

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX032019\
 Data File : VX008237.D
 Acq On : 20 Mar 2019 13:10
 Operator : JC/SP
 Sample : K1860-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FB01-20190311

Quant Time: Mar 22 05:30:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X031919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 19 13:15:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	336405	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	553499	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	460368	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	183710	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	237468	46.87	ug/l	0.00
Spiked Amount						
			Recovery	=	93.74%	
35) Dibromofluoromethane	5.50	113	173302	46.77	ug/l	0.00
Spiked Amount						
			Recovery	=	93.54%	
50) Toluene-d8	8.71	98	675542	48.09	ug/l	0.00
Spiked Amount						
			Recovery	=	96.18%	
62) 4-Bromofluorobenzene	11.13	95	211761	43.78	ug/l	0.00
Spiked Amount						
			Recovery	=	87.56%	

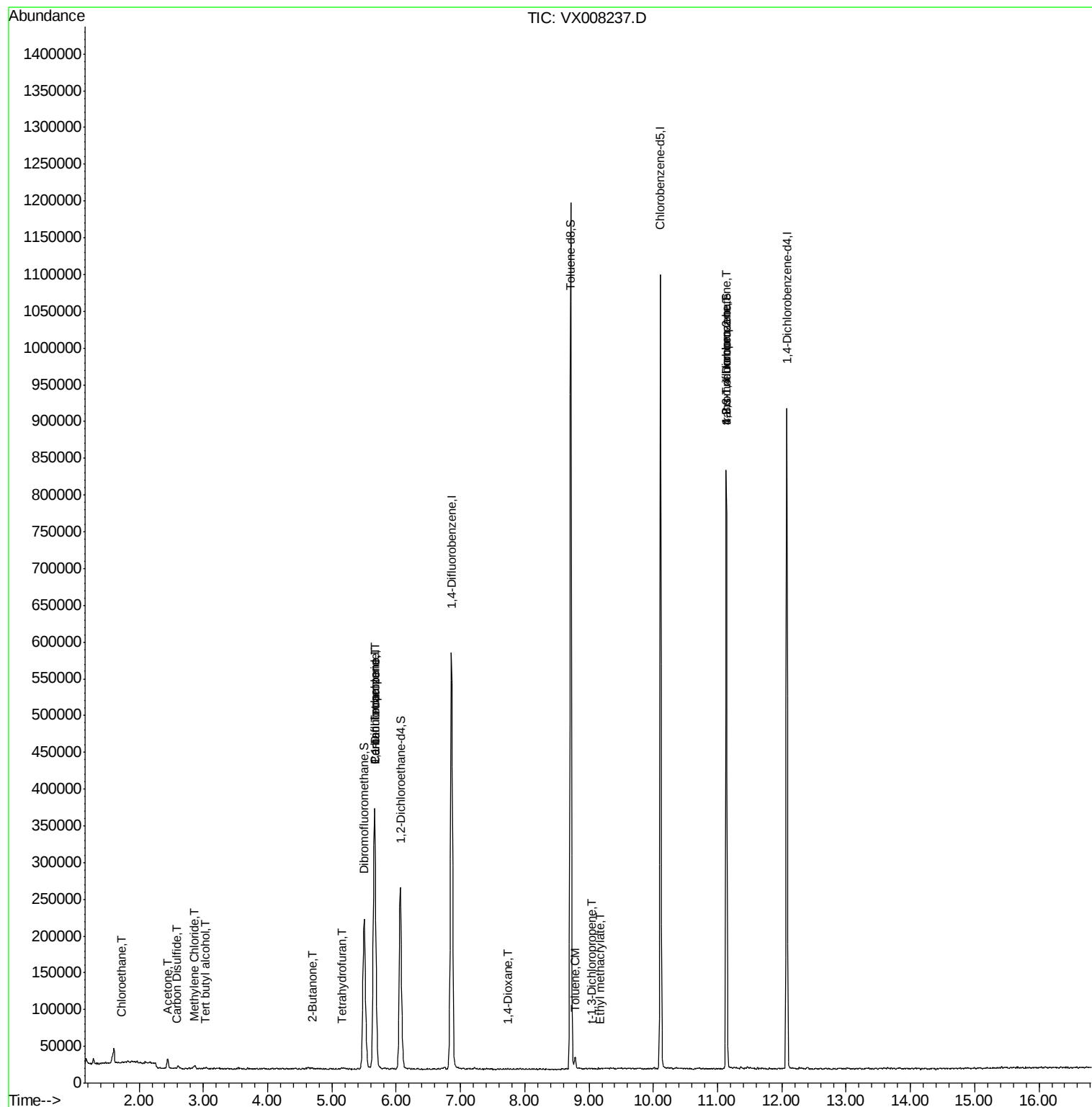
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.72	64	2322	0.726	ug/l #	43
11) Tert butyl alcohol	3.04	59	1571	1.448	ug/l #	77
13) Acrolein	2.31	56	96	Below Cal	#	1
16) Acetone	2.45	43	15158	5.275	ug/l	94
17) Carbon Disulfide	2.57	76	1420	0.780	ug/l	98
20) Methylene Chloride	2.86	84	2292	0.478	ug/l #	80
25) 2-Butanone	4.70	43	3243	0.765	ug/l #	85
29) Tetrahydrofuran	5.15	42	1402	0.529	ug/l #	64
36) 1,1-Dichloropropene	5.66	75	27508	4.269	ug/l #	50
38) Carbon Tetrachloride	5.67	117	34092	5.938	ug/l #	16
49) 1,4-Dioxane	7.74	88	55	0.480	ug/l #	1
52) Toluene	8.79	92	5867	0.518	ug/l	99
53) t-1,3-Dichloropropene	9.05	75	143	1.440	ug/l #	1
56) Ethyl methacrylate	9.17	69	154	0.545	ug/l #	31
76) 1,2,3-Trichloropropane	11.13	75	110877	21.458	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	110877	54.569	ug/l #	12

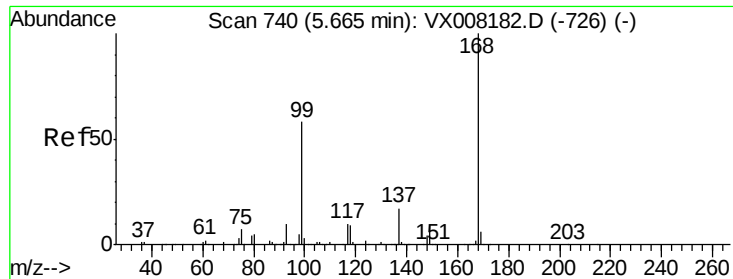
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Mar 19 13:15:13 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX008237.D

Acq: 20 Mar 2019 13:10

Instrument :

MSVOA_X

ClientSampleId :

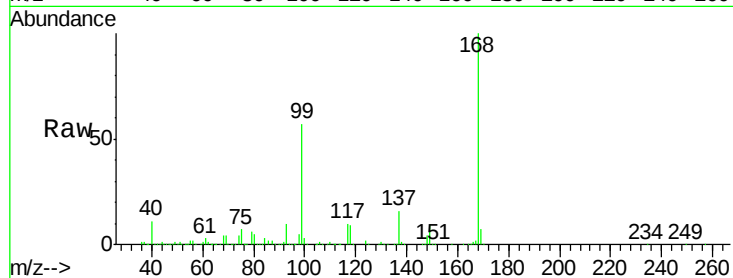
FB01-20190311

Tot Ion:168 Resp: 336405

Ion Ratio Lower Upper

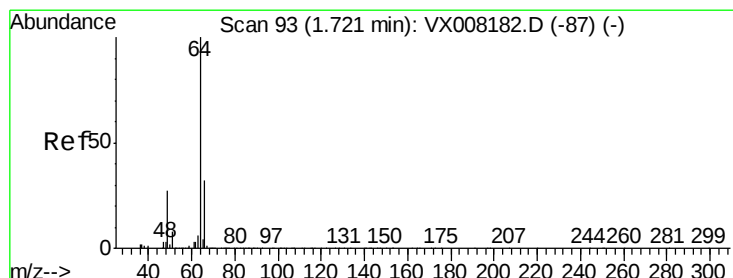
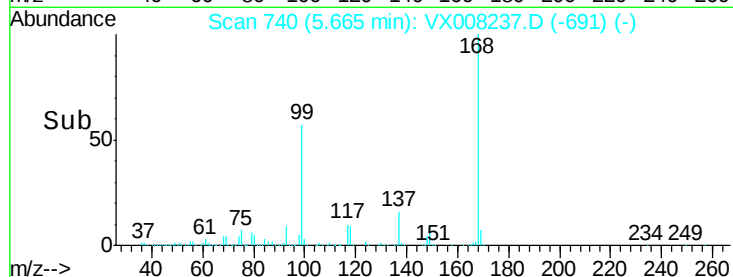
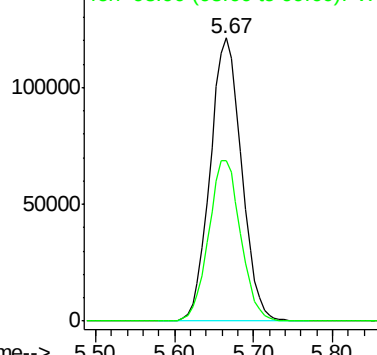
168 100

99 56.5 37.6 56.4#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#6

Chloroethane

Concen: 0.726 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.00 min

Lab File: VX008237.D

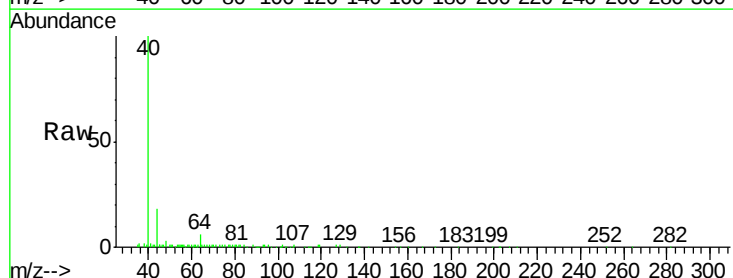
Acq: 20 Mar 2019 13:10

Tgt Ion: 64 Resp: 2322

Ion Ratio Lower Upper

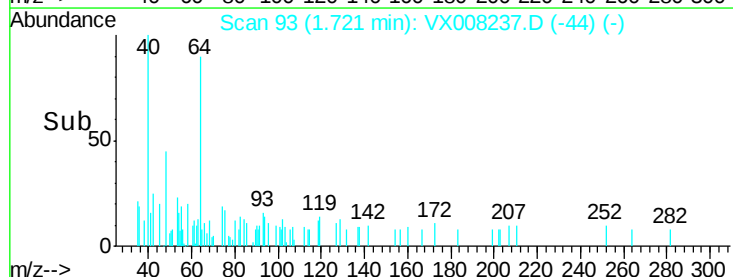
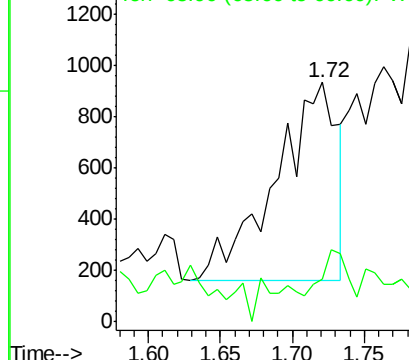
64 100

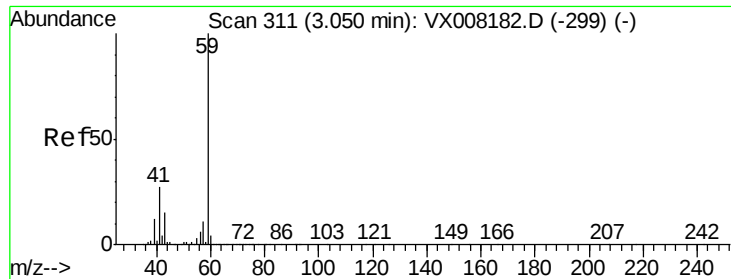
66 0.0 25.2 37.8#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

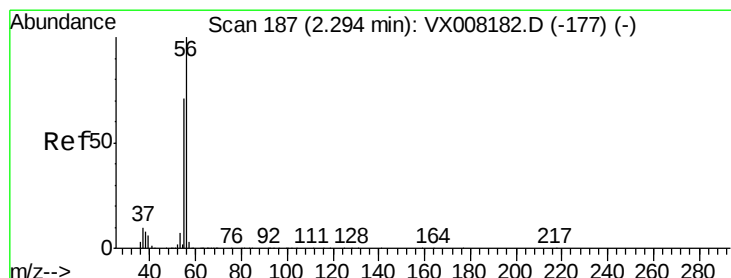
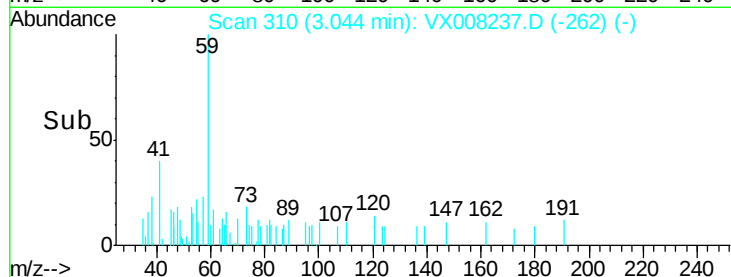
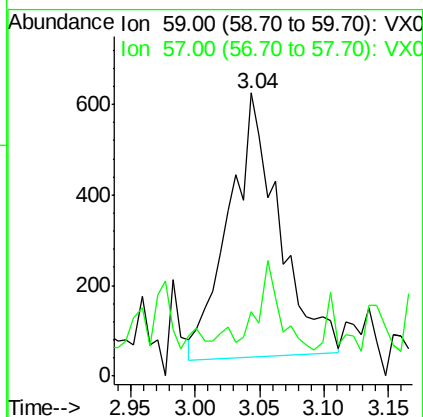
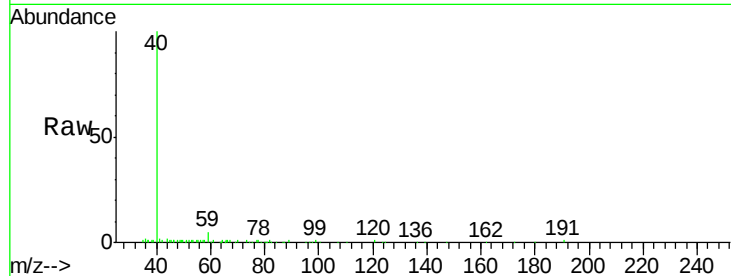




#11
Tert butyl alcohol
Concen: 1.448 ug/l
RT: 3.04 min Scan# 310
Delta R.T. -0.01 min
Lab File: VX008237.D
Acq: 20 Mar 2019 13:10

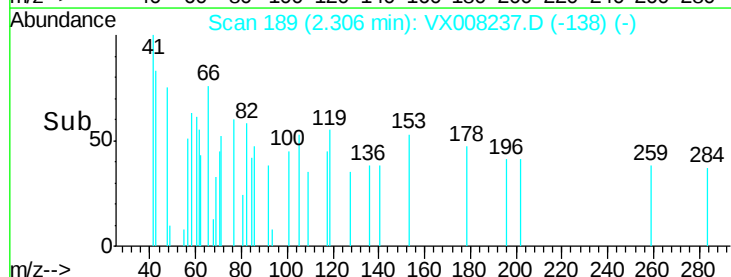
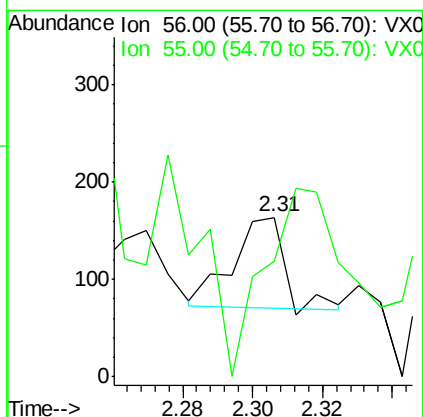
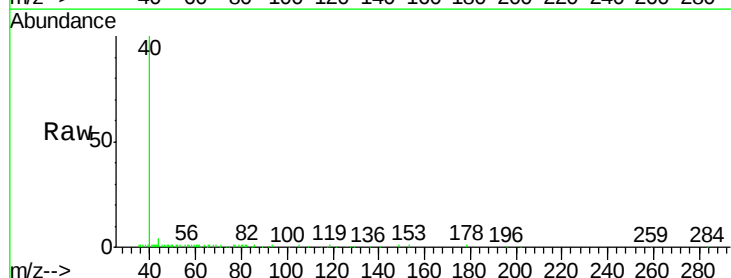
Instrument :
MSVOA_X
ClientSampleId :
FB01-20190311

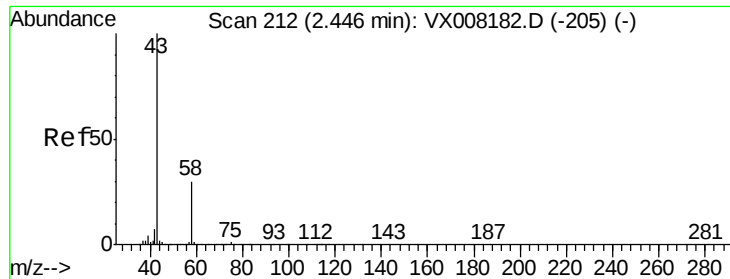
Tot Ion: 59 Resp: 1571
Ion Ratio Lower Upper
59 100
57 18.8 8.2 12.2#



#13
Acrolein
Concen: Below Cal
RT: 2.31 min Scan# 189
Delta R.T. 0.01 min
Lab File: VX008237.D
Acq: 20 Mar 2019 13:10

Tgt Ion: 56 Resp: 96
Ion Ratio Lower Upper
56 100
55 338.5 57.8 86.6#





#16

Acetone

Concen: 5.275 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX008237.D

Acq: 20 Mar 2019 13:10

Instrument :

MSVOA_X

ClientSampleId :

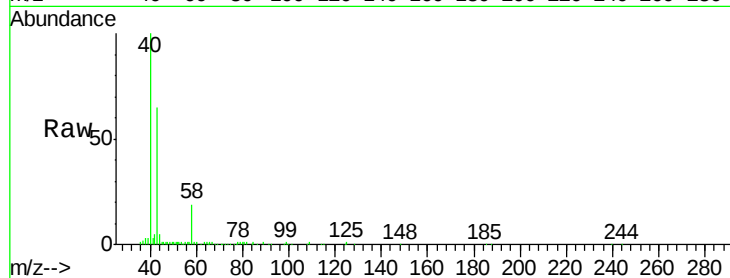
FB01-20190311

Tot Ion: 43 Resp: 15158

Ion Ratio Lower Upper

43 100

58 28.6 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

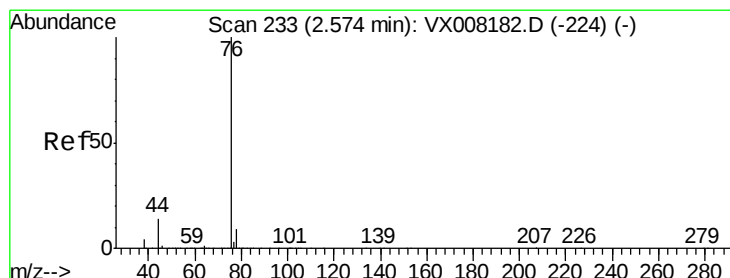
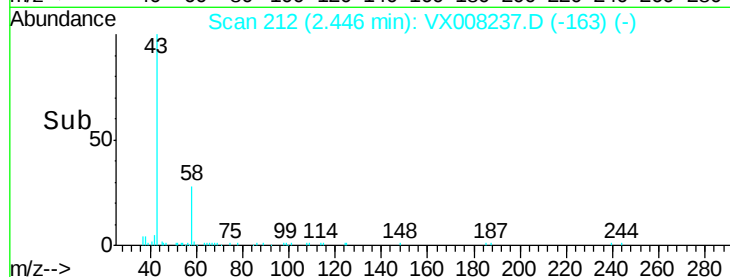
4000

2000

0

Time-->

2.35 2.40 2.45 2.50



#17

Carbon Disulfide

Concen: 0.780 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.00 min

Lab File: VX008237.D

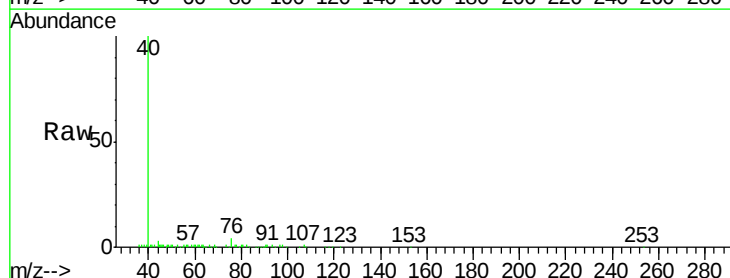
Acq: 20 Mar 2019 13:10

Tgt Ion: 76 Resp: 1420

Ion Ratio Lower Upper

76 100

78 9.8 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

600

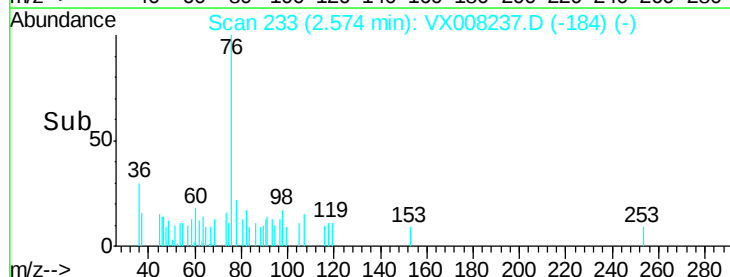
400

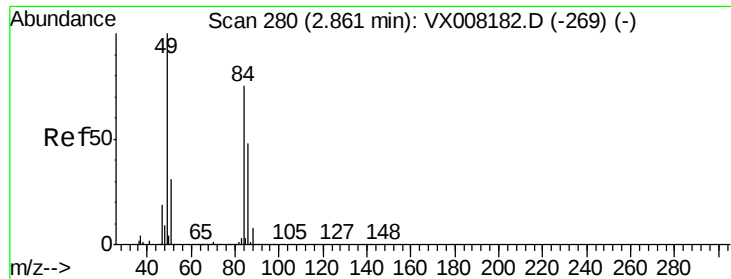
200

0

Time-->

2.50 2.55 2.60 2.65

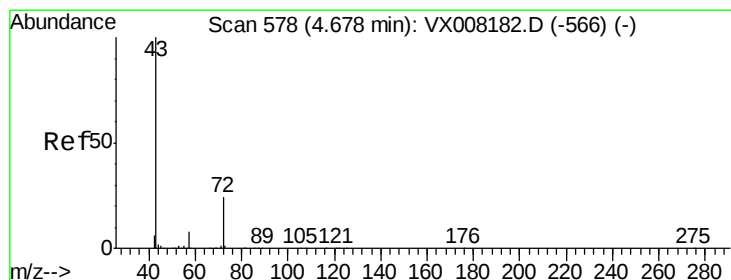
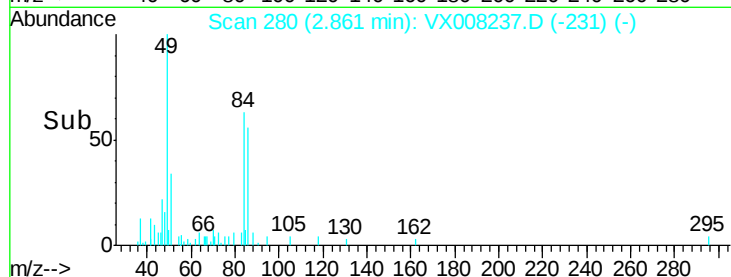
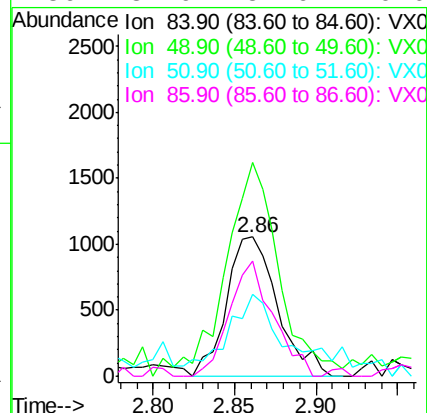
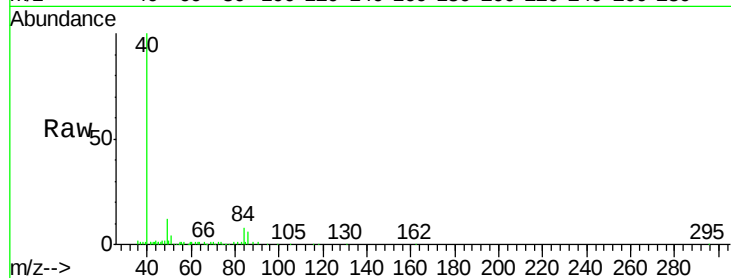




#20
Methvlene Chloride
Concen: 0.478 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX008237.D
Acq: 20 Mar 2019 13:10

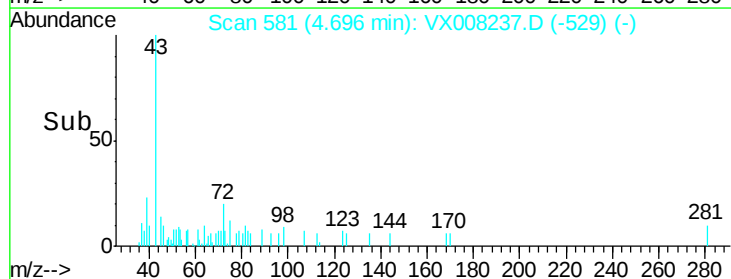
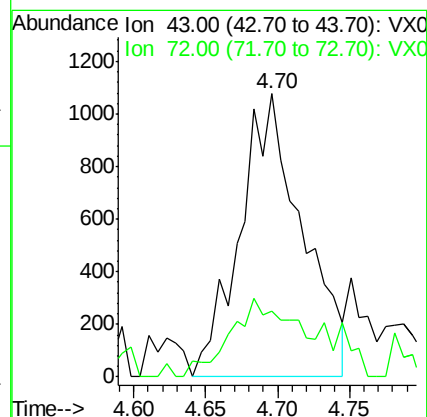
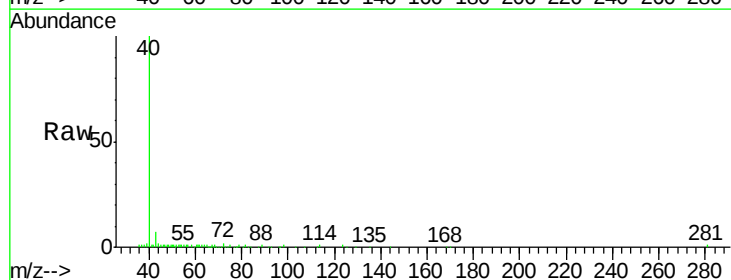
Instrument :
MSVOA_X
ClientSampleId :
FB01-20190311

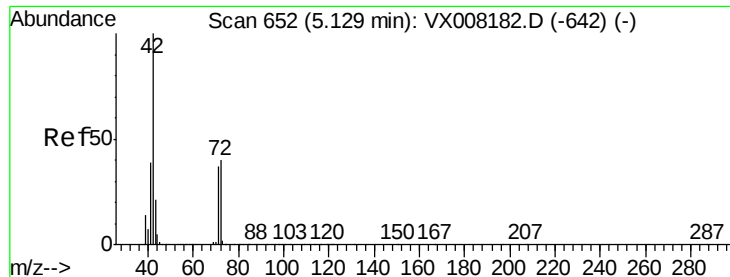
Tot Ion: 84 Resp: 2292
Ion Ratio Lower Upper
84 100
49 148.2 99.3 148.9
51 47.1 31.3 46.9#
86 82.9 52.6 79.0#



#25
2-Butanone
Concen: 0.765 ug/l
RT: 4.70 min Scan# 581
Delta R.T. 0.02 min
Lab File: VX008237.D
Acq: 20 Mar 2019 13:10

Tgt Ion: 43 Resp: 3243
Ion Ratio Lower Upper
43 100
72 17.5 19.9 29.9#





#29

Tetrahydrofuran

Concen: 0.529 ug/l

RT: 5.15 min Scan# 655

Delta R.T. 0.02 min

Lab File: VX008237.D

Acq: 20 Mar 2019 13:10

Instrument :

MSVOA_X

ClientSampleId :

FB01-20190311

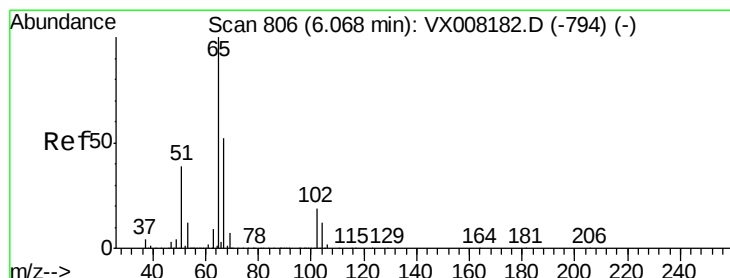
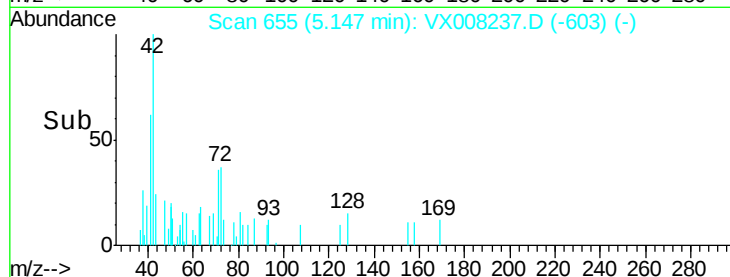
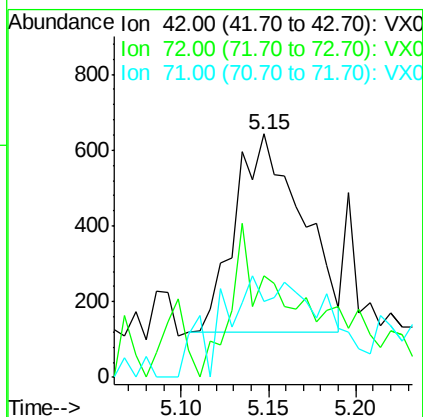
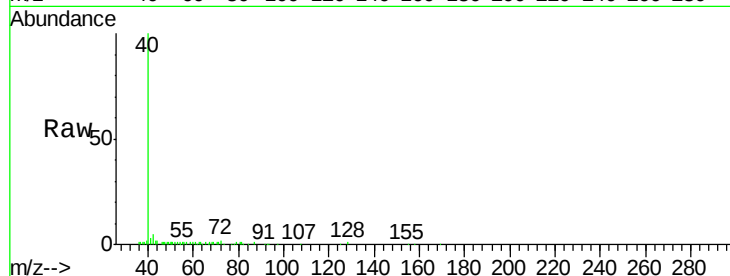
Tot Ion: 42 Resp: 1402

Ion Ratio Lower Upper

42 100

72 80.0 33.8 50.6#

71 32.6 31.5 47.3



#33

1,2-Dichloroethane-d4

Concen: 46.870 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.01 min

Lab File: VX008237.D

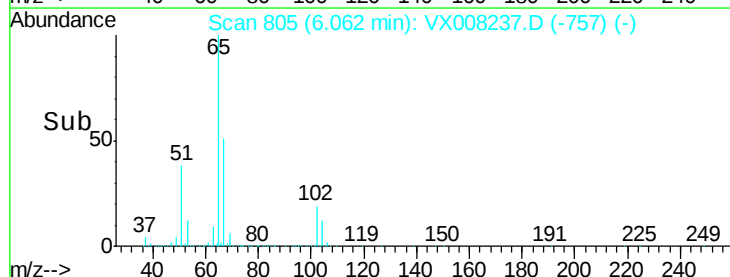
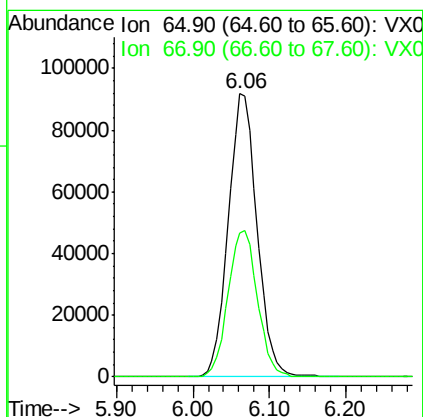
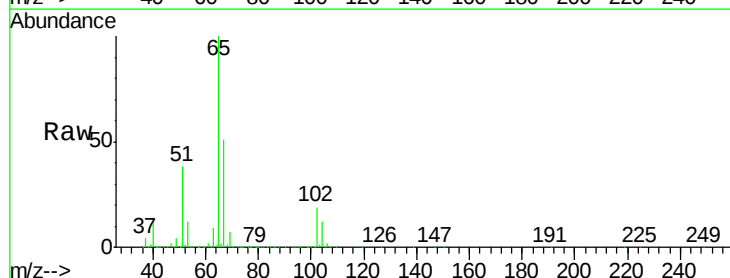
Acq: 20 Mar 2019 13:10

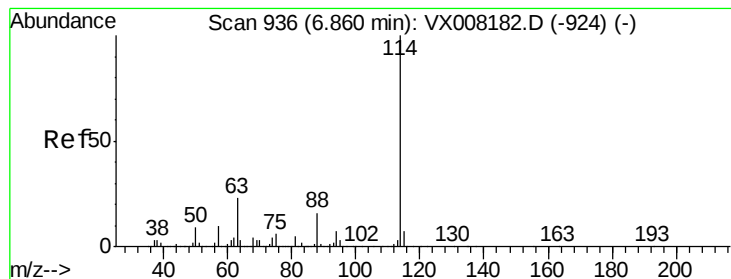
Tgt Ion: 65 Resp: 237468

Ion Ratio Lower Upper

65 100

67 53.1 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: VX008237.D

Acq: 20 Mar 2019 13:10

Instrument :

MSVOA_X

ClientSampleId :

FB01-20190311

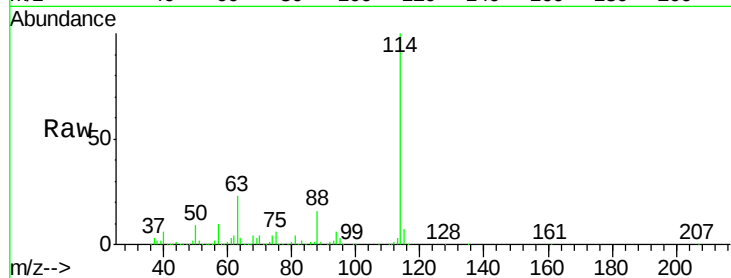
Tot Ion:114 Resp: 553499

Ion Ratio Lower Upper

114 100

63 22.7 0.0 39.8

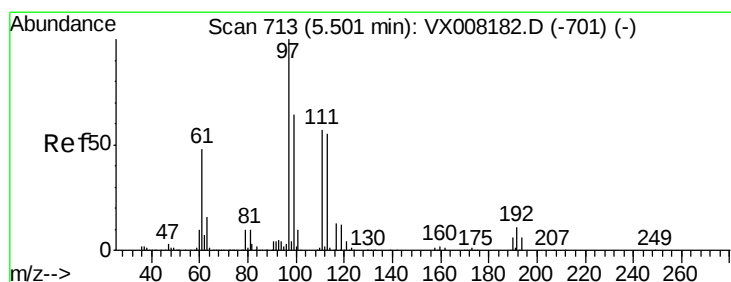
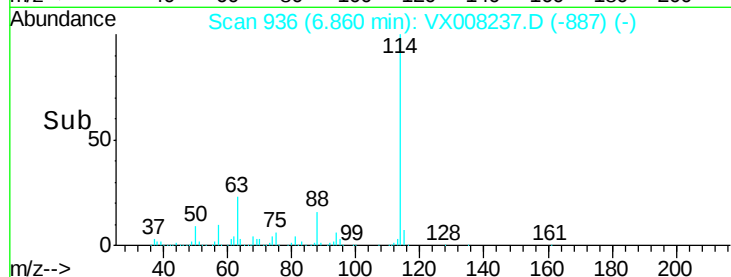
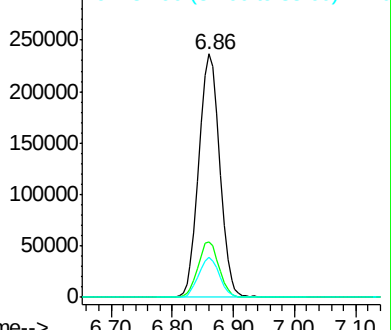
88 16.3 0.0 31.4



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: 46.771 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX008237.D

Acq: 20 Mar 2019 13:10

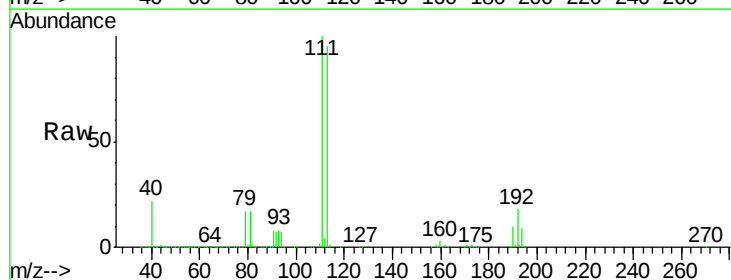
Tgt Ion:113 Resp: 173302

Ion Ratio Lower Upper

113 100

111 103.6 81.4 122.0

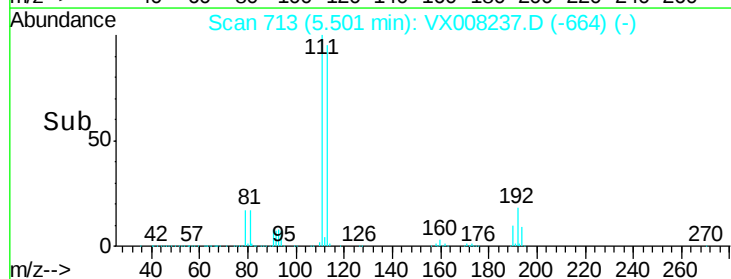
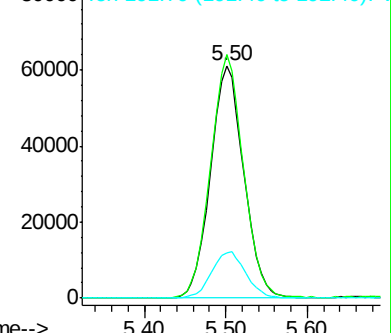
192 20.5 19.4 29.0

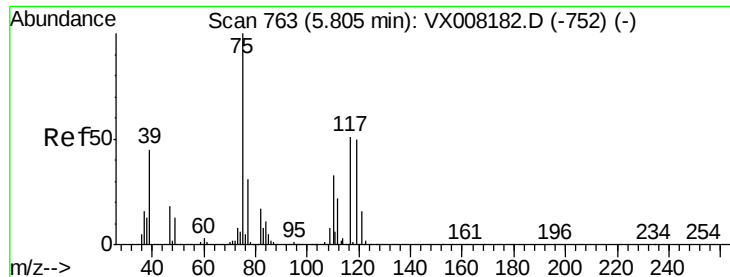


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.269 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.15 min

Lab File: VX008237.D

Acq: 20 Mar 2019 13:10

Instrument :

MSVOA_X

ClientSampleId :

FB01-20190311

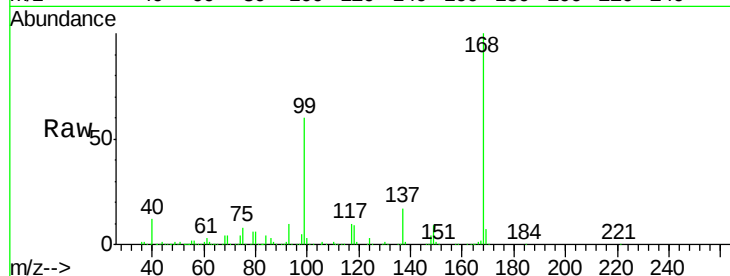
Tot Ion: 75 Resp: 27508

Ion Ratio Lower Upper

75 100

110 9.5 18.4 55.0#

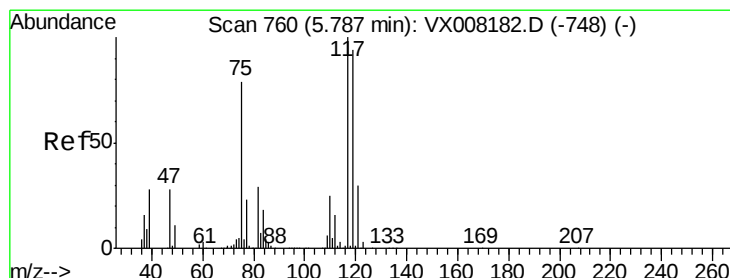
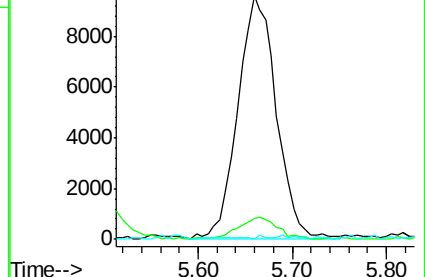
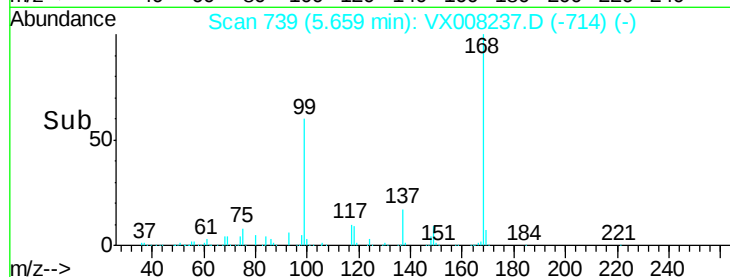
77 0.5 25.0 37.4#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0



#38

Carbon Tetrachloride

Concen: 5.938 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX008237.D

Acq: 20 Mar 2019 13:10

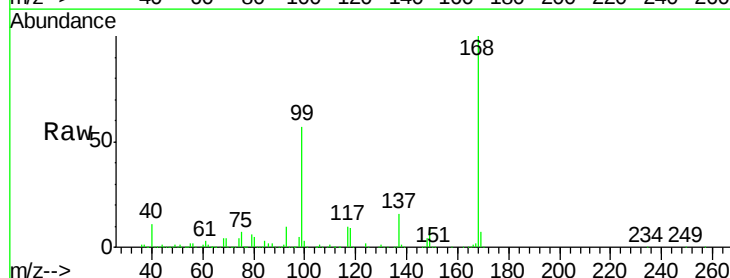
Tgt Ion:117 Resp: 34092

Ion Ratio Lower Upper

117 100

119 4.9 76.2 114.2#

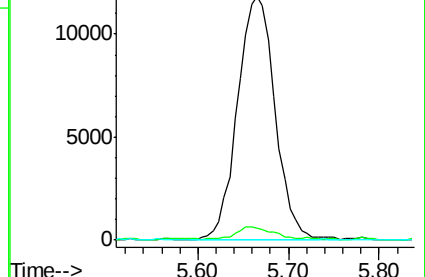
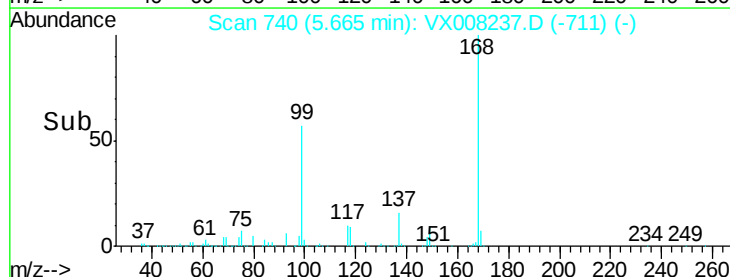
121 0.0 24.6 36.8#

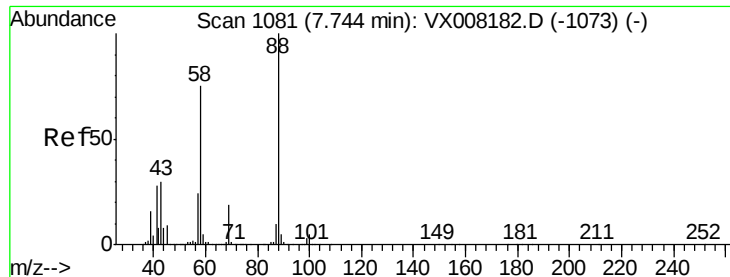


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#49

1,4-Dioxane

Concen: 0.480 ug/l

RT: 7.74 min Scan# 1080

Delta R.T. -0.01 min

Lab File: VX008237.D

Acq: 20 Mar 2019 13:10

Instrument :

MSVOA_X

ClientSampled :

FB01-20190311

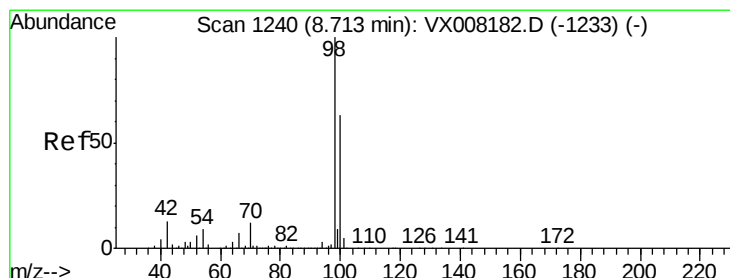
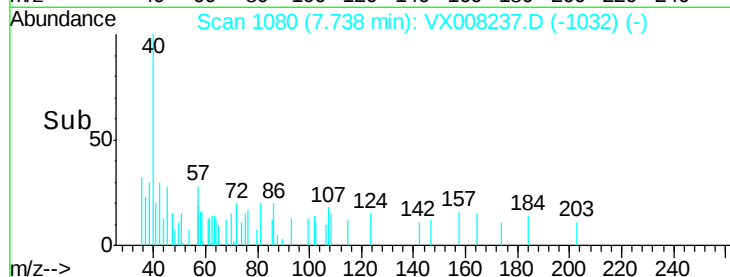
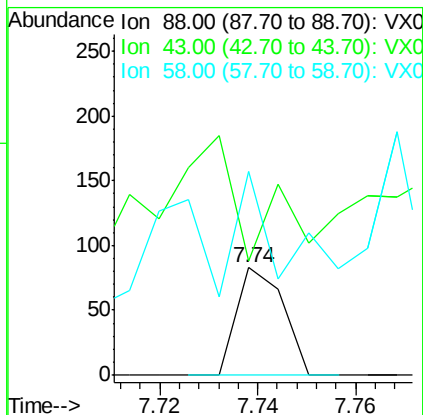
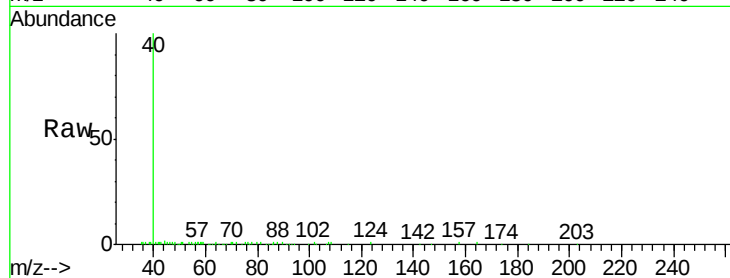
Tot Ion: 88 Resp: 55

Ion Ratio Lower Upper

88 100

43 545.5 25.1 37.7#

58 163.6 57.8 86.6#



#50

Toluene-d8

Concen: 48.088 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX008237.D

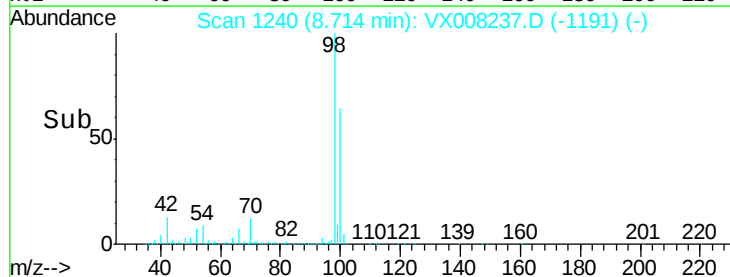
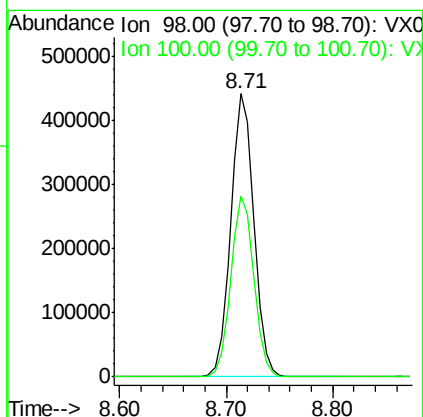
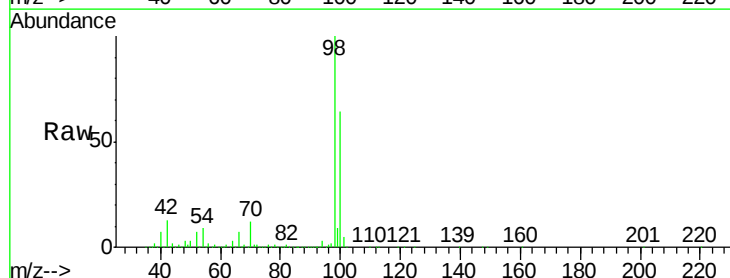
Acq: 20 Mar 2019 13:10

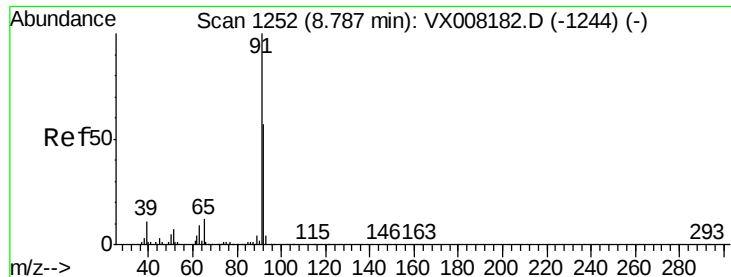
Tgt Ion: 98 Resp: 675542

Ion Ratio Lower Upper

98 100

100 63.7 51.7 77.5





#52

Toluene

Concen: 0.518 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX008237.D

Acq: 20 Mar 2019 13:10

Instrument :

MSVOA_X

ClientSampleId :

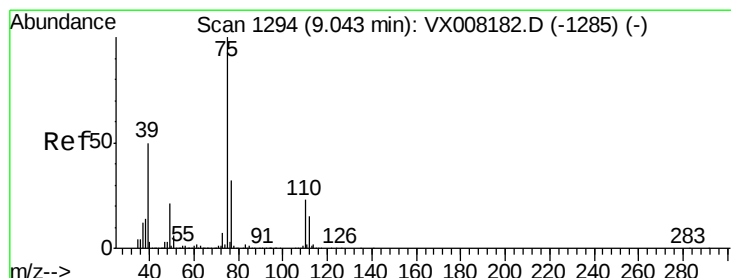
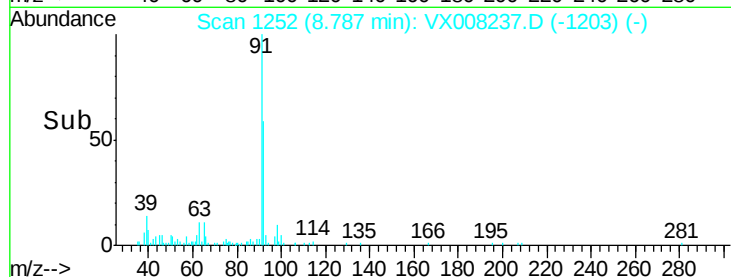
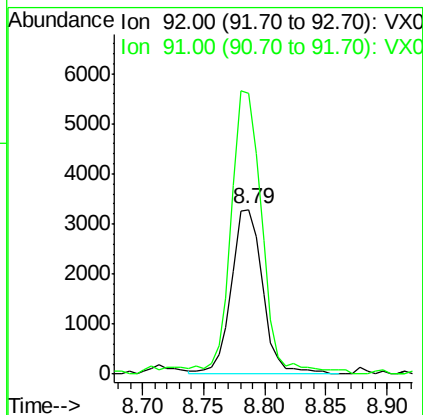
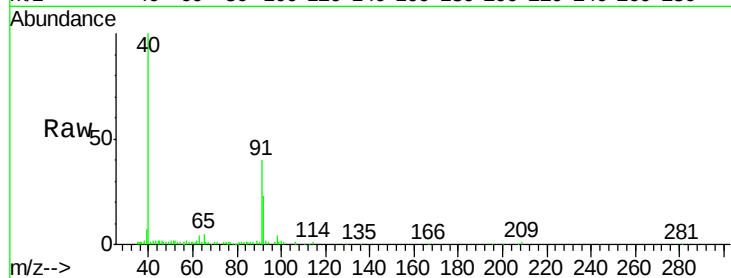
FB01-20190311

Tot Ion: 92 Resp: 5867

Ion Ratio Lower Upper

92 100

91 170.0 137.4 206.0



#53

t-1,3-Dichloropropene

Concen: 1.440 ug/l

RT: 9.05 min Scan# 1295

Delta R.T. 0.01 min

Lab File: VX008237.D

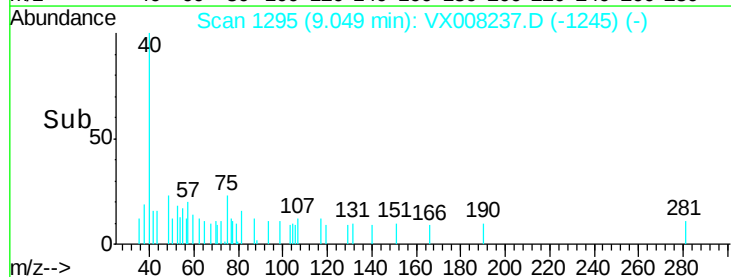
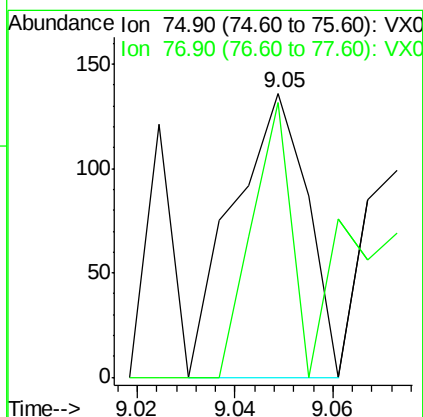
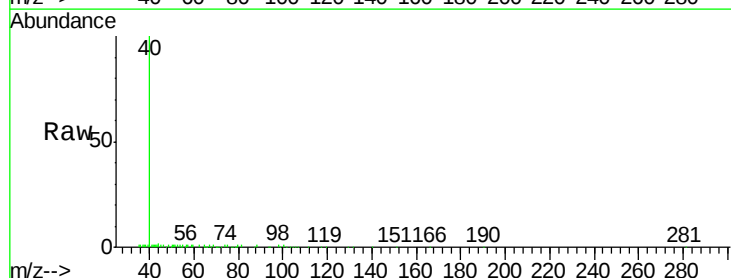
Acq: 20 Mar 2019 13:10

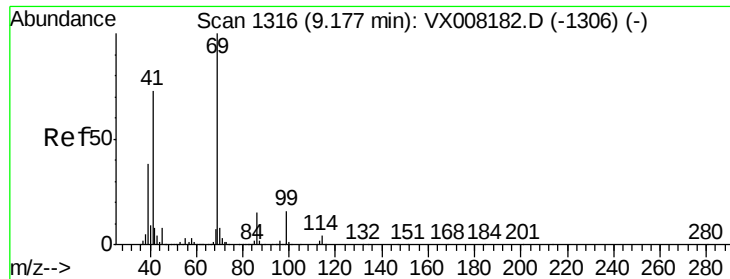
Tgt Ion: 75 Resp: 143

Ion Ratio Lower Upper

75 100

77 97.1 25.4 38.0#

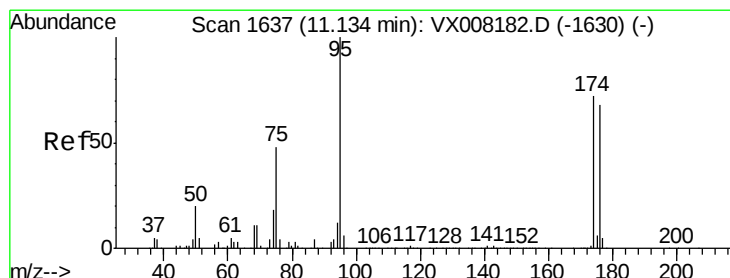
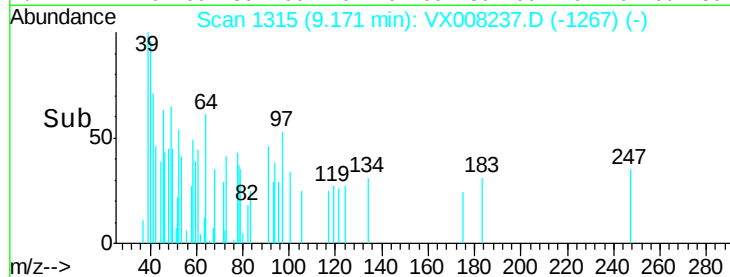
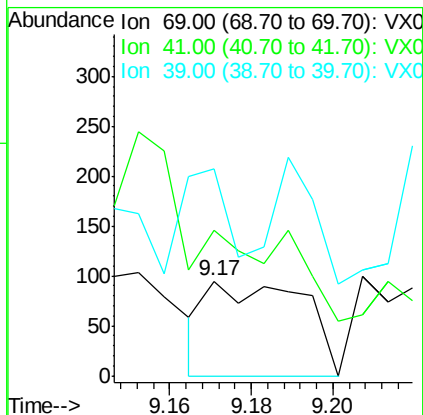
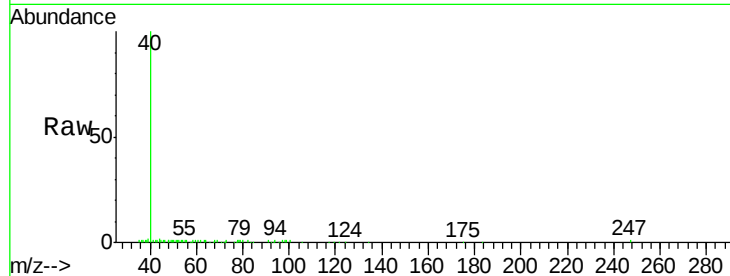




#56
Ethyl methacrylate
Concen: 0.545 ug/l
RT: 9.17 min Scan# 1315
Delta R.T. -0.01 min
Lab File: VX008237.D
Acq: 20 Mar 2019 13:10

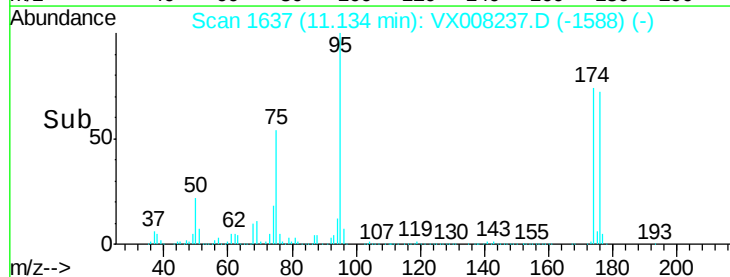
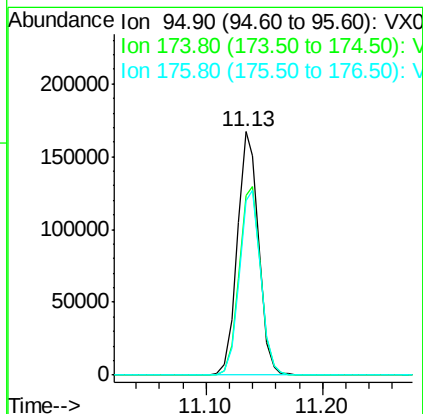
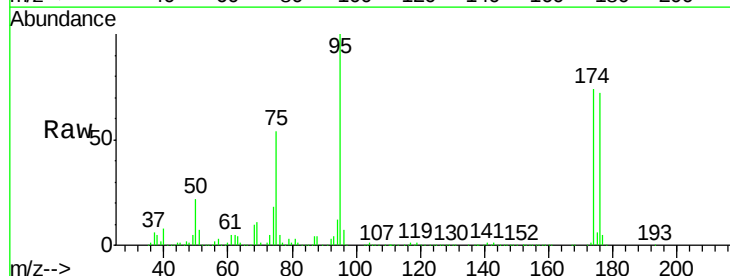
Instrument :
MSVOA_X
ClientSampleId :
FB01-20190311

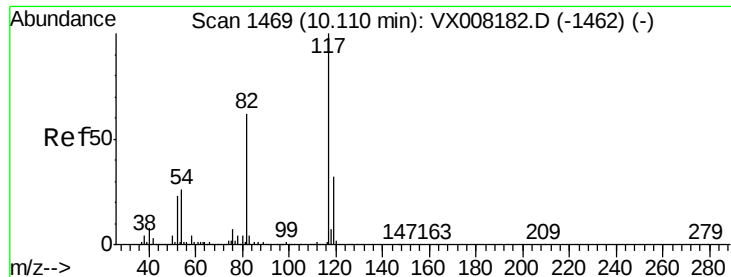
Tot Ion: 69 Resp: 154
Ion Ratio Lower Upper
69 100
41 0.0 54.2 81.4#
39 51.9 25.0 37.4#



#62
4-Bromofluorobenzene
Concen: 43.779 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX008237.D
Acq: 20 Mar 2019 13:10

Tgt Ion: 95 Resp: 211761
Ion Ratio Lower Upper
95 100
174 78.7 0.0 182.8
176 76.3 0.0 178.0

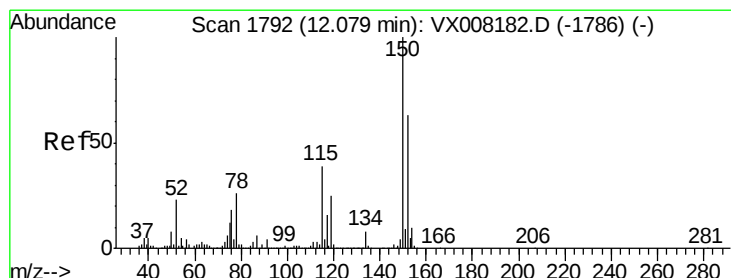
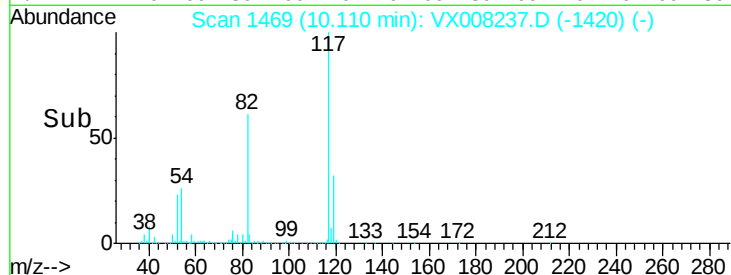
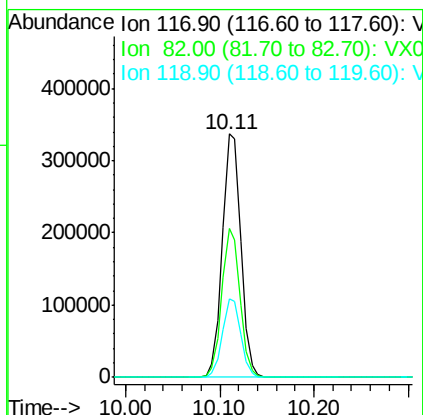
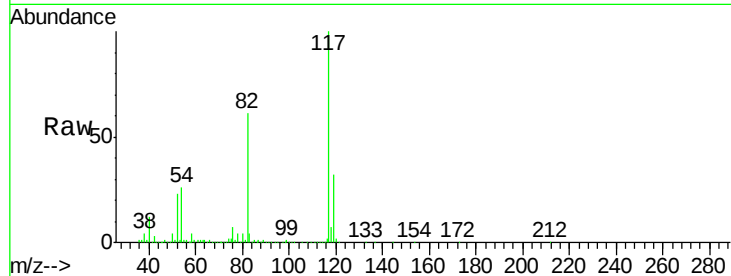




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX008237.D
Acq: 20 Mar 2019 13:10

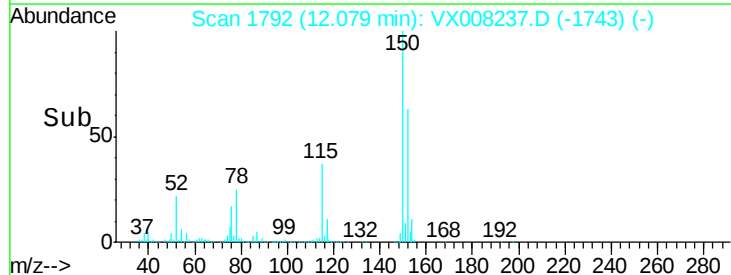
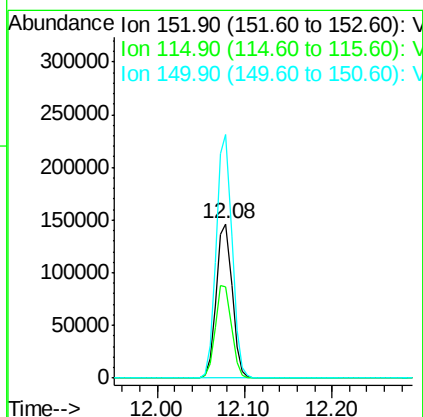
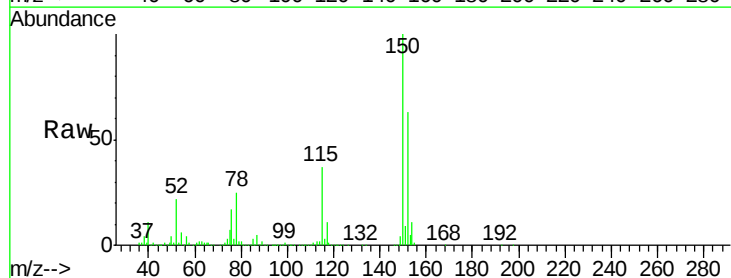
Instrument :
MSVOA_X
ClientSampleId :
FB01-20190311

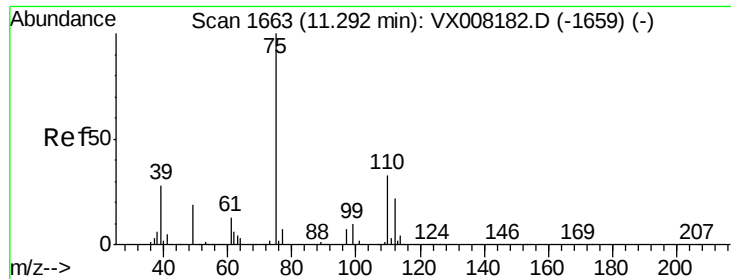
Tot Ion:117 Resp: 460368
Ion Ratio Lower Upper
117 100
82 61.3 44.3 66.5
119 32.0 25.3 37.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX008237.D
Acq: 20 Mar 2019 13:10

Tgt Ion:152 Resp: 183710
Ion Ratio Lower Upper
152 100
115 60.6 38.6 115.7
150 156.4 0.0 348.4

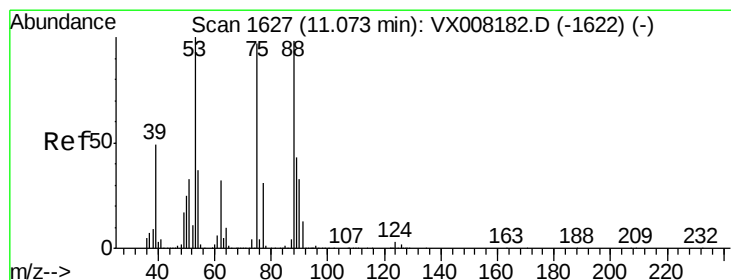
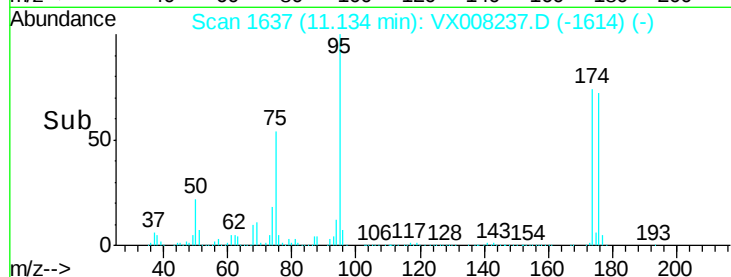
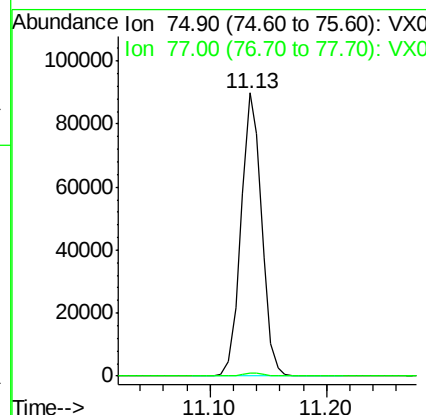
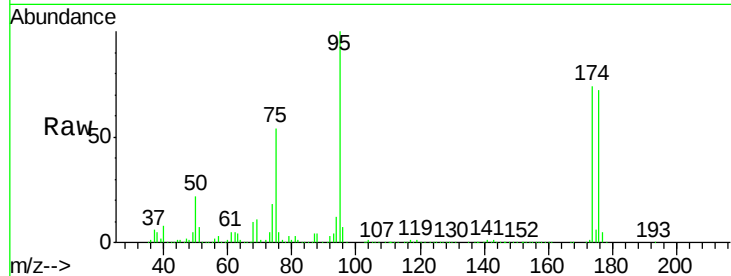




#76
 1,2,3-Trichloropropane
 Concen: 21.458 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX008237.D
 Acq: 20 Mar 2019 13:10

Instrument :
 MSVOA_X
 ClientSampleId :
 FB01-20190311

Tot Ion: 75 Resp: 110877
 Ion Ratio Lower Upper
 75 100
 77 1.5 18.9 56.7#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 54.569 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX008237.D
 Acq: 20 Mar 2019 13:10

Tgt Ion: 75 Resp: 110877
 Ion Ratio Lower Upper
 75 100
 53 0.1 76.1 114.1#
 89 0.0 36.3 54.5#

