

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091318\
 Data File : VX004518.D
 Acq On : 13 Sep 2018 16:08
 Operator : JC/MD
 Sample : J4892-13
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FB-091218

Quant Time: Sep 14 03:54:23 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	5.66	168	253785	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	352102	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	340401	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	185061	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	171836	52.51	ug/l	0.00
Spiked Amount			Recovery	=	105.02%	
35) Dibromofluoromethane	5.50	113	159474	49.49	ug/l	0.00
Spiked Amount			Recovery	=	98.98%	
50) Toluene-d8	8.72	98	522148	48.32	ug/l	0.00
Spiked Amount			Recovery	=	96.64%	
62) 4-Bromofluorobenzene	11.14	95	176791	45.84	ug/l	0.00
Spiked Amount			Recovery	=	91.68%	

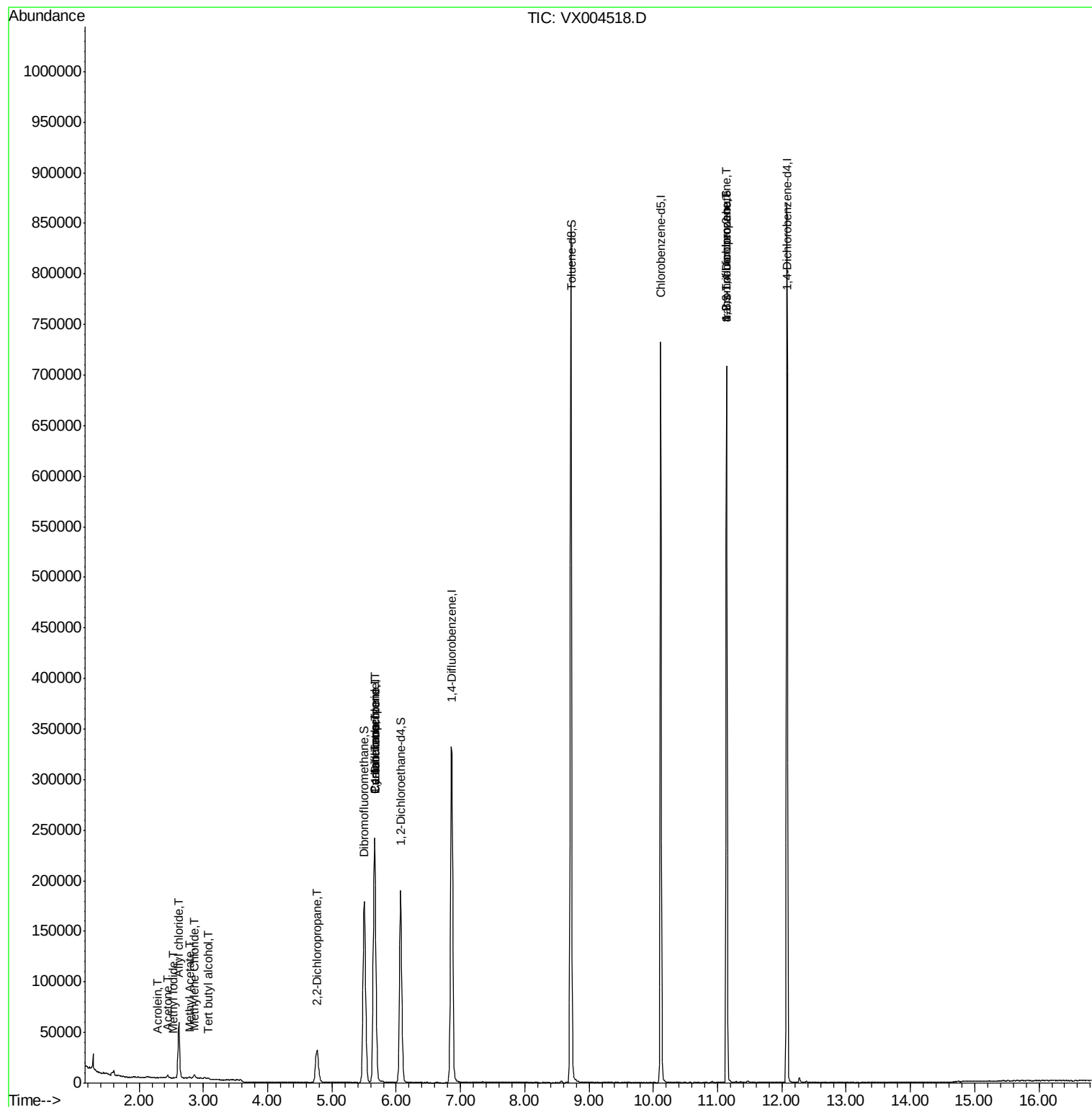
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	800	Below Cal		85
10) Methyl Iodide	2.52	142	365	4.36	ug/l #	70
11) Tert butyl alcohol	3.07	59	1211	1.55	ug/l #	92
13) Acrolein	2.29	56	135	0.44	ug/l	84
14) Allyl chloride	2.62	41	5356	0.98	ug/l #	64
16) Acetone	2.45	43	3185	1.99	ug/l	96
18) Methyl Acetate	2.78	43	935	0.21	ug/l #	84
20) Methylene Chloride	2.86	84	1525	0.47	ug/l #	86
26) 2,2-Dichloropropane	4.76	77	3055	0.80	ug/l #	52
31) Cyclohexane	5.66	56	4304	0.91	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	16989	3.97	ug/l #	49
38) Carbon Tetrachloride	5.66	117	22542	5.40	ug/l #	15
76) 1,2,3-Trichloropropane	11.14	75	83213	22.35	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.14	75	83213	71.24	ug/l #	10

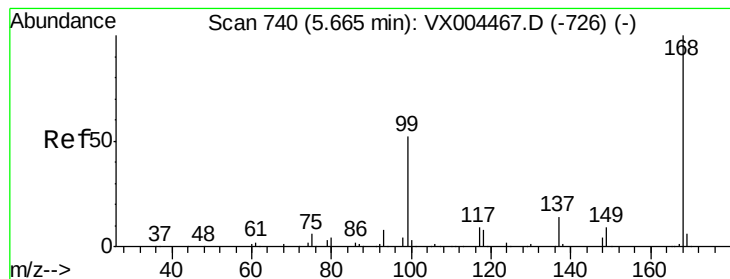
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.66 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX004518.D

Acq: 13 Sep 2018 16:08

Instrument :

MSVOA_X

ClientSampleId :

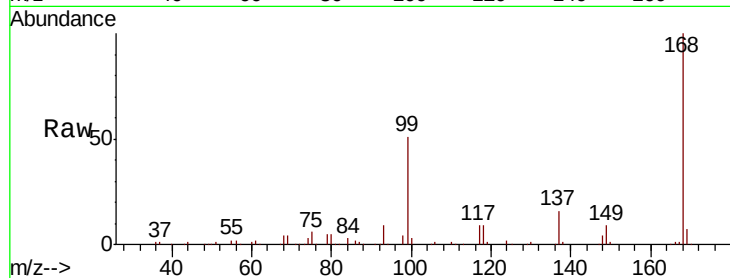
FB-091218

Tot Ion:168 Resp: 253785

Ion Ratio Lower Upper

168 100

99 50.6 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

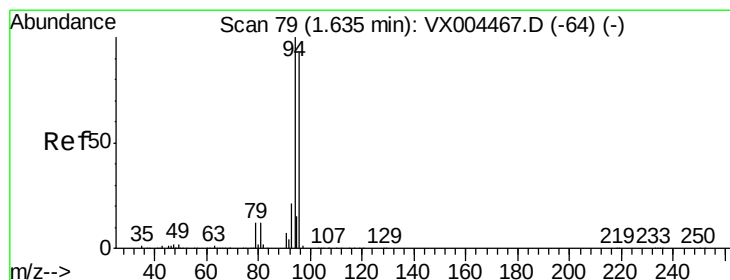
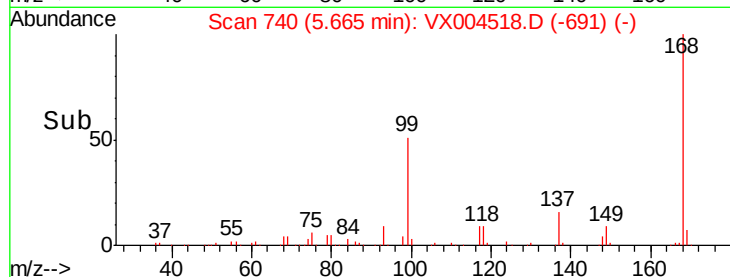
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX004518.D

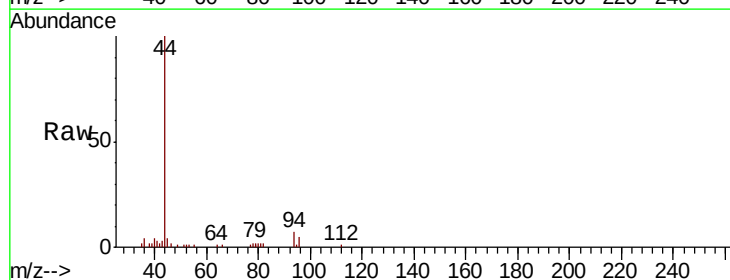
Acq: 13 Sep 2018 16:08

Tgt Ion: 94 Resp: 800

Ion Ratio Lower Upper

94 100

96 78.8 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

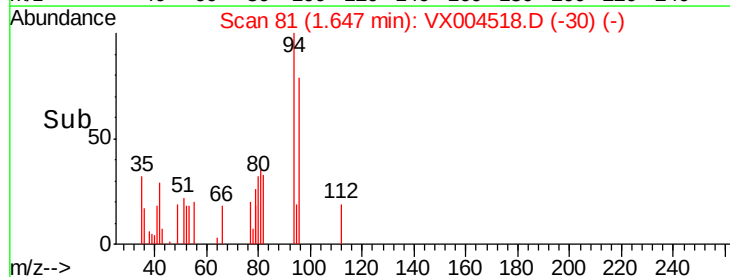
300

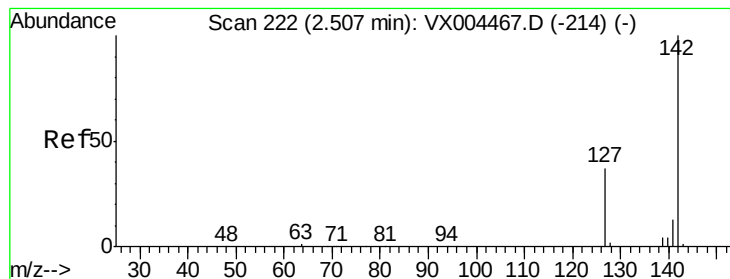
200

100

0

Time--> 1.60 1.65 1.70 1.75





#10

Methyl Iodide

Concen: 4.36 ug/l

RT: 2.52 min Scan# 224

Delta R.T. 0.01 min

Lab File: VX004518.D

Acq: 13 Sep 2018 16:08

Instrument :

MSVOA_X

ClientSampled :

FB-091218

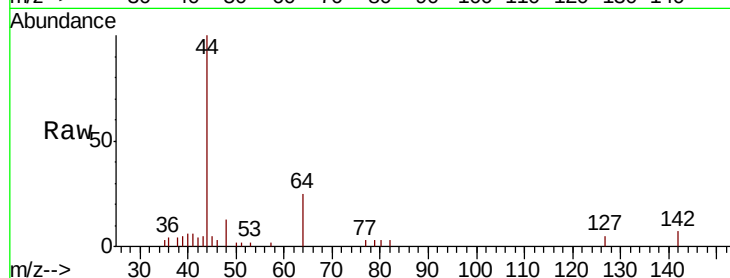
Tot Ion:142 Resp: 365

Ion Ratio Lower Upper

142 100

127 23.8 33.8 50.6#

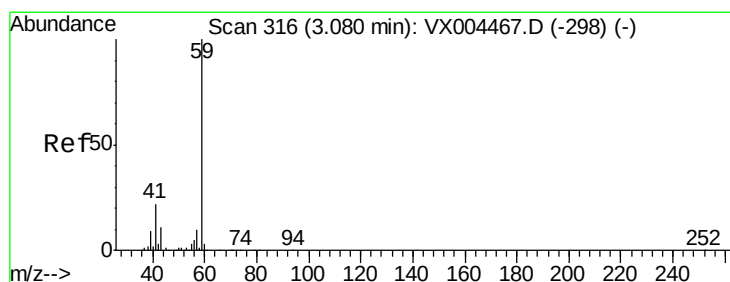
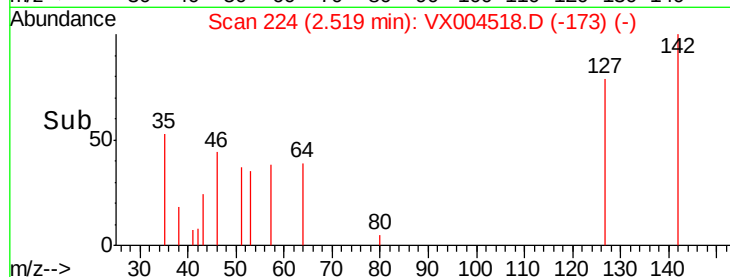
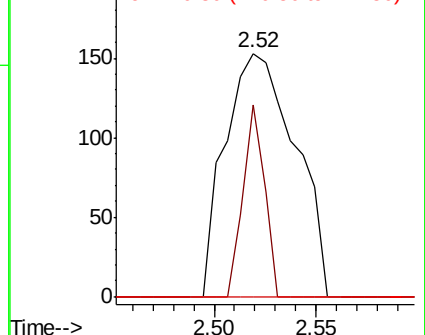
141 0.0 11.4 17.0#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



#11

Tert butyl alcohol

Concen: 1.55 ug/l

RT: 3.07 min Scan# 314

Delta R.T. -0.01 min

Lab File: VX004518.D

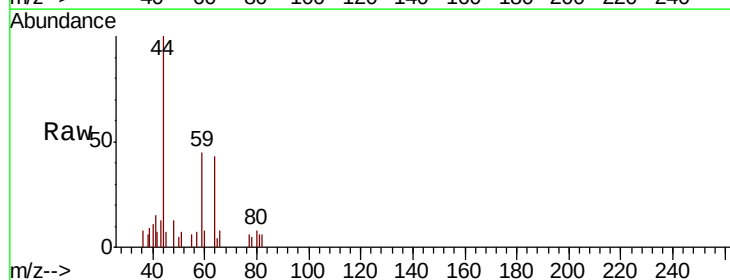
Acq: 13 Sep 2018 16:08

Tgt Ion: 59 Resp: 1211

Ion Ratio Lower Upper

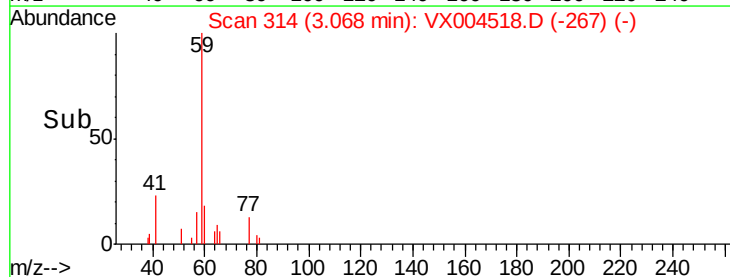
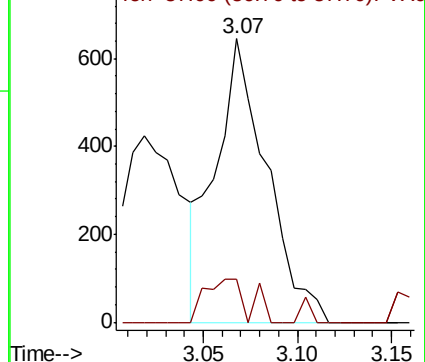
59 100

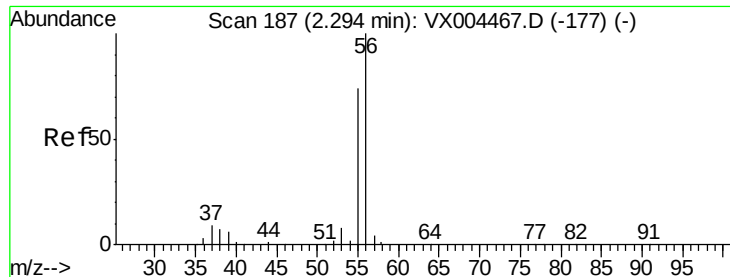
57 13.1 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

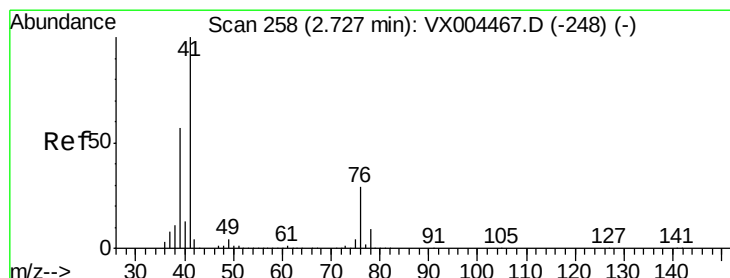
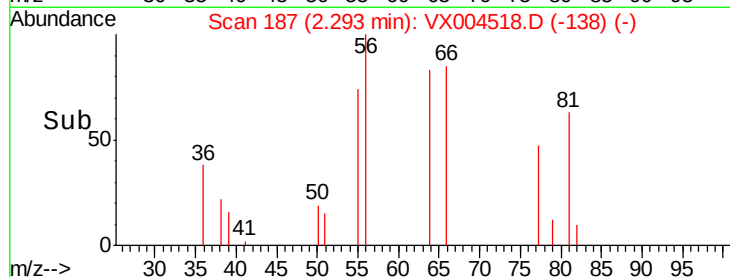
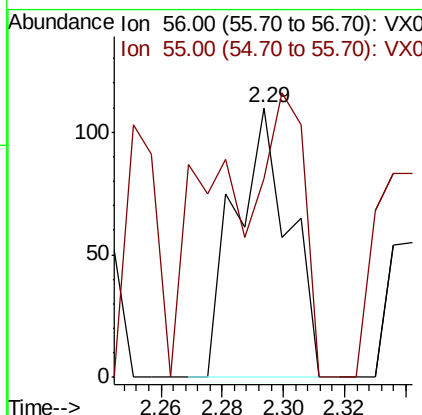
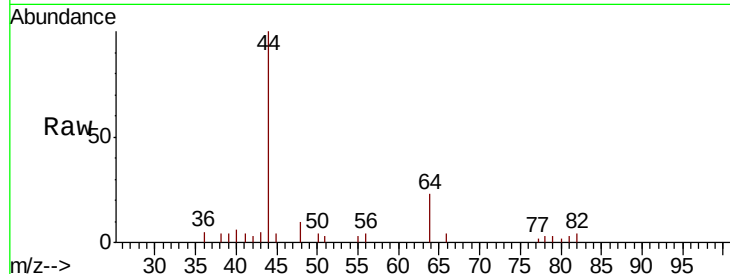




#13
Acrolein
Concen: 0.44 ug/l
RT: 2.29 min Scan# 187
Delta R.T. -0.00 min
Lab File: VX004518.D
Acq: 13 Sep 2018 16:08

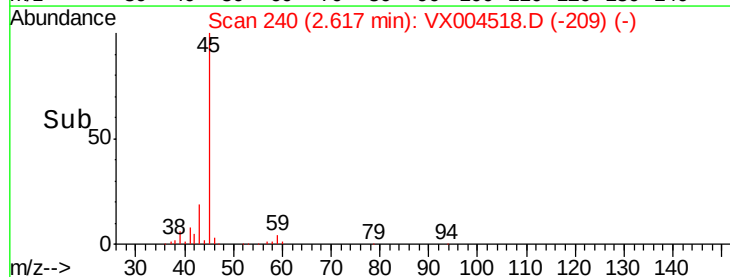
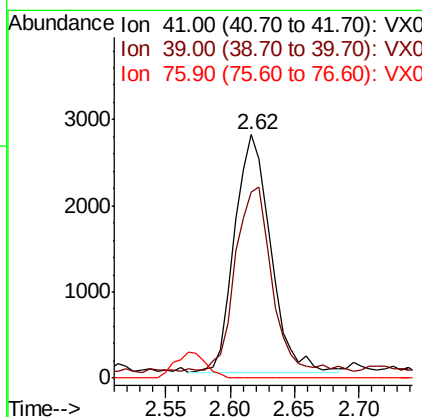
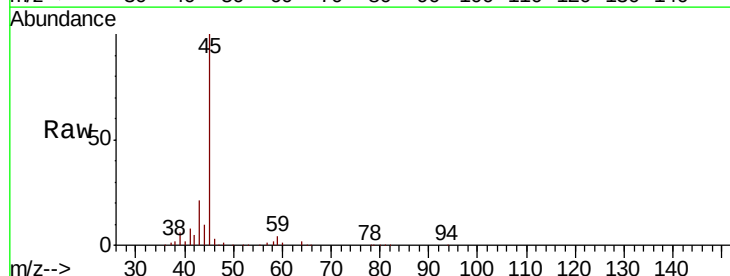
Instrument :
MSVOA_X
ClientSampled :
FB-091218

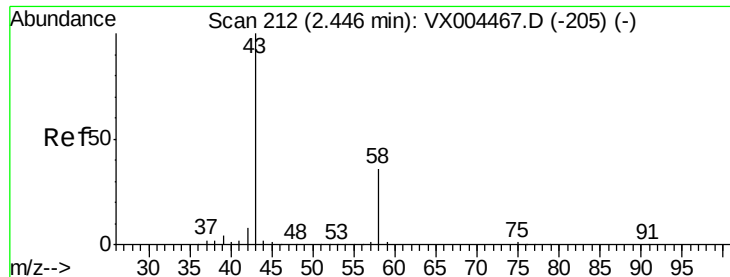
Tot Ion: 56 Resp: 135
Ion Ratio Lower Upper
56 100
55 81.5 54.7 82.1



#14
Allyl chloride
Concen: 0.98 ug/l
RT: 2.62 min Scan# 240
Delta R.T. -0.11 min
Lab File: VX004518.D
Acq: 13 Sep 2018 16:08

Tgt Ion: 41 Resp: 5356
Ion Ratio Lower Upper
41 100
39 78.5 48.9 73.3#
76 0.0 26.7 40.1#

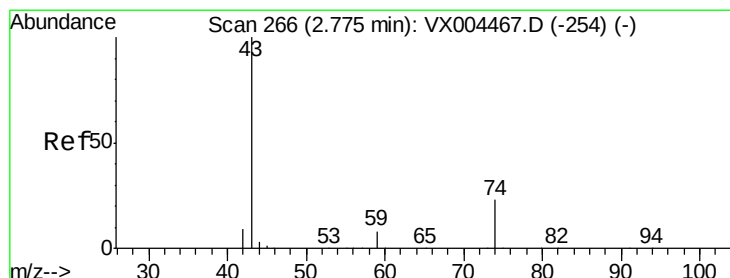
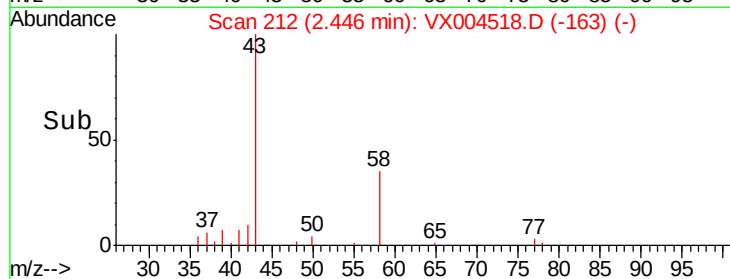
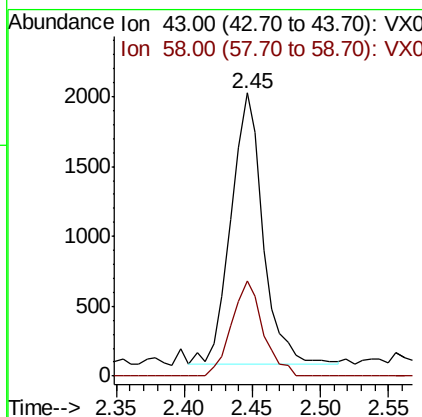
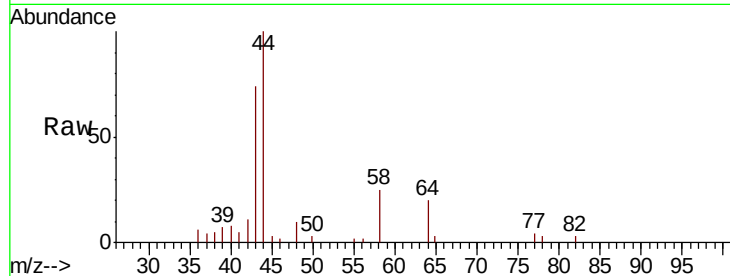




#16
 Acetone
 Concen: 1.99 ug/l
 RT: 2.45 min Scan# 212
 Delta R.T. -0.00 min
 Lab File: VX004518.D
 Acq: 13 Sep 2018 16:08

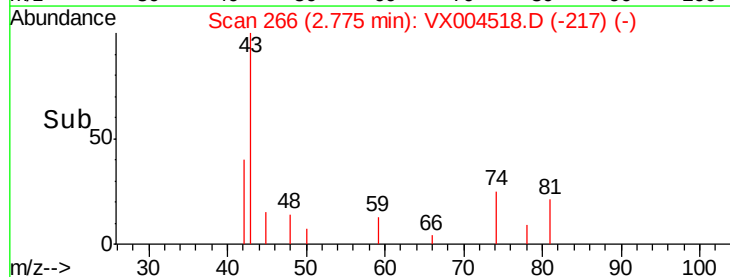
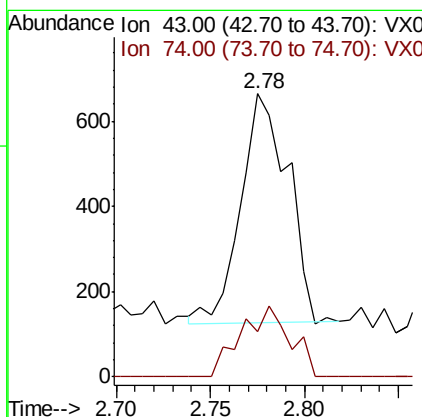
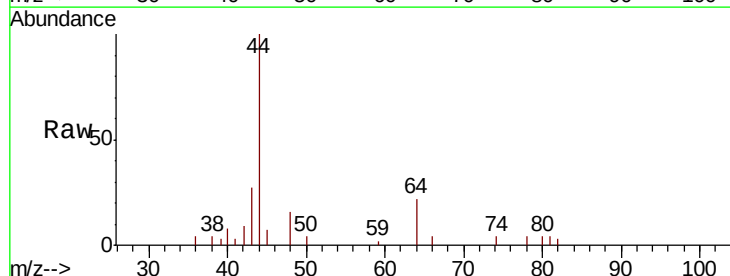
Instrument :
 MSVOA_X
 ClientSampleId :
 FB-091218

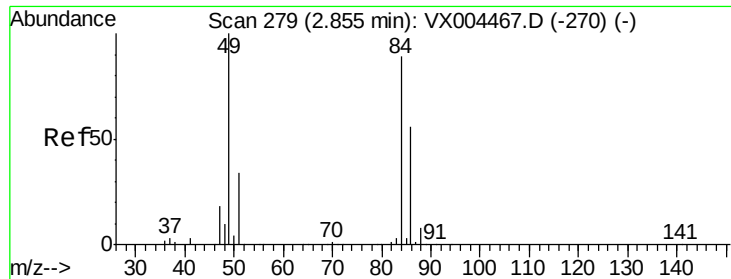
Tot Ion: 43 Resp: 3185
 Ion Ratio Lower Upper
 43 100
 58 35.1 26.2 39.4



#18
 Methyl Acetate
 Concen: 0.21 ug/l
 RT: 2.78 min Scan# 266
 Delta R.T. -0.00 min
 Lab File: VX004518.D
 Acq: 13 Sep 2018 16:08

Tgt Ion: 43 Resp: 935
 Ion Ratio Lower Upper
 43 100
 74 32.2 19.4 29.2#

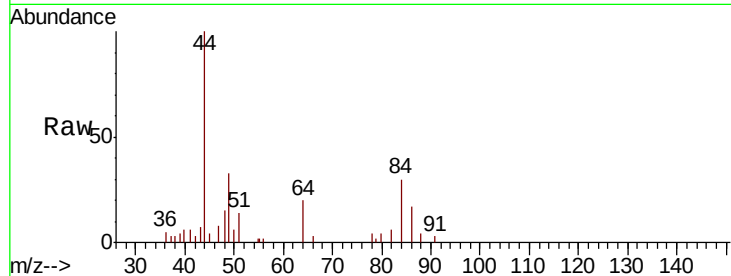




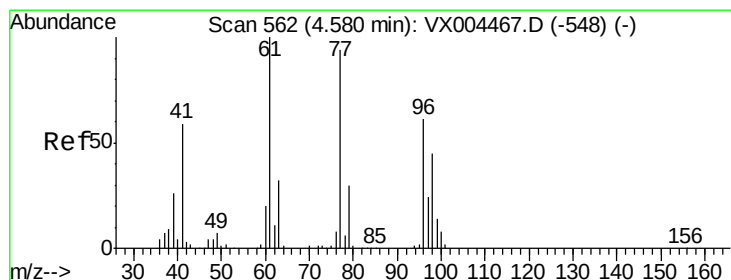
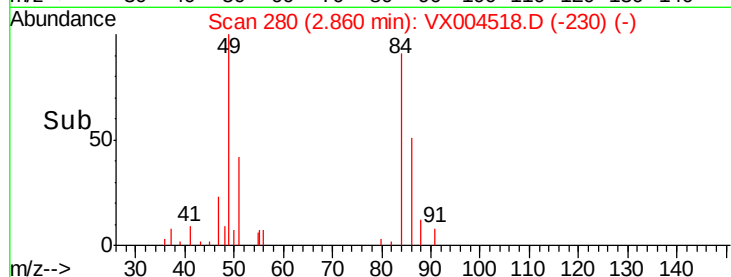
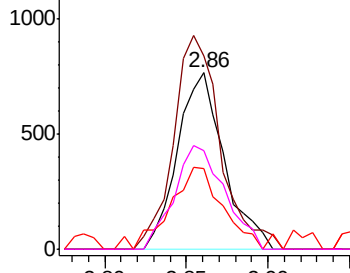
#20
Methylene Chloride
Concen: 0.47 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX004518.D
Acq: 13 Sep 2018 16:08

Instrument :
MSVOA_X
ClientSampled :
FB-091218

Tot Ion: 84 Resp: 1525
Ion Ratio Lower Upper
84 100
49 109.8 101.2 151.8
51 45.8 29.5 44.3#
86 56.1 52.3 78.5

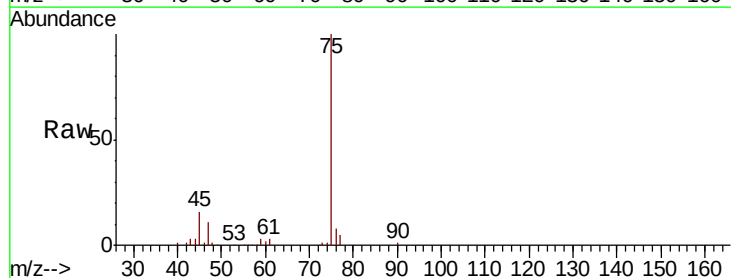


Abundance Ion 83.90 (83.60 to 84.60): VX0
Ion 48.90 (48.60 to 49.60): VX0
Ion 50.90 (50.60 to 51.60): VX0
Ion 85.90 (85.60 to 86.60): VX0

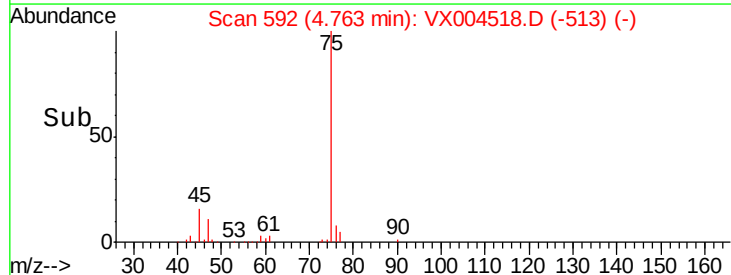
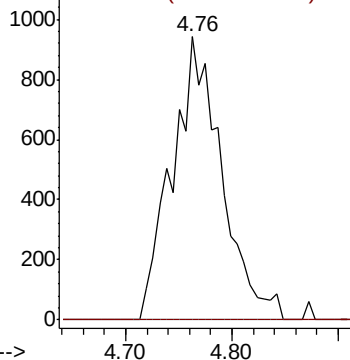


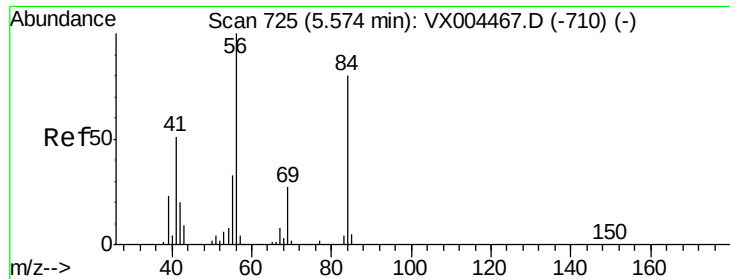
#26
2,2-Dichloropropane
Concen: 0.80 ug/l
RT: 4.76 min Scan# 592
Delta R.T. 0.18 min
Lab File: VX004518.D
Acq: 13 Sep 2018 16:08

Tgt Ion: 77 Resp: 3055
Ion Ratio Lower Upper
77 100
97 0.0 11.7 35.0#



Abundance Ion 76.90 (76.60 to 77.60): VX0
Ion 96.90 (96.60 to 97.60): VX0

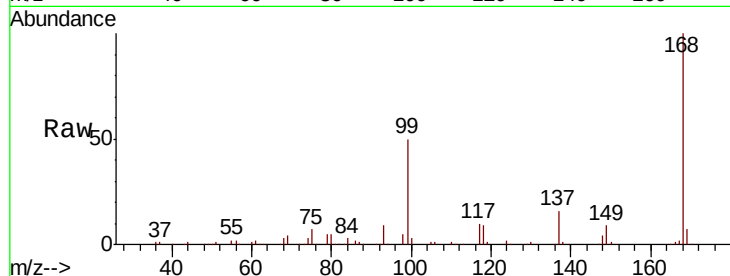




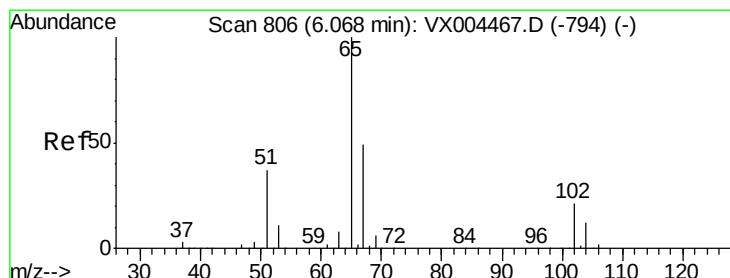
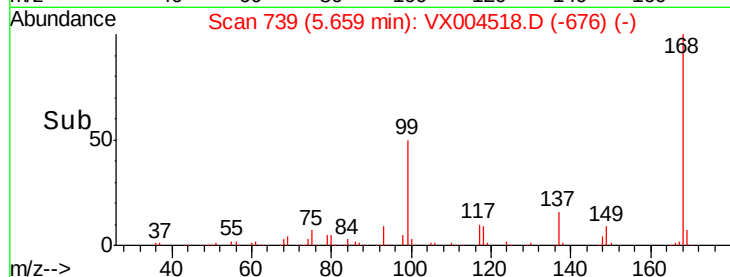
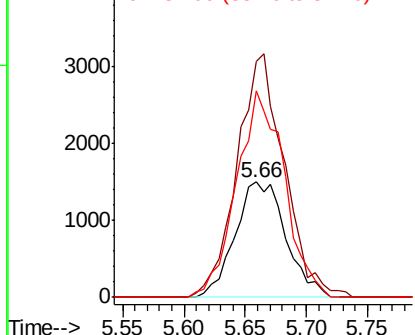
#31
Cyclohexane
Concen: 0.91 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.08 min
Lab File: VX004518.D
Acq: 13 Sep 2018 16:08

Instrument :
MSVOA_X
ClientSampled :
FB-091218

Tot Ion: 56 Resp: 4304
Ion Ratio Lower Upper
56 100
69 204.6 25.4 38.2#
84 179.2 71.4 107.2#

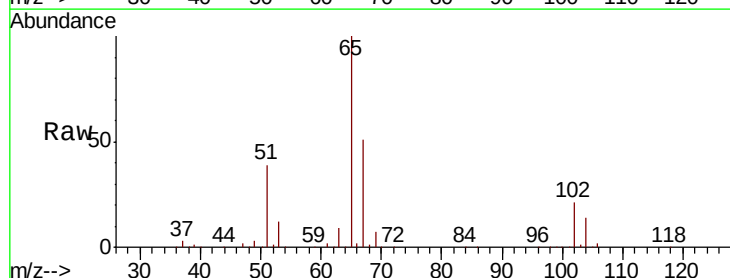


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

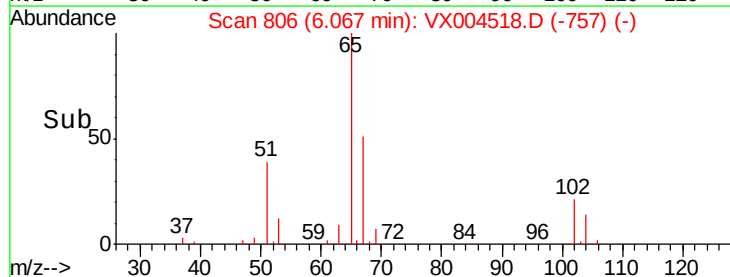
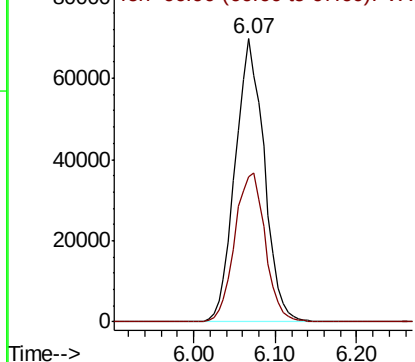


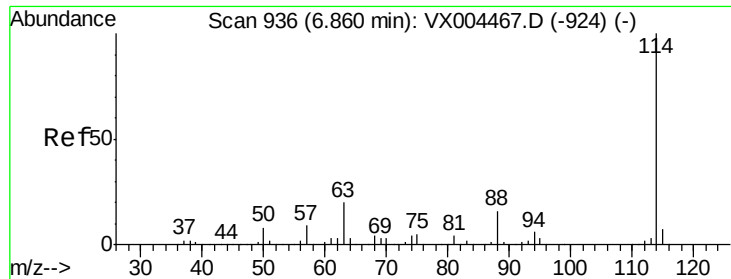
#33
1,2-Dichloroethane-d4
Concen: 52.51 ug/l
RT: 6.07 min Scan# 806
Delta R.T. -0.00 min
Lab File: VX004518.D
Acq: 13 Sep 2018 16:08

Tgt Ion: 65 Resp: 171836
Ion Ratio Lower Upper
65 100
67 55.2 0.0 106.8



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

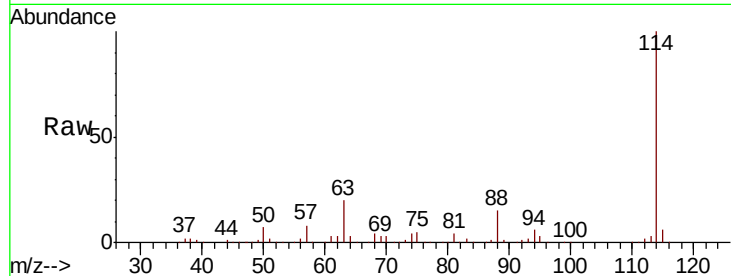




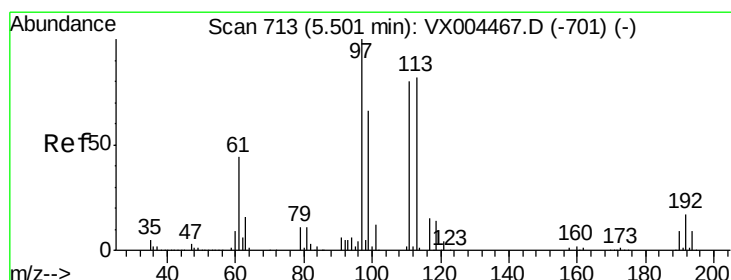
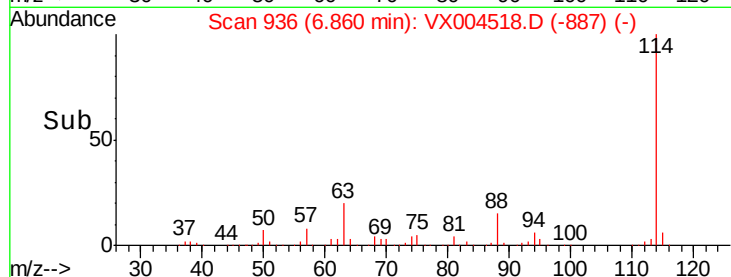
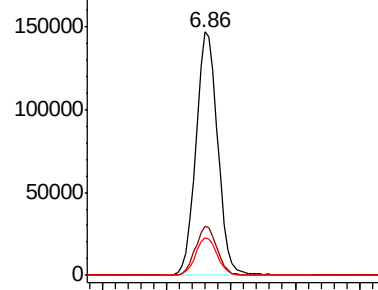
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX004518.D
 Acq: 13 Sep 2018 16:08

Instrument :
 MSVOA_X
 ClientSampleId :
 FB-091218

Tot Ion	Ratio	Lower	Upper
114	100		
63	20.1	0.0	39.0
88	15.2	0.0	30.4

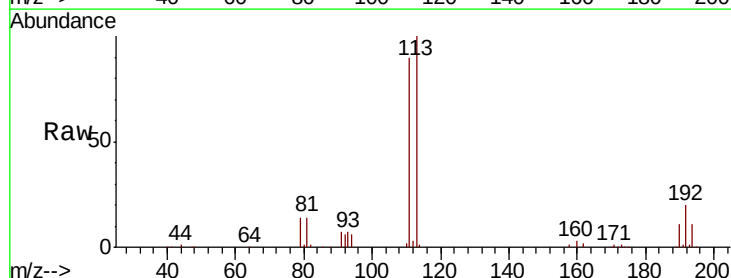


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

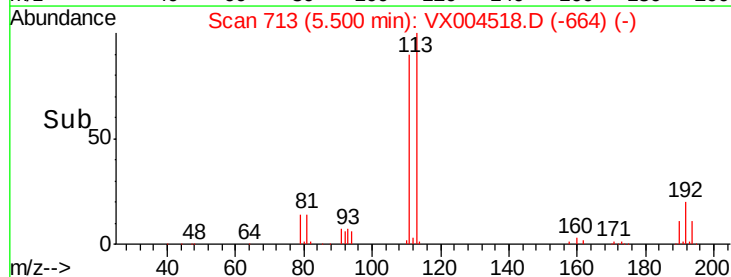
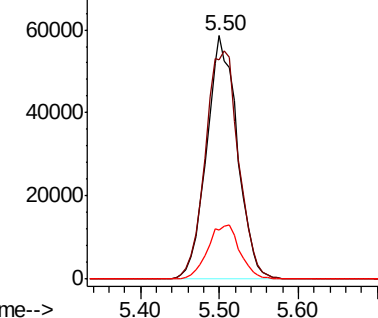


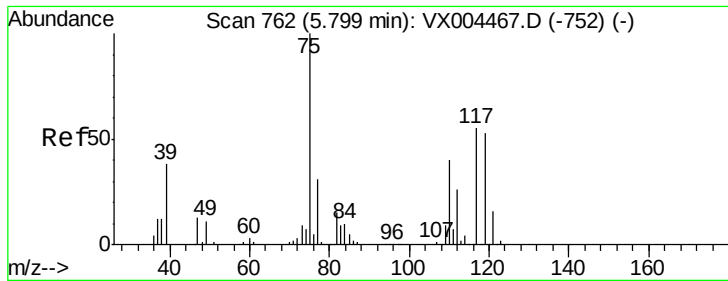
#35
 Dibromofluoromethane
 Concen: 49.49 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX004518.D
 Acq: 13 Sep 2018 16:08

Tgt Ion	Ratio	Lower	Upper
113	100		
111	100.8	82.4	123.6
192	23.2	19.4	29.2



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

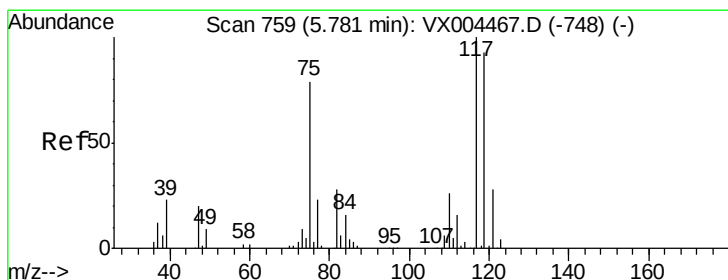
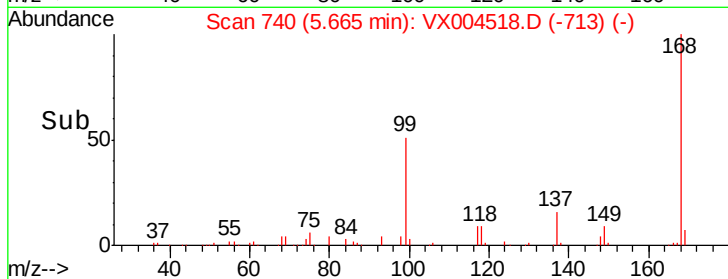
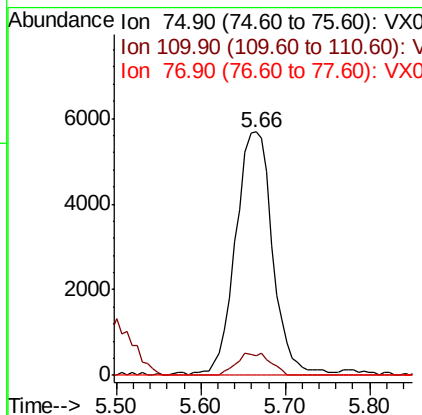
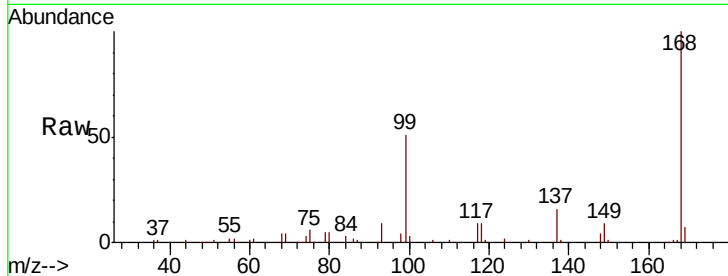




#36
 1,1-Dichloropropene
 Concen: 3.97 ug/l
 RT: 5.66 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX004518.D
 Acq: 13 Sep 2018 16:08

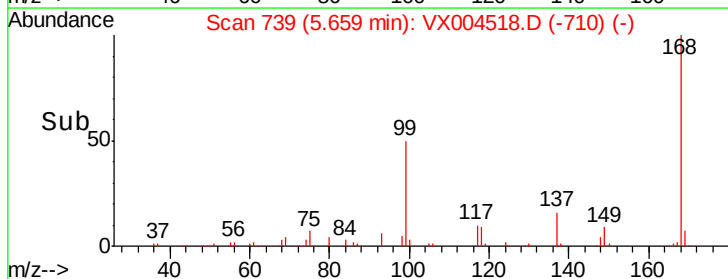
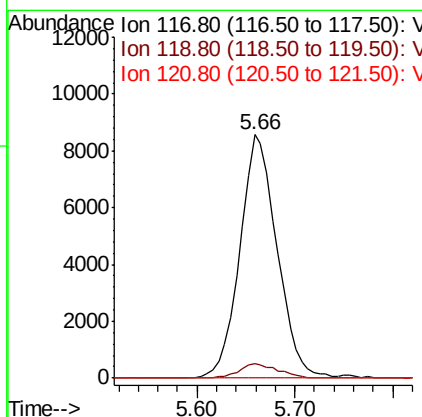
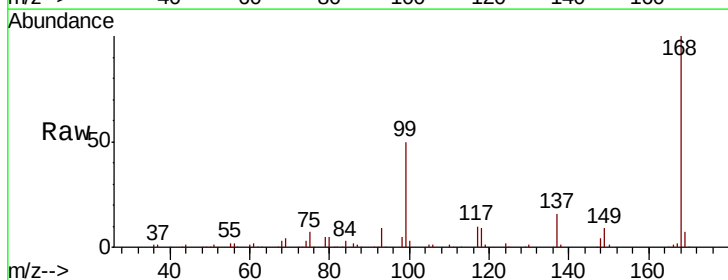
Instrument :
 MSVOA_X
 ClientSampled :
 FB-091218

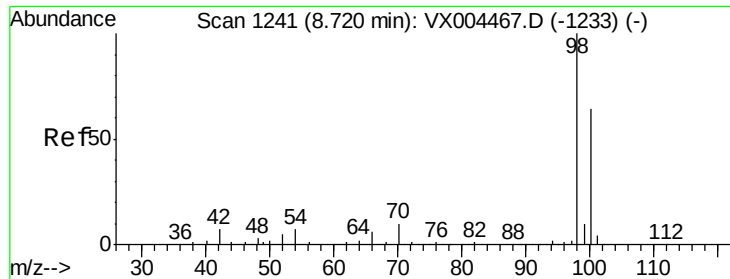
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.3	18.0	54.0#
77	0.0	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 5.40 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.12 min
 Lab File: VX004518.D
 Acq: 13 Sep 2018 16:08

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

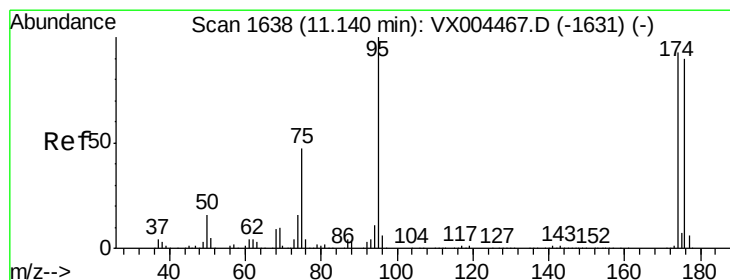
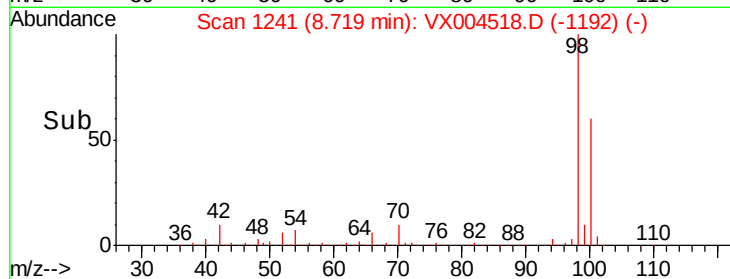
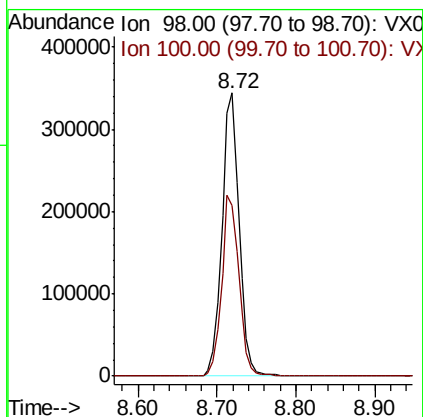
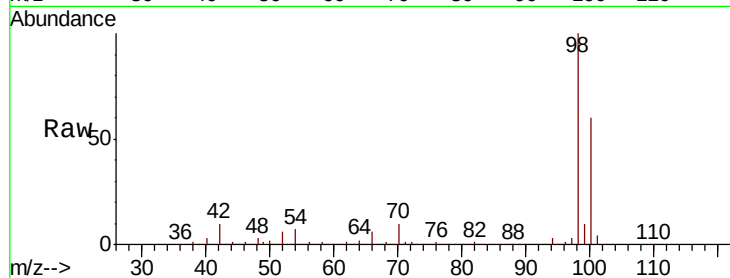




#50
Toluene-d8
Concen: 48.32 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. -0.00 min
Lab File: VX004518.D
Acq: 13 Sep 2018 16:08

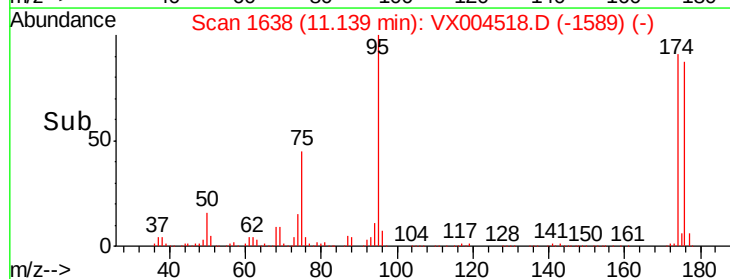
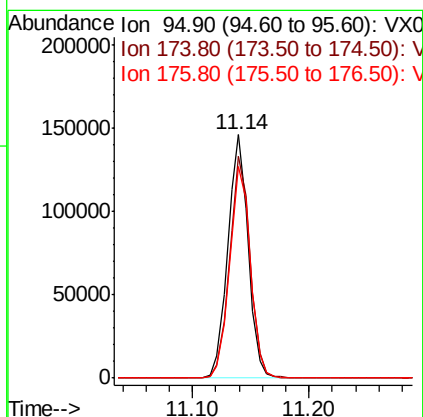
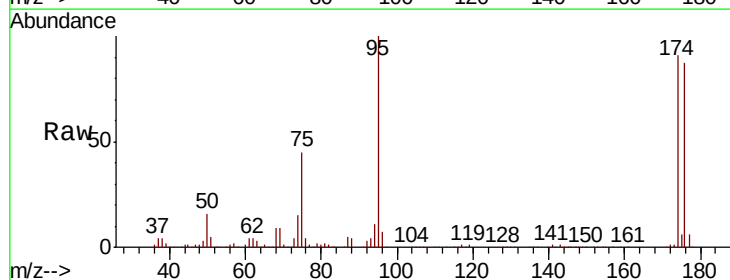
Instrument :
MSVOA_X
ClientSampleId :
FB-091218

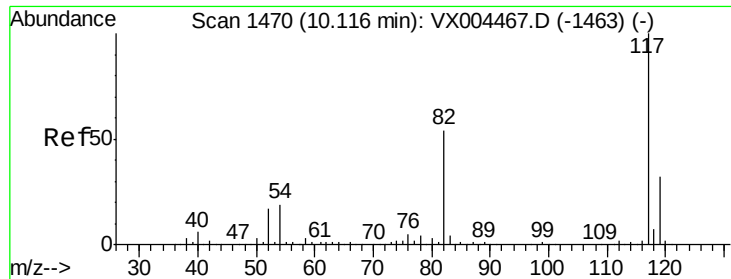
Tot Ion: 98 Resp: 522148
Ion Ratio Lower Upper
98 100
100 64.2 52.9 79.3



#62
4-Bromofluorobenzene
Concen: 45.84 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. -0.00 min
Lab File: VX004518.D
Acq: 13 Sep 2018 16:08

Tgt Ion: 95 Resp: 176791
Ion Ratio Lower Upper
95 100
174 92.6 0.0 185.2
176 89.4 0.0 178.6

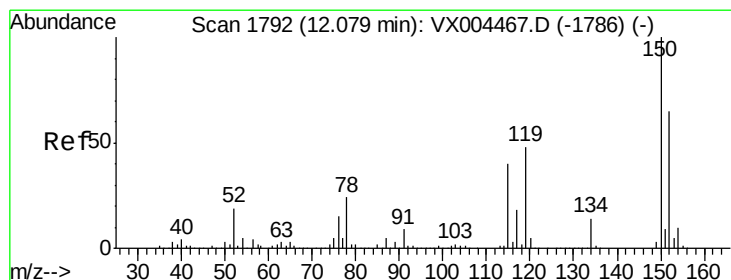
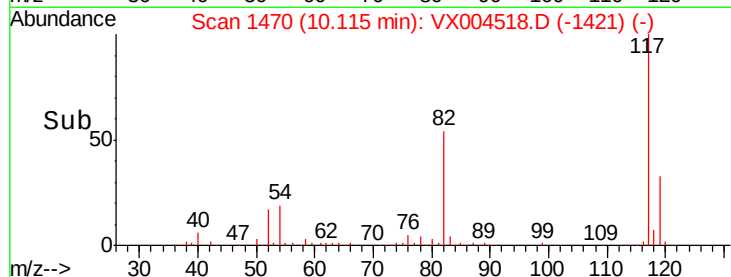
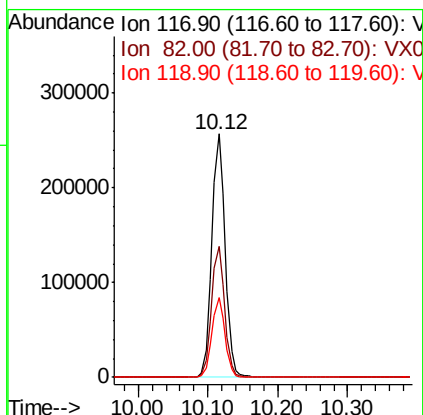
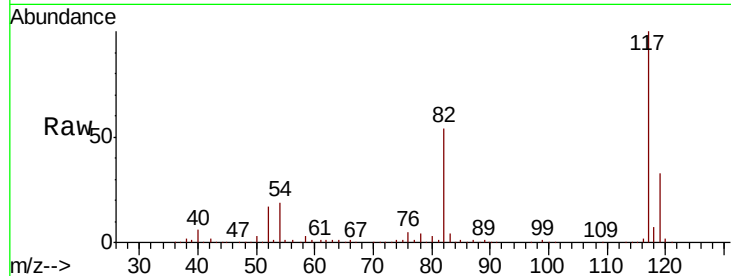




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX004518.D
Acq: 13 Sep 2018 16:08

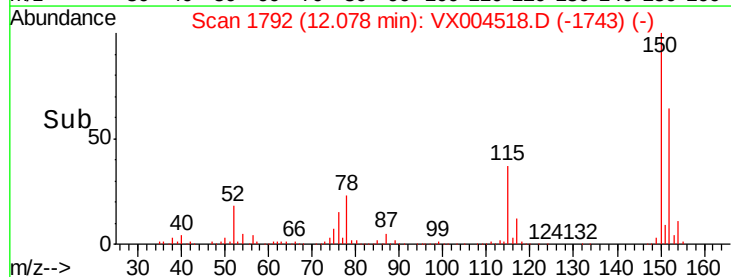
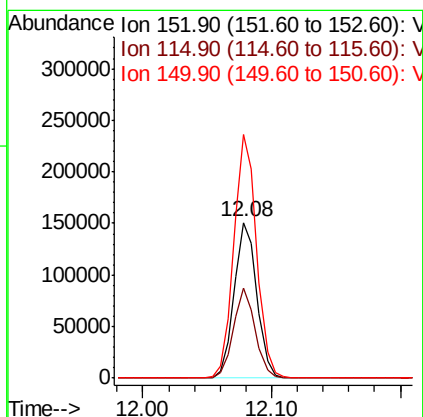
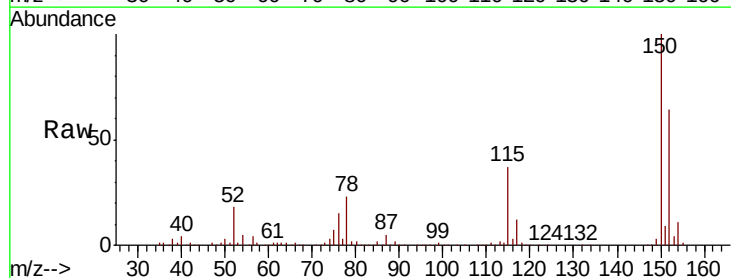
Instrument :
MSVOA_X
ClientSampleId :
FB-091218

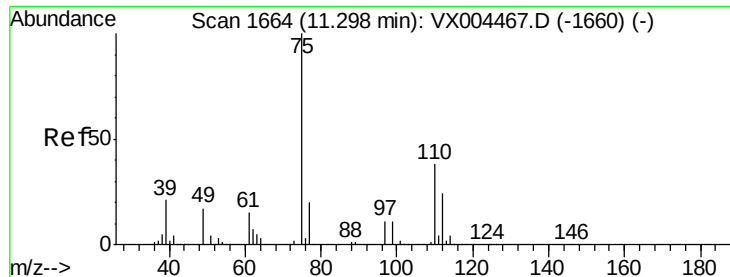
Tot Ion:117 Resp: 340401
Ion Ratio Lower Upper
117 100
82 53.7 47.8 71.6
119 32.7 29.3 43.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX004518.D
Acq: 13 Sep 2018 16:08

Tgt Ion:152 Resp: 185061
Ion Ratio Lower Upper
152 100
115 55.5 39.0 117.0
150 156.9 0.0 351.0

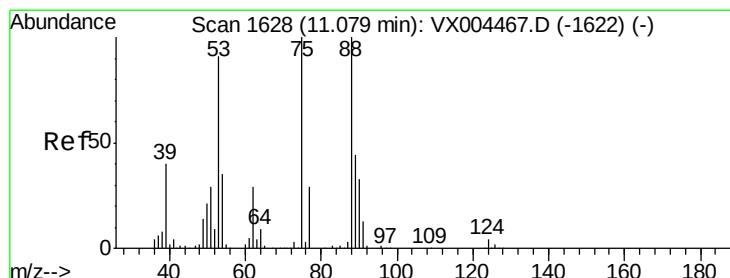
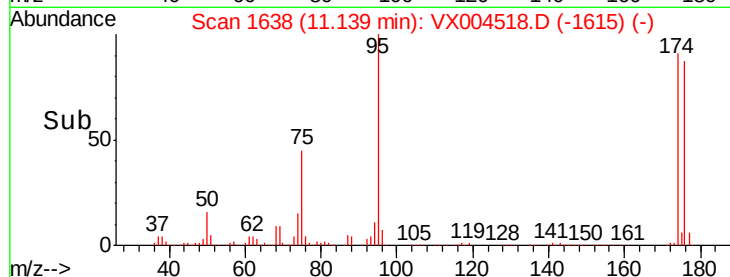
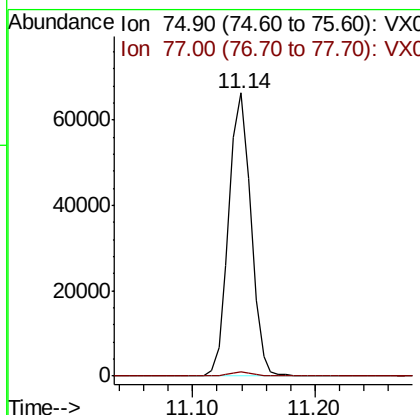
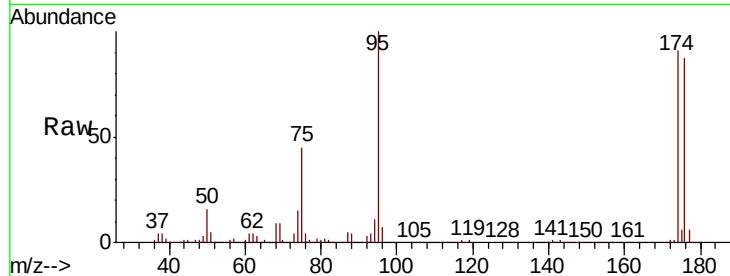




#76
 1,2,3-Trichloropropane
 Concen: 22.35 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. -0.16 min
 Lab File: VX004518.D
 Acq: 13 Sep 2018 16:08

Instrument :
 MSVOA_X
 ClientSampleID :
 FB-091218

Tot Ion: 75 Resp: 83213
 Ion Ratio Lower Upper
 75 100
 77 1.3 20.2 60.6#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 71.24 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. 0.06 min
 Lab File: VX004518.D
 Acq: 13 Sep 2018 16:08

Tgt Ion: 75 Resp: 83213
 Ion Ratio Lower Upper
 75 100
 53 0.2 80.1 120.1#
 89 0.0 37.2 55.8#

