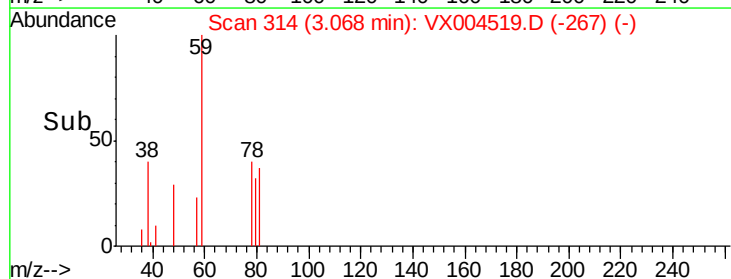
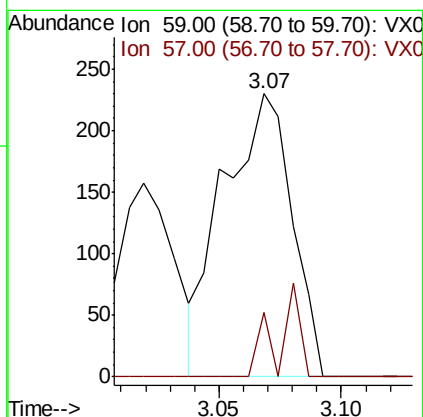
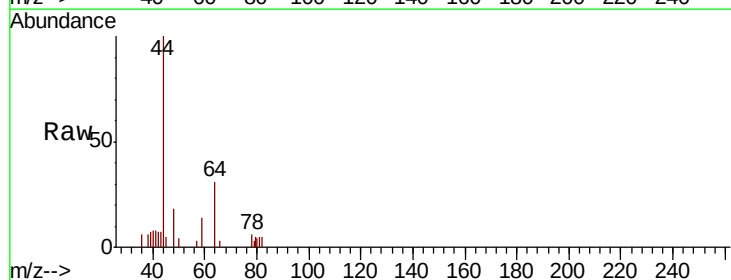
Instrument :
MSVOA_X
ClientSampled :
FB-091118

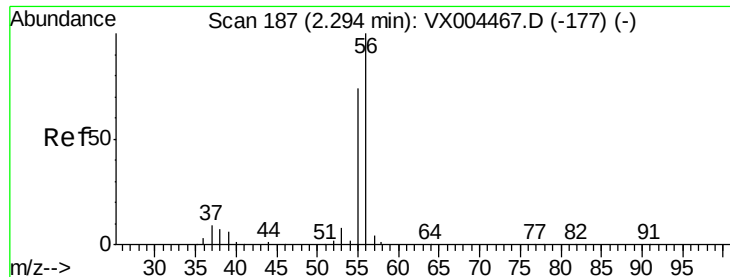
Tot Ion:142 Resp: 311
Ion Ratio Lower Upper
142 100
127 32.5 33.8 50.6#
141 0.0 11.4 17.0#



#11
Tert butyl alcohol
Concen: 0.58 ug/l
RT: 3.07 min Scan# 314
Delta R.T. -0.01 min
Lab File: VX004519.D
Acq: 13 Sep 2018 16:35

Tgt Ion: 59 Resp: 447
Ion Ratio Lower Upper
59 100
57 4.3 8.2 12.4#





#13

Acrolein

Concen: 0.40 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX004519.D

Acq: 13 Sep 2018 16:35

Instrument :

MSVOA_X

ClientSampled :

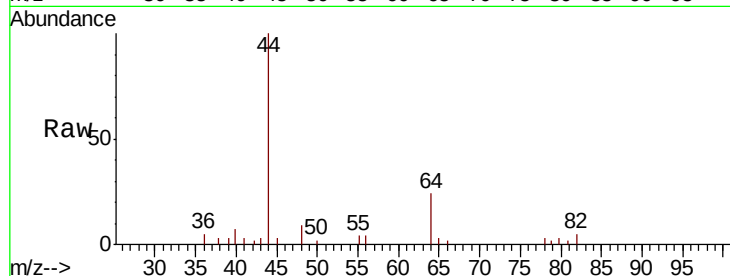
FB-091118

Tot Ion: 56 Resp: 123

Ion Ratio Lower Upper

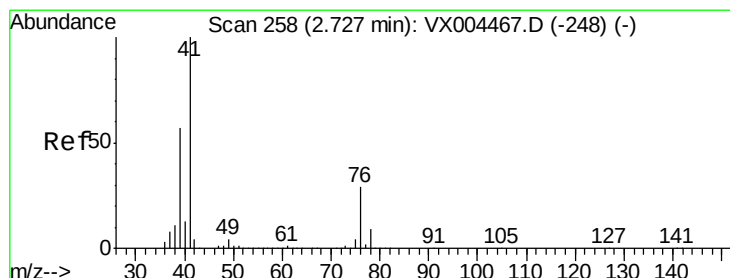
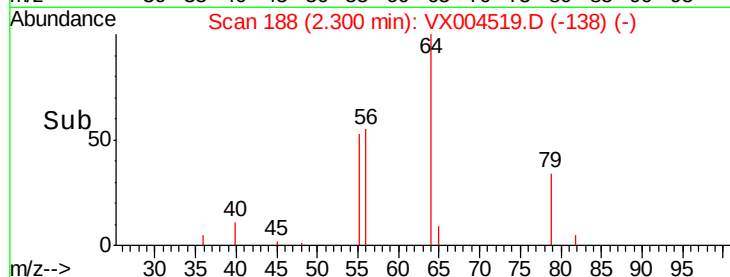
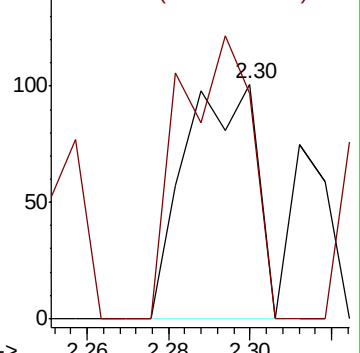
56 100

55 122.0 54.7 82.1#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 0.91 ug/l

RT: 2.62 min Scan# 240

Delta R.T. -0.11 min

Lab File: VX004519.D

Acq: 13 Sep 2018 16:35

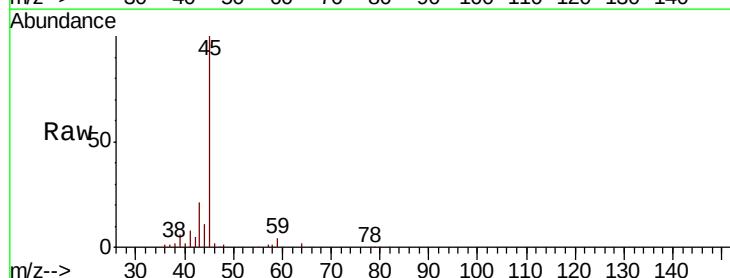
Tgt Ion: 41 Resp: 4897

Ion Ratio Lower Upper

41 100

39 78.9 48.9 73.3#

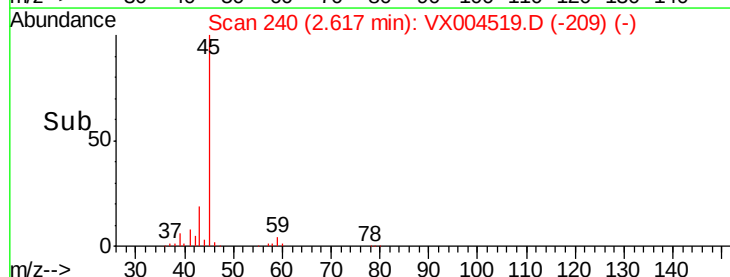
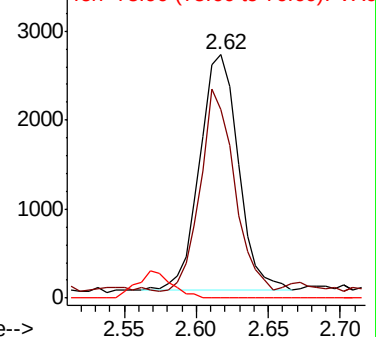
76 0.0 26.7 40.1#

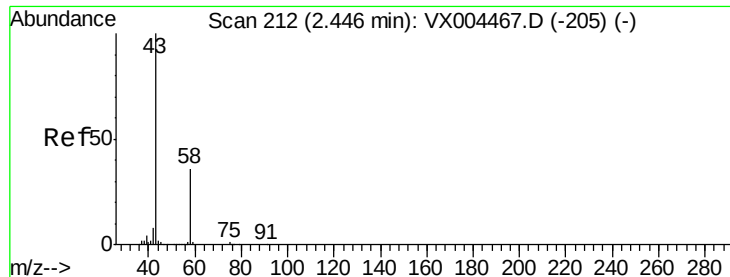


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#16

Acetone

Concen: 2.22 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX004519.D

Acq: 13 Sep 2018 16:35

Instrument :

MSVOA_X

ClientSampleId :

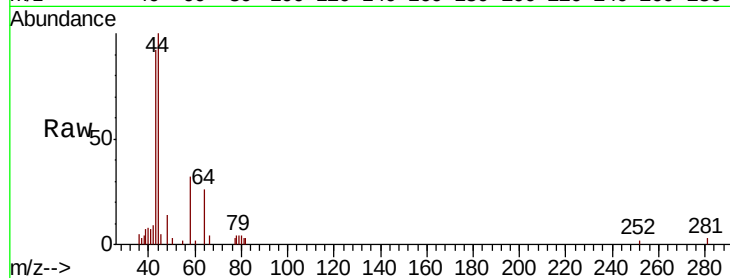
FB-091118

Tot Ion: 43 Resp: 3507

Ion Ratio Lower Upper

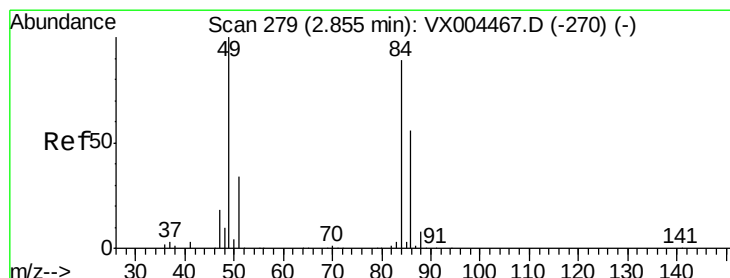
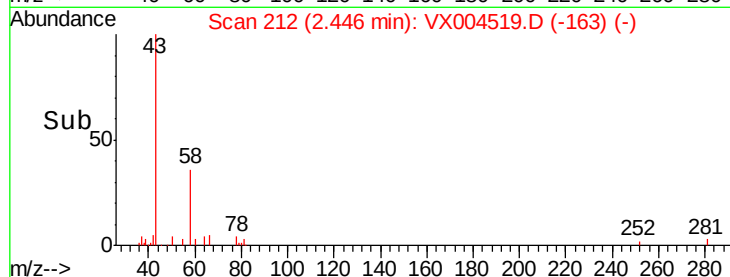
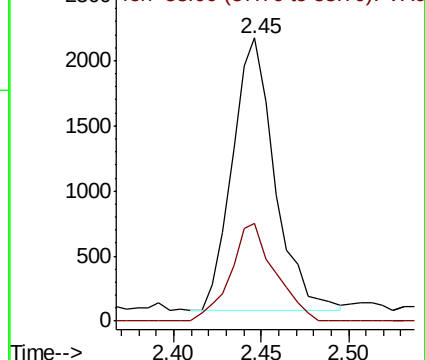
43 100

58 35.7 26.2 39.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#20

Methylene Chloride

Concen: 0.64 ug/l

RT: 2.86 min Scan# 280

Delta R.T. 0.01 min

Lab File: VX004519.D

Acq: 13 Sep 2018 16:35

Tgt Ion: 84 Resp: 2056

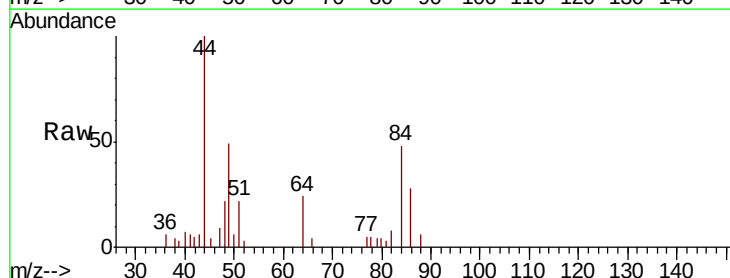
Ion Ratio Lower Upper

84 100

49 103.4 101.2 151.8

51 47.0 29.5 44.3#

86 58.1 52.3 78.5

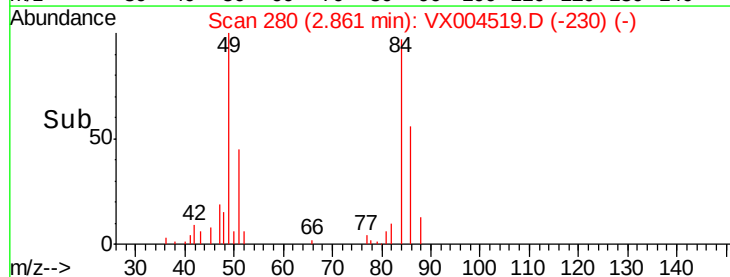
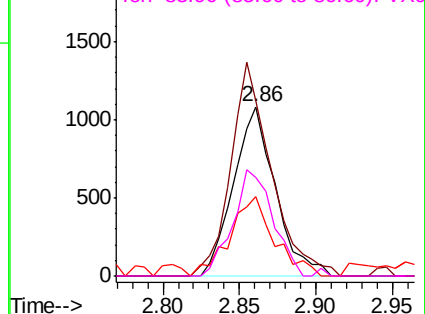


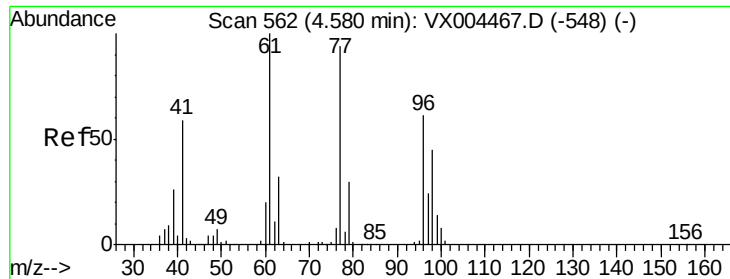
Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0

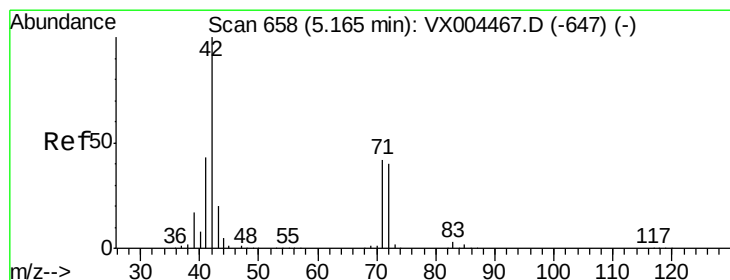
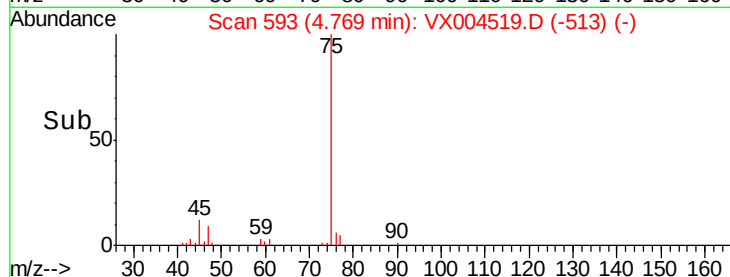
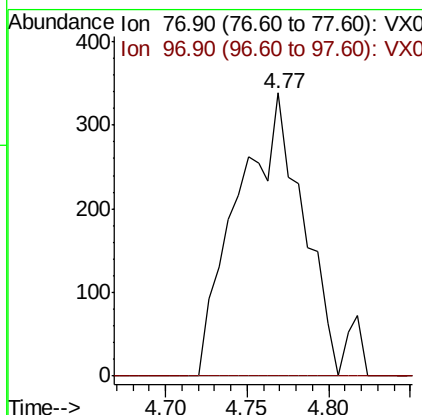
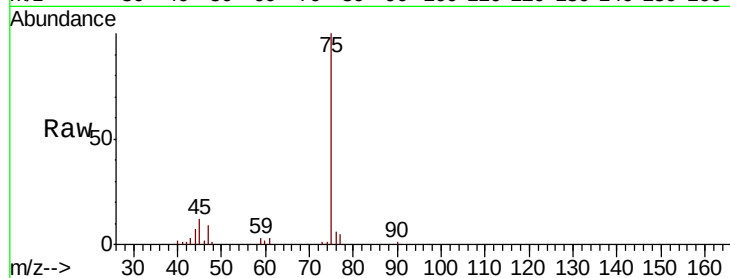




#26
 2,2-Dichloropropane
 Concen: 0.25 ug/l
 RT: 4.77 min Scan# 593
 Delta R.T. 0.19 min
 Lab File: VX004519.D
 Acq: 13 Sep 2018 16:35

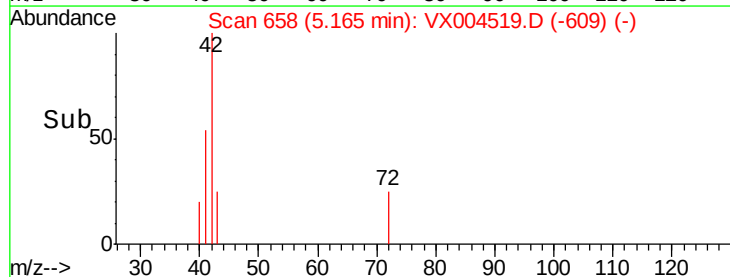
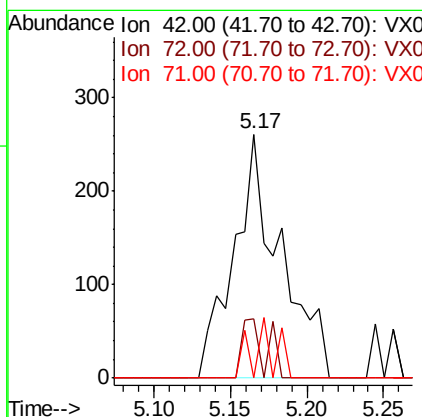
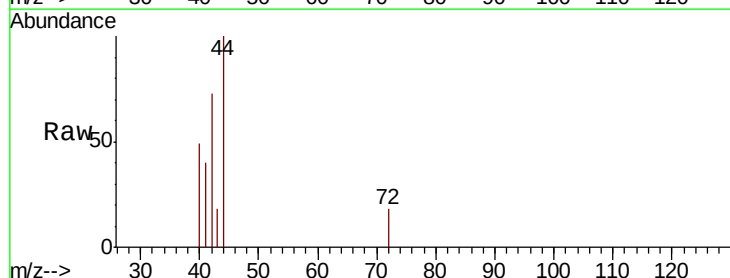
Instrument :
 MSVOA_X
 ClientSampleId :
 FB-091118

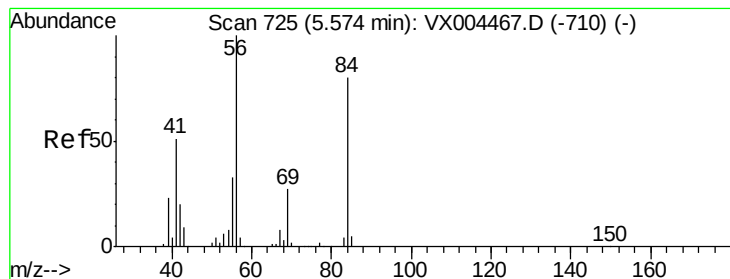
Tot Ion: 77 Resp: 932
 Ion Ratio Lower Upper
 77 100
 97 0.0 11.7 35.0#



#29
 Tetrahydrofuran
 Concen: 0.37 ug/l
 RT: 5.17 min Scan# 658
 Delta R.T. 0.00 min
 Lab File: VX004519.D
 Acq: 13 Sep 2018 16:35

Tgt Ion: 42 Resp: 555
 Ion Ratio Lower Upper
 42 100
 72 12.3 37.4 56.0#
 71 7.9 34.5 51.7#





#31

Cyclohexane

Concen: 0.92 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.09 min

Lab File: VX004519.D

Acq: 13 Sep 2018 16:35

Instrument :

MSVOA_X

ClientSampleId :

FB-091118

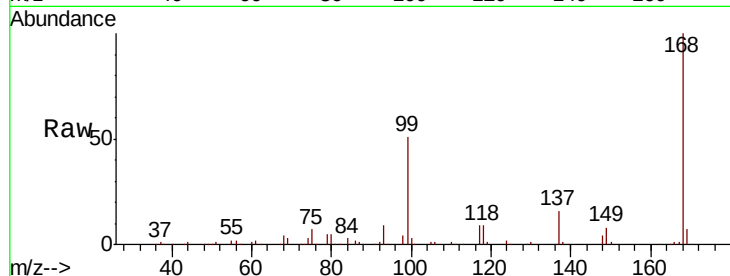
Tot Ion: 56 Resp: 4309

Ion Ratio Lower Upper

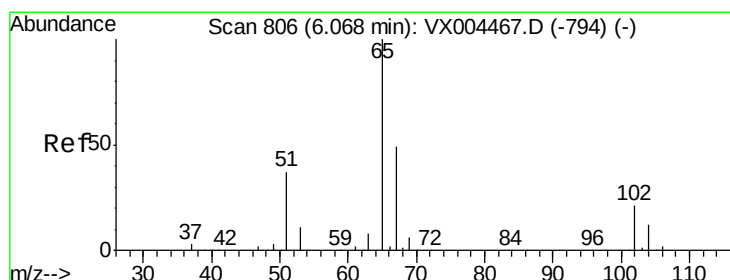
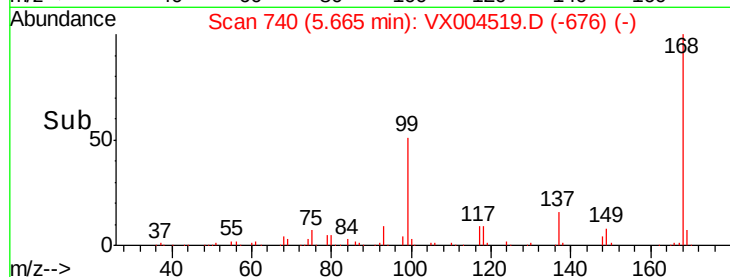
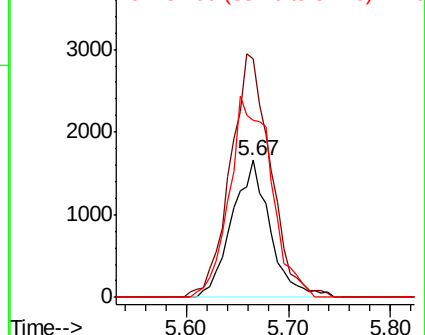
56 100

69 174.0 25.4 38.2#

84 129.2 71.4 107.2#



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 51.82 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX004519.D

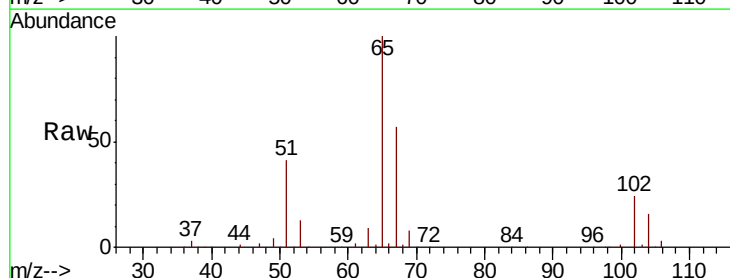
Acq: 13 Sep 2018 16:35

Tgt Ion: 65 Resp: 167541

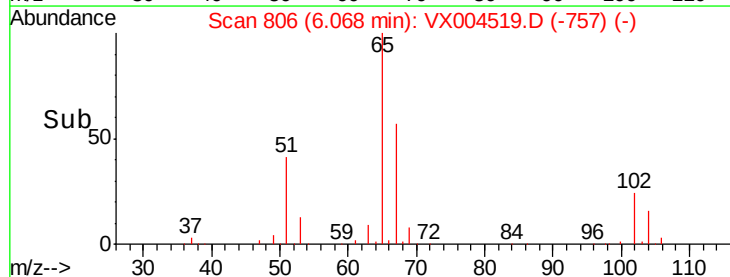
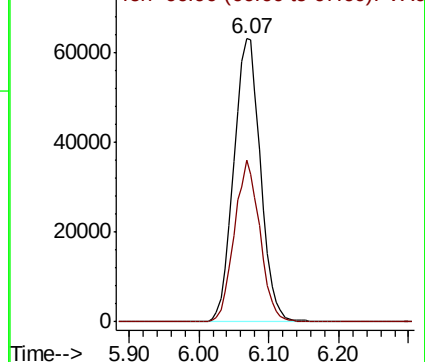
Ion Ratio Lower Upper

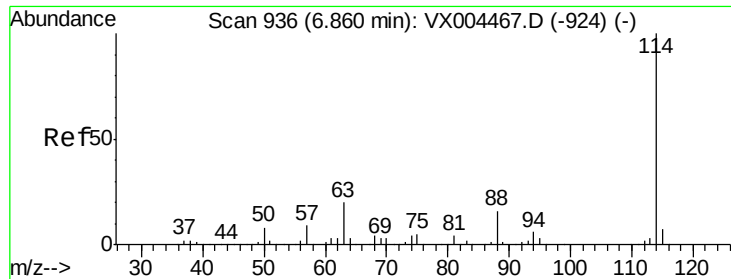
65 100

67 54.5 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0

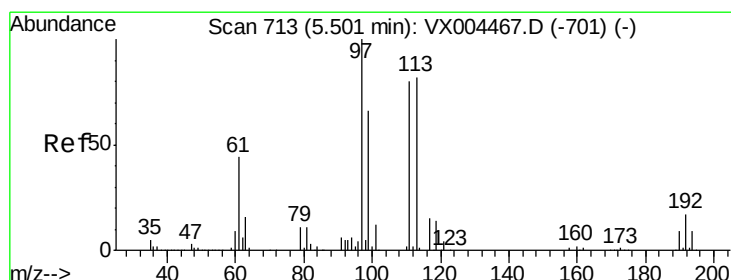
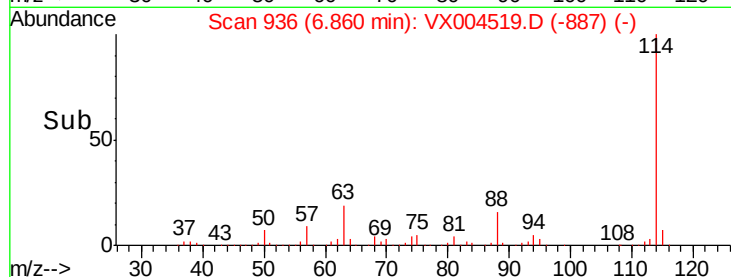
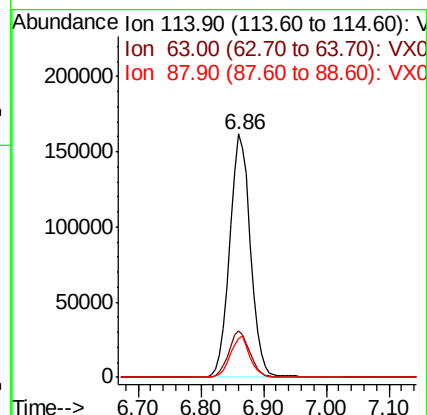
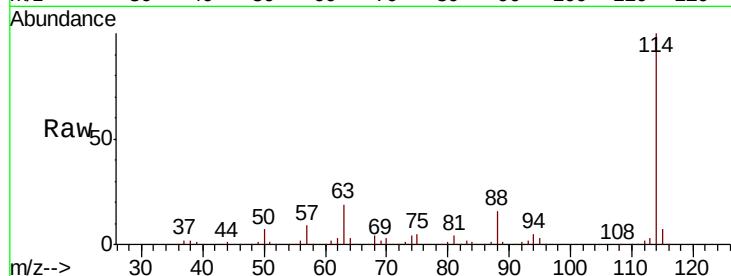




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX004519.D
 Acq: 13 Sep 2018 16:35

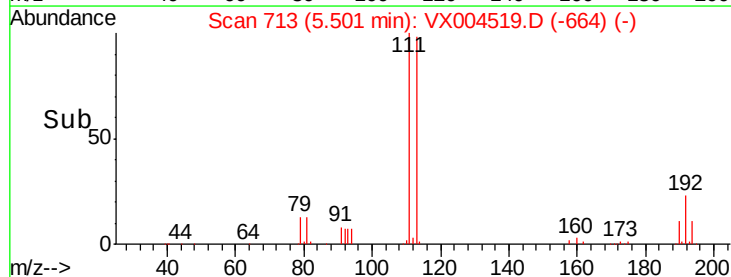
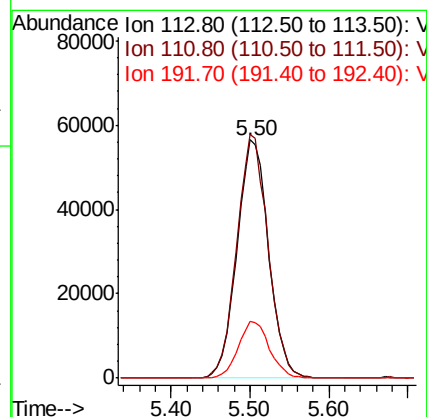
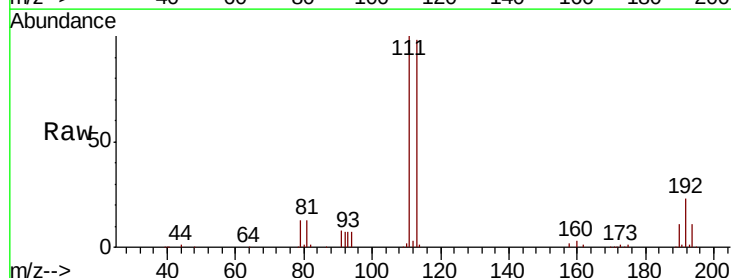
Instrument :
 MSVOA_X
 ClientSampleId :
 FB-091118

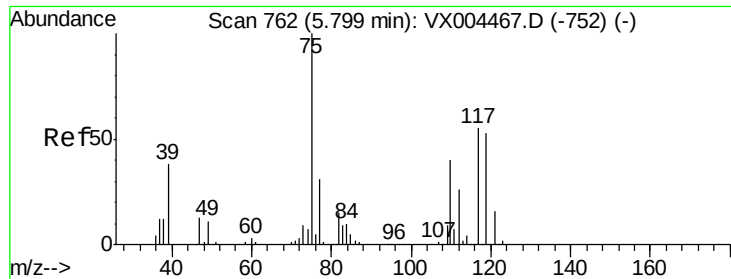
Tot Ion	Ratio	Lower	Upper
114	100		
63	19.1	0.0	39.0
88	15.7	0.0	30.4



#35
 Dibromofluoromethane
 Concen: 46.18 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX004519.D
 Acq: 13 Sep 2018 16:35

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.2	82.4	123.6
192	23.5	19.4	29.2

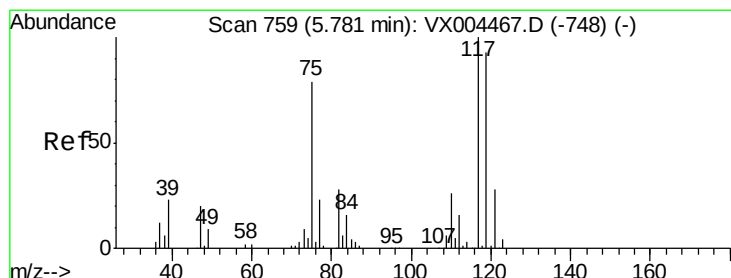
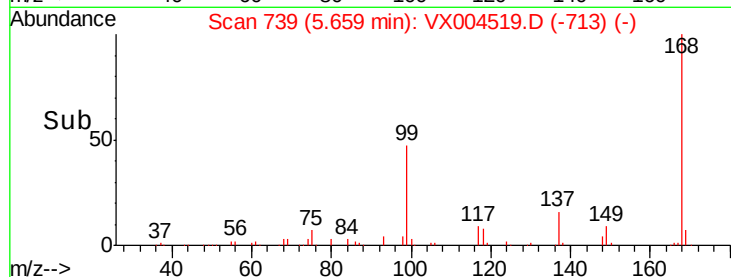
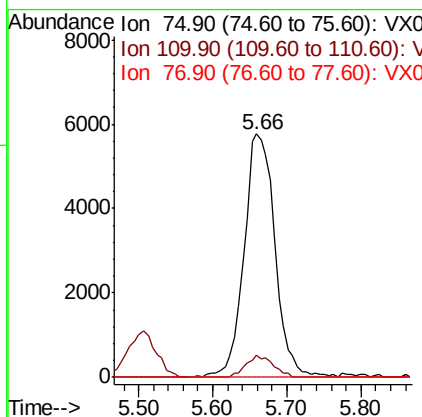
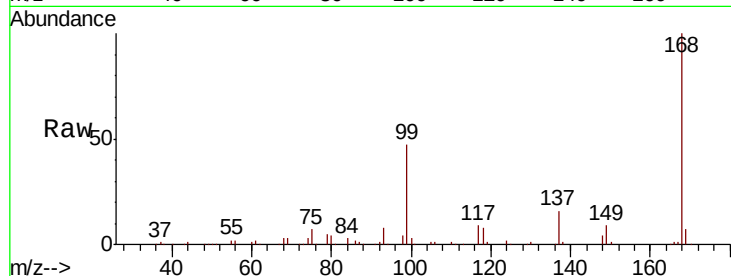




#36
 1,1-Dichloropropene
 Concen: 3.73 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX004519.D
 Acq: 13 Sep 2018 16:35

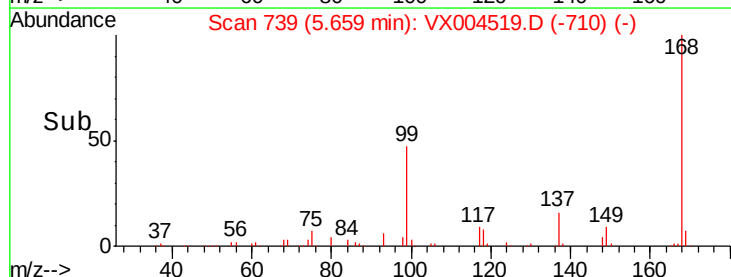
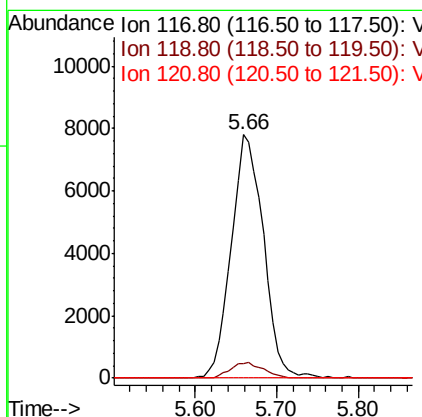
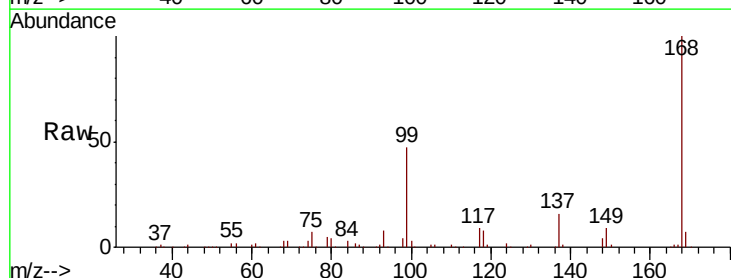
Instrument :
 MSVOA_X
 ClientSampleId :
 FB-091118

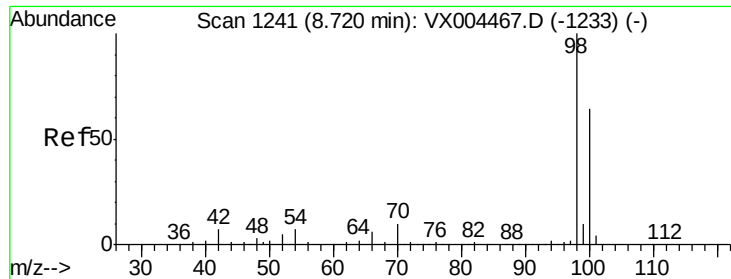
Tot Ion: 75 Resp: 16834
 Ion Ratio Lower Upper
 75 100
 110 7.9 18.0 54.0#
 77 0.0 24.6 36.8#



#38
 Carbon Tetrachloride
 Concen: 4.85 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.12 min
 Lab File: VX004519.D
 Acq: 13 Sep 2018 16:35

Tgt Ion: 117 Resp: 21377
 Ion Ratio Lower Upper
 117 100
 119 5.9 78.8 118.2#
 121 0.0 24.9 37.3#

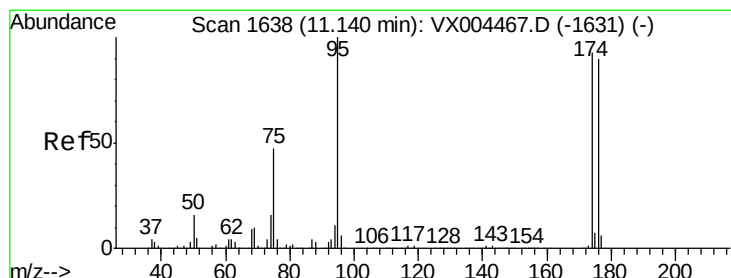
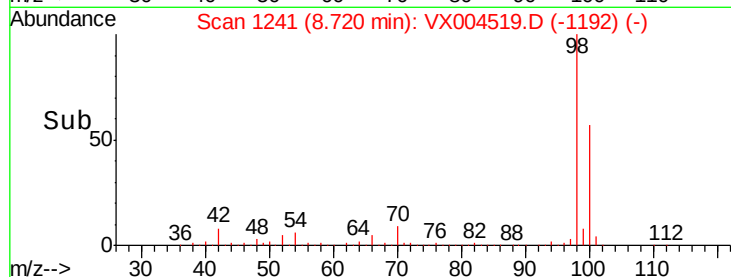
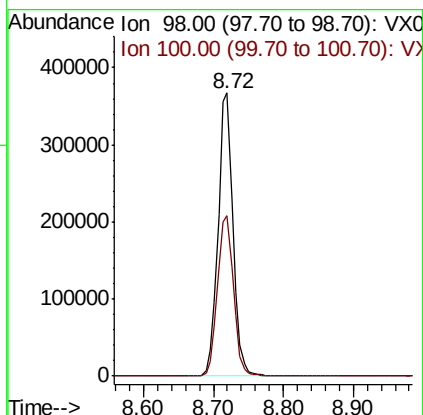
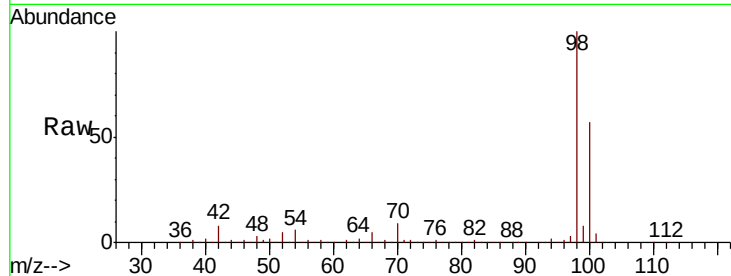




#50
Toluene-d8
Concen: 47.79 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. 0.00 min
Lab File: VX004519.D
Acq: 13 Sep 2018 16:35

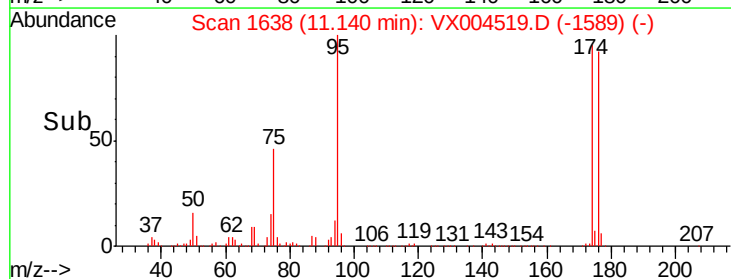
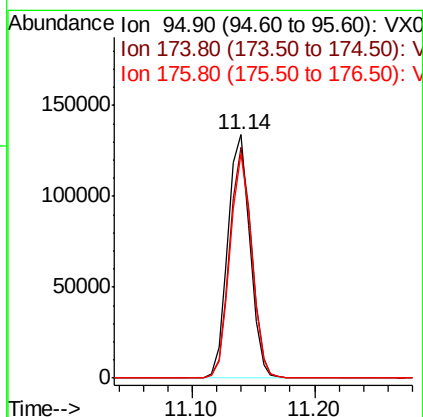
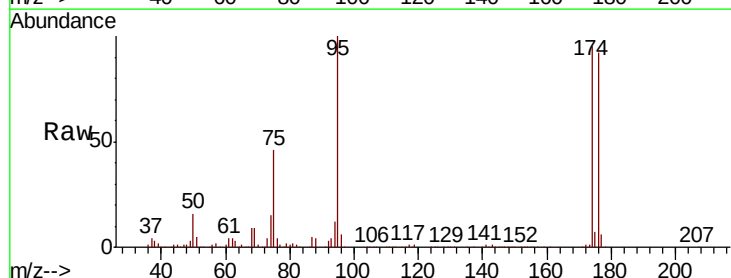
Instrument :
MSVOA_X
ClientSampleId :
FB-091118

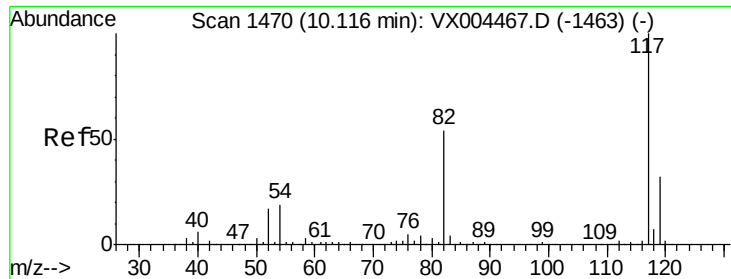
Tot Ion: 98 Resp: 545691
Ion Ratio Lower Upper
98 100
100 60.9 52.9 79.3



#62
4-Bromofluorobenzene
Concen: 41.24 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. 0.00 min
Lab File: VX004519.D
Acq: 13 Sep 2018 16:35

Tgt Ion: 95 Resp: 168076
Ion Ratio Lower Upper
95 100
174 94.1 0.0 185.2
176 90.4 0.0 178.6

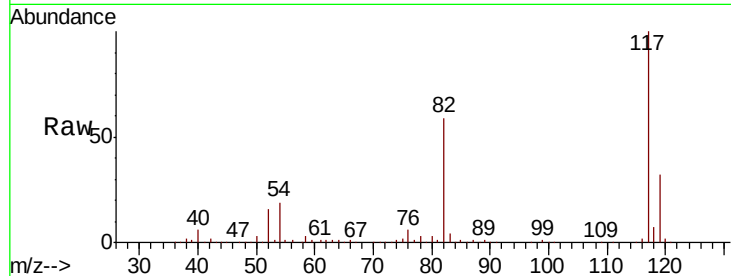




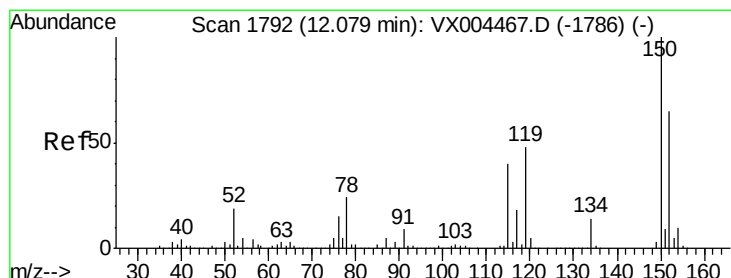
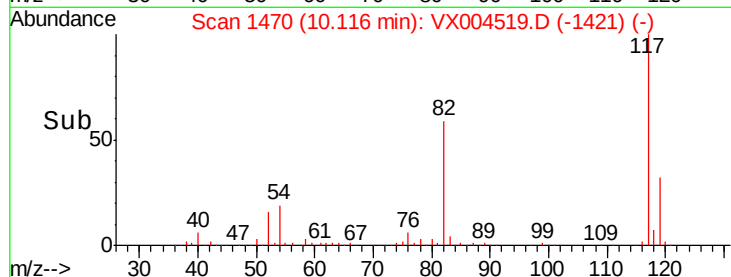
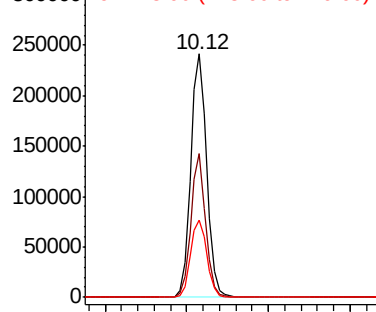
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX004519.D
Acq: 13 Sep 2018 16:35

Instrument :
MSVOA_X
ClientSampleId :
FB-091118

Tot Ion:117 Resp: 332207
Ion Ratio Lower Upper
117 100
82 59.2 47.8 71.6
119 32.0 29.3 43.9

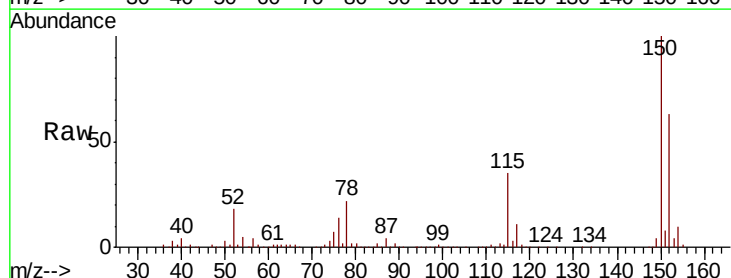


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

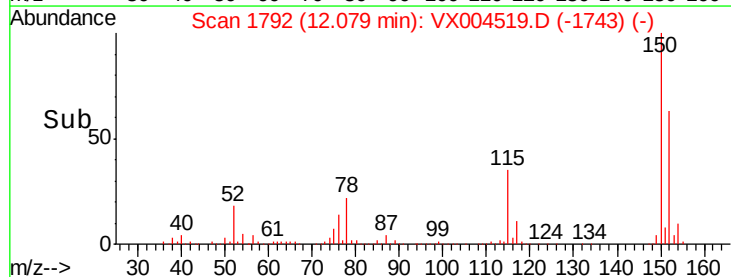
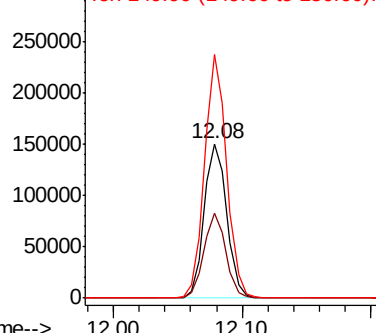


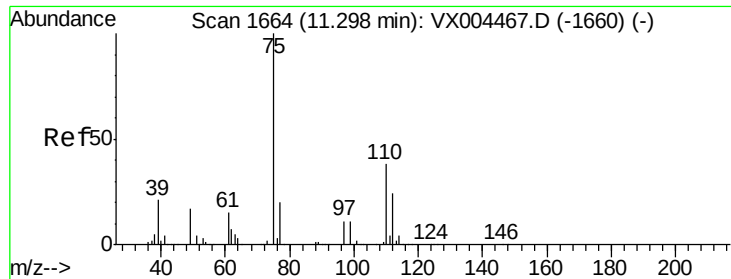
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX004519.D
Acq: 13 Sep 2018 16:35

Tgt Ion:152 Resp: 184831
Ion Ratio Lower Upper
152 100
115 53.6 39.0 117.0
150 154.3 0.0 351.0



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





#76

1,2,3-Trichloropropane

Concen: 21.39 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX004519.D

Acq: 13 Sep 2018 16:35

Instrument :

MSVOA_X

ClientSampleId :

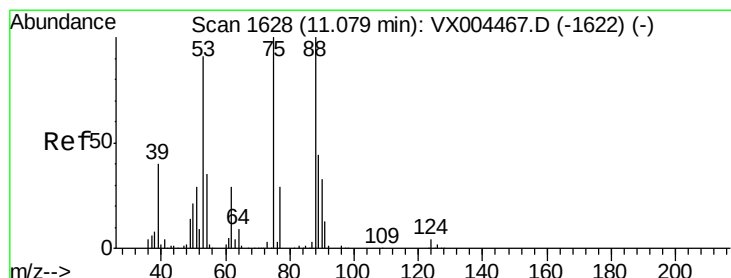
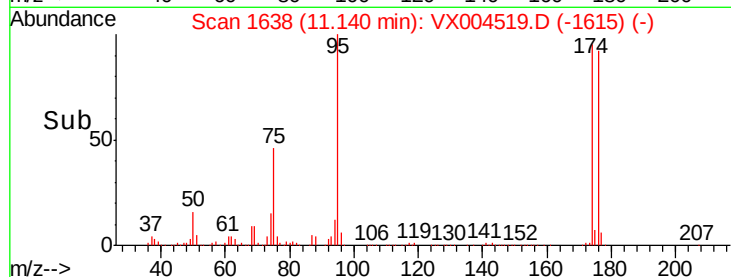
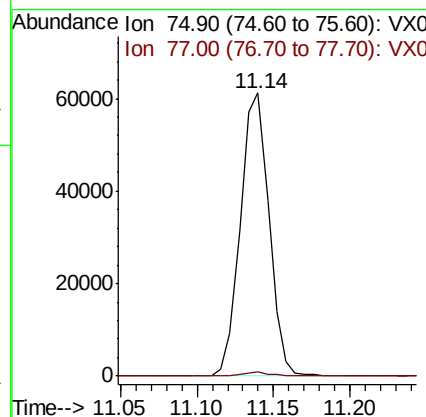
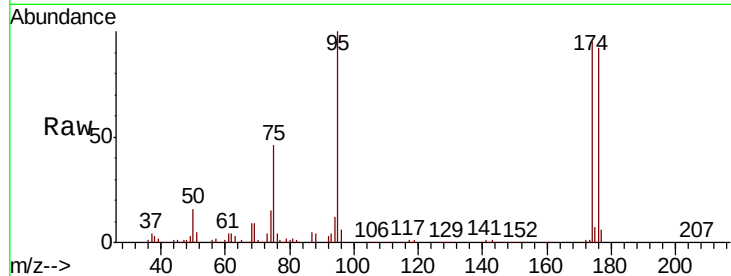
FB-091118

Tot Ion: 75 Resp: 79540

Ion Ratio Lower Upper

75 100

77 1.4 20.2 60.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 68.18 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.06 min

Lab File: VX004519.D

Acq: 13 Sep 2018 16:35

Tgt Ion: 75 Resp: 79540

Ion Ratio Lower Upper

75 100

53 0.2 80.1 120.1#

89 0.0 37.2 55.8#

