

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX031919\
 Data File : VX008192.D
 Acq On : 19 Mar 2019 15:35
 Operator : JC/SP
 Sample : K1860-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FB01-20190311

Quant Time: Mar 20 07:09:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X031919W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 20 06:51:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	348540	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	567580	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	476117	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	192432	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	243196	46.33	ug/l	0.00
Spiked Amount 50.000			Recovery =	92.66%		
35) Dibromofluoromethane	5.50	113	177618	46.75	ug/l	0.00
Spiked Amount 50.000			Recovery =	93.50%		
50) Toluene-d8	8.71	98	691489	48.00	ug/l	0.00
Spiked Amount 50.000			Recovery =	96.00%		
62) 4-Bromofluorobenzene	11.13	95	224144	45.19	ug/l	0.00
Spiked Amount 50.000			Recovery =	90.38%		

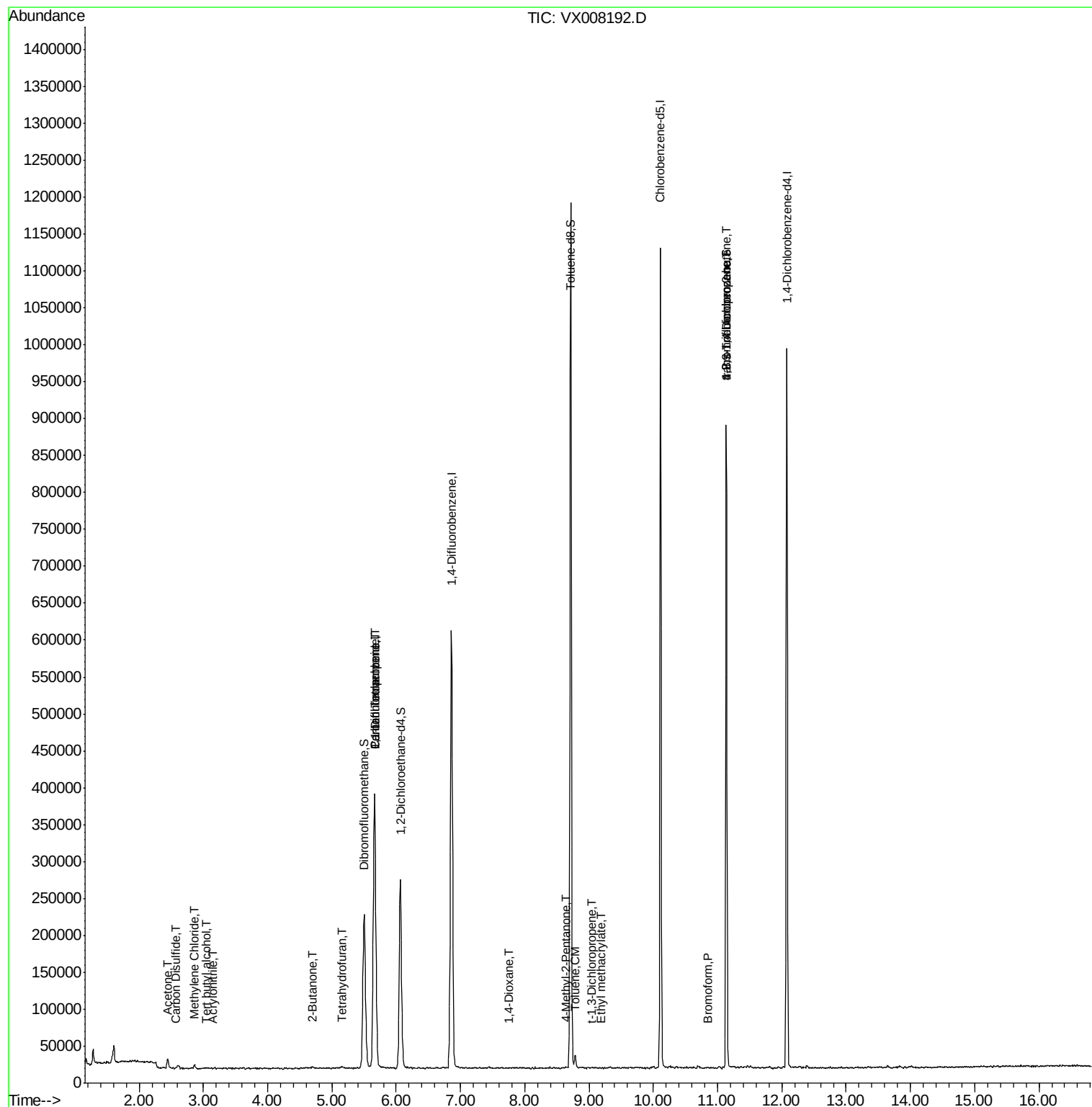
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.04	59	1743	1.551	ug/l #	50
13) Acrolein	2.32	56	588	Below Cal	#	35
15) Acrylonitrile	3.15	53	700	0.236	ug/l #	25
16) Acetone	2.45	43	15499	5.206	ug/l	95
17) Carbon Disulfide	2.57	76	2415	0.848	ug/l #	86
20) Methylene Chloride	2.86	84	2674	0.539	ug/l #	89
25) 2-Butanone	4.70	43	3945	0.898	ug/l #	76
29) Tetrahydrofuran	5.15	42	1696	0.617	ug/l #	75
36) 1,1-Dichloropropene	5.66	75	28789	4.357	ug/l #	51
38) Carbon Tetrachloride	5.66	117	34269	5.820	ug/l #	16
49) 1,4-Dioxane	7.75	88	68	0.579	ug/l #	1
51) 4-Methyl-2-Pentanone	8.64	43	1710	0.211	ug/l #	68
52) Toluene	8.79	92	5987	0.516	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	326	1.462	ug/l #	43
56) Ethyl methacrylate	9.18	69	147	0.543	ug/l #	49
71) Bromoform	10.85	173	63	2.220	ug/l #	29
76) 1,2,3-Trichloropropane	11.13	75	117302	21.673	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	117302	55.100	ug/l #	12

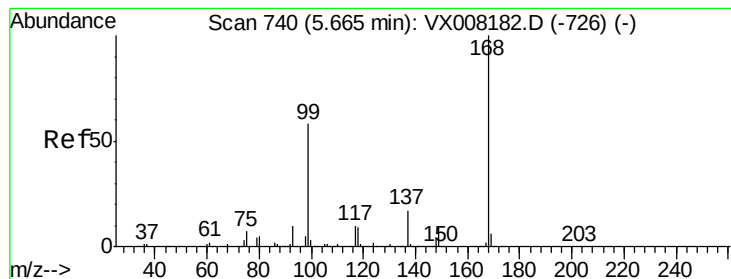
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX008192.D

Acq: 19 Mar 2019 15:35

Instrument :

MSVOA_X

ClientSampleId :

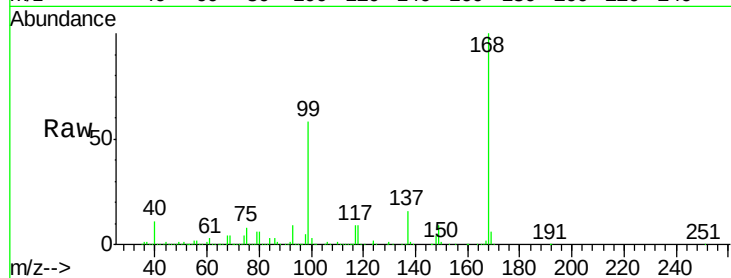
FB01-20190311

Tot Ion:168 Resp: 348540

Ion Ratio Lower Upper

168 100

99 57.6 37.6 56.4#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

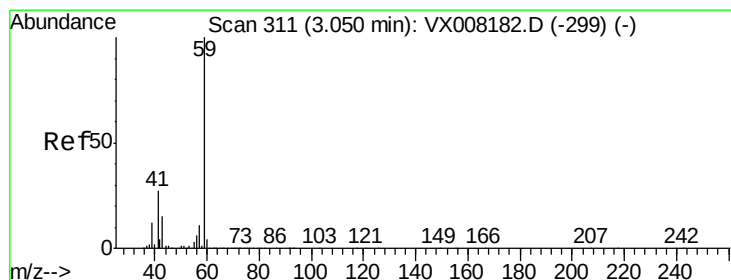
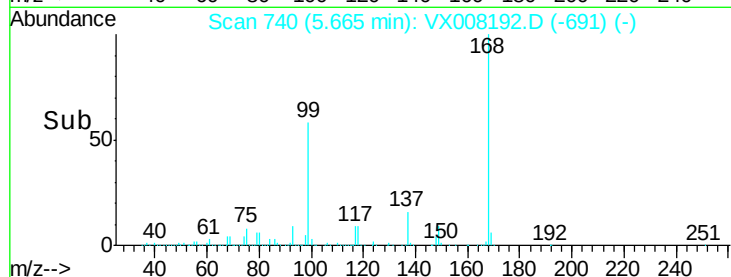
5.67

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 1.551 ug/l

RT: 3.04 min Scan# 310

Delta R.T. -0.01 min

Lab File: VX008192.D

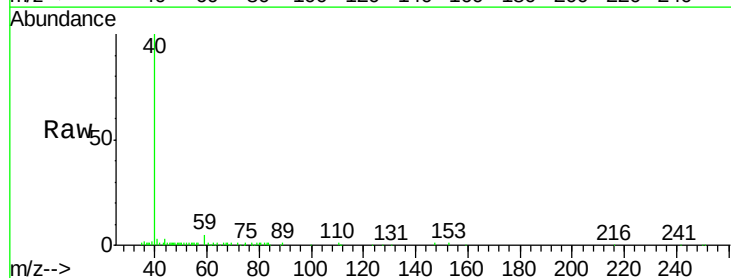
Acq: 19 Mar 2019 15:35

Tgt Ion: 59 Resp: 1743

Ion Ratio Lower Upper

59 100

57 28.7 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.04

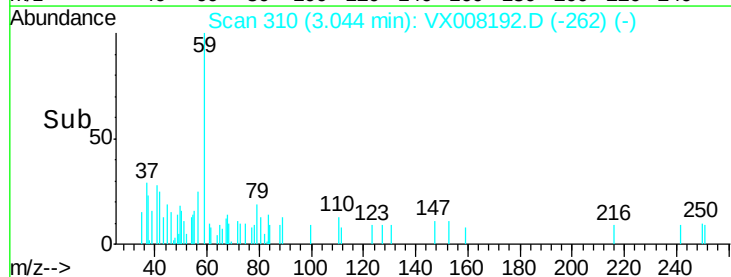
600

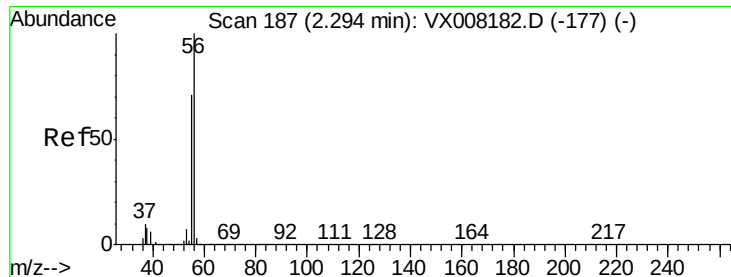
400

200

0

Time-->





#13

Acrolein

Concen: Below Cal

RT: 2.32 min Scan# 191

Delta R.T. 0.03 min

Lab File: VX008192.D

Acq: 19 Mar 2019 15:35

Instrument :

MSVOA_X

ClientSampled :

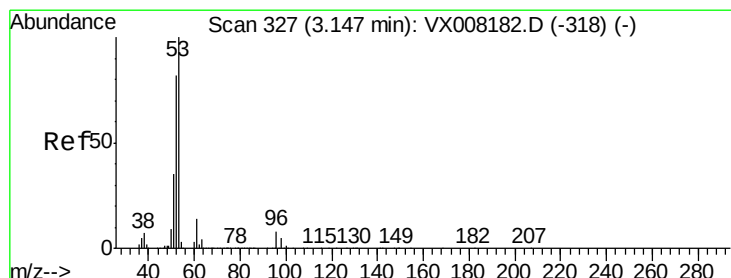
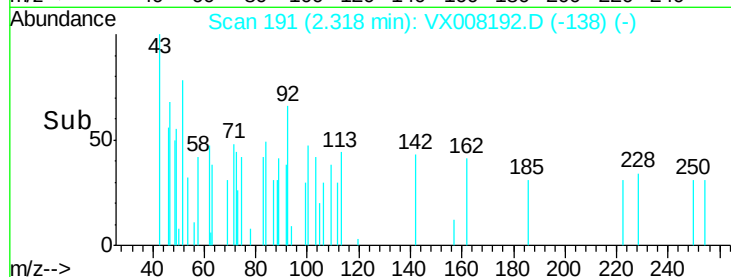
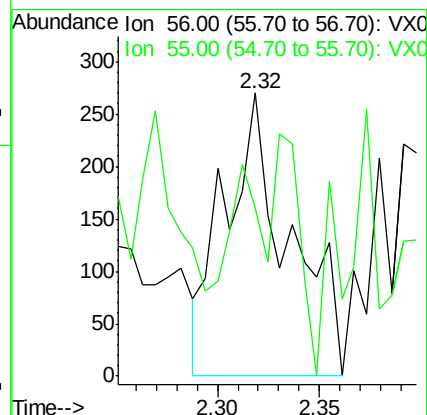
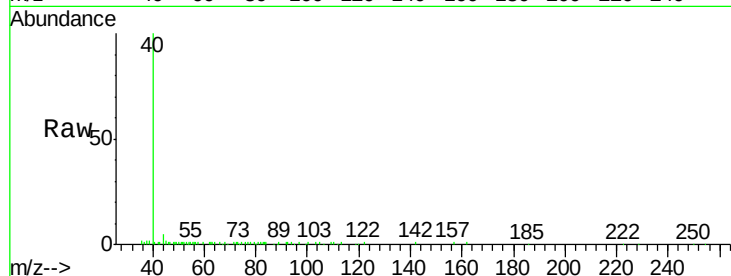
FB01-20190311

Tot Ion: 56 Resp: 588

Ion Ratio Lower Upper

56 100

55 18.4 57.8 86.6#



#15

Acrylonitrile

Concen: 0.236 ug/l

RT: 3.15 min Scan# 327

Delta R.T. 0.00 min

Lab File: VX008192.D

Acq: 19 Mar 2019 15:35

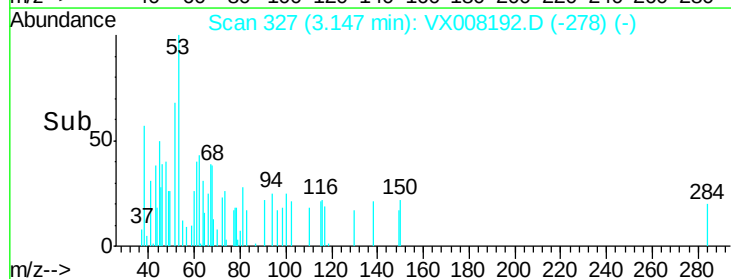
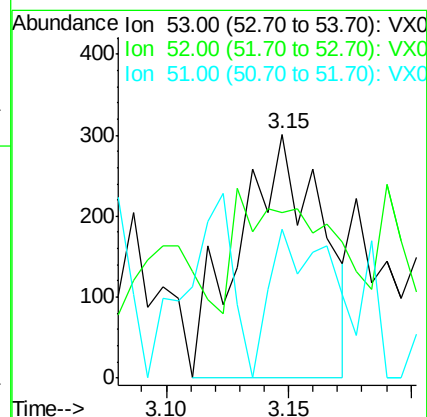
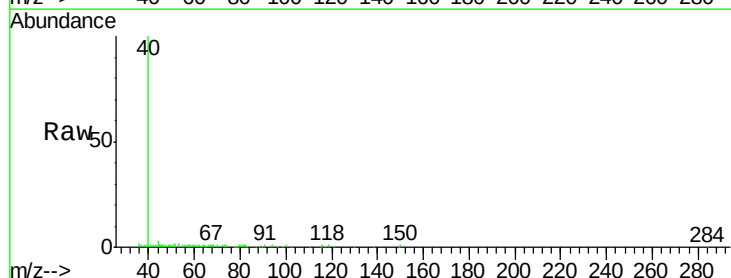
Tgt Ion: 53 Resp: 700

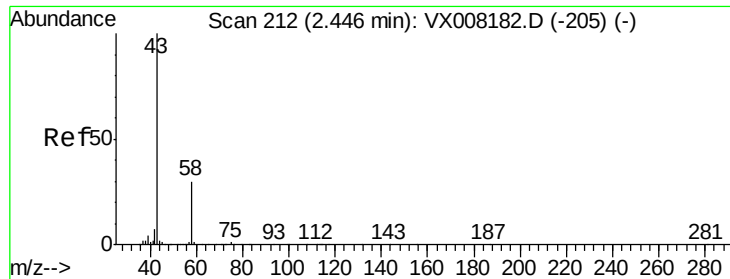
Ion Ratio Lower Upper

53 100

52 0.0 66.0 99.0#

51 55.7 28.0 42.0#





#16

Acetone

Concen: 5.206 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX008192.D

Acq: 19 Mar 2019 15:35

Instrument :

MSVOA_X

ClientSampleId :

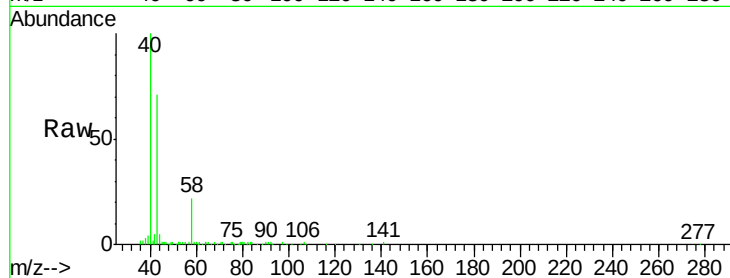
FB01-20190311

Tot Ion: 43 Resp: 15499

Ion Ratio Lower Upper

43 100

58 29.2 25.5 38.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.45

10000

8000

6000

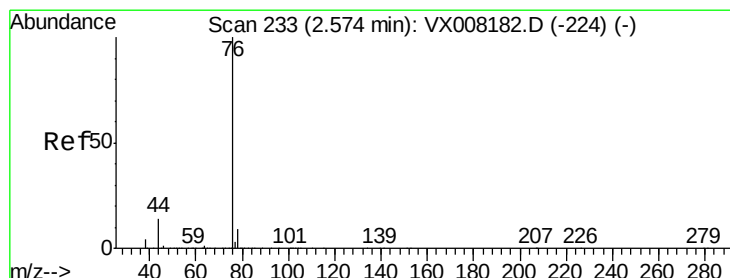
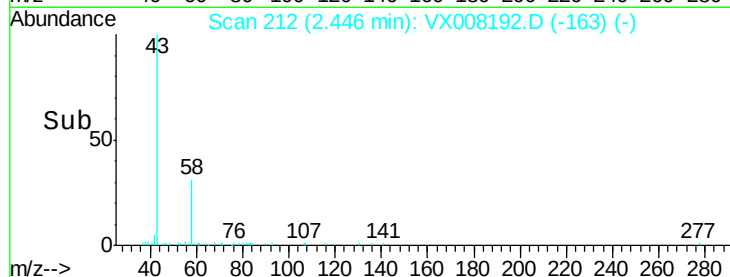
4000

2000

0

Time-->

2.40 2.45 2.50



#17

Carbon Disulfide

Concen: 0.848 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.00 min

Lab File: VX008192.D

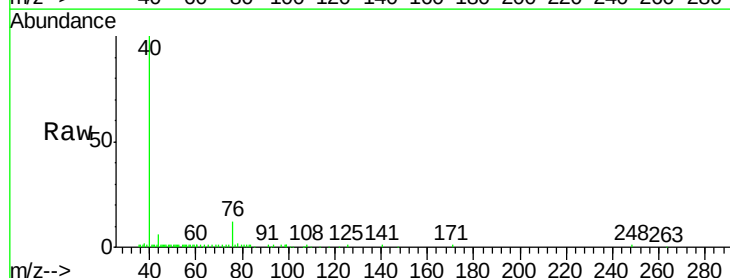
Acq: 19 Mar 2019 15:35

Tgt Ion: 76 Resp: 2415

Ion Ratio Lower Upper

76 100

78 14.0 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

1500

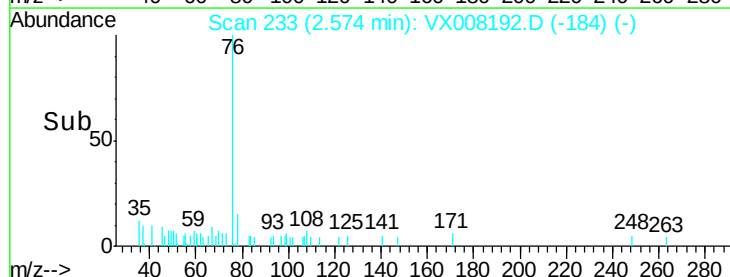
1000

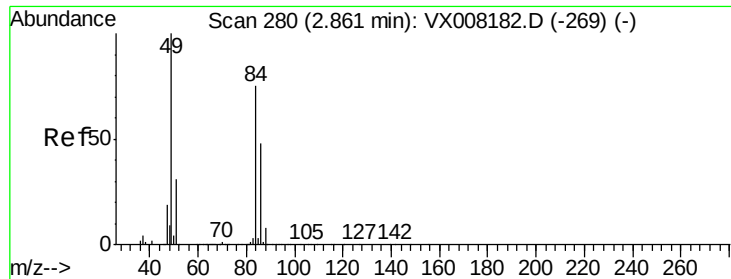
500

0

Time-->

2.55 2.60 2.65

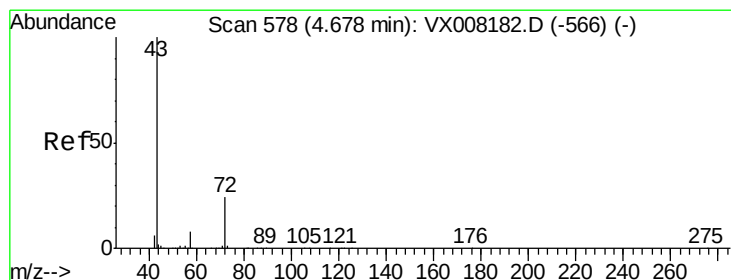
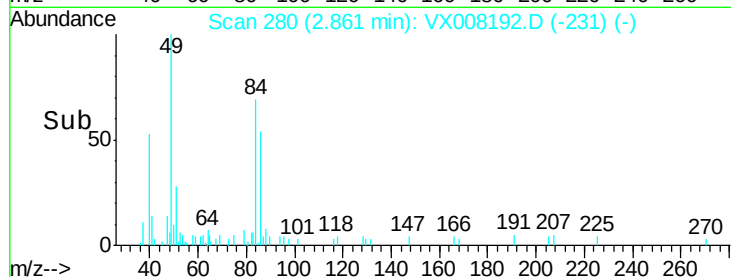
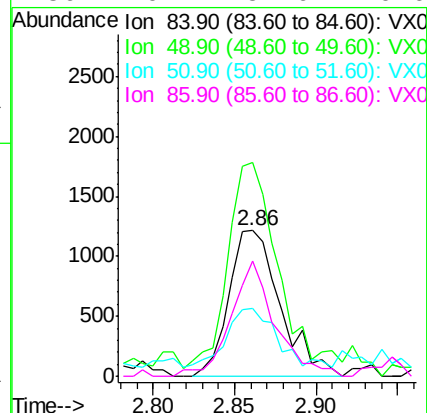
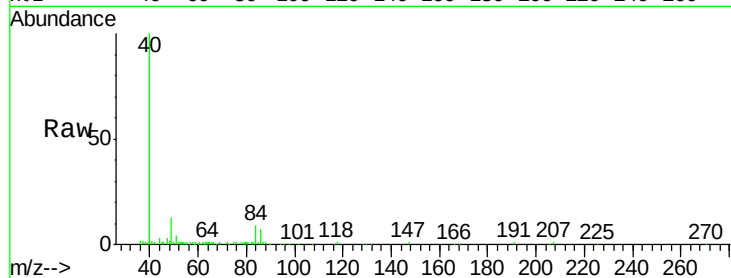




#20
Methylene Chloride
Concen: 0.539 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX008192.D
Acq: 19 Mar 2019 15:35

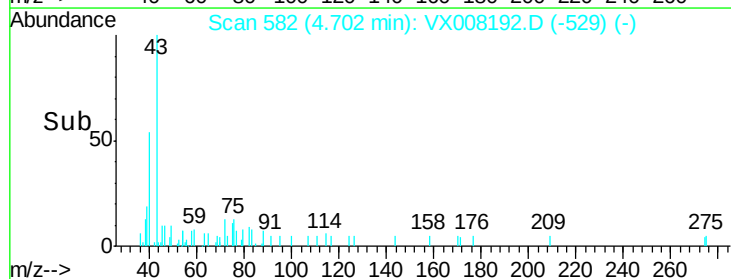
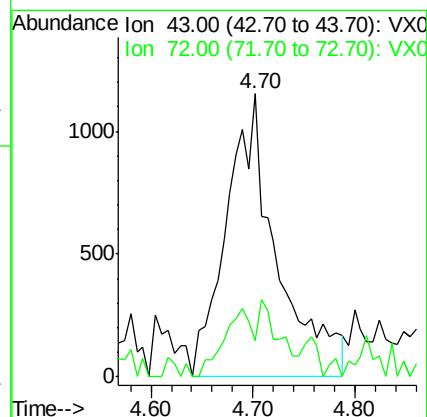
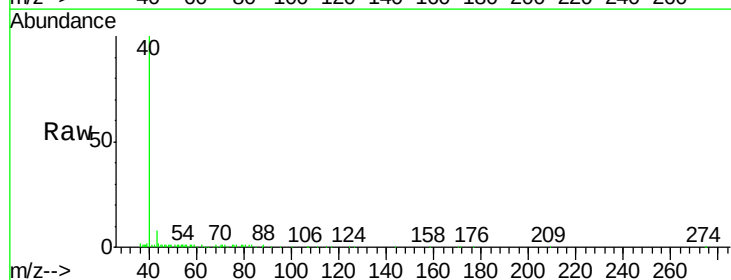
Instrument :
MSVOA_X
ClientSampled :
FB01-20190311

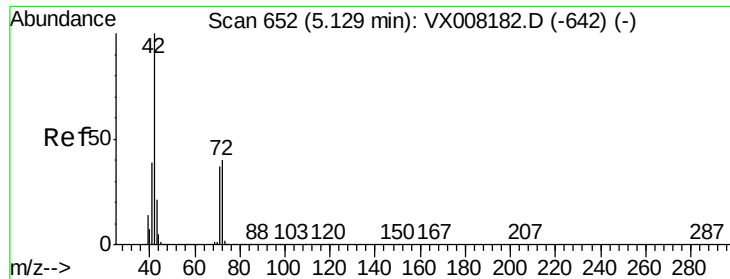
Tot Ion: 84 Resp: 2674
Ion Ratio Lower Upper
84 100
49 136.6 99.3 148.9
51 38.0 31.3 46.9
86 79.1 52.6 79.0#



#25
2-Butanone
Concen: 0.898 ug/l
RT: 4.70 min Scan# 582
Delta R.T. 0.02 min
Lab File: VX008192.D
Acq: 19 Mar 2019 15:35

Tgt Ion: 43 Resp: 3945
Ion Ratio Lower Upper
43 100
72 12.9 19.9 29.9#





#29

Tetrahydrofuran

Concen: 0.617 ug/l

RT: 5.15 min Scan# 656

Delta R.T. 0.02 min

Lab File: VX008192.D

Acq: 19 Mar 2019 15:35

Instrument :

MSVOA_X

ClientSampleId :

FB01-20190311

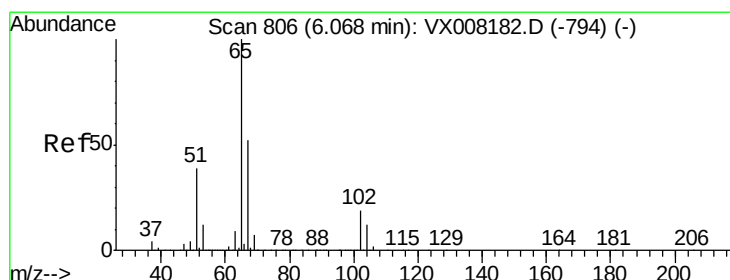
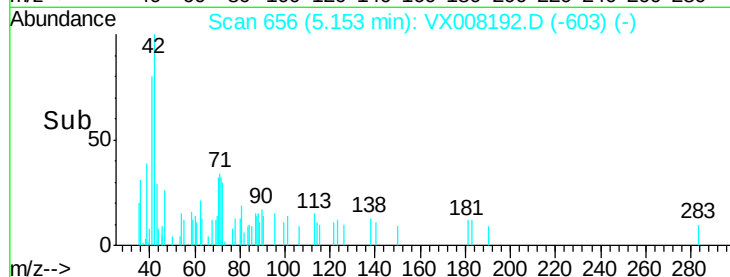
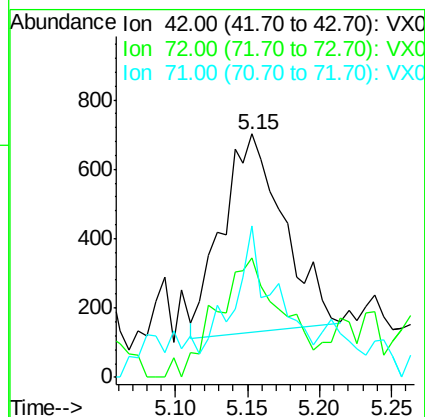
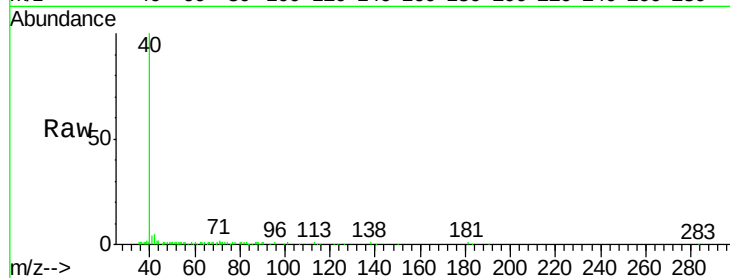
Tot Ion: 42 Resp: 1696

Ion Ratio Lower Upper

42 100

72 64.3 33.8 50.6#

71 48.8 31.5 47.3#



#33

1,2-Dichloroethane-d4

Concen: 46.329 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX008192.D

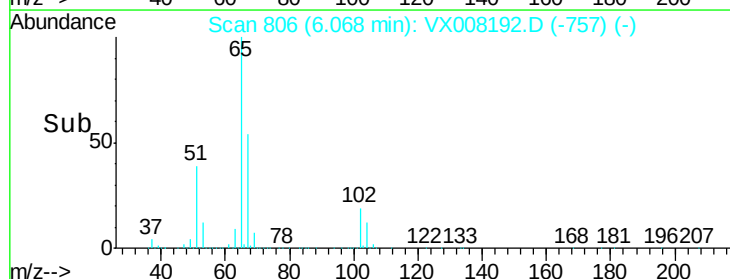
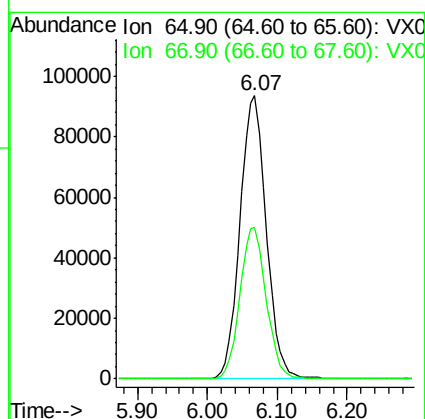
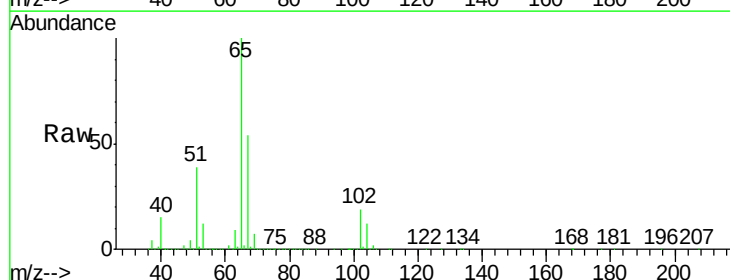
Acq: 19 Mar 2019 15:35

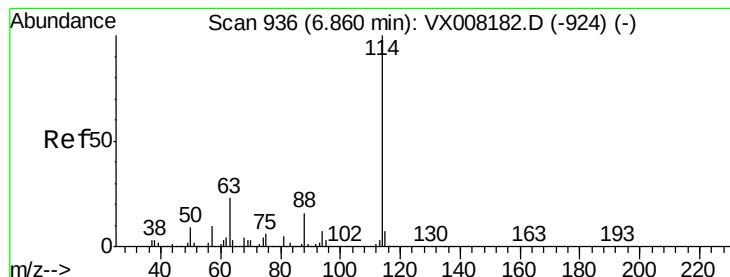
Tgt Ion: 65 Resp: 243196

Ion Ratio Lower Upper

65 100

67 53.7 0.0 110.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX008192.D

Acq: 19 Mar 2019 15:35

Instrument :

MSVOA_X

ClientSampleId :

FB01-20190311

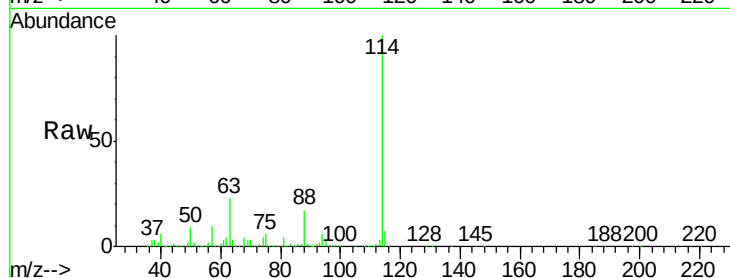
Tot Ion:114 Resp: 567580

Ion Ratio Lower Upper

114 100

63 23.1 0.0 39.8

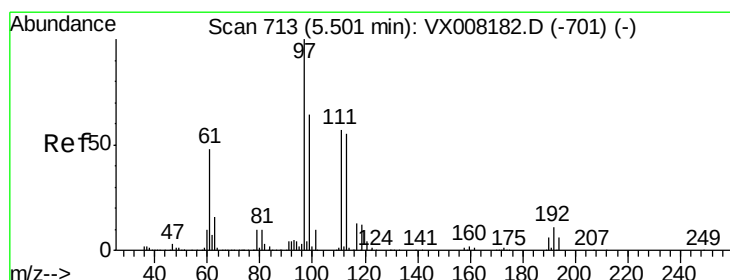
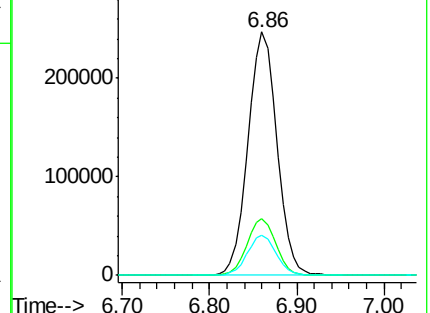
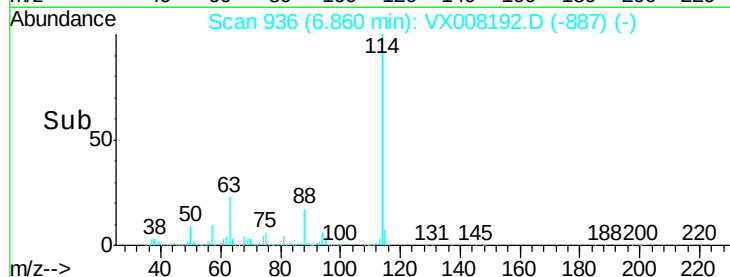
88 16.6 0.0 31.4



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: 46.747 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX008192.D

Acq: 19 Mar 2019 15:35

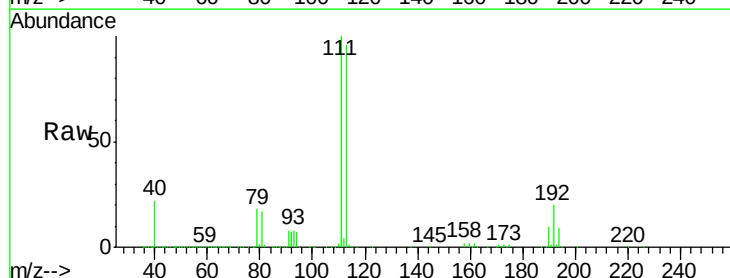
Tgt Ion:113 Resp: 177618

Ion Ratio Lower Upper

113 100

111 103.0 81.4 122.0

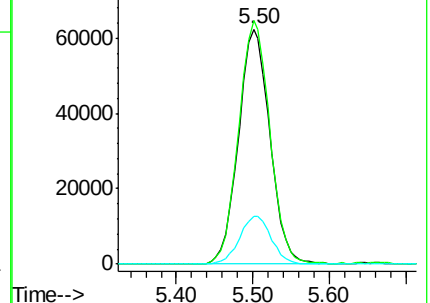
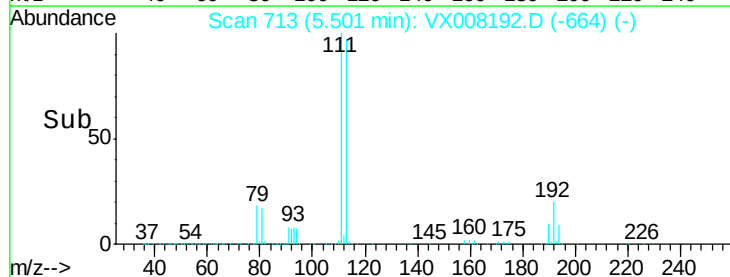
192 20.5 19.4 29.0

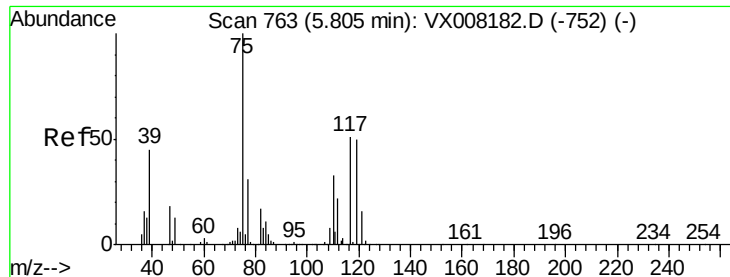


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

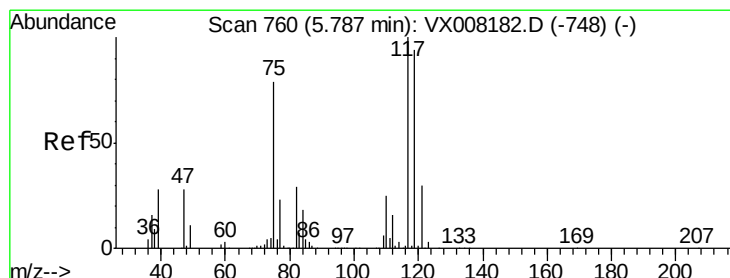
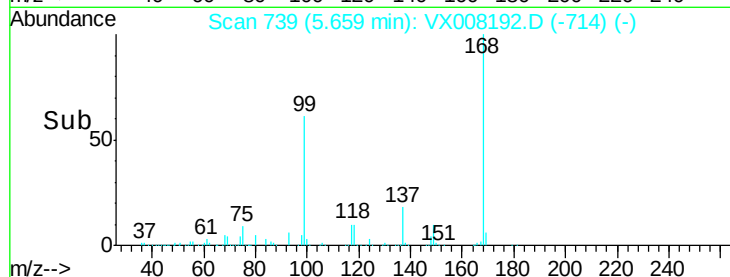
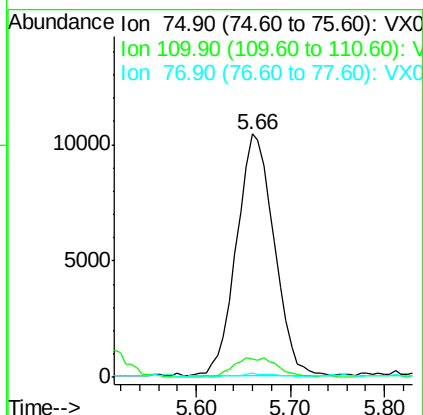
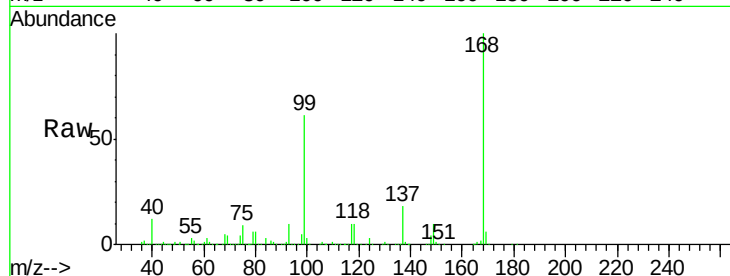




#36
 1,1-Dichloropropene
 Concen: 4.357 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.15 min
 Lab File: VX008192.D
 Acq: 19 Mar 2019 15:35

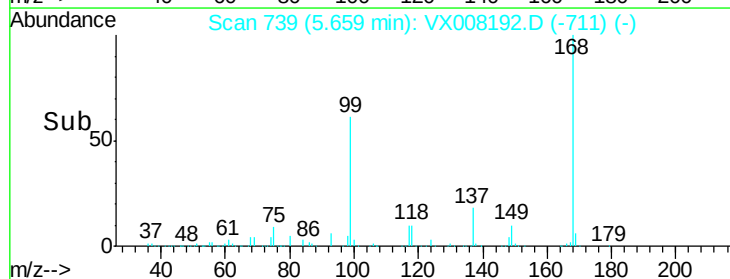
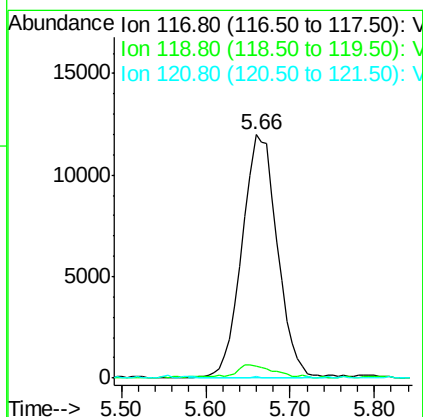
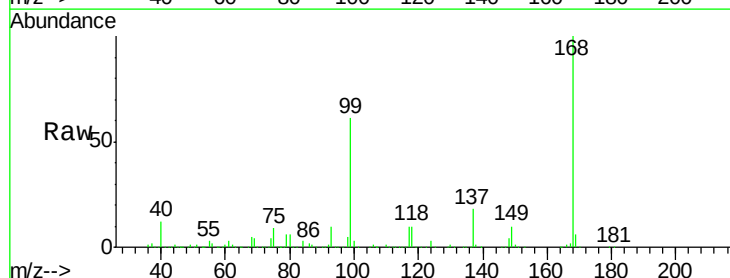
Instrument :
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 ClientSampleId :
 FB01-20190311

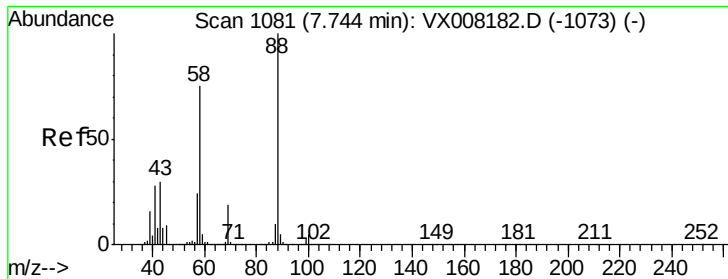
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.6	18.4	55.0#
77	1.7	25.0	37.4#



#38
 Carbon Tetrachloride
 Concen: 5.820 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.13 min
 Lab File: VX008192.D
 Acq: 19 Mar 2019 15:35

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.8	76.2	114.2#
121	0.9	24.6	36.8#





#49

1,4-Dioxane

Concen: 0.579 ug/l

RT: 7.75 min Scan# 1082

Delta R.T. 0.01 min

Lab File: VX008192.D

Acq: 19 Mar 2019 15:35

Instrument :

MSVOA_X

ClientSampleId :

FB01-20190311

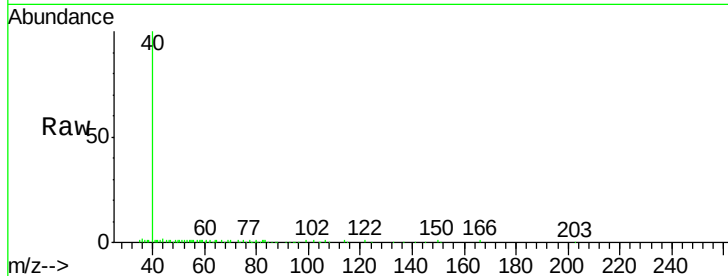
Tot Ion: 88 Resp: 68

Ion Ratio Lower Upper

88 100

43 0.0 25.1 37.7#

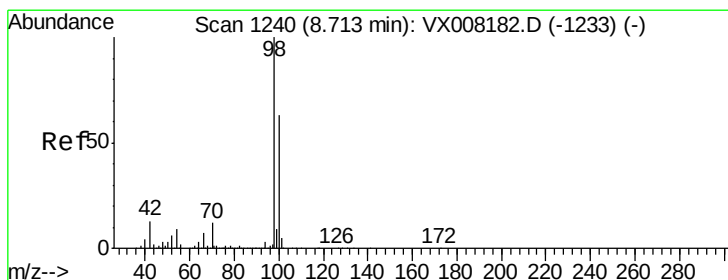
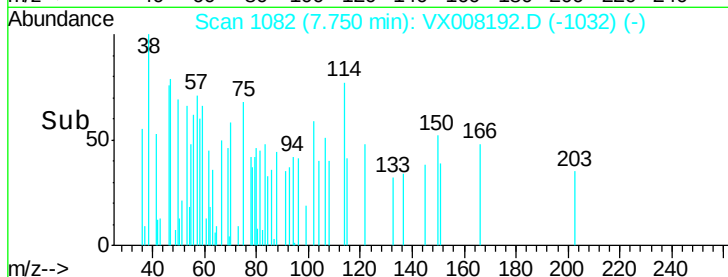
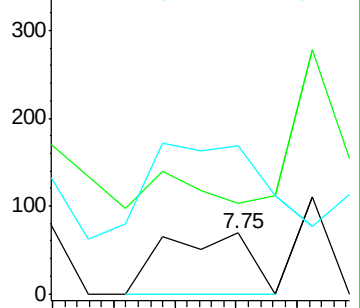
58 214.7 57.8 86.6#



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 48.002 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX008192.D

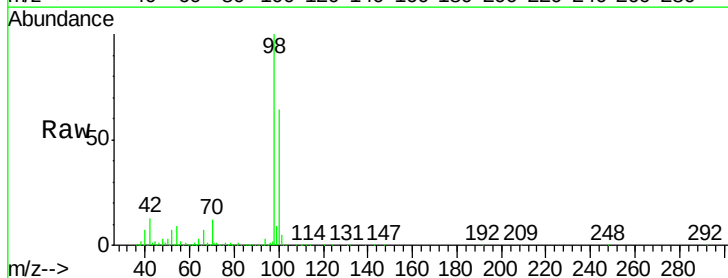
Acq: 19 Mar 2019 15:35

Tgt Ion: 98 Resp: 691489

Ion Ratio Lower Upper

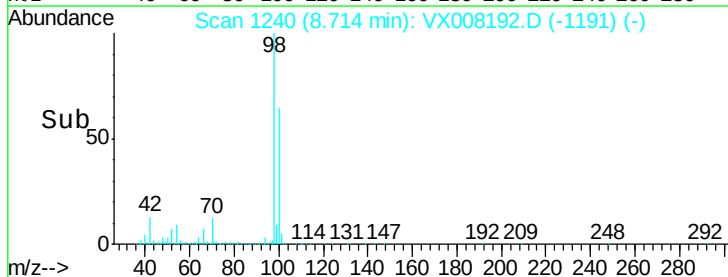
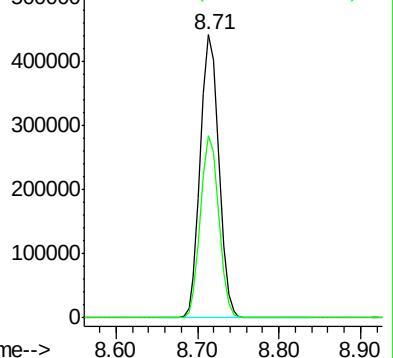
98 100

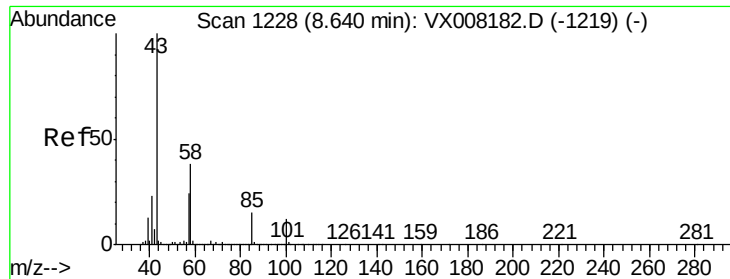
100 63.4 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

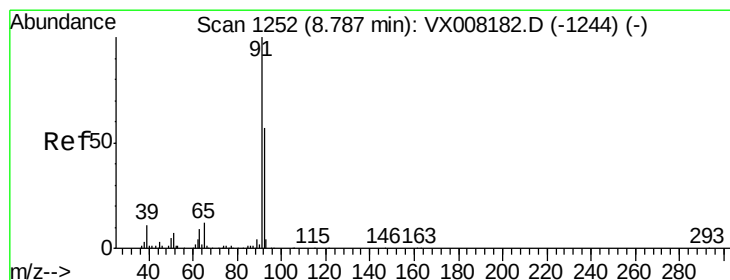
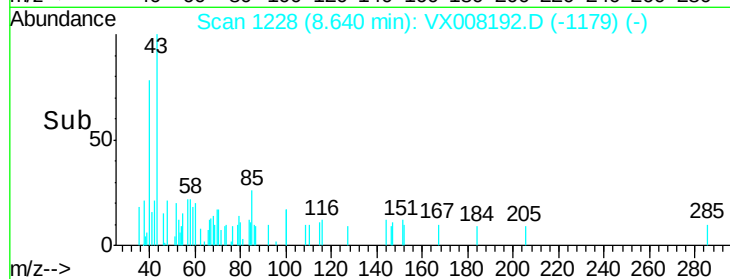
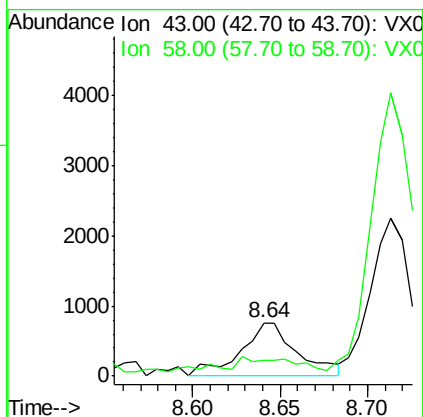
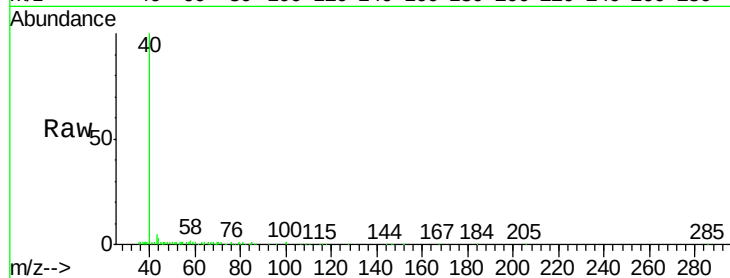




#51
4-Methyl-2-Pentanone
Concen: 0.211 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. 0.00 min
Lab File: VX008192.D
Acq: 19 Mar 2019 15:35

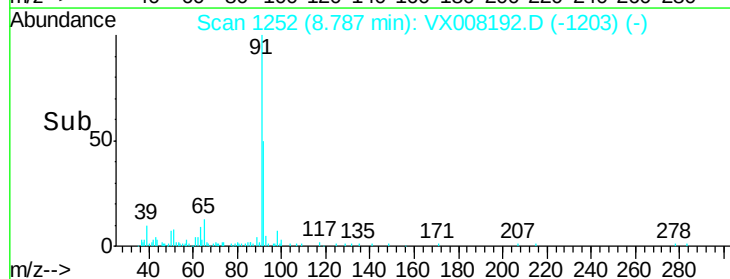
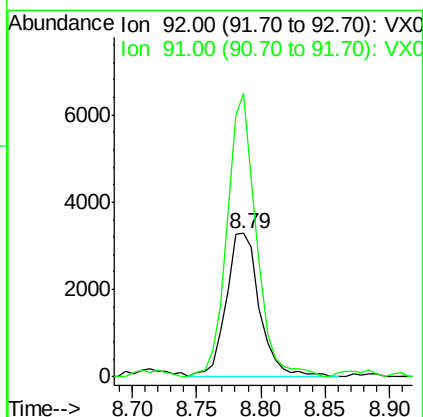
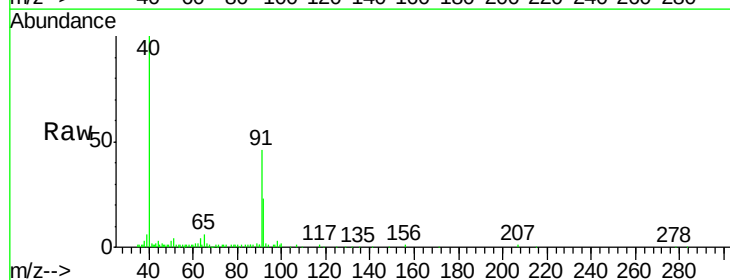
Instrument :
MSVOA_X
ClientSampleId :
FB01-20190311

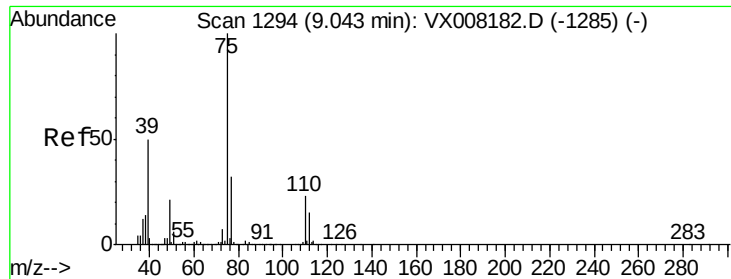
Tot Ion: 43 Resp: 1710
Ion Ratio Lower Upper
43 100
58 19.2 31.3 46.9#



#52
Toluene
Concen: 0.516 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. 0.00 min
Lab File: VX008192.D
Acq: 19 Mar 2019 15:35

Tgt Ion: 92 Resp: 5987
Ion Ratio Lower Upper
92 100
91 172.1 137.4 206.0





#53

t-1,3-Dichloropropene

Concen: 1.462 ug/l

RT: 9.04 min Scan# 1293

Delta R.T. -0.01 min

Lab File: VX008192.D

Acq: 19 Mar 2019 15:35

Instrument :

MSVOA_X

ClientSampleId :

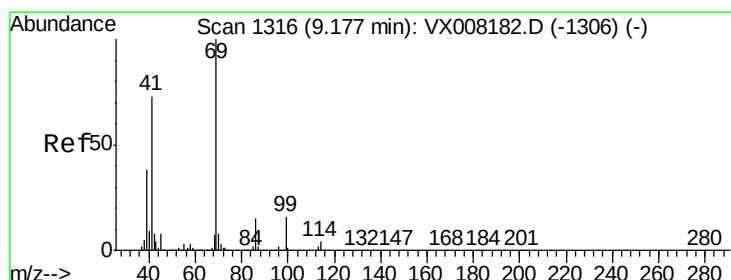
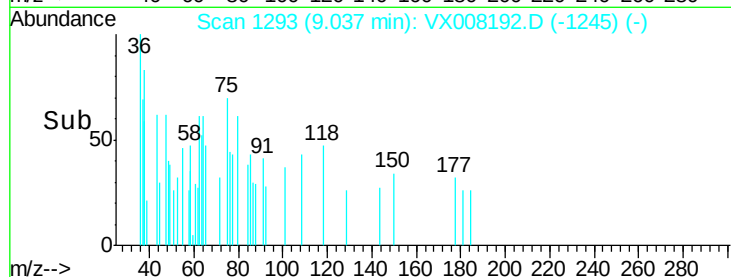
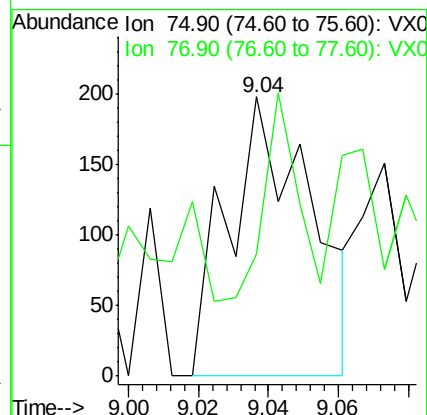
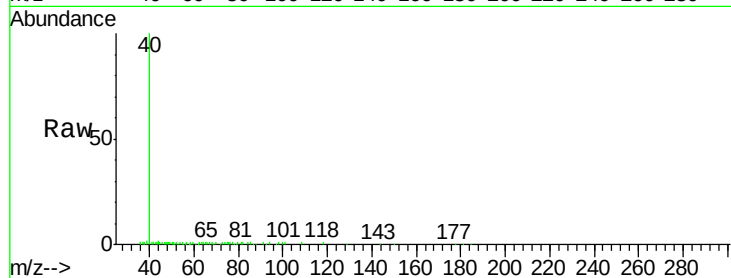
FB01-20190311

Tot Ion: 75 Resp: 326

Ion Ratio Lower Upper

75 100

77 0.0 25.4 38.0#



#56

Ethyl methacrylate

Concen: 0.543 ug/l

RT: 9.18 min Scan# 1317

Delta R.T. 0.01 min

Lab File: VX008192.D

Acq: 19 Mar 2019 15:35

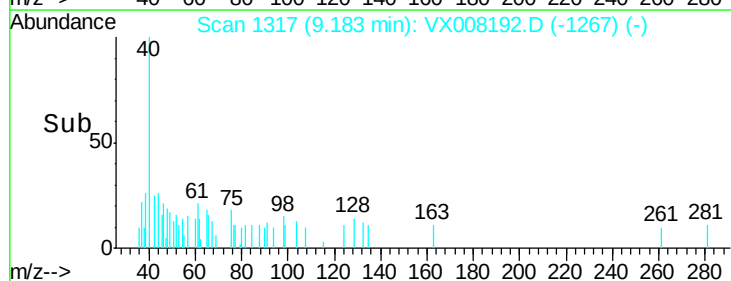
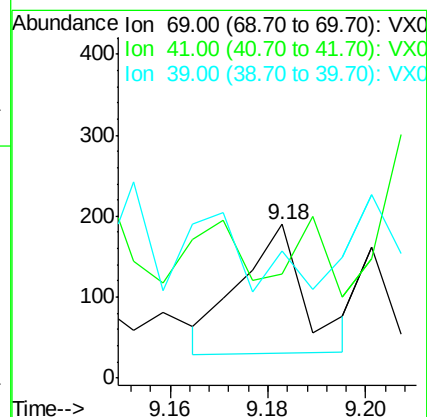
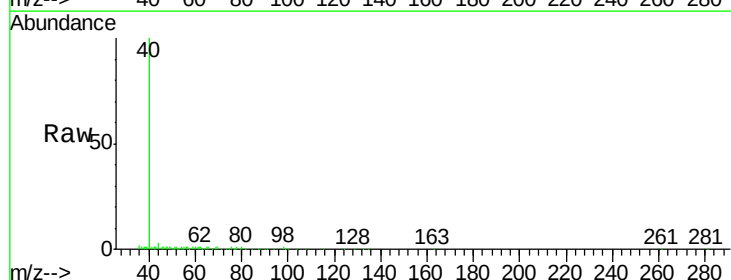
Tgt Ion: 69 Resp: 147

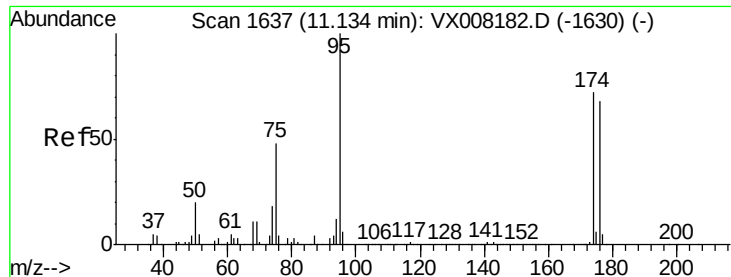
Ion Ratio Lower Upper

69 100

41 28.6 54.2 81.4#

39 0.0 25.0 37.4#





#62

4-Bromofluorobenzene

Concen: 45.189 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX008192.D

Acq: 19 Mar 2019 15:35

Instrument :

MSVOA_X

ClientSampleId :

FB01-20190311

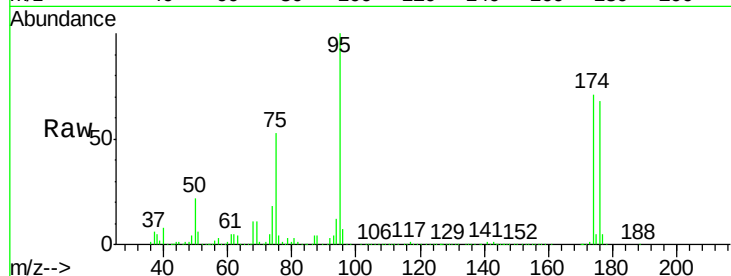
Tot Ion: 95 Resp: 224144

Ion Ratio Lower Upper

95 100

174 76.8 0.0 182.8

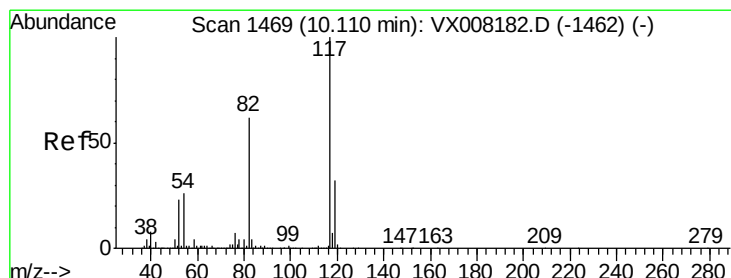
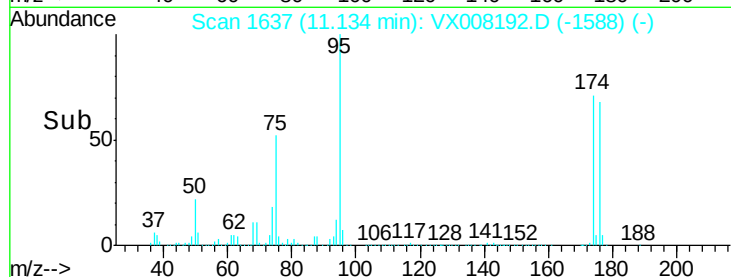
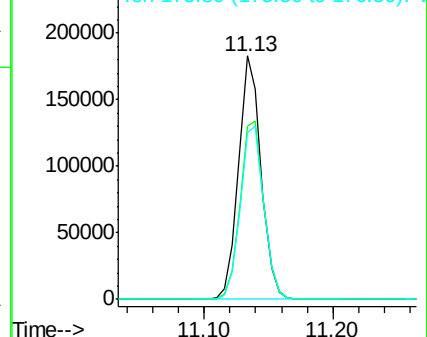
176 74.2 0.0 178.0



Abundance Ion 94.90 (94.60 to 95.60): VX008182.D (-1630) (-)

Ion 173.80 (173.50 to 174.50): VX008182.D (-1630) (-)

Ion 175.80 (175.50 to 176.50): VX008182.D (-1630) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX008192.D

Acq: 19 Mar 2019 15:35

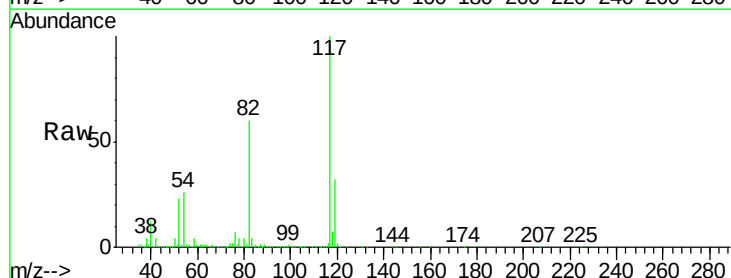
Tgt Ion: 117 Resp: 476117

Ion Ratio Lower Upper

117 100

82 60.4 44.3 66.5

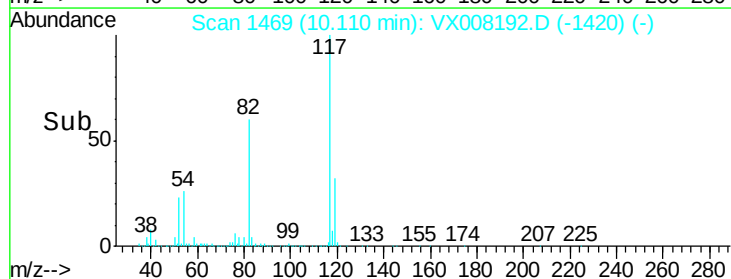
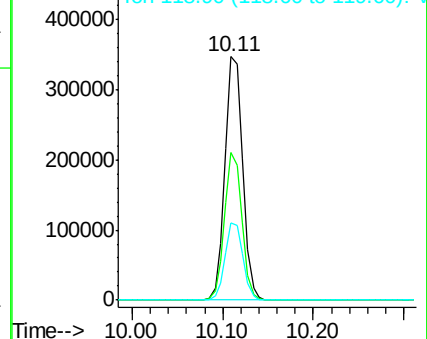
119 31.6 25.3 37.9

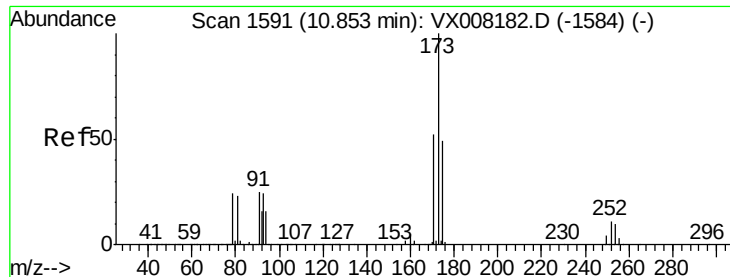


Abundance Ion 116.90 (116.60 to 117.60): VX008182.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX008182.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX008182.D (-1462) (-)





#71

Bromoform

Concen: 2.220 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX008192.D

Acq: 19 Mar 2019 15:35

Instrument :

MSVOA_X

ClientSampleId :

FB01-20190311

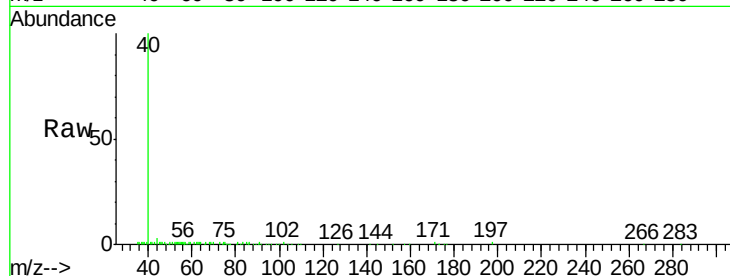
Tot Ion:173 Resp: 63

Ion Ratio Lower Upper

173 100

175 0.0 24.3 72.9#

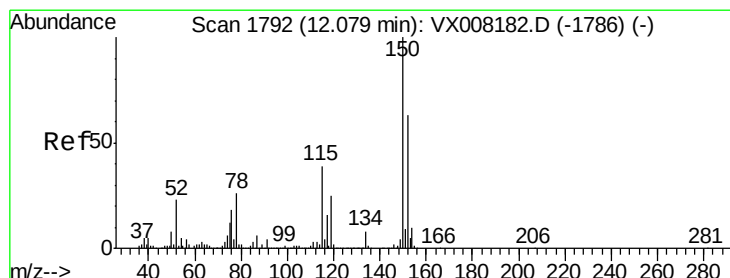
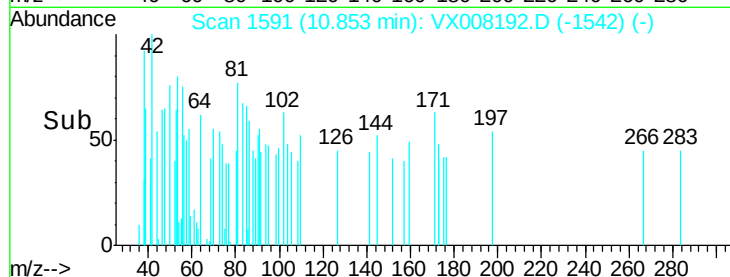
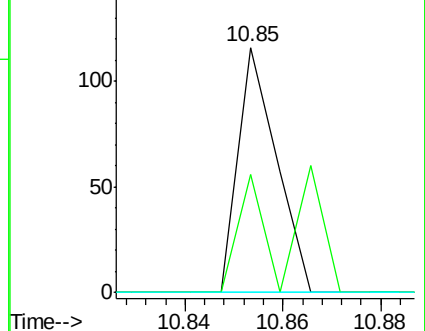
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): 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: VX008192.D

Acq: 19 Mar 2019 15:35

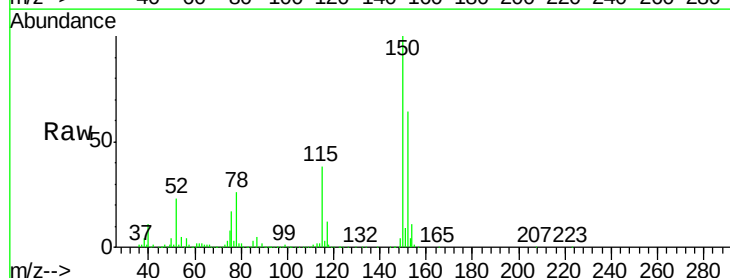
Tgt Ion:152 Resp: 192432

Ion Ratio Lower Upper

152 100

115 61.3 38.6 115.7

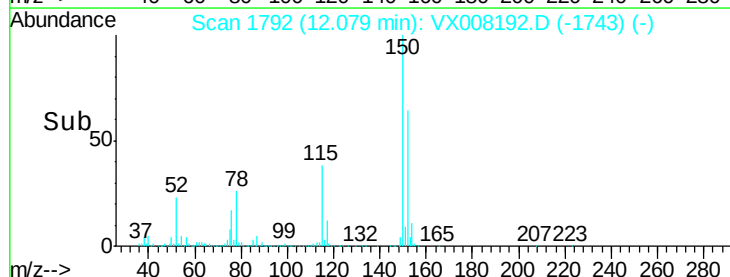
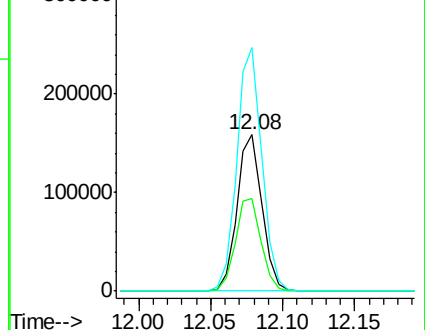
150 156.2 0.0 348.4

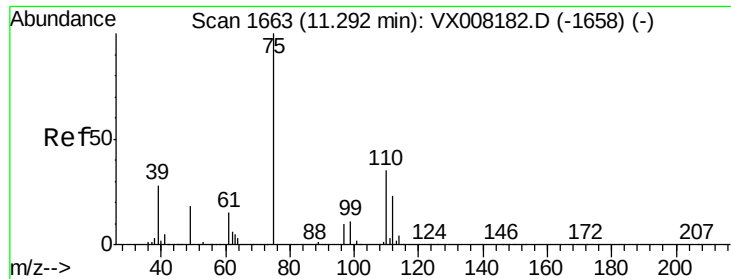


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

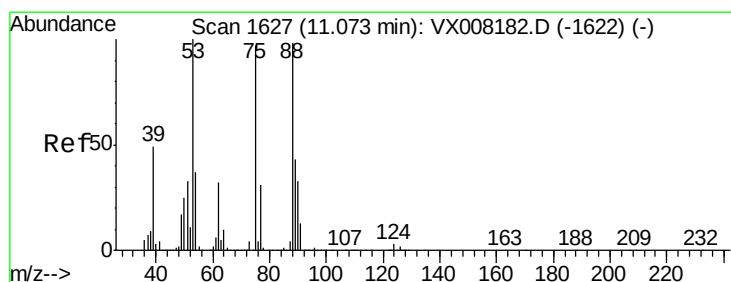
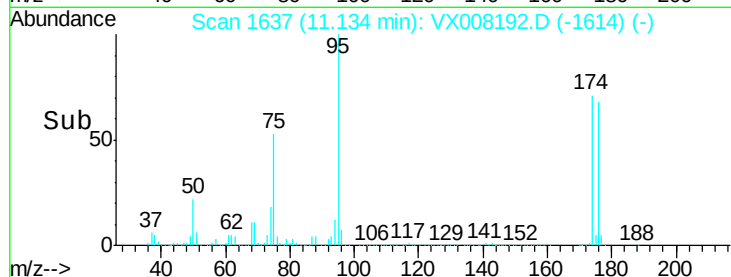
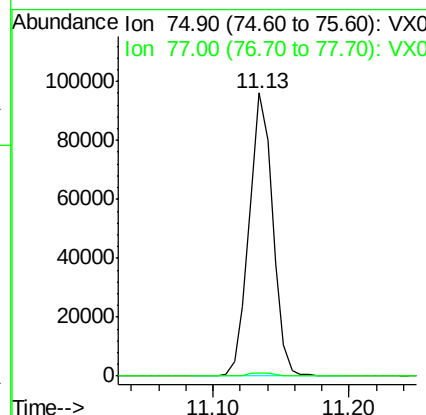
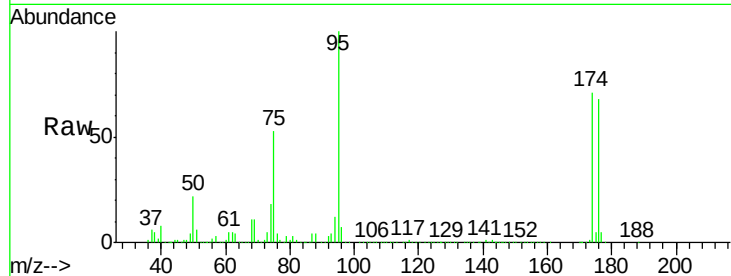




#76
 1,2,3-Trichloropropane
 Concen: 21.673 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX008192.D
 Acq: 19 Mar 2019 15:35

Instrument :
 MSVOA_X
 ClientSampleId :
 FB01-20190311

Tot Ion: 75 Resp: 117302
 Ion Ratio Lower Upper
 75 100
 77 1.5 18.9 56.7#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 55.100 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX008192.D
 Acq: 19 Mar 2019 15:35

Tgt Ion: 75 Resp: 117302
 Ion Ratio Lower Upper
 75 100
 53 0.3 76.1 114.1#
 89 0.0 36.3 54.5#

