

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX092618\
 Data File : VX004752.D
 Acq On : 27 Sep 2018 04:38
 Operator : JC/MD
 Sample : J5020-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FB-091918-01

Quant Time: Sep 27 05:24:07 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 26 14:17:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	292935	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	441476	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	411650	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	230616	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	217492	51.97	ug/l	0.00
Spiked Amount			Recovery	=	103.94%	
35) Dibromofluoromethane	5.51	113	187862	50.21	ug/l	0.00
Spiked Amount			Recovery	=	100.42%	
50) Toluene-d8	8.72	98	612718	49.26	ug/l	0.00
Spiked Amount			Recovery	=	98.52%	
62) 4-Bromofluorobenzene	11.14	95	223320	49.84	ug/l	0.00
Spiked Amount			Recovery	=	99.68%	

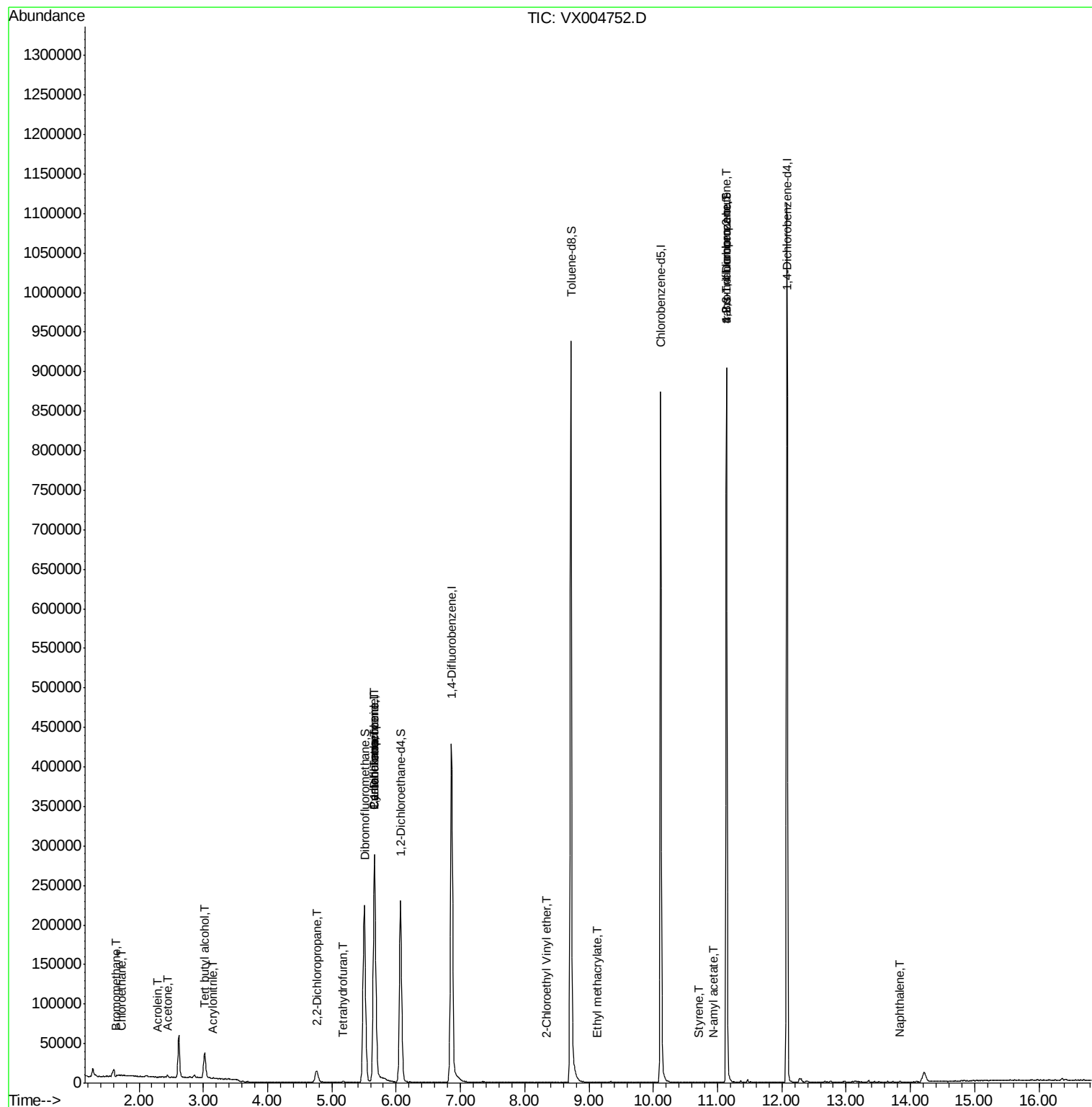
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	582	0.216	ug/l #	70
6) Chloroethane	1.73	64	7896	0.902	ug/l #	58
11) Tert butyl alcohol	3.02	59	20406	17.440	ug/l #	82
13) Acrolein	2.29	56	191	0.229	ug/l #	13
15) Acrylonitrile	3.14	53	553	0.215	ug/l #	83
16) Acetone	2.45	43	3038	1.244	ug/l	92
20) Methylene Chloride	2.86	84	1314	Below Cal	#	90
26) 2,2-Dichloropropane	4.76	77	1279	0.264	ug/l #	52
29) Tetrahydrofuran	5.16	42	571	0.255	ug/l #	85
31) Cyclohexane	5.66	56	4897	0.920	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	20311	3.979	ug/l #	49
38) Carbon Tetrachloride	5.67	117	26257	4.893	ug/l #	15
56) Ethyl methacrylate	9.12	69	39	2.868	ug/l #	1
58) 2-Chloroethyl Vinyl ether	8.34	63	20	14.248	ug/l #	45
70) Styrene	10.71	104	121	2.151	ug/l #	53
74) N-amyl acetate	10.93	43	20	1.750	ug/l #	40
76) 1,2,3-Trichloropropane	11.14	75	109972	21.276	ug/l #	37
80) 1,3,5-Trimethylbenzene	11.51	105	91	Below Cal	#	63
81) trans-1,4-Dichloro-2-buten	11.14	75	109972	57.707	ug/l #	10
84) 1,2,4-Trimethylbenzene	11.81	105	156	Below Cal	#	59
95) Naphthalene	13.83	128	527	0.747	ug/l #	91

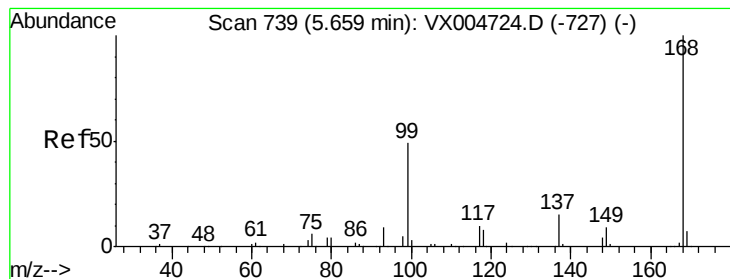
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX092618\
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Quant Time: Sep 27 05:24:07 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 26 14:17:02 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.00 min

Lab File: VX004752.D

Acq: 27 Sep 2018 04:38

Instrument :

MSVOA_X

ClientSampleId :

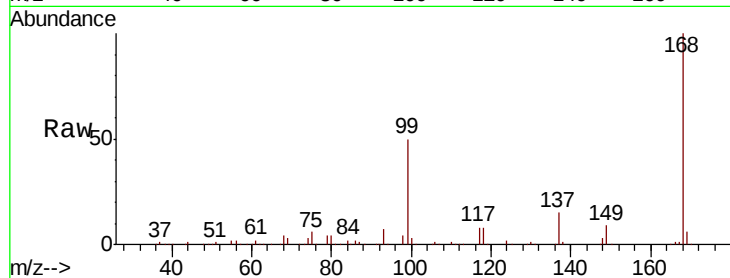
FB-091918-01

Tot Ion:168 Resp: 292935

Ion Ratio Lower Upper

168 100

99 50.2 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

120000

100000

80000

60000

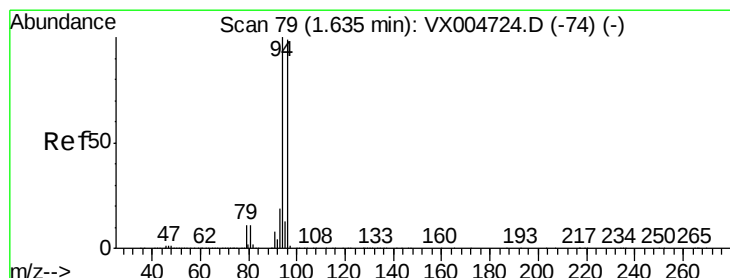
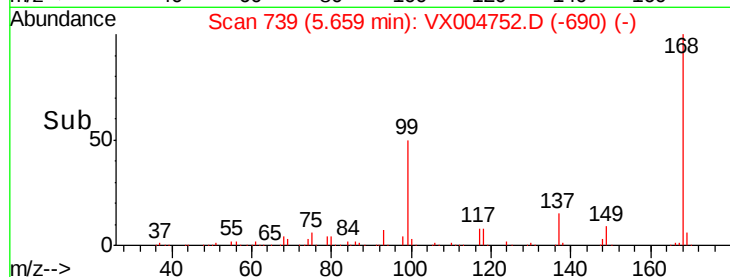
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.216 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX004752.D

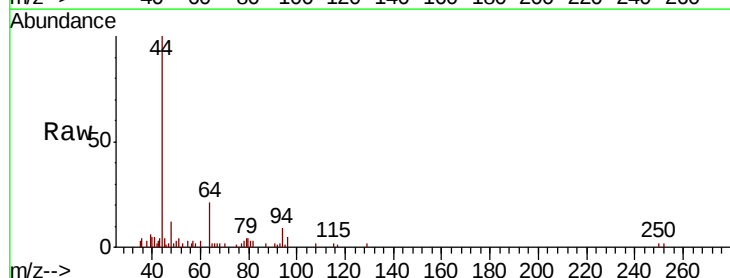
Acq: 27 Sep 2018 04:38

Tgt Ion: 94 Resp: 582

Ion Ratio Lower Upper

94 100

96 63.9 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

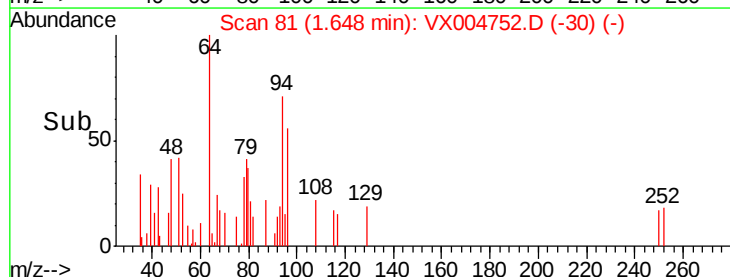
200

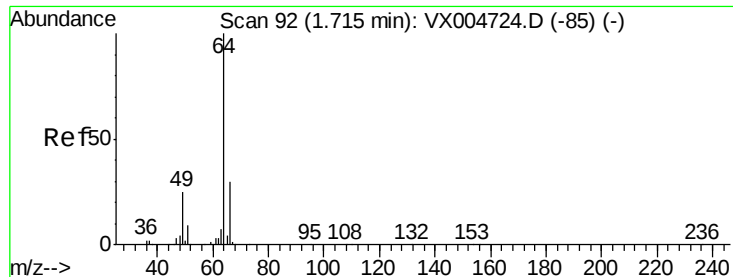
100

0

Time-->

1.60 1.65 1.70





#6

Chloroethane

Concen: 0.902 ug/l

RT: 1.73 min Scan# 95

Delta R.T. 0.02 min

Lab File: VX004752.D

Acq: 27 Sep 2018 04:38

Instrument :

MSVOA_X

ClientSampleId :

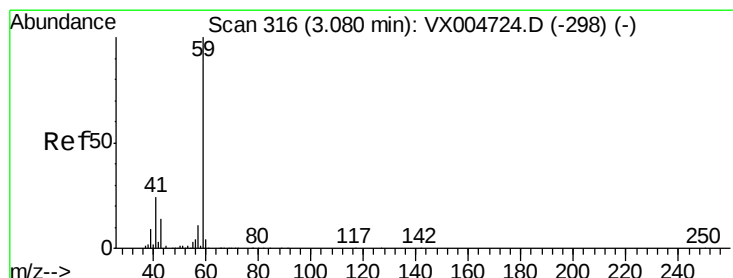
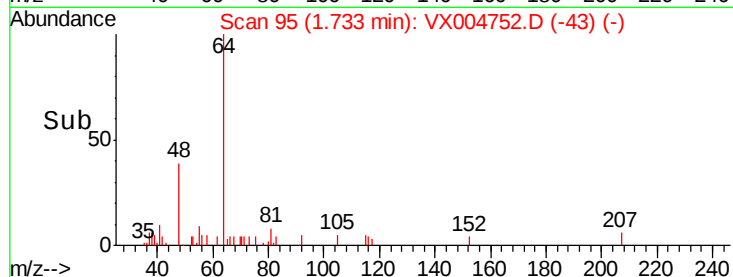
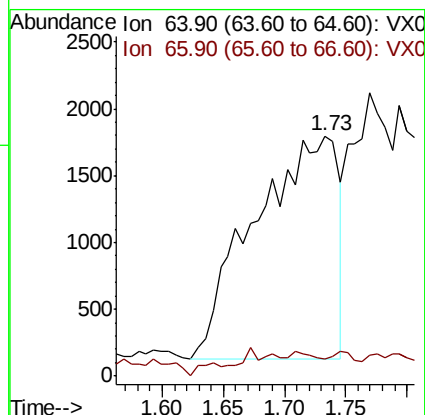
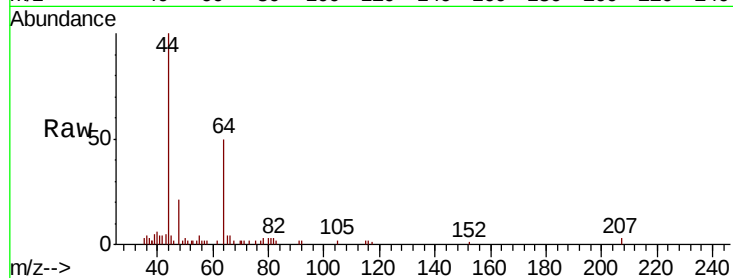
FB-091918-01

Tot Ion: 64 Resp: 7896

Ion Ratio Lower Upper

64 100

66 7.8 24.6 36.8#



#11

Tert butyl alcohol

Concen: 17.440 ug/l

RT: 3.02 min Scan# 306

Delta R.T. -0.06 min

Lab File: VX004752.D

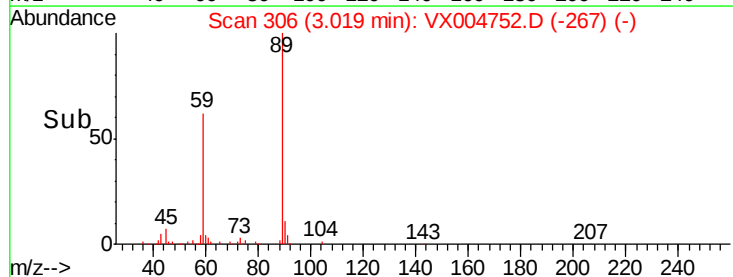
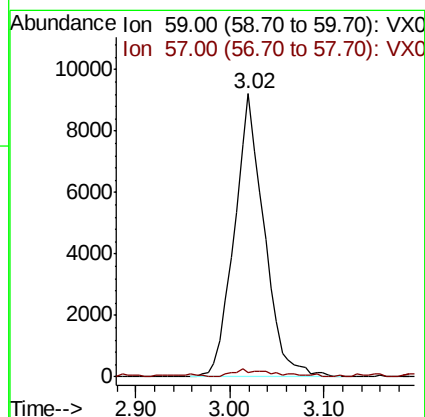
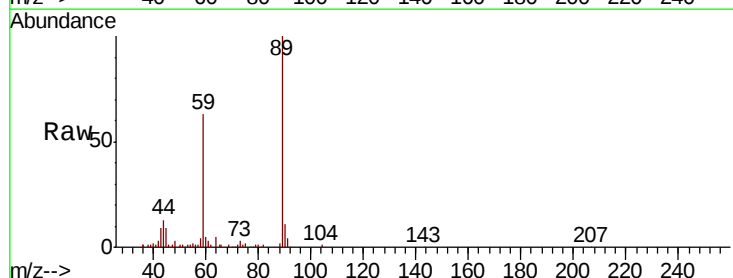
Acq: 27 Sep 2018 04:38

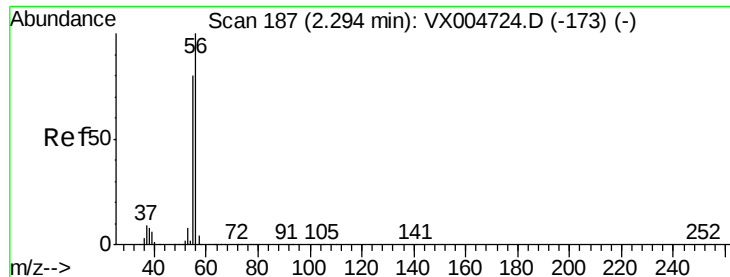
Tgt Ion: 59 Resp: 20406

Ion Ratio Lower Upper

59 100

57 3.7 8.2 12.4#





#13

Acrolein

Concen: 0.229 ug/l

RT: 2.29 min Scan# 186

Delta R.T. -0.01 min

Lab File: VX004752.D

Acq: 27 Sep 2018 04:38

Instrument :

MSVOA_X

ClientSampleId :

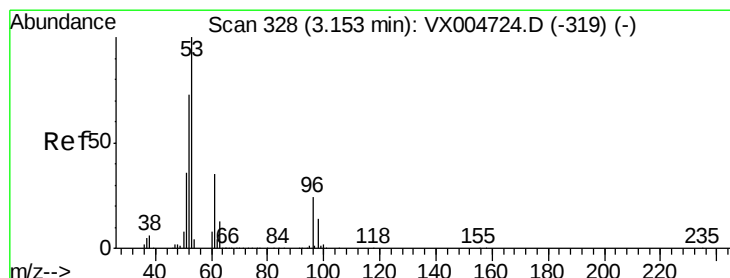
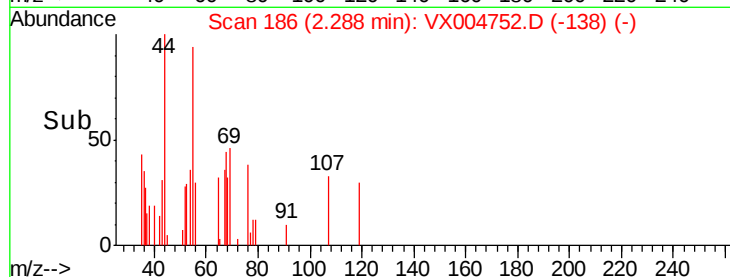
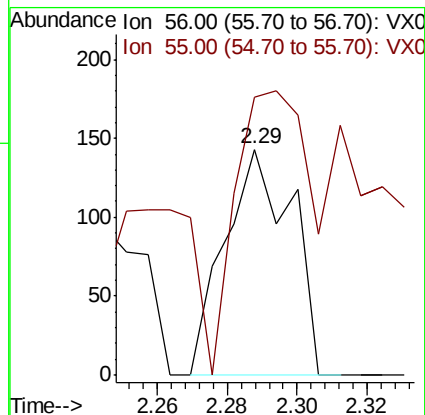
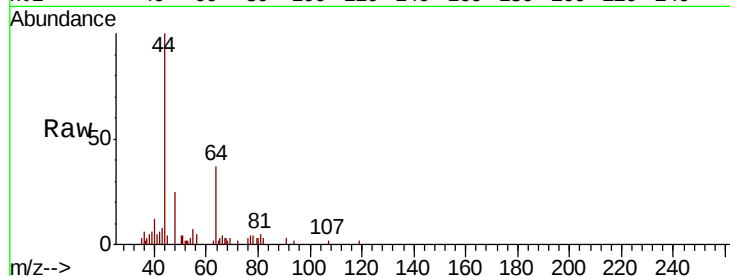
FB-091918-01

Tot Ion: 56 Resp: 191

Ion Ratio Lower Upper

56 100

55 138.7 54.7 82.1#



#15

Acrylonitrile

Concen: 0.215 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.01 min

Lab File: VX004752.D

Acq: 27 Sep 2018 04:38

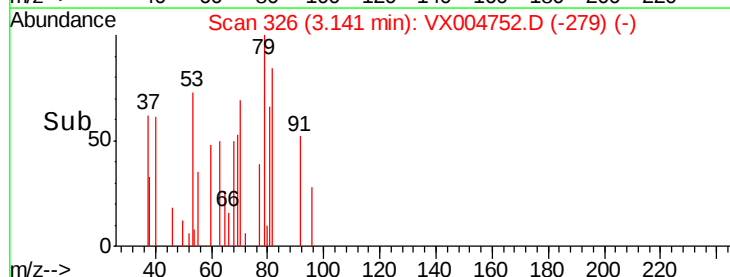
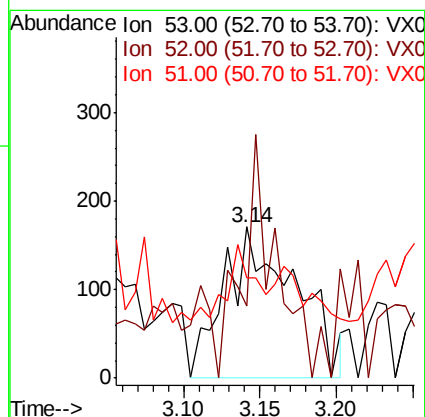
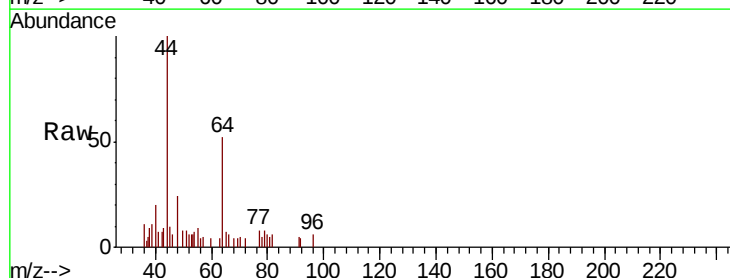
Tgt Ion: 53 Resp: 553

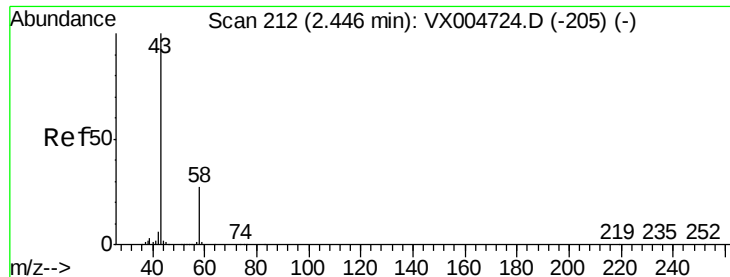
Ion Ratio Lower Upper

53 100

52 72.3 65.2 97.8

51 16.3 28.2 42.2#





#16

Acetone

Concen: 1.244 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX004752.D

Acq: 27 Sep 2018 04:38

Instrument :

MSVOA_X

ClientSampleId :

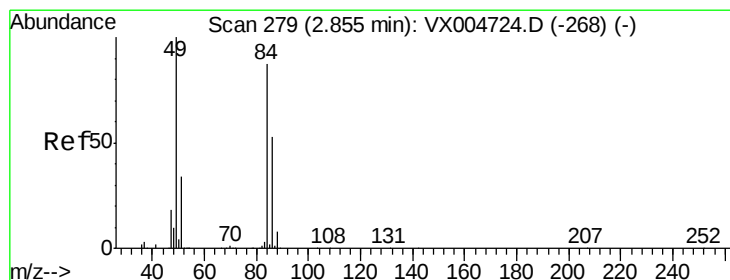
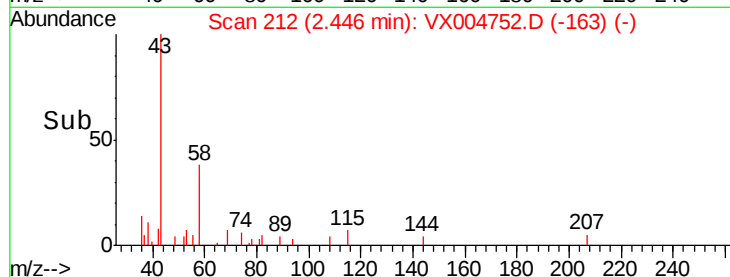
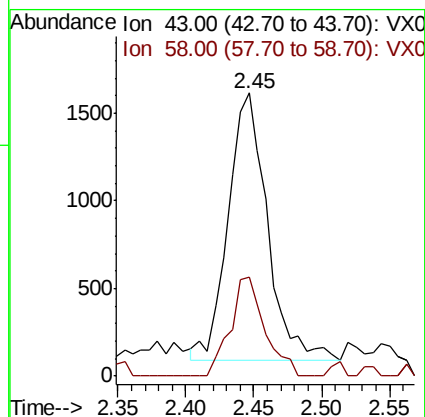
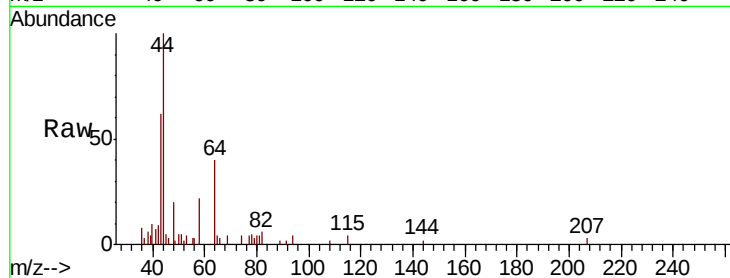
FB-091918-01

Tot Ion: 43 Resp: 3038

Ion Ratio Lower Upper

43 100

58 37.1 26.2 39.4



#20

Methylene Chloride

Concen: Below Cal

RT: 2.86 min Scan# 280

Delta R.T. 0.01 min

Lab File: VX004752.D

Acq: 27 Sep 2018 04:38

Tgt Ion: 84 Resp: 1314

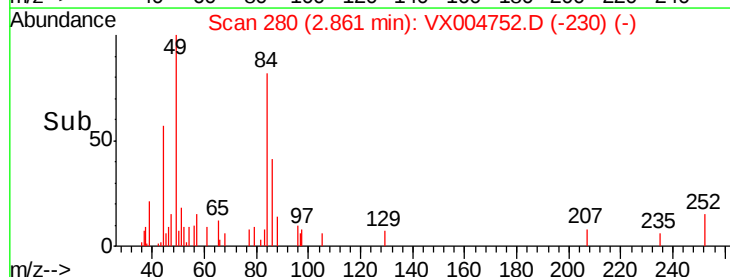
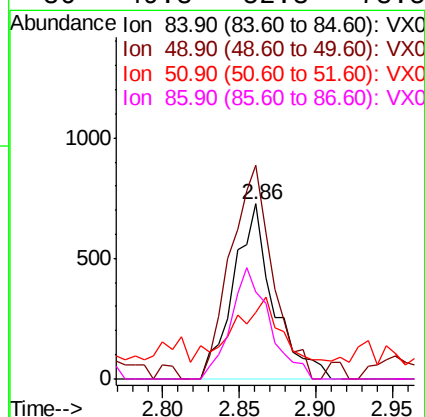
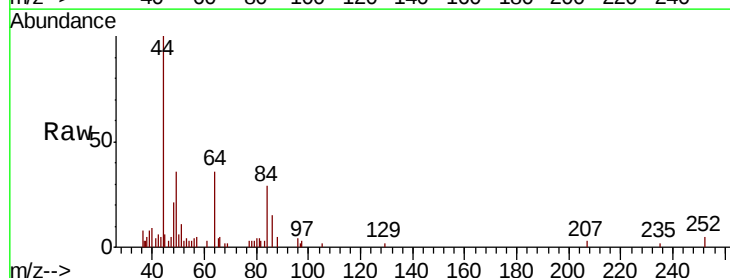
Ion Ratio Lower Upper

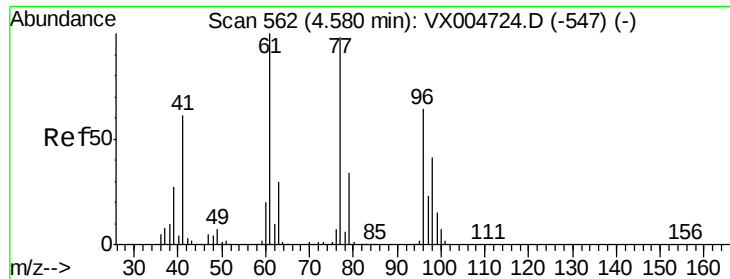
84 100

49 122.2 101.2 151.8

51 29.0 29.5 44.3#

86 49.8 52.3 78.5#





#26

2,2-Dichloropropane

Concen: 0.264 ug/l

RT: 4.76 min Scan# 591

Delta R.T. 0.18 min

Lab File: VX004752.D

Acq: 27 Sep 2018 04:38

Instrument :

MSVOA_X

ClientSampleId :

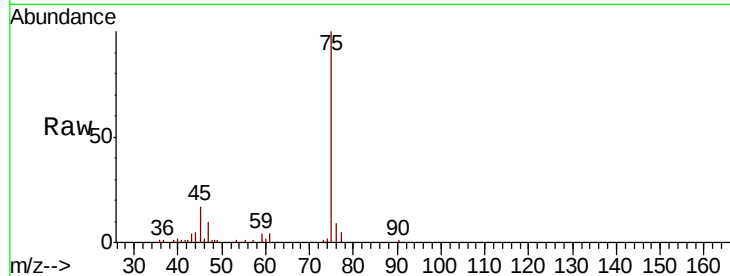
FB-091918-01

Tot Ion: 77 Resp: 1279

Ion Ratio Lower Upper

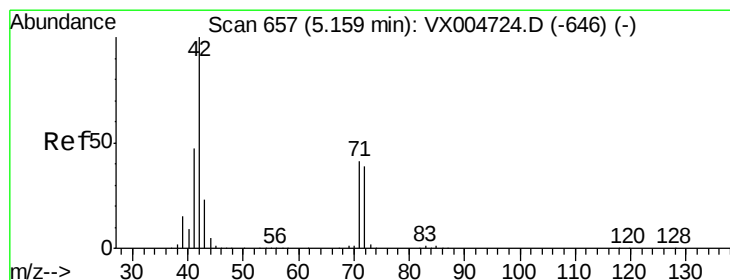
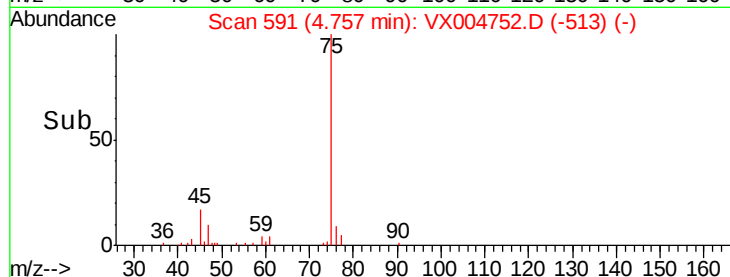
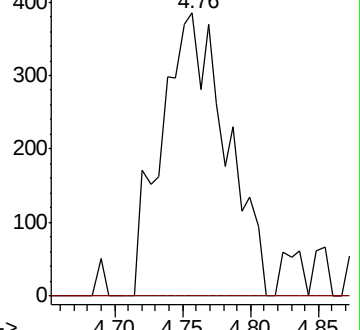
77 100

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



#29

Tetrahydrofuran

Concen: 0.255 ug/l

RT: 5.16 min Scan# 657

Delta R.T. 0.00 min

Lab File: VX004752.D

Acq: 27 Sep 2018 04:38

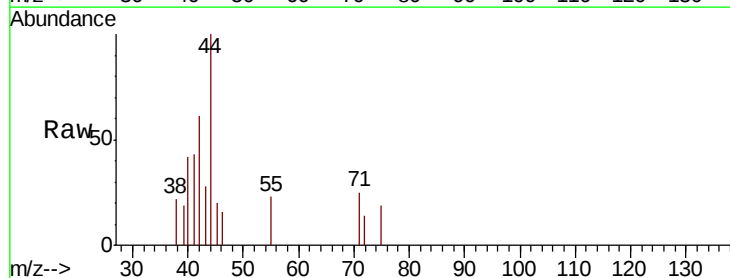
Tgt Ion: 42 Resp: 571

Ion Ratio Lower Upper

42 100

72 47.5 37.4 56.0

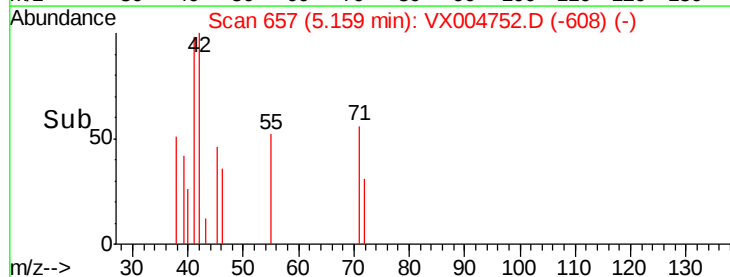
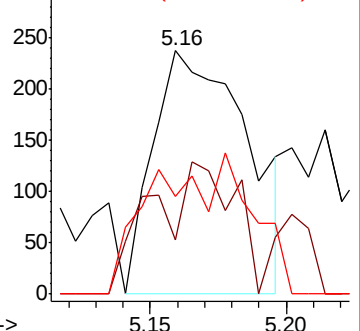
71 23.6 34.5 51.7#

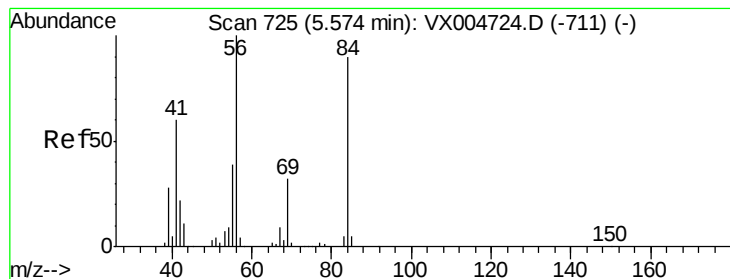


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0





#31

Cyclohexane

Concen: 0.920 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.09 min

Lab File: VX004752.D

Acq: 27 Sep 2018 04:38

Instrument :

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ClientSampleId :

FB-091918-01

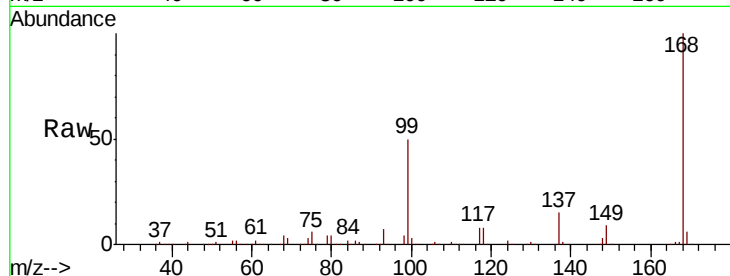
Tot Ion: 56 Resp: 4897

Ion Ratio Lower Upper

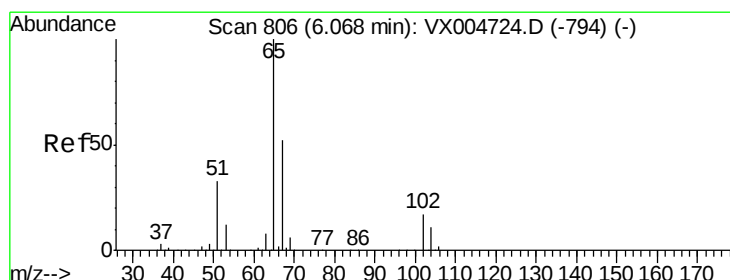
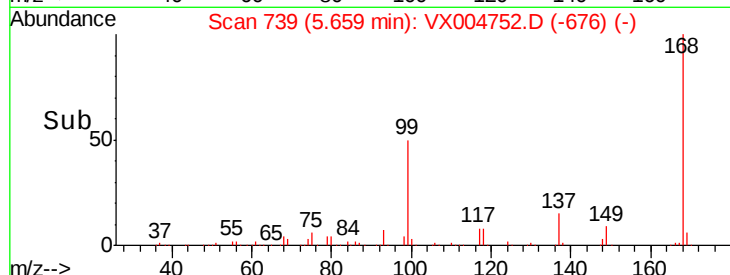
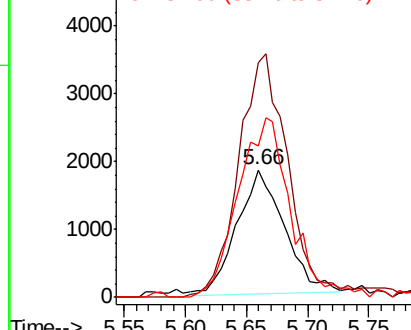
56 100

69 189.8 25.4 38.2#

84 124.2 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: 51.975 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX004752.D

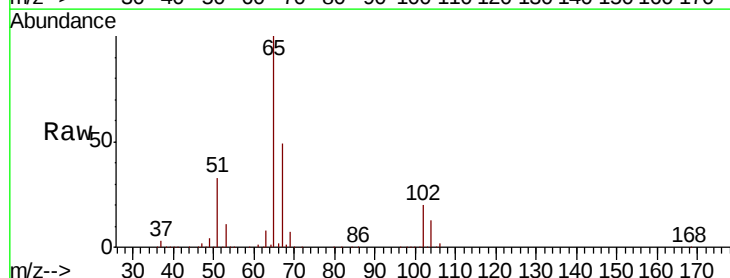
Acq: 27 Sep 2018 04:38

Tgt Ion: 65 Resp: 217492

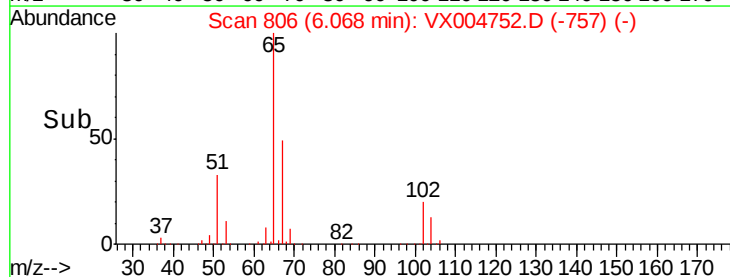
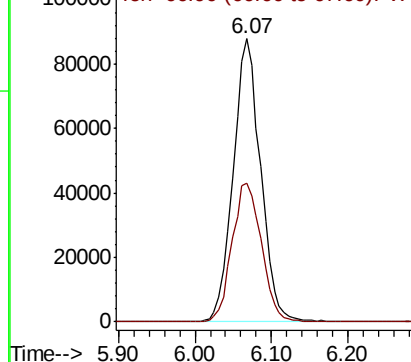
Ion Ratio Lower Upper

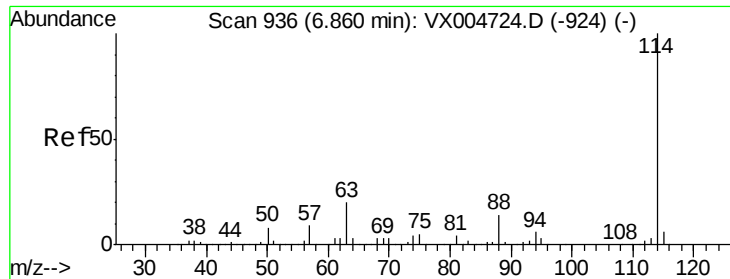
65 100

67 52.7 0.0 106.8



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

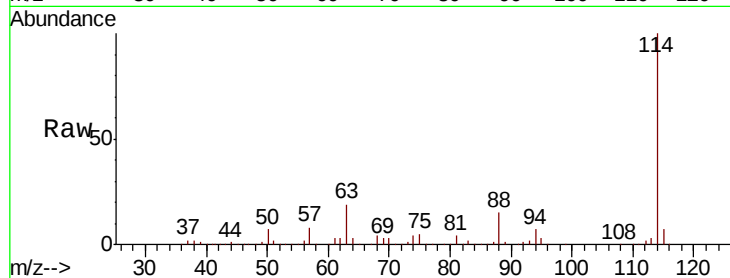




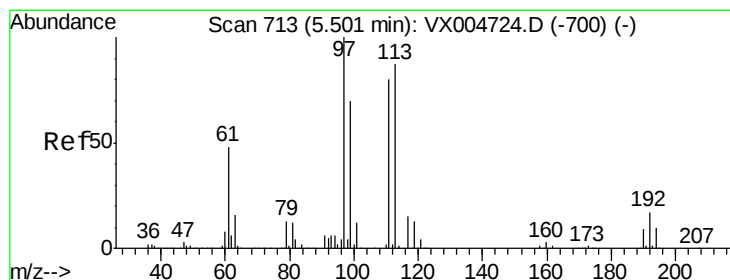
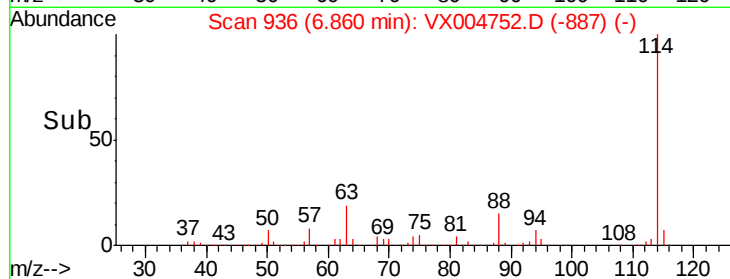
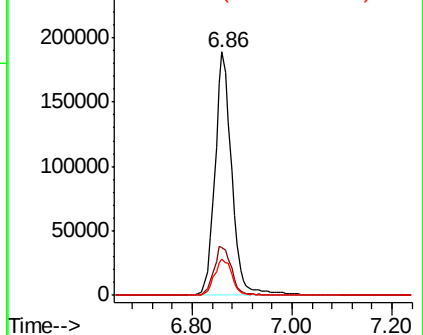
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX004752.D
 Acq: 27 Sep 2018 04:38

Instrument :
 MSVOA_X
 ClientSampleId :
 FB-091918-01

Tot Ion:114 Resp: 441476
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 39.0
 88 14.7 0.0 30.4

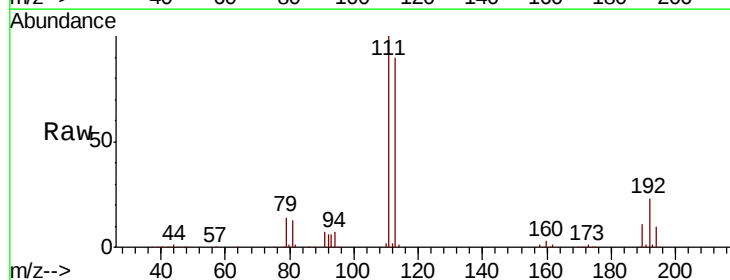


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

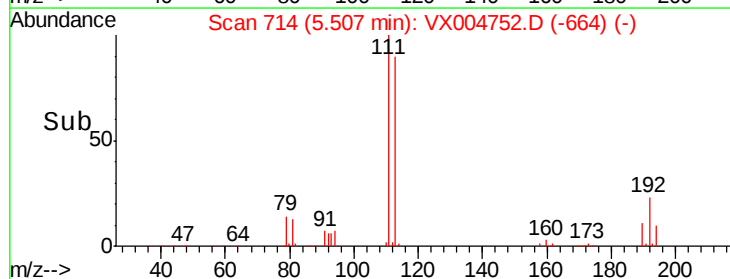
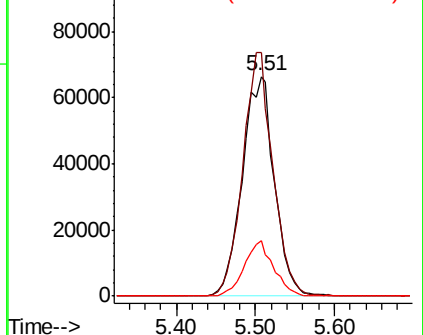


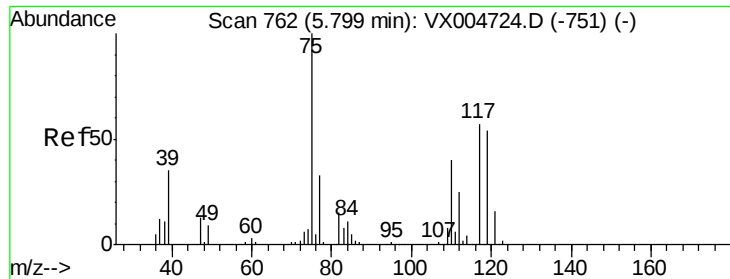
#35
 Dibromofluoromethane
 Concen: 50.209 ug/l
 RT: 5.51 min Scan# 714
 Delta R.T. 0.01 min
 Lab File: VX004752.D
 Acq: 27 Sep 2018 04:38

Tgt Ion:113 Resp: 187862
 Ion Ratio Lower Upper
 113 100
 111 104.3 82.4 123.6
 192 23.1 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: 3.979 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX004752.D

Acq: 27 Sep 2018 04:38

Instrument :

MSVOA_X

ClientSampleId :

FB-091918-01

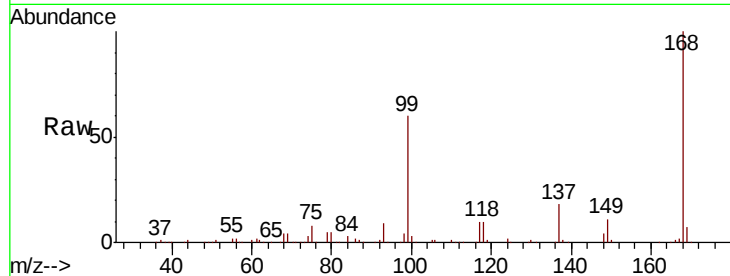
Tot Ion: 75 Resp: 20311

Ion Ratio Lower Upper

75 100

110 9.1 18.0 54.0#

77 0.0 24.6 36.8#

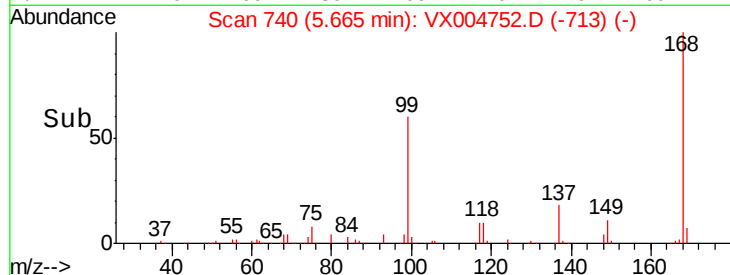


Abundance Ion 74.90 (74.60 to 75.60): VX004724.D (-751) (-)

Ion 109.90 (109.60 to 110.60): VX004724.D (-751) (-)

Ion 76.90 (76.60 to 77.60): VX004724.D (-751) (-)

Time-->

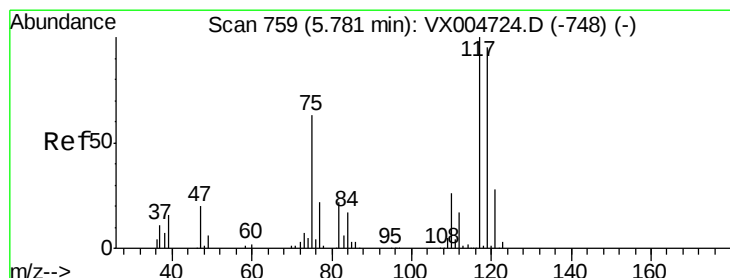


Abundance Ion 74.90 (74.60 to 75.60): VX004724.D (-751) (-)

Ion 109.90 (109.60 to 110.60): VX004724.D (-751) (-)

Ion 76.90 (76.60 to 77.60): VX004724.D (-751) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 4.893 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX004752.D

Acq: 27 Sep 2018 04:38

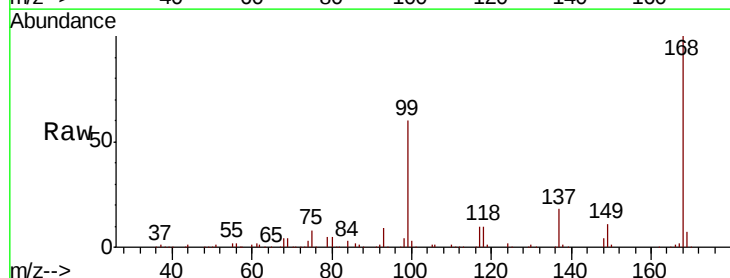
Tgt Ion: 117 Resp: 26257

Ion Ratio Lower Upper

117 100

119 5.9 78.8 118.2#

121 0.0 24.9 37.3#

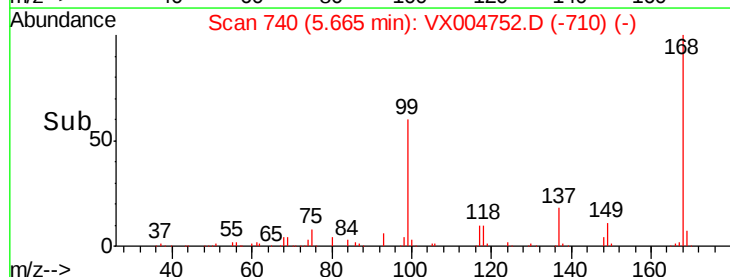


Abundance Ion 116.80 (116.50 to 117.50): VX004724.D (-748) (-)

Ion 118.80 (118.50 to 119.50): VX004724.D (-748) (-)

Ion 120.80 (120.50 to 121.50): VX004724.D (-748) (-)

Time-->

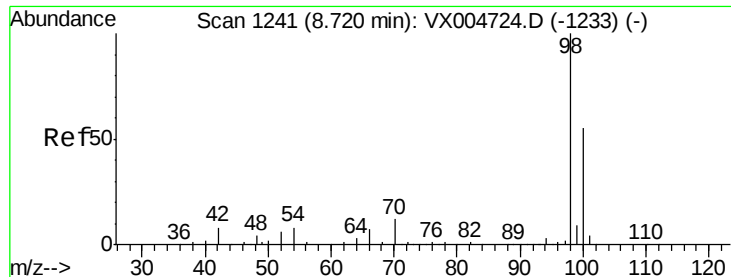


Abundance Ion 116.80 (116.50 to 117.50): VX004724.D (-748) (-)

Ion 118.80 (118.50 to 119.50): VX004724.D (-748) (-)

Ion 120.80 (120.50 to 121.50): VX004724.D (-748) (-)

Time-->



#50

Toluene-d8

Concen: 49.259 ug/l

RT: 8.72 min Scan# 1241

Delta R.T. 0.00 min

Lab File: VX004752.D

Acq: 27 Sep 2018 04:38

Instrument :

MSVOA_X

ClientSampleId :

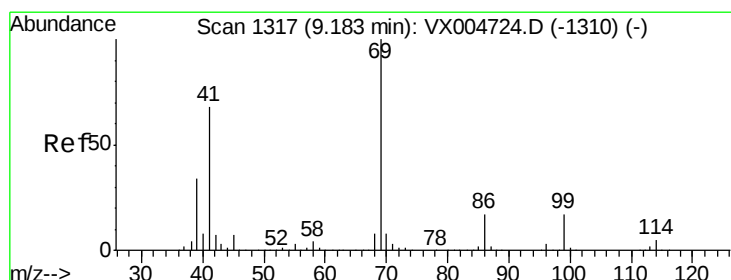
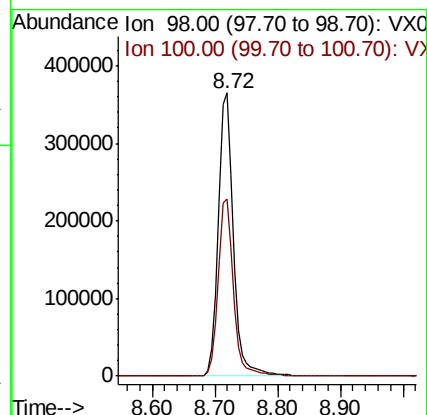
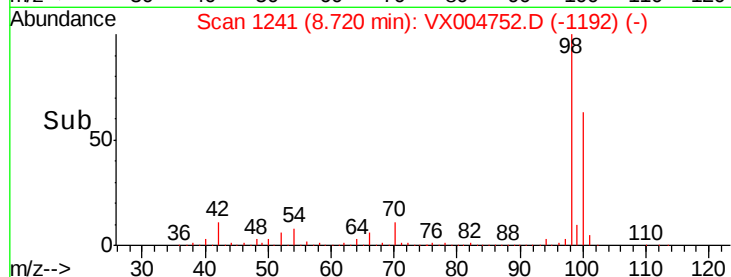
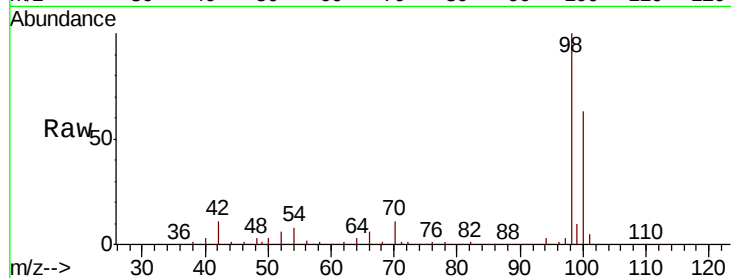
FB-091918-01

Tot Ion: 98 Resp: 612718

Ion Ratio Lower Upper

98 100

100 63.4 52.9 79.3



#56

Ethyl methacrylate

Concen: 2.868 ug/l

RT: 9.12 min Scan# 1307

Delta R.T. -0.06 min

Lab File: VX004752.D

Acq: 27 Sep 2018 04:38

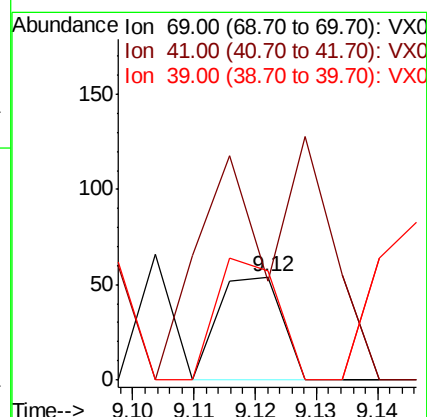
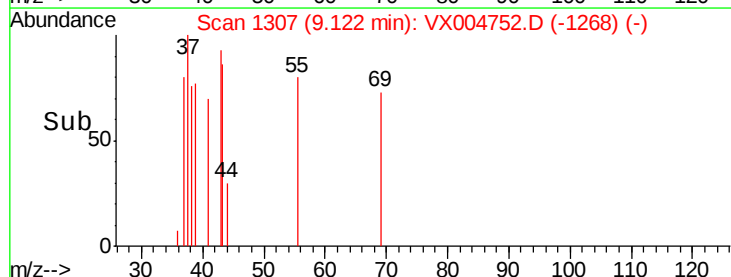
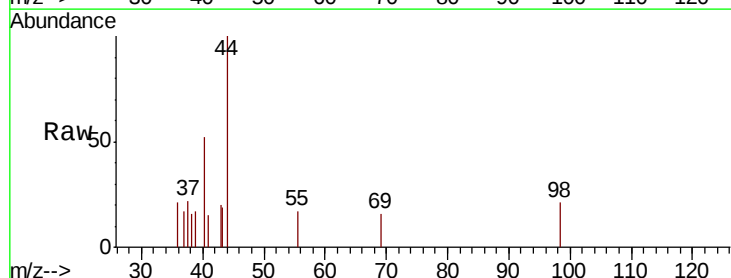
Tgt Ion: 69 Resp: 39

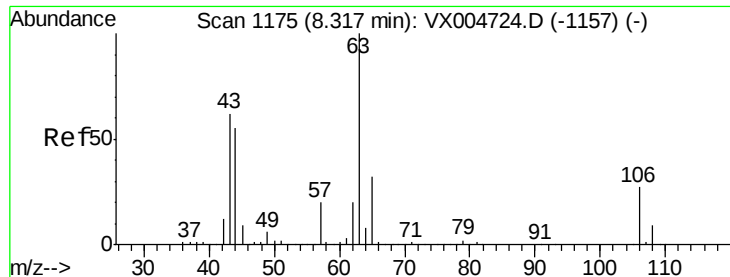
Ion Ratio Lower Upper

69 100

41 392.3 51.0 76.4#

39 112.8 26.1 39.1#

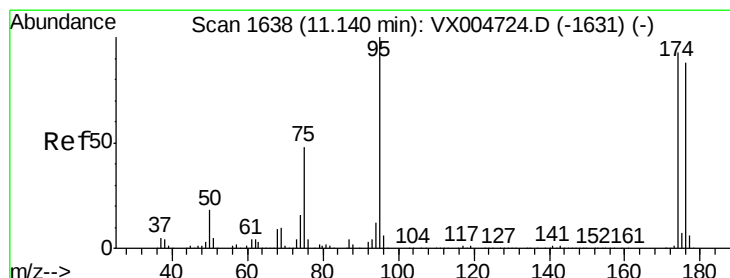
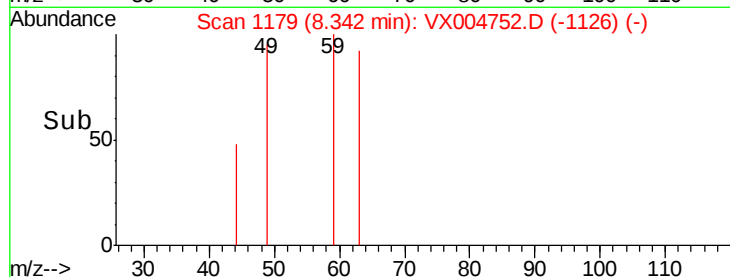
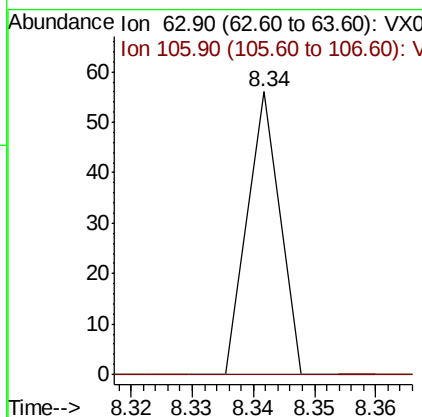
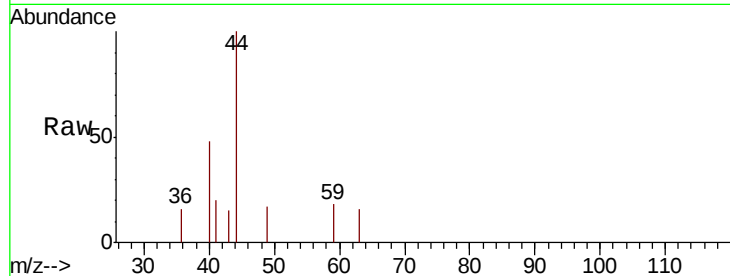




#58
 2-Chloroethyl Vinyl ether
 Concen: 14.248 ug/l
 RT: 8.34 min Scan# 1179
 Delta R.T. 0.02 min
 Lab File: VX004752.D
 Acq: 27 Sep 2018 04:38

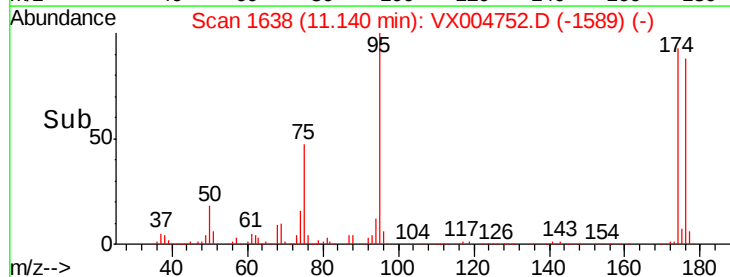
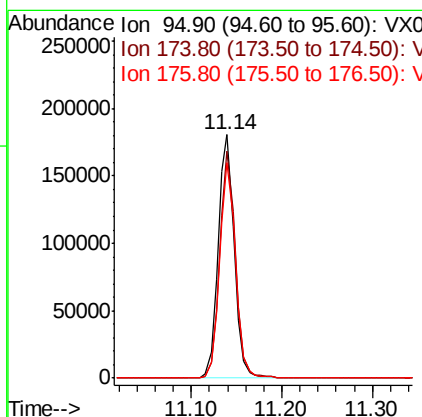
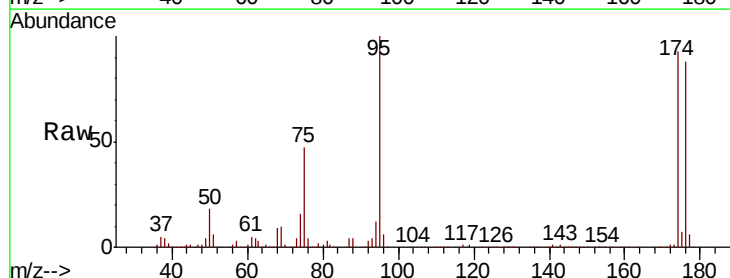
Instrument :
 MSVOA_X
 ClientSampleId :
 FB-091918-01

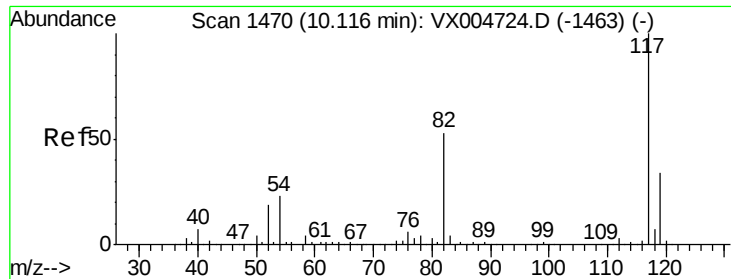
Tot Ion: 63 Resp: 20
 Ion Ratio Lower Upper
 63 100
 106 0.0 23.9 35.9#



#62
 4-Bromofluorobenzene
 Concen: 49.835 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. 0.00 min
 Lab File: VX004752.D
 Acq: 27 Sep 2018 04:38

Tgt Ion: 95 Resp: 223320
 Ion Ratio Lower Upper
 95 100
 174 91.7 0.0 185.2
 176 87.9 0.0 178.6

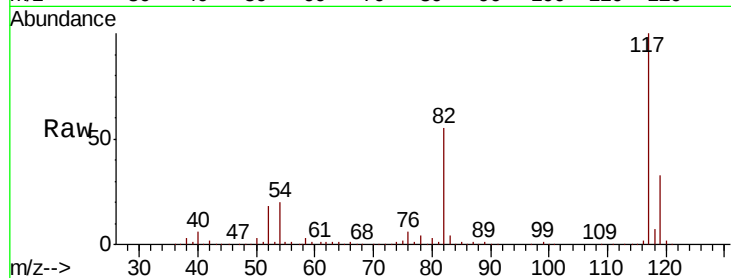




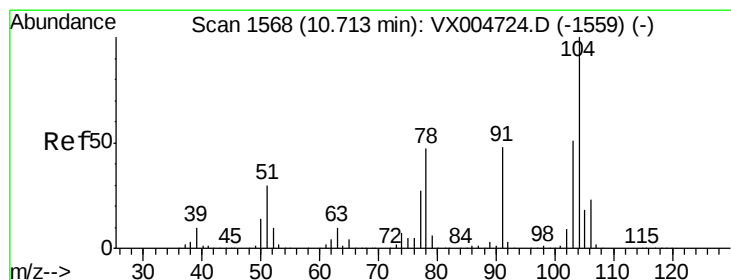
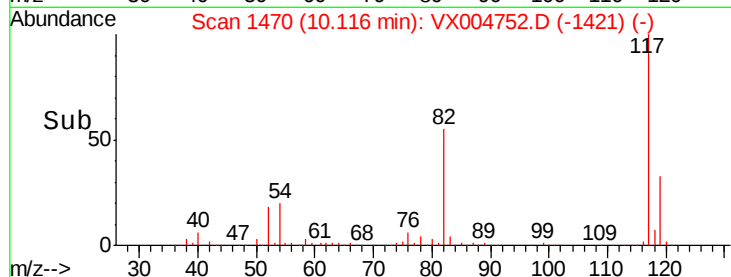
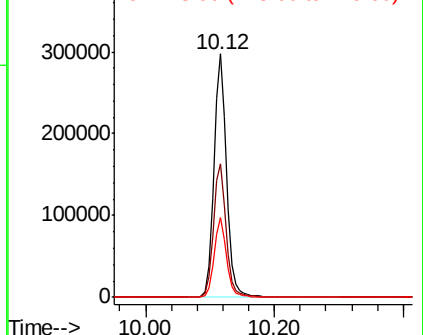
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX004752.D
Acq: 27 Sep 2018 04:38

Instrument :
MSVOA_X
ClientSampleId :
FB-091918-01

Tot Ion:117 Resp: 411650
Ion Ratio Lower Upper
117 100
82 55.0 47.8 71.6
119 32.6 29.3 43.9

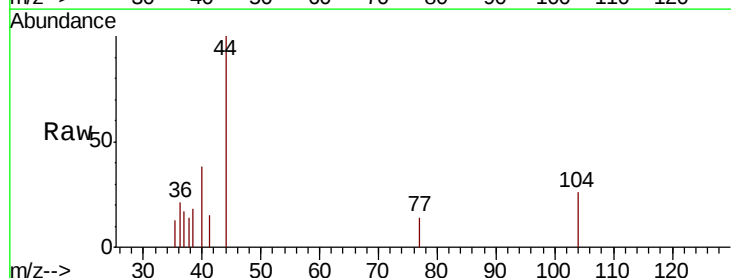


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

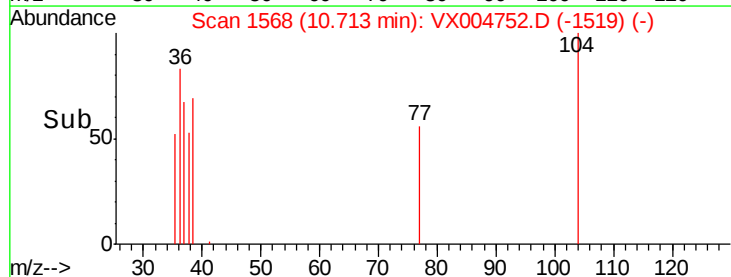
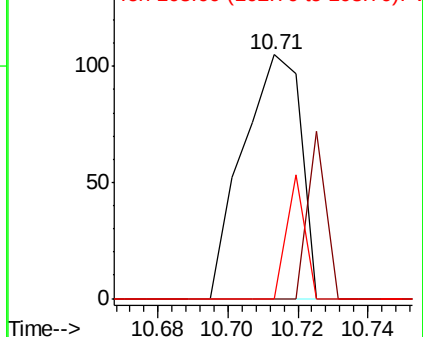


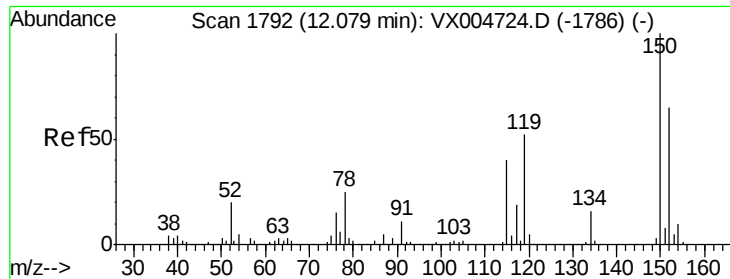
#70
Styrene
Concen: 2.151 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX004752.D
Acq: 27 Sep 2018 04:38

Tgt Ion:104 Resp: 121
Ion Ratio Lower Upper
104 100
78 21.5 37.4 56.0#
103 15.7 43.8 65.6#



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX004752.D

Acq: 27 Sep 2018 04:38

Instrument :

MSVOA_X

ClientSampleId :

FB-091918-01

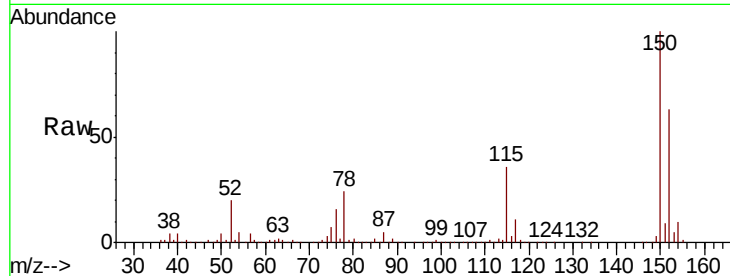
Tot Ion:152 Resp: 230616

Ion Ratio Lower Upper

152 100

115 55.6 39.0 117.0

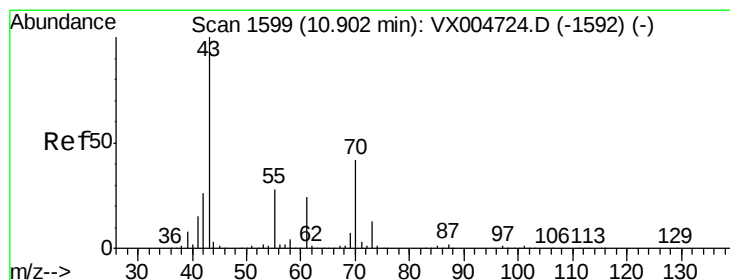
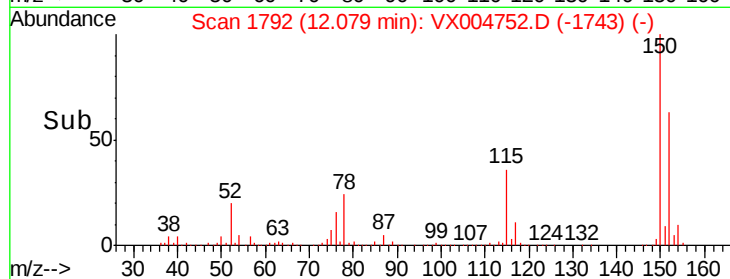
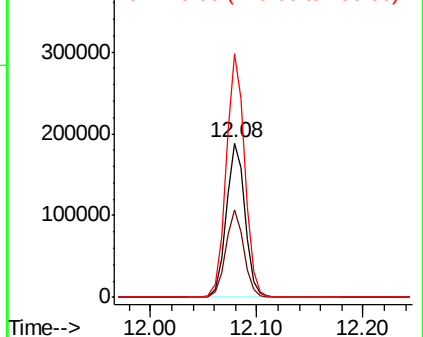
150 157.5 0.0 351.0



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



#74

N-ethyl acetate

Concen: 1.750 ug/l

RT: 10.93 min Scan# 1603

Delta R.T. 0.02 min

Lab File: VX004752.D

Acq: 27 Sep 2018 04:38

Tgt Ion: 43 Resp: 20

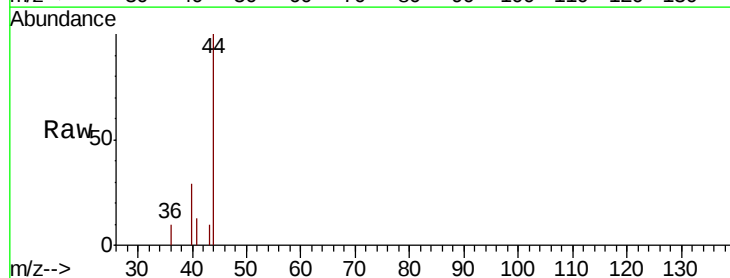
Ion Ratio Lower Upper

43 100

70 0.0 37.4 56.0#

55 0.0 21.8 32.8#

61 0.0 20.6 30.8#

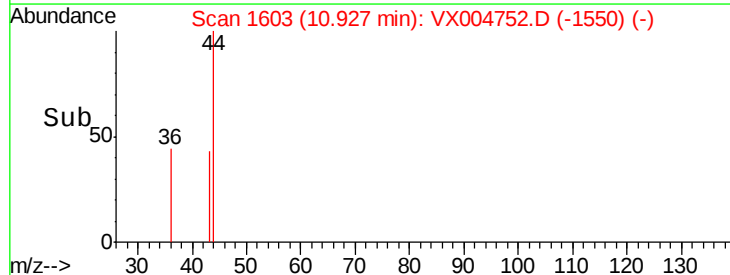
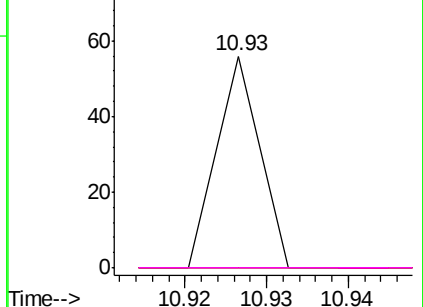


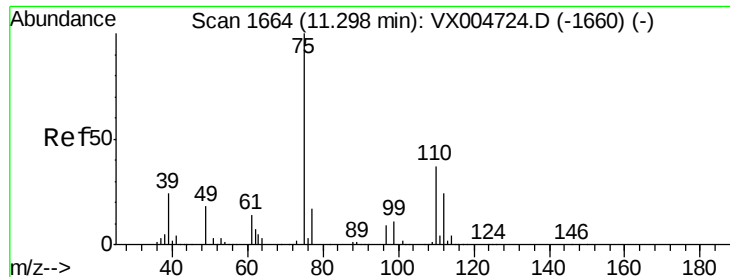
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

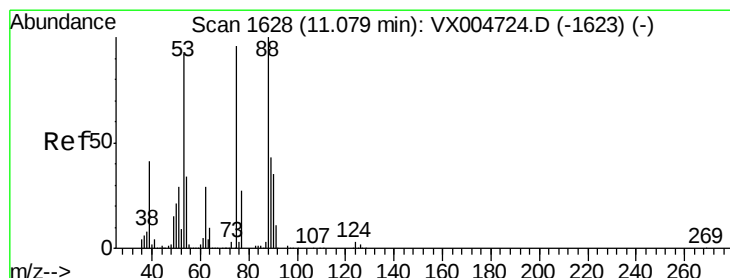
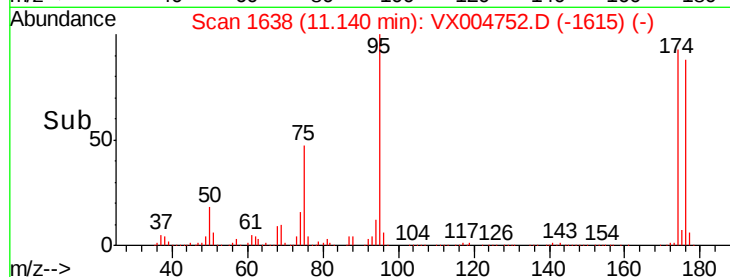
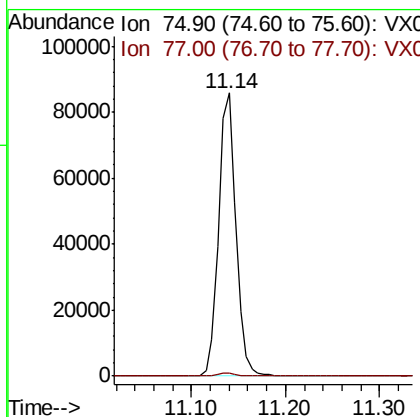
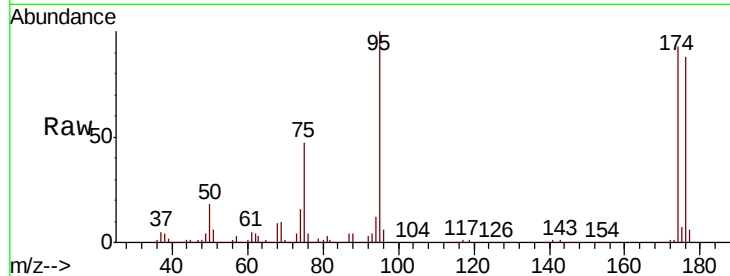




#76
 1,2,3-Trichloropropane
 Concen: 21.276 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. -0.16 min
 Lab File: VX004752.D
 Acq: 27 Sep 2018 04:38

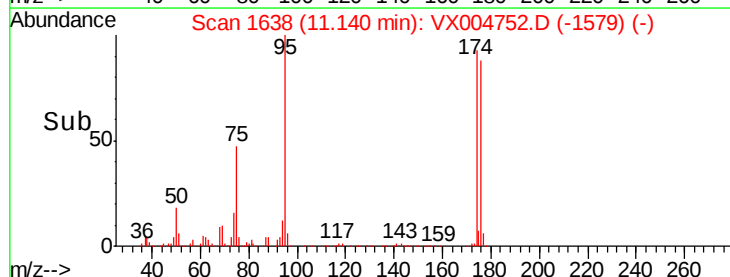
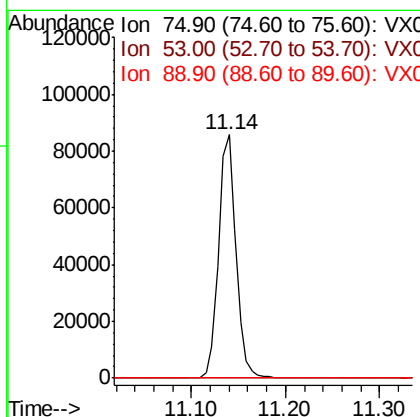
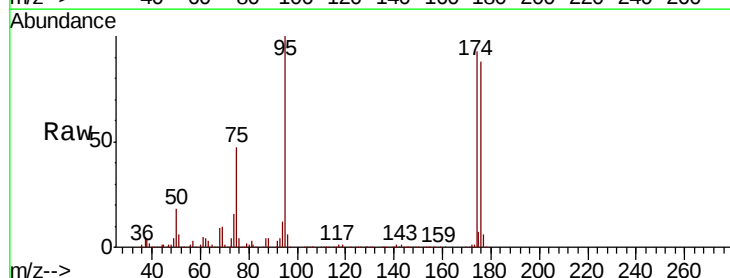
Instrument :
 MSVOA_X
 ClientSampleId :
 FB-091918-01

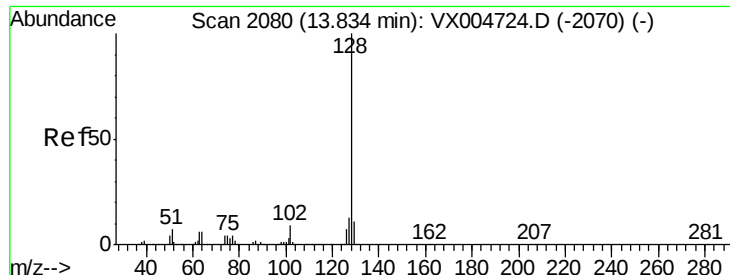
Tot Ion: 75 Resp: 109972
 Ion Ratio Lower Upper
 75 100
 77 1.2 20.2 60.6#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 57.707 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. 0.06 min
 Lab File: VX004752.D
 Acq: 27 Sep 2018 04:38

Tgt Ion: 75 Resp: 109972
 Ion Ratio Lower Upper
 75 100
 53 0.2 80.1 120.1#
 89 0.0 37.2 55.8#





#95

Naphthalene

Concen: 0.747 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX004752.D

Acq: 27 Sep 2018 04:38

Instrument :

MSVOA_X

ClientSampleId :

FB-091918-01

Tot Ion:128 Resp: 527

Ion Ratio Lower Upper

128 100

127 16.5 10.2 15.2#

129 13.7 8.6 12.8#

