

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX031919\
 Data File : VX008217.D
 Acq On : 20 Mar 2019 03:12
 Operator : JC/SP
 Sample : K1900-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

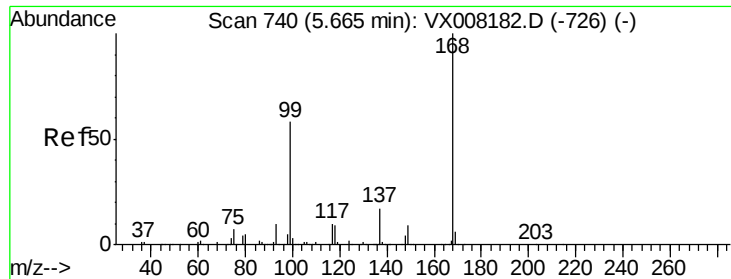
Quant Time: Mar 20 08:38:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X031919W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 20 06:51:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	329545	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	532883	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	443855	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	172804	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	227201	45.78	ug/l	0.00
Spiked Amount			Recovery	=	91.56%	
35) Dibromofluoromethane	5.50	113	166094	46.56	ug/l	0.00
Spiked Amount			Recovery	=	93.12%	
50) Toluene-d8	8.71	98	652035	48.21	ug/l	0.00
Spiked Amount			Recovery	=	96.42%	
62) 4-Bromofluorobenzene	11.13	95	203592	43.72	ug/l	0.00
Spiked Amount			Recovery	=	87.44%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.02	59	868	0.817	ug/l #	93
13) Acrolein	2.31	56	130	Below Cal	#	1
16) Acetone	2.45	43	3853	1.369	ug/l	91
17) Carbon Disulfide	2.58	76	873	0.741	ug/l	99
20) Methylene Chloride	2.85	84	1265	0.269	ug/l #	61
31) Cyclohexane	5.67	56	7429	0.902	ug/l #	18
36) 1,1-Dichloropropene	5.67	75	27013	4.354	ug/l #	50
38) Carbon Tetrachloride	5.67	117	32629	5.903	ug/l #	16
49) 1,4-Dioxane	7.73	88	158	1.432	ug/l #	7
53) t-1,3-Dichloropropene	9.04	75	330	1.465	ug/l #	59
56) Ethyl methacrylate	9.17	69	267	0.560	ug/l #	63
76) 1,2,3-Trichloropropane	11.13	75	105709	21.749	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	105709	55.289	ug/l #	11

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX008217.D

Acq: 20 Mar 2019 03:12

Instrument :

MSVOA_X

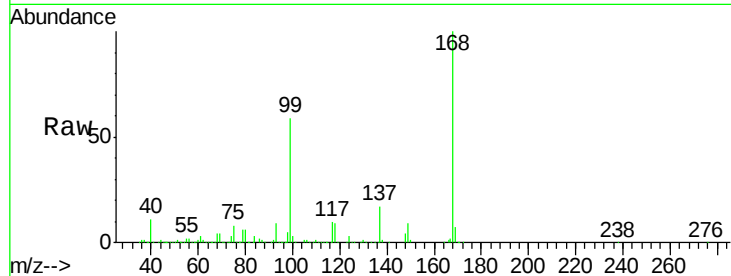
ClientSampleId :

Tot Ion:168 Resp: 329545

Ion Ratio Lower Upper

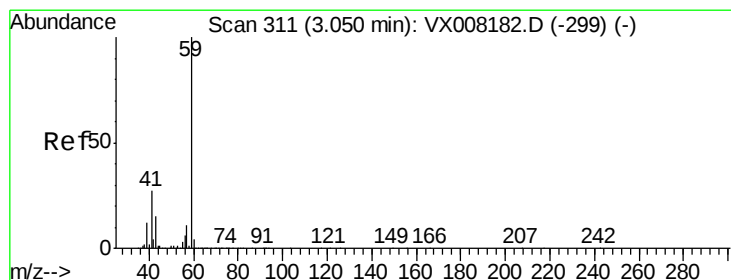
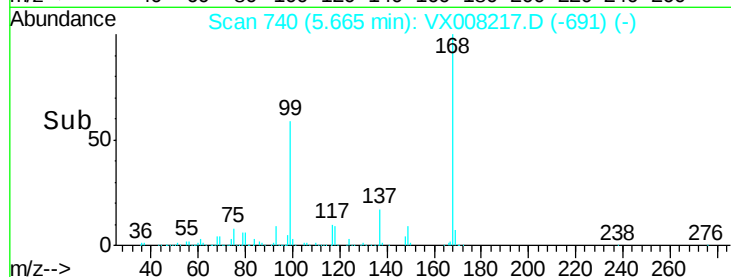
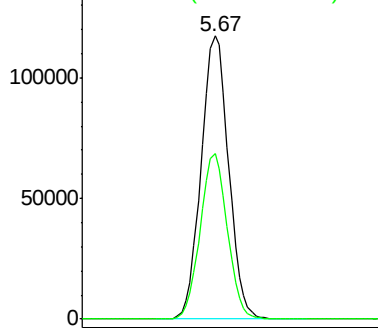
168 100

99 58.4 37.6 56.4#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#11

Tert butyl alcohol

Concen: 0.817 ug/l

RT: 3.02 min Scan# 306

Delta R.T. -0.03 min

Lab File: VX008217.D

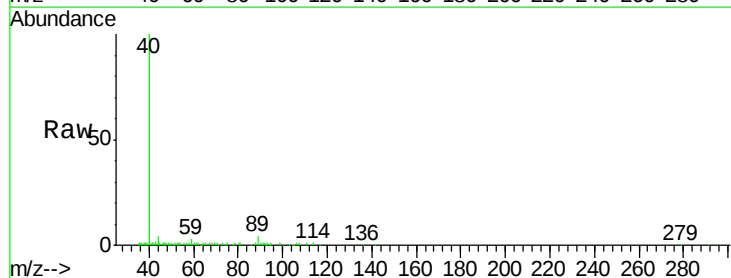
Acq: 20 Mar 2019 03:12

Tgt Ion: 59 Resp: 868

Ion Ratio Lower Upper

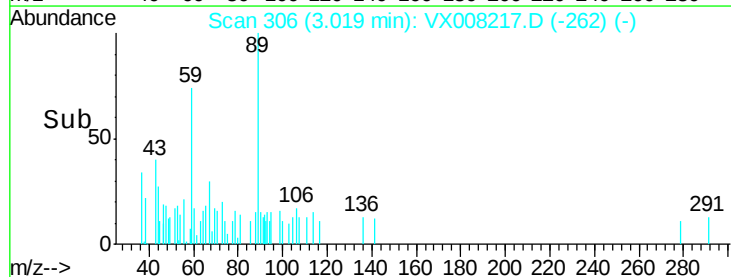
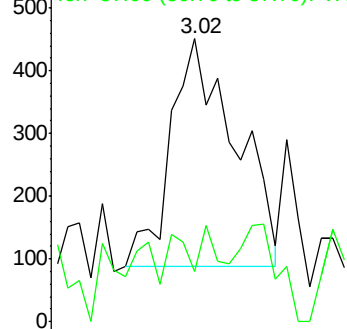
59 100

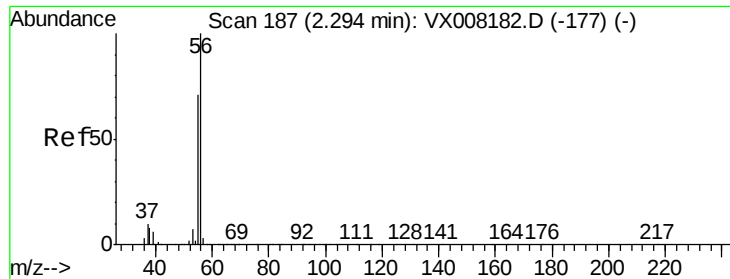
57 7.7 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: Below Cal

RT: 2.31 min Scan# 189

Delta R.T. 0.01 min

Lab File: VX008217.D

Acq: 20 Mar 2019 03:12

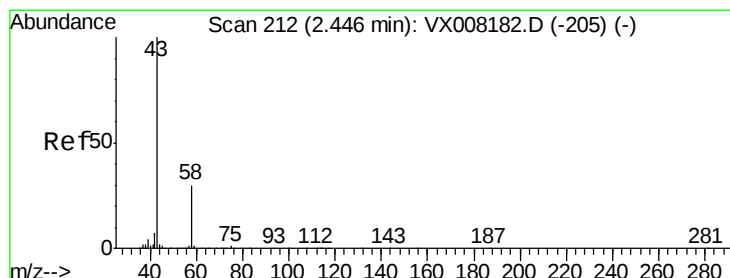
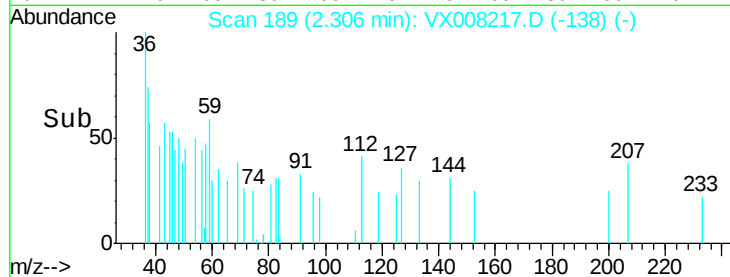
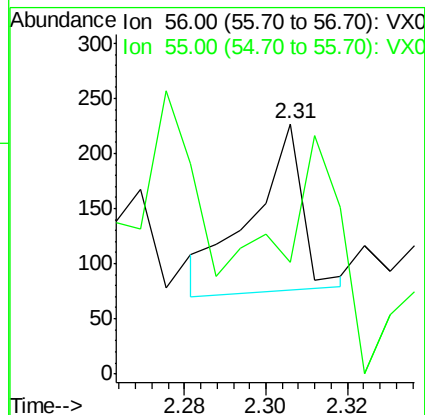
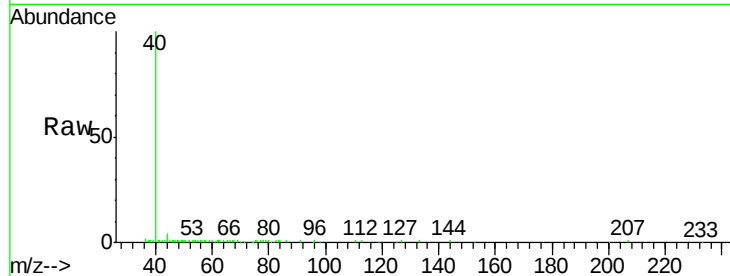
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 56 Resp: 130

Ion Ratio Lower Upper

56 100

55 167.7 57.8 86.6#



#16

Acetone

Concen: 1.369 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX008217.D

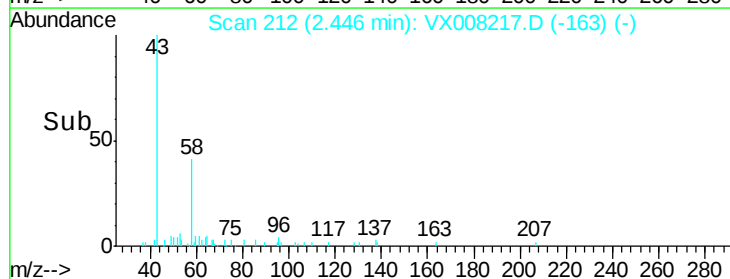
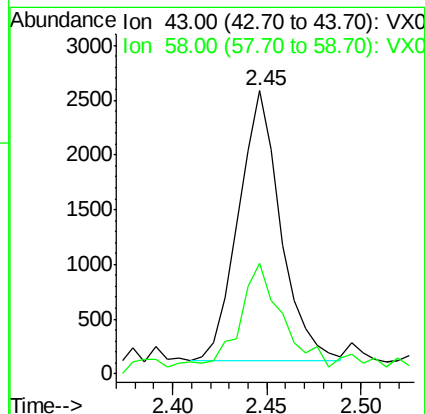
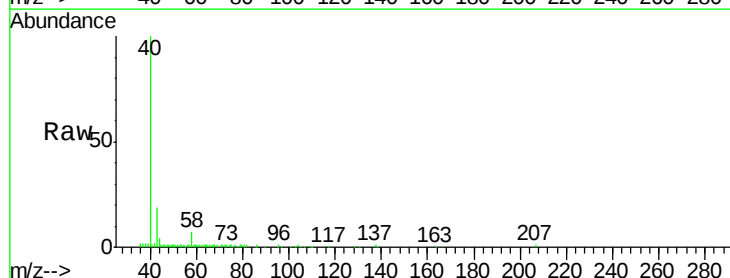
Acq: 20 Mar 2019 03:12

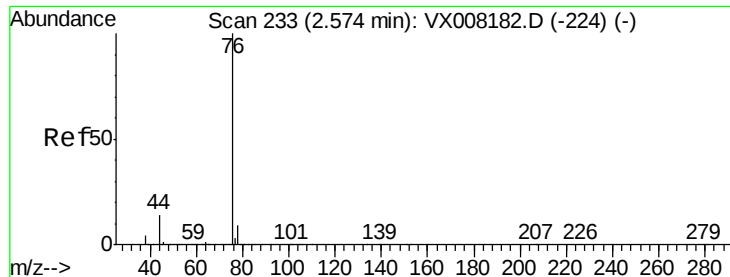
Tgt Ion: 43 Resp: 3853

Ion Ratio Lower Upper

43 100

58 36.7 25.5 38.3





#17

Carbon Disulfide

Concen: 0.741 ug/l

RT: 2.58 min Scan# 234

Delta R.T. 0.01 min

Lab File: VX008217.D

Acq: 20 Mar 2019 03:12

Instrument :

MSVOA_X

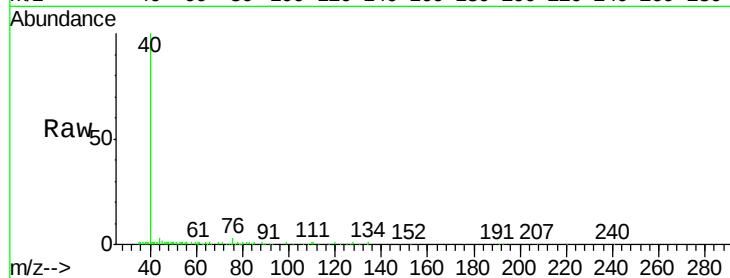
ClientSampled :

Tot Ion: 76 Resp: 873

Ion Ratio Lower Upper

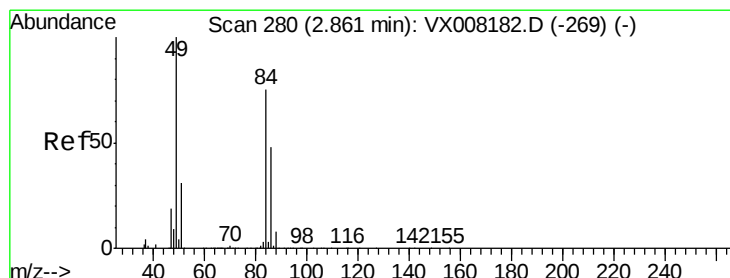
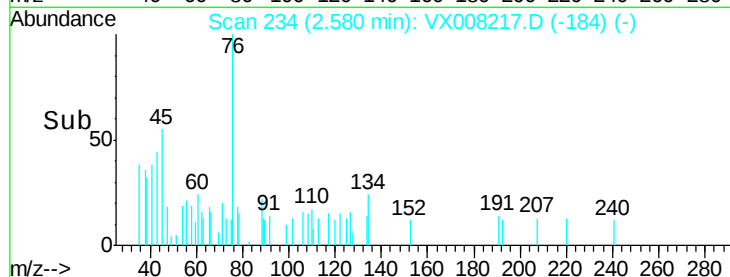
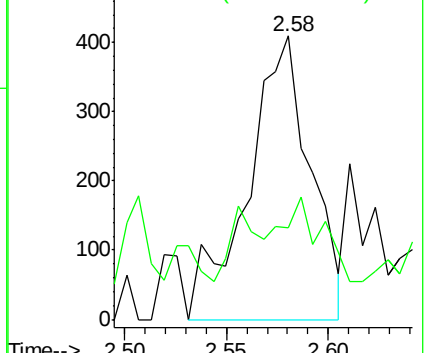
76 100

78 8.8 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#20

Methylene Chloride

Concen: 0.269 ug/l

RT: 2.85 min Scan# 279

Delta R.T. -0.01 min

Lab File: VX008217.D

Acq: 20 Mar 2019 03:12

Tgt Ion: 84 Resp: 1265

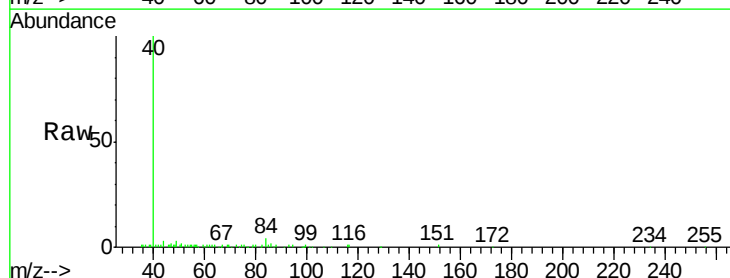
Ion Ratio Lower Upper

84 100

49 61.2 99.3 148.9#

51 21.7 31.3 46.9#

86 55.2 52.6 79.0

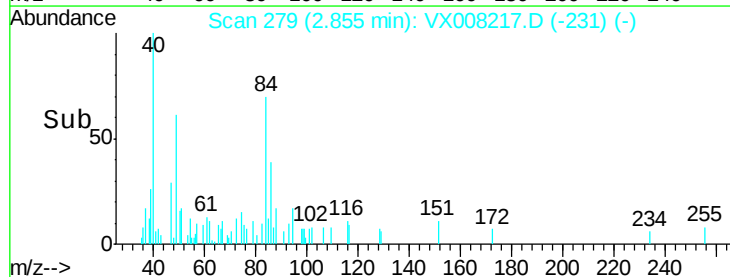
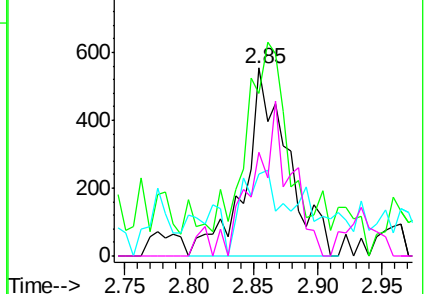


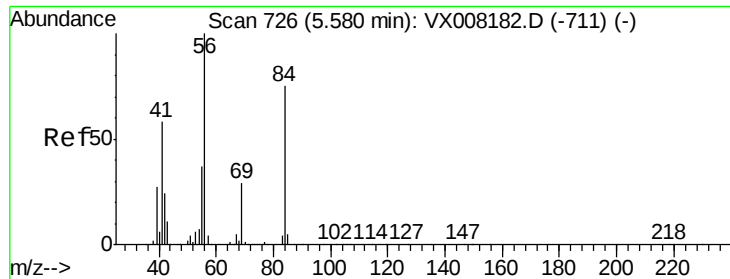
Abundance Ion 83.90 (83.60 to 84.60): VX0

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

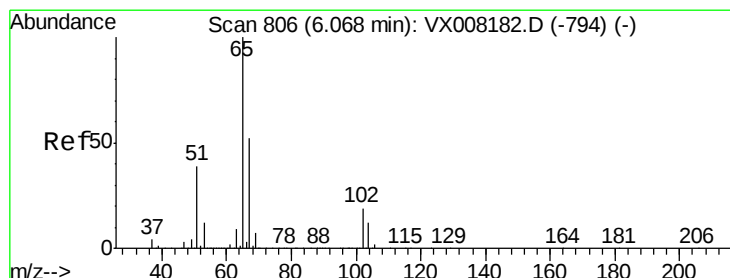
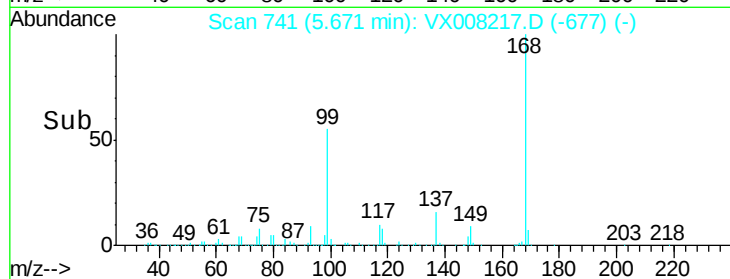
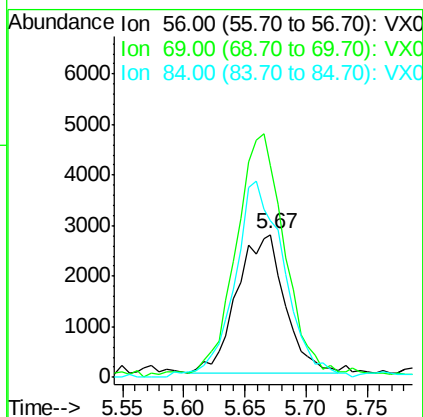
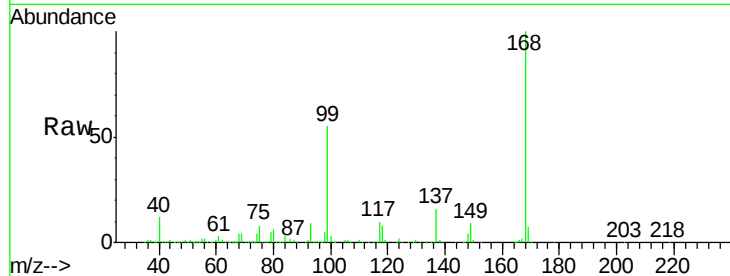




#31
Cyclohexane
Concen: 0.902 ug/l
RT: 5.67 min Scan# 741
Delta R.T. 0.09 min
Lab File: VX008217.D
Acq: 20 Mar 2019 03:12

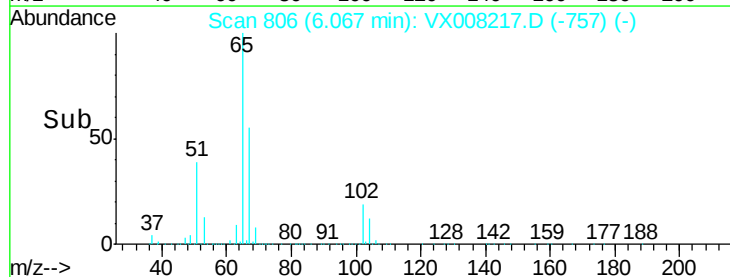
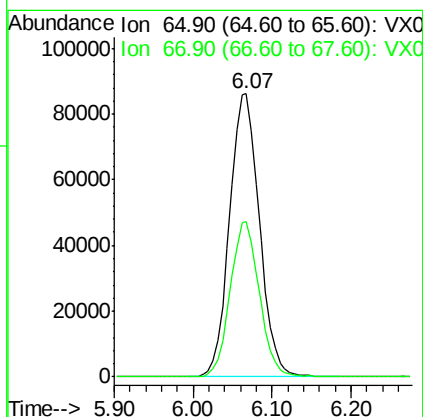
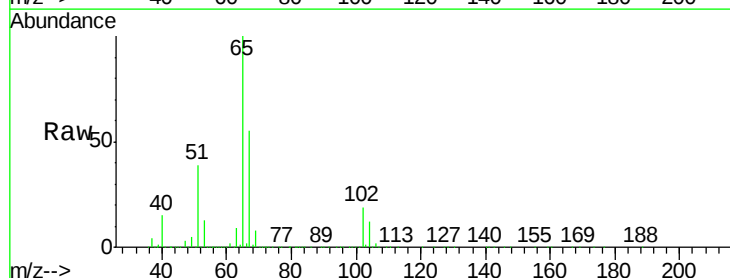
Instrument :
MSVOA_X
ClientSampled :

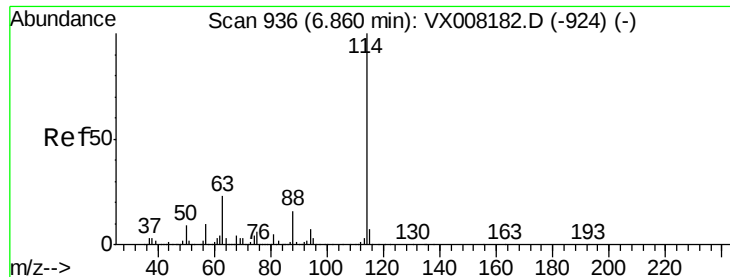
Tot Ion: 56 Resp: 7429
Ion Ratio Lower Upper
56 100
69 149.9 24.0 36.0#
84 109.5 65.3 97.9#



#33
1,2-Dichloroethane-d4
Concen: 45.777 ug/l
RT: 6.07 min Scan# 806
Delta R.T. -0.00 min
Lab File: VX008217.D
Acq: 20 Mar 2019 03:12

Tgt Ion: 65 Resp: 227201
Ion Ratio Lower Upper
65 100
67 53.4 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: VX008217.D

Acq: 20 Mar 2019 03:12

Instrument :

MSVOA_X

ClientSampleId :

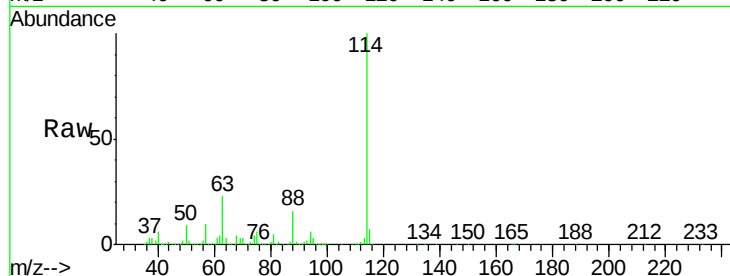
Tot Ion:114 Resp: 532883

Ion Ratio Lower Upper

114 100

63 23.0 0.0 39.8

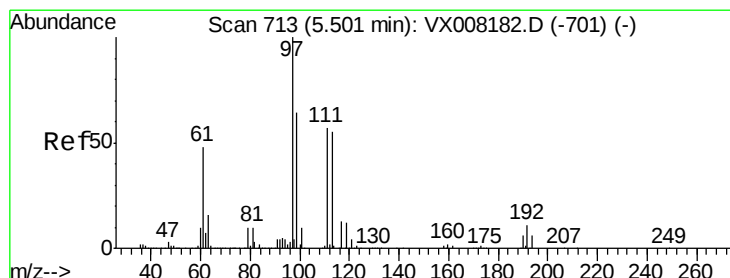
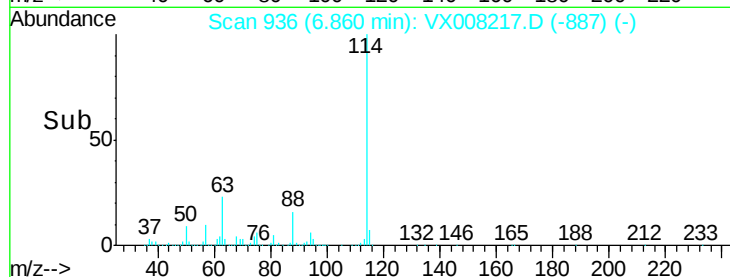
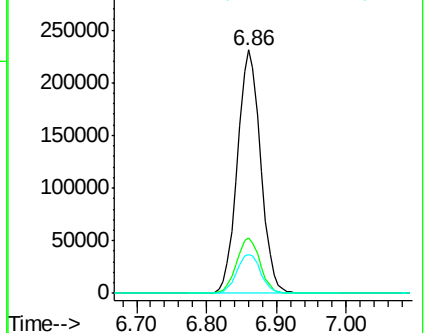
88 15.8 0.0 31.4



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: 46.560 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX008217.D

Acq: 20 Mar 2019 03:12

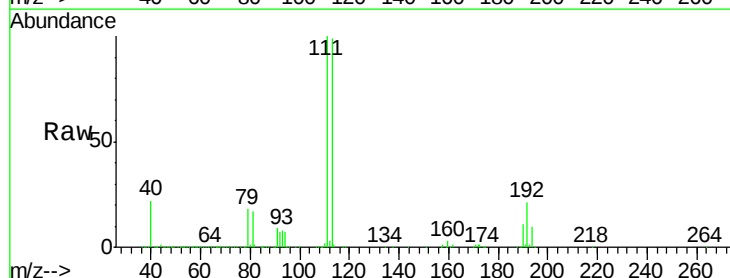
Tgt Ion:113 Resp: 166094

Ion Ratio Lower Upper

113 100

111 103.4 81.4 122.0

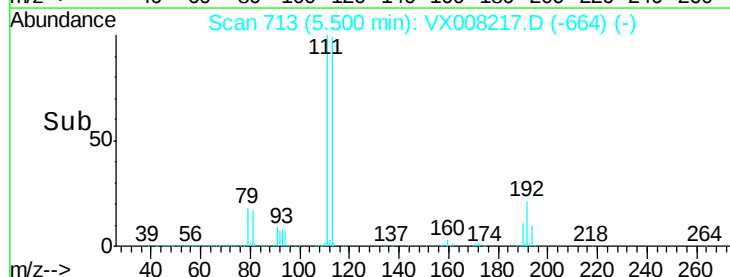
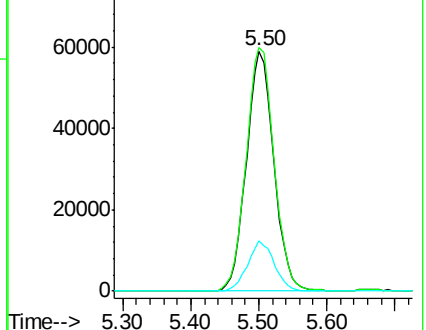
192 20.3 19.4 29.0

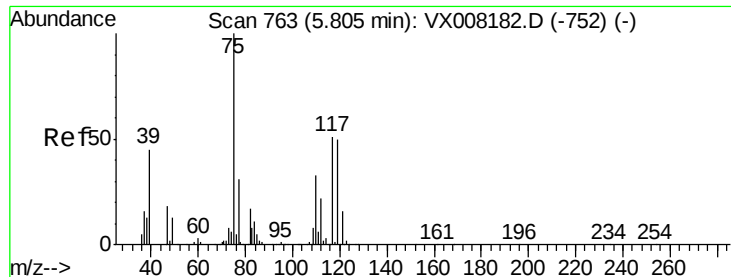


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.354 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.14 min

Lab File: VX008217.D

Acq: 20 Mar 2019 03:12

Instrument :

MSVOA_X

ClientSampleId :

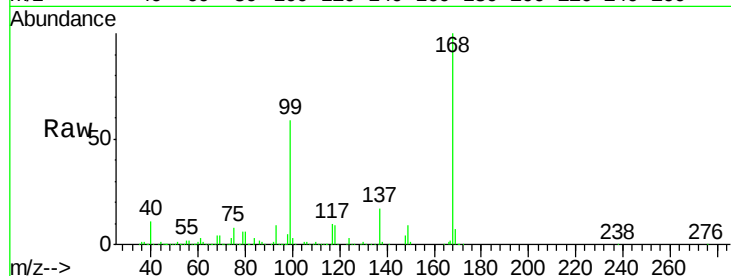
Tot Ion: 75 Resp: 27013

Ion Ratio Lower Upper

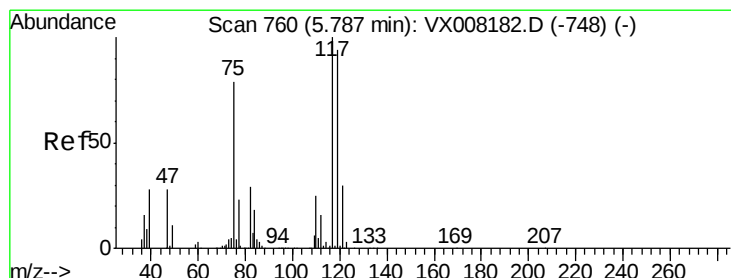
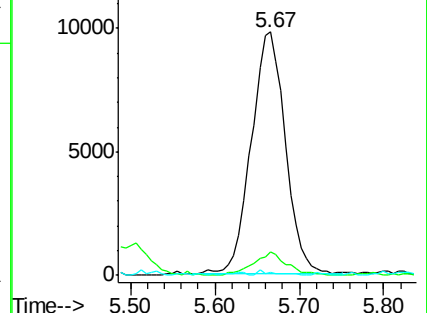
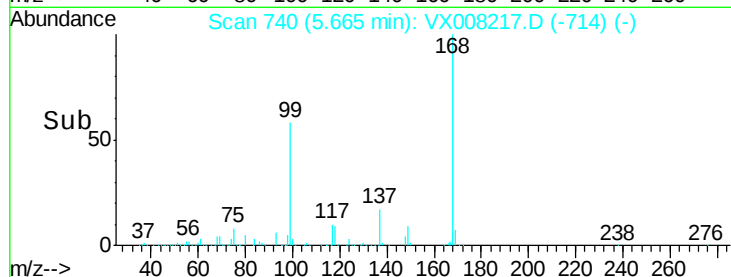
75 100

110 9.6 18.4 55.0#

77 1.1 25.0 37.4#



Abundance Ion 74.90 (74.60 to 75.60): VX008217.D (-714) (-)



#38

Carbon Tetrachloride

Concen: 5.903 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX008217.D

Acq: 20 Mar 2019 03:12

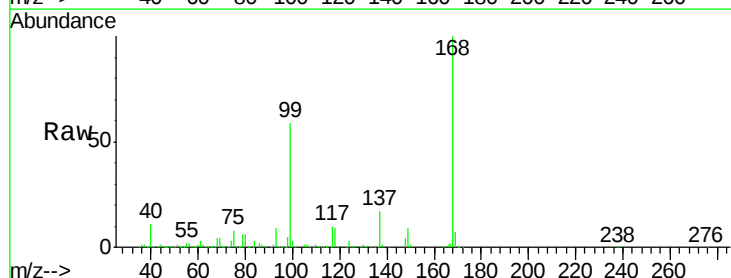
Tgt Ion: 117 Resp: 32629

Ion Ratio Lower Upper

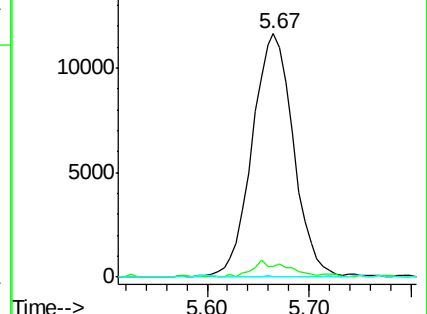
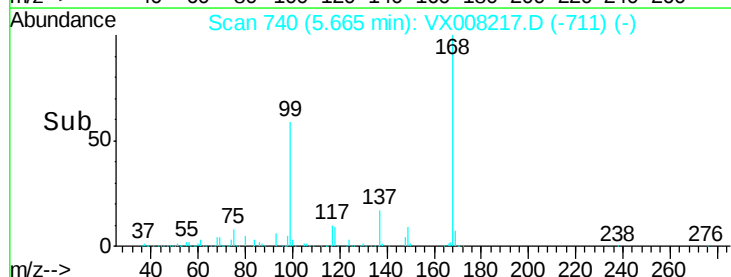
117 100

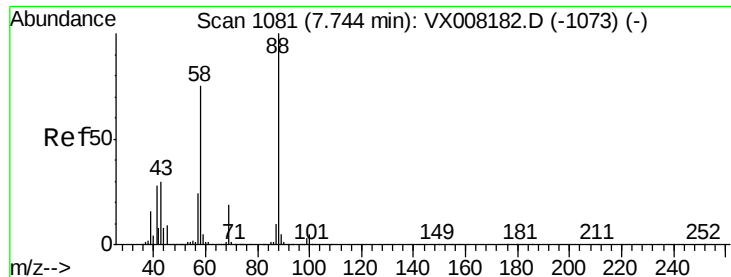
119 4.6 76.2 114.2#

121 0.0 24.6 36.8#



Abundance Ion 116.80 (116.50 to 117.50): VX008217.D (-711) (-)

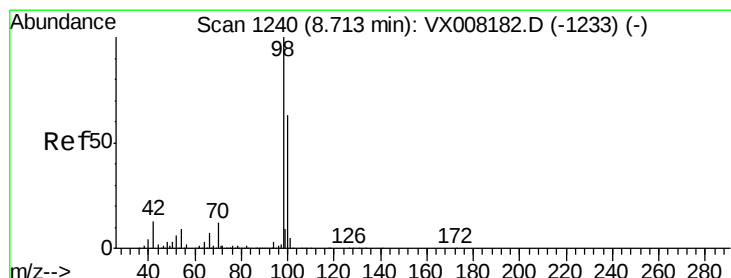
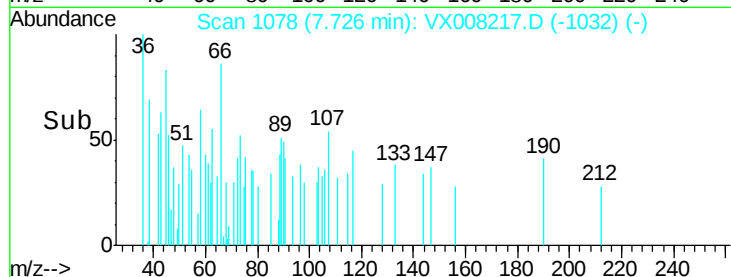
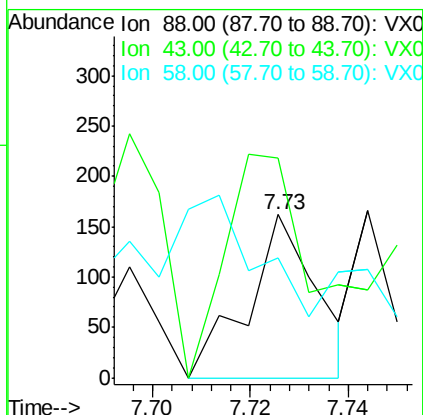
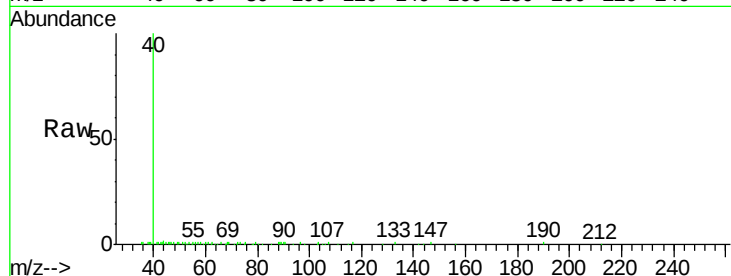




#49
1,4-Dioxane
Concen: 1.432 ug/l
RT: 7.73 min Scan# 1078
Delta R.T. -0.02 min
Lab File: VX008217.D
Acq: 20 Mar 2019 03:12

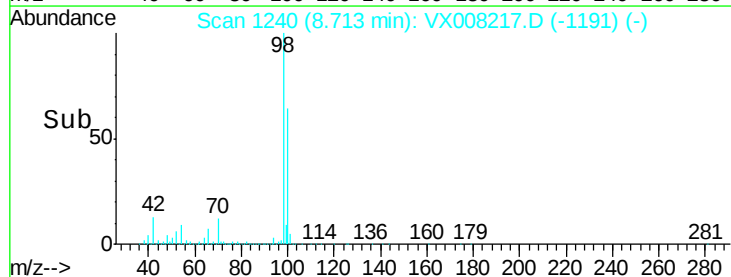
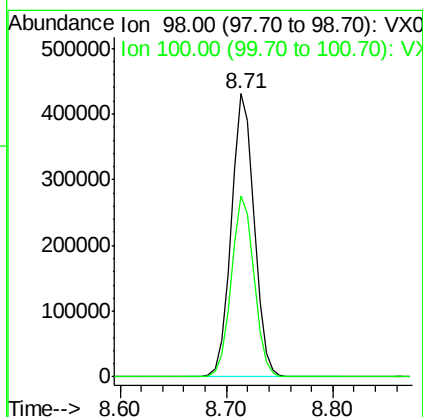
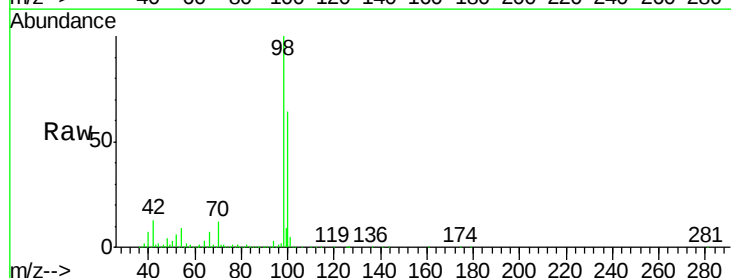
Instrument :
MSVOA_X
ClientSampleId :

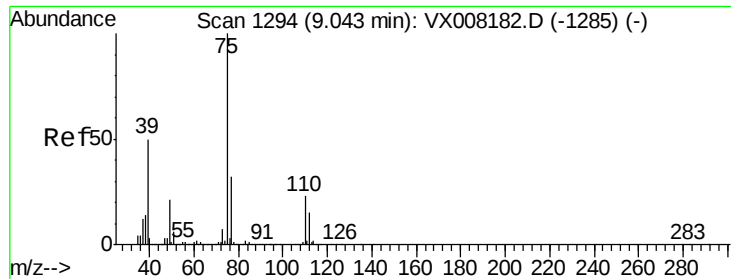
Tot Ion: 88 Resp: 158
Ion Ratio Lower Upper
88 100
43 186.7 25.1 37.7#
58 81.0 57.8 86.6



#50
Toluene-d8
Concen: 48.210 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX008217.D
Acq: 20 Mar 2019 03:12

Tgt Ion: 98 Resp: 652035
Ion Ratio Lower Upper
98 100
100 63.5 51.7 77.5





#53

t-1,3-Dichloropropene

Concen: 1.465 ug/l

RT: 9.04 min Scan# 1293

Delta R.T. -0.01 min

Lab File: VX008217.D

Acq: 20 Mar 2019 03:12

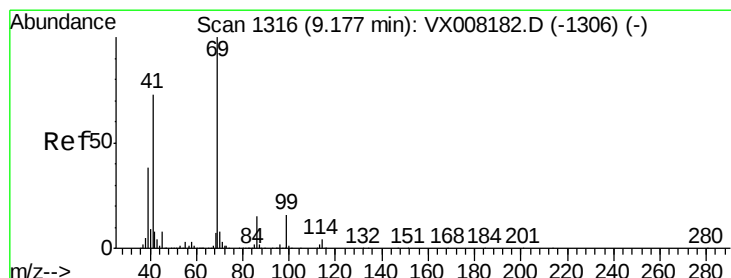
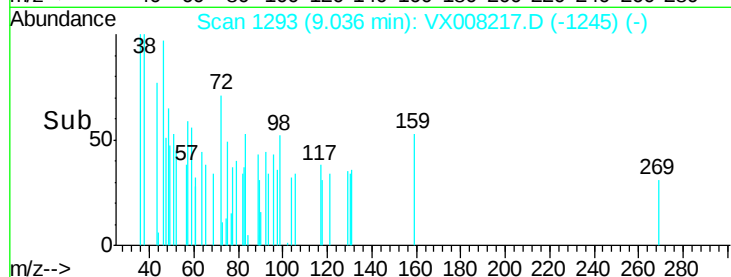
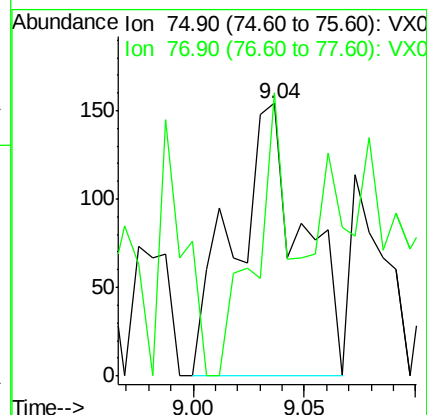
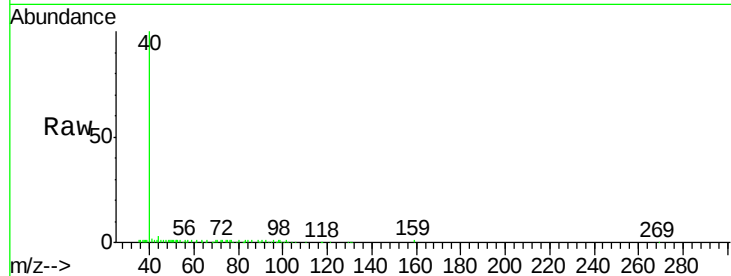
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 75 Resp: 330

Ion Ratio Lower Upper

75 100

77 54.5 25.4 38.0#



#56

Ethyl methacrylate

Concen: 0.560 ug/l

RT: 9.17 min Scan# 1315

Delta R.T. -0.01 min

Lab File: VX008217.D

Acq: 20 Mar 2019 03:12

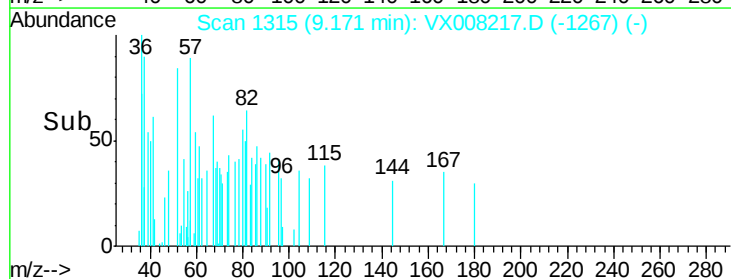
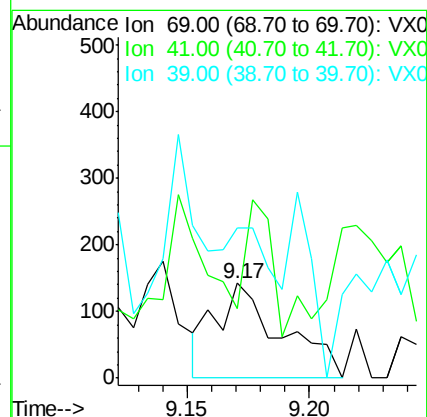
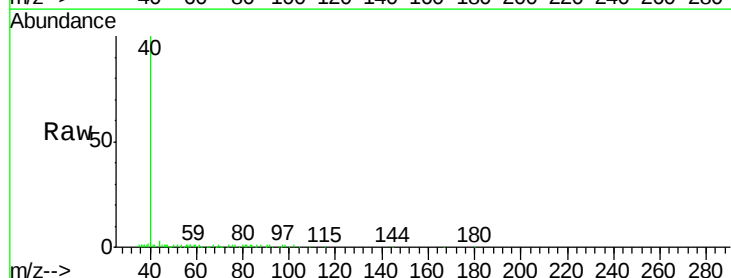
Tgt Ion: 69 Resp: 267

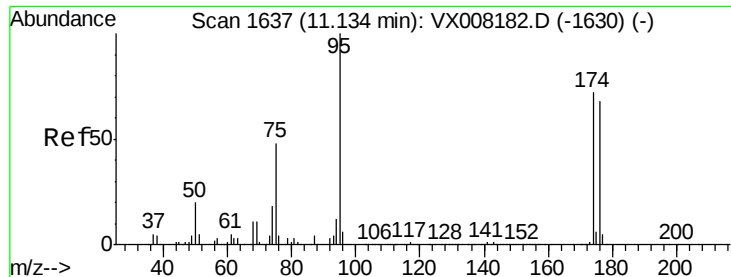
Ion Ratio Lower Upper

69 100

41 45.7 54.2 81.4#

39 0.0 25.0 37.4#

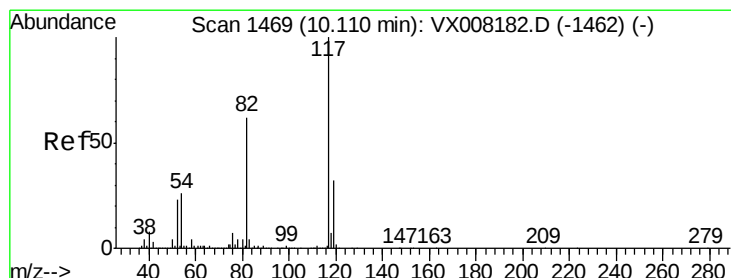
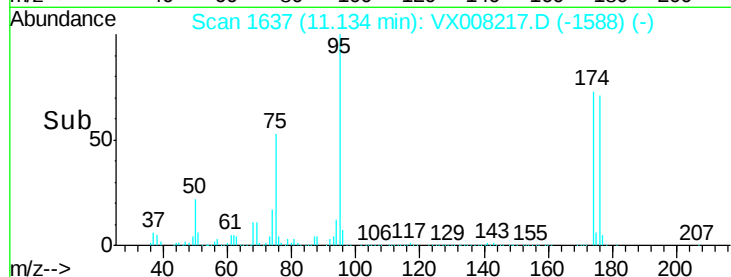
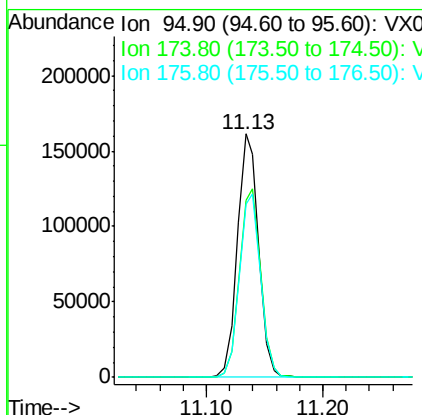
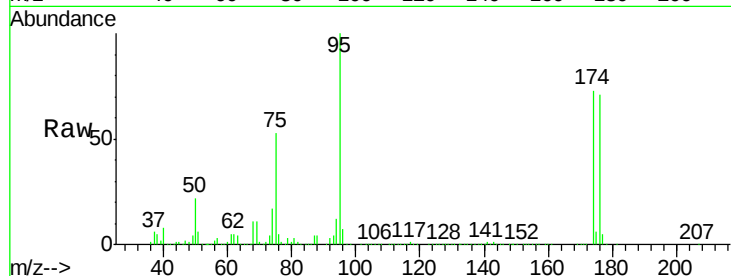




#62
4-Bromofluorobenzene
Concen: 43.718 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX008217.D
Acq: 20 Mar 2019 03:12

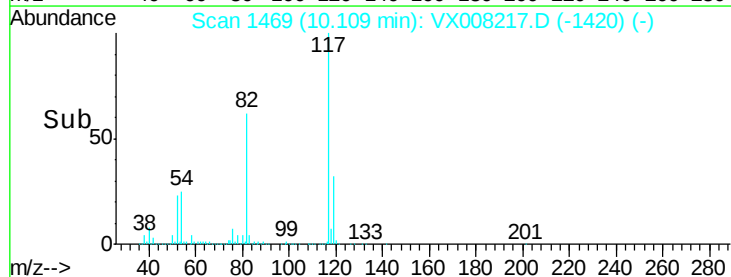
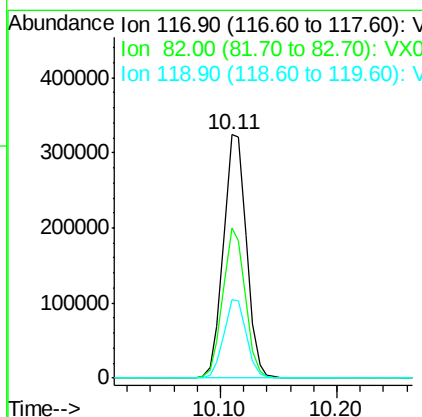
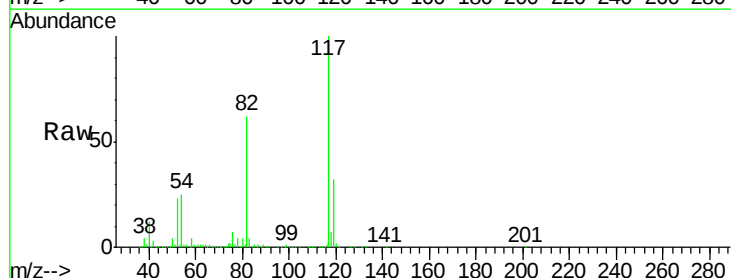
Instrument :
MSVOA_X
ClientSampleId :

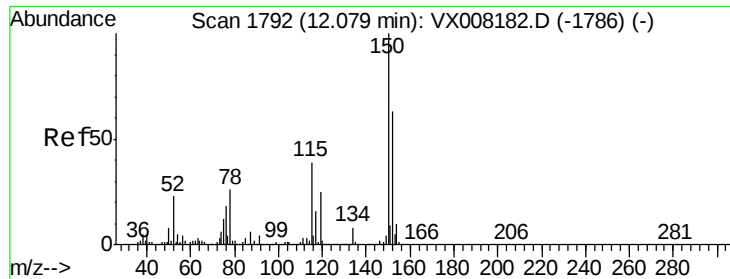
Tot Ion: 95 Resp: 203592
Ion Ratio Lower Upper
95 100
174 78.2 0.0 182.8
176 76.0 0.0 178.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX008217.D
Acq: 20 Mar 2019 03:12

Tgt Ion: 117 Resp: 443855
Ion Ratio Lower Upper
117 100
82 61.5 44.3 66.5
119 32.2 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: VX008217.D

Acq: 20 Mar 2019 03:12

Instrument :

MSVOA_X

ClientSampleId :

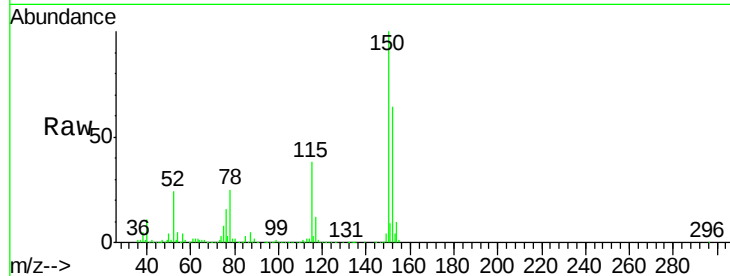
Tot Ion:152 Resp: 172804

Ion Ratio Lower Upper

152 100

115 60.3 38.6 115.7

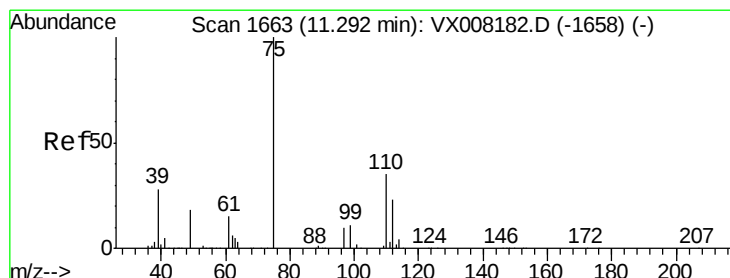
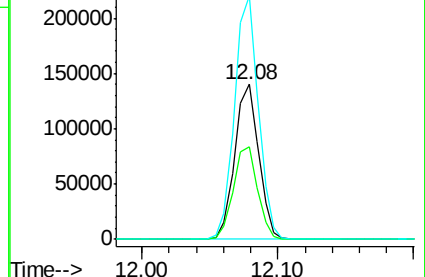
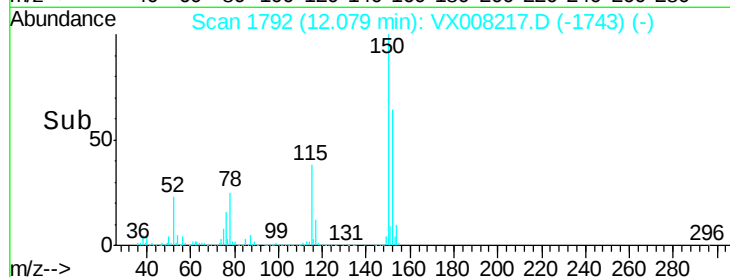
150 155.8 0.0 348.4



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: 21.749 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX008217.D

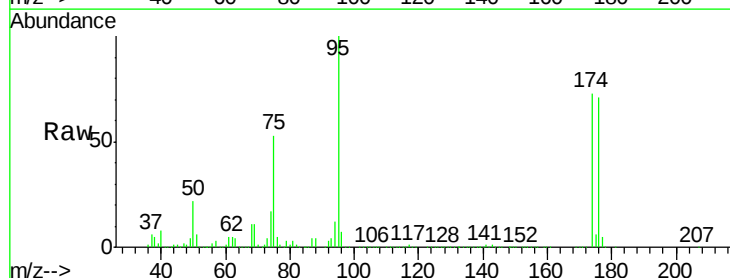
Acq: 20 Mar 2019 03:12

Tgt Ion: 75 Resp: 105709

Ion Ratio Lower Upper

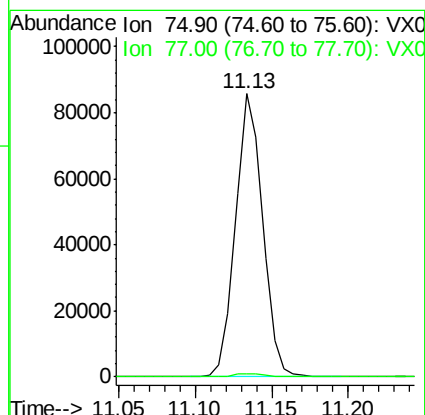
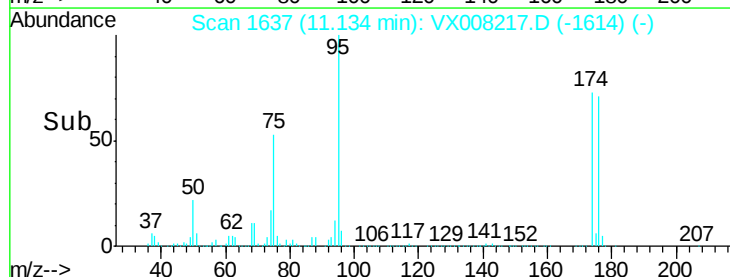
75 100

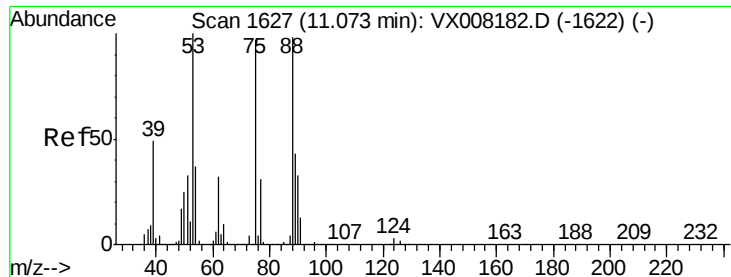
77 1.4 18.9 56.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81
 trans-1,4-Dichloro-2-butene
 Concen: 55.289 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX008217.D
 Acq: 20 Mar 2019 03:12

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 75 Resp: 105709
 Ion Ratio Lower Upper
 75 100
 53 0.1 76.1 114.1#
 89 0.0 36.3 54.5#

