

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050719\
 Data File : VX009383.D
 Acq On : 07 May 2019 17:41
 Operator : JC/SP
 Sample : K2729-07
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 B-5-GW

Quant Time: May 08 02:16:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 08:24:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	173880	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	277875	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	237515	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	94054	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	114570	48.27	ug/l	0.00
Spiked Amount			Recovery	=	96.54%	
35) Dibromofluoromethane	5.50	113	84621	48.44	ug/l	0.00
Spiked Amount			Recovery	=	96.88%	
50) Toluene-d8	8.71	98	343546	48.71	ug/l	0.00
Spiked Amount			Recovery	=	97.42%	
62) 4-Bromofluorobenzene	11.13	95	107013	41.76	ug/l	0.00
Spiked Amount			Recovery	=	83.52%	

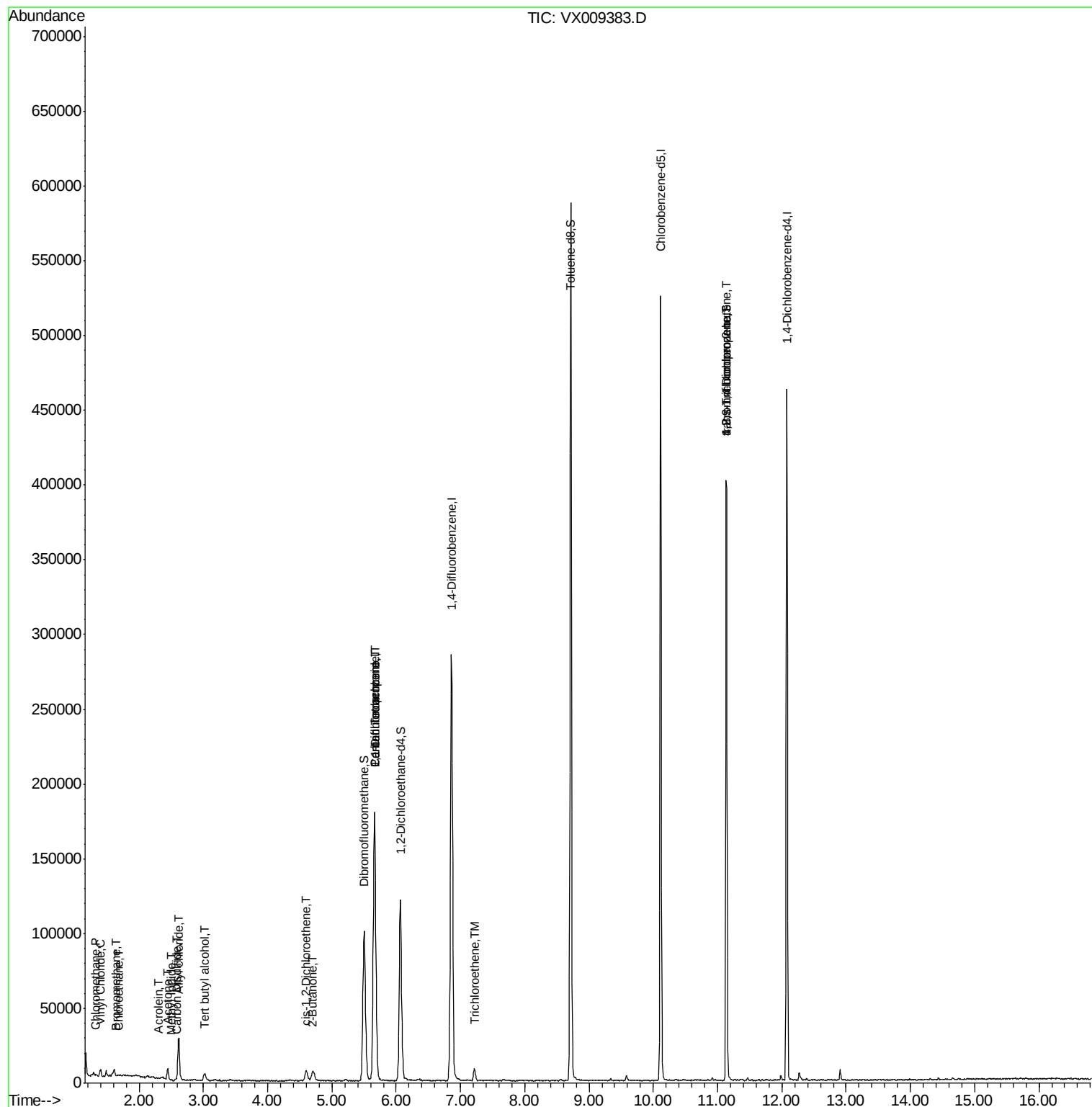
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	441	0.202	ug/l #	86
4) Vinyl Chloride	1.40	62	1528	0.716	ug/l	96
5) Bromomethane	1.64	94	370	0.289	ug/l #	80
6) Chloroethane	1.69	64	1375	1.004	ug/l #	43
10) Methyl Iodide	2.51	142	67	4.626	ug/l #	42
11) Tert butyl alcohol	3.01	59	3955	7.198	ug/l #	80
13) Acrolein	2.30	56	196	0.394	ug/l #	77
14) Allyl chloride	2.61	41	3410	0.858	ug/l #	61
16) Acetone	2.45	43	8140	6.386	ug/l	96
17) Carbon Disulfide	2.57	76	1267	0.277	ug/l #	92
25) 2-Butanone	4.70	43	1709	0.863	ug/l #	90
27) cis-1,2-Dichloroethene	4.60	96	4277	2.025	ug/l	89
28) Bromochloromethane	4.98	49	86	Below Cal	#	20
36) 1,1-Dichloropropene	5.66	75	13596	5.265	ug/l #	52
38) Carbon Tetrachloride	5.67	117	16385	6.984	ug/l #	15
44) Trichloroethene	7.22	130	3155	1.633	ug/l	97
76) 1,2,3-Trichloropropane	11.13	75	55703	25.532	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	55703	65.327	ug/l #	10

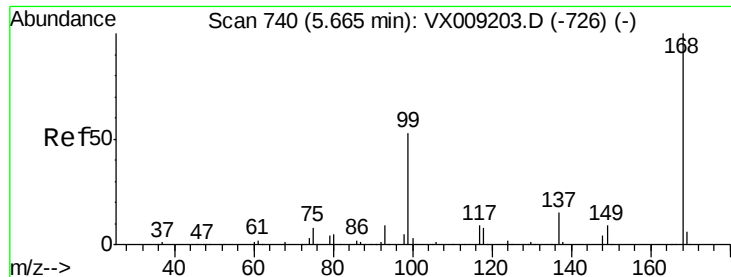
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX009383.D

Acq: 07 May 2019 17:41

Instrument :

MSVOA_X

ClientSampleId :

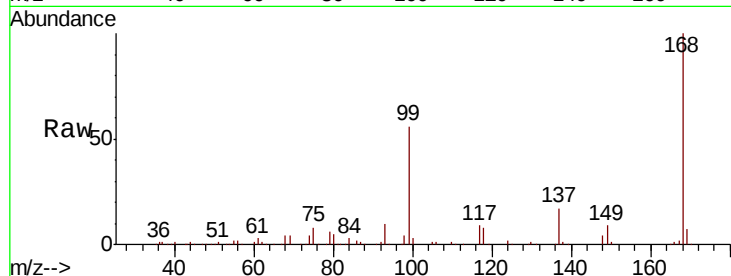
B-5-GW

Tot Ion:168 Resp: 173880

Ion Ratio Lower Upper

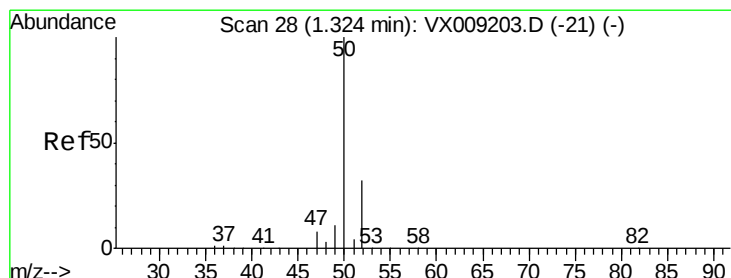
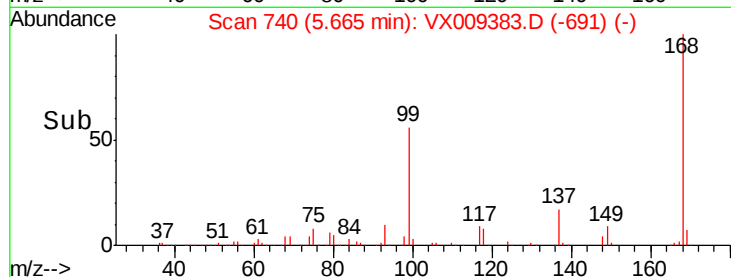
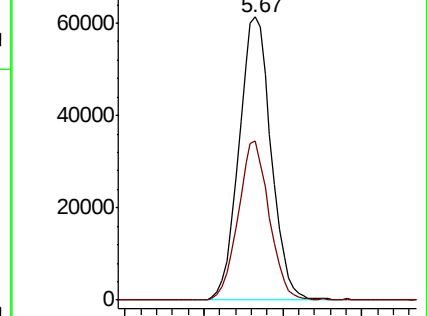
168 100

99 56.4 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.202 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX009383.D

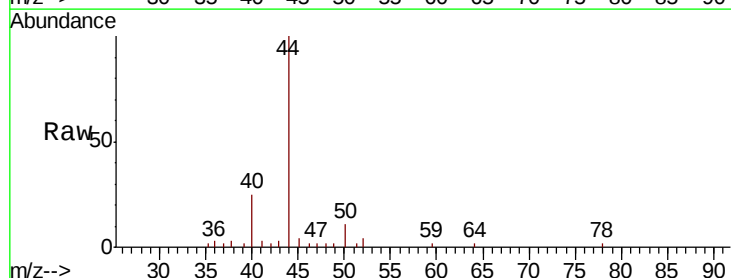
Acq: 07 May 2019 17:41

Tgt Ion: 50 Resp: 441

Ion Ratio Lower Upper

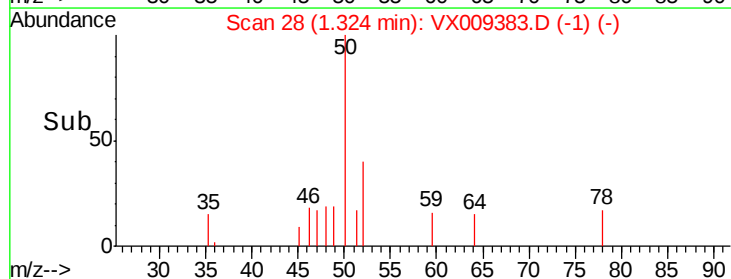
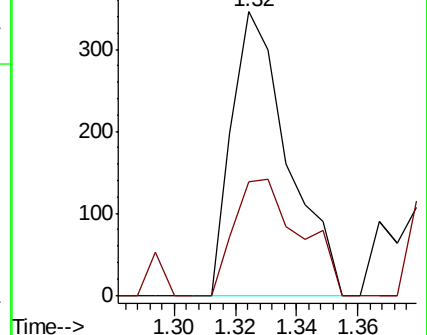
50 100

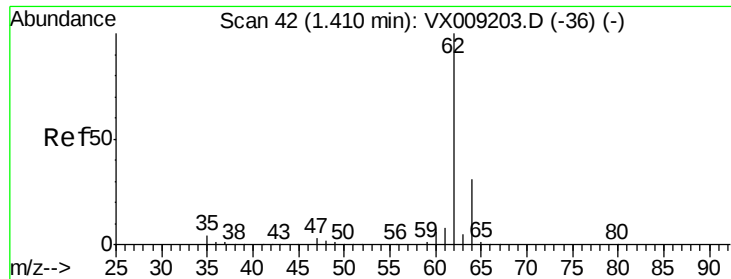
52 40.2 25.9 38.9#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#4

Vinyl Chloride

Concen: 0.716 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.01 min

Lab File: VX009383.D

Acq: 07 May 2019 17:41

Instrument :

MSVOA_X

ClientSampled :

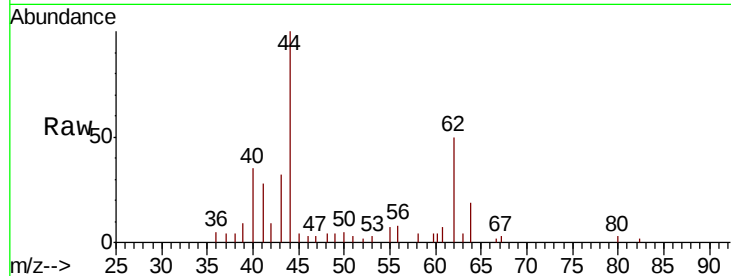
B-5-GW

Tot Ion: 62 Resp: 1528

Ion Ratio Lower Upper

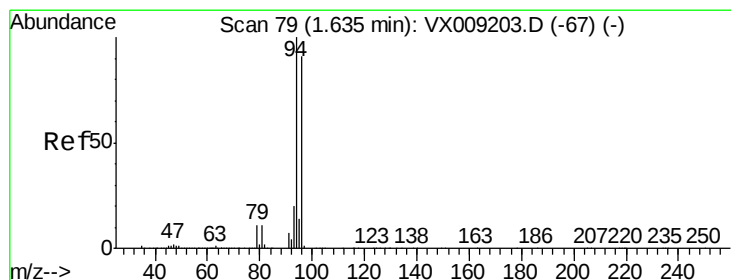
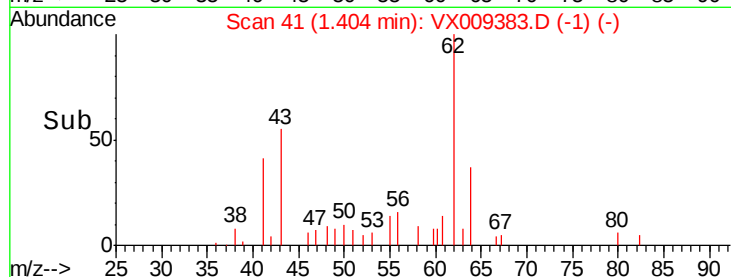
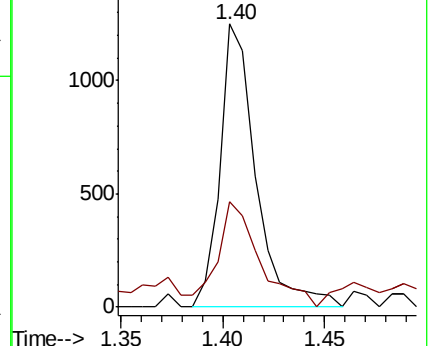
62 100

64 33.0 24.6 36.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



#5

Bromomethane

Concen: 0.289 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX009383.D

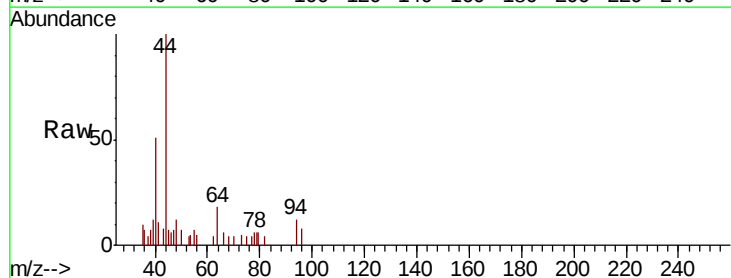
Acq: 07 May 2019 17:41

Tgt Ion: 94 Resp: 370

Ion Ratio Lower Upper

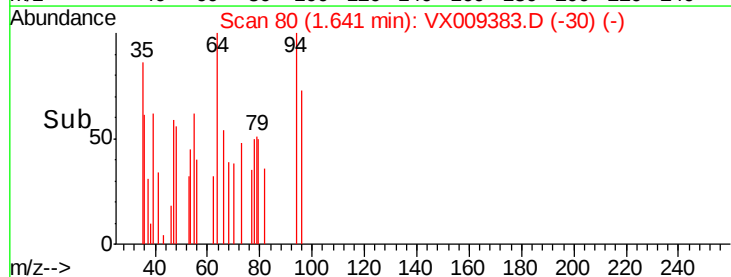
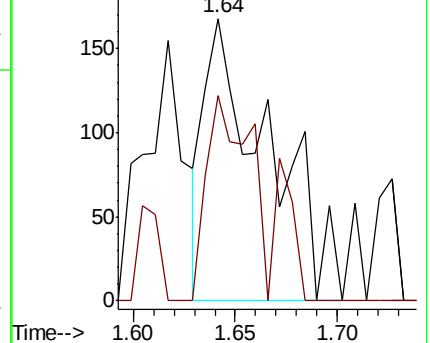
94 100

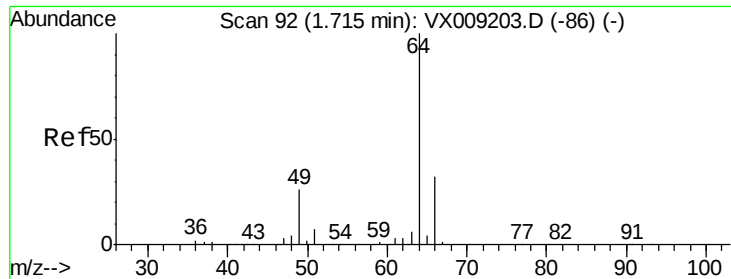
96 72.6 73.0 109.6#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: 1.004 ug/l

RT: 1.69 min Scan# 88

Delta R.T. -0.02 min

Lab File: VX009383.D

Acq: 07 May 2019 17:41

Instrument :

MSVOA_X

ClientSampled :

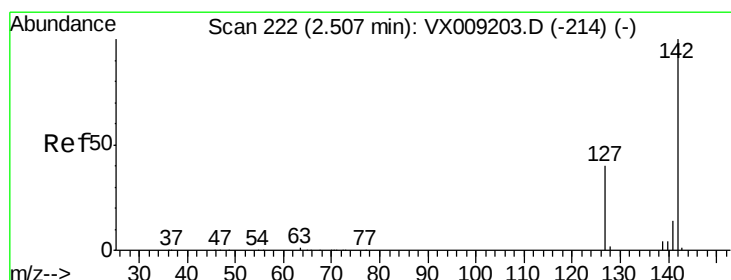
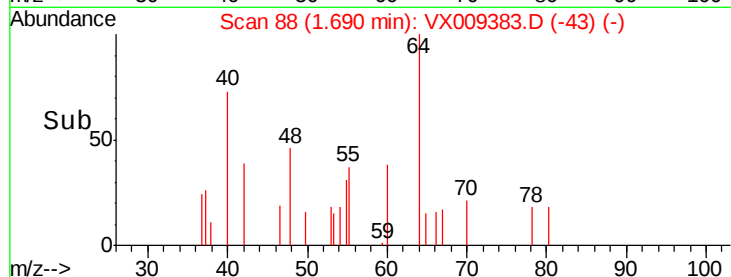
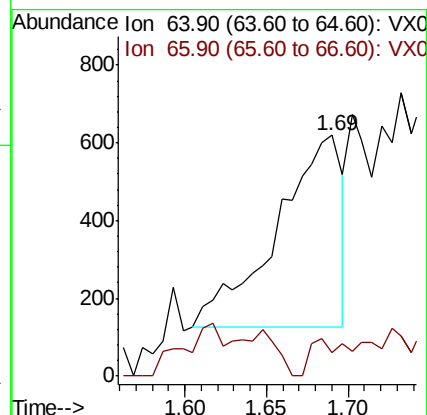
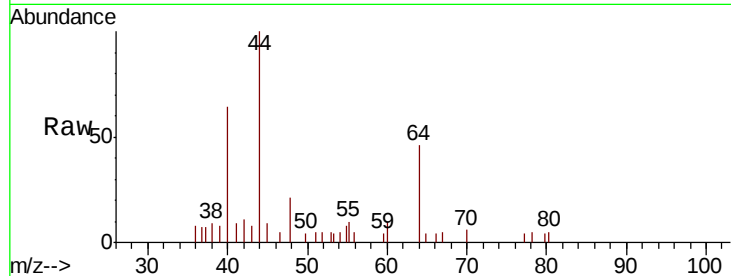
B-5-GW

Tot Ion: 64 Resp: 1375

Ion Ratio Lower Upper

64 100

66 0.0 25.3 37.9#



#10

Methyl Iodide

Concen: 4.626 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX009383.D

Acq: 07 May 2019 17:41

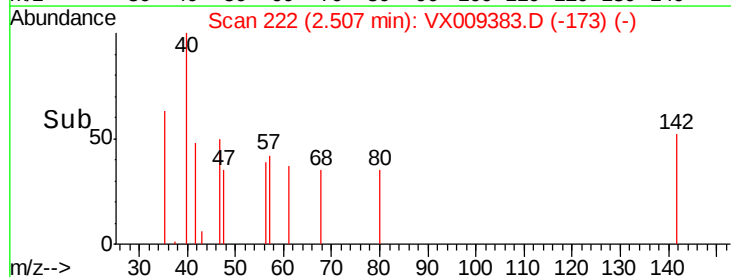
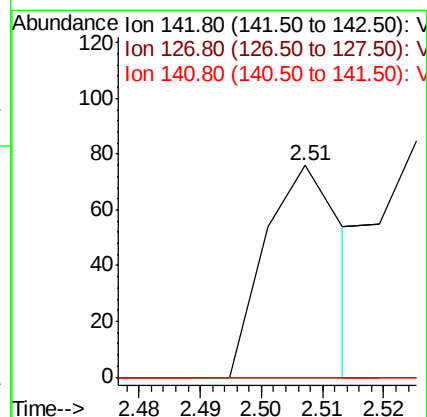
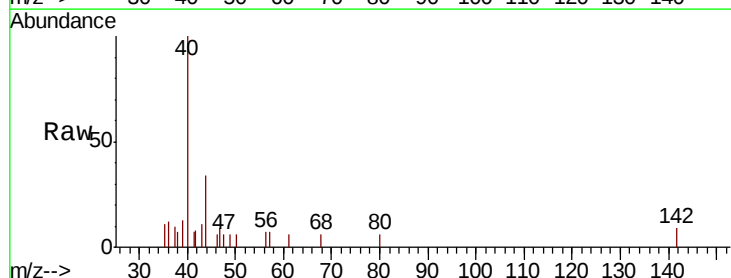
Tgt Ion: 142 Resp: 67

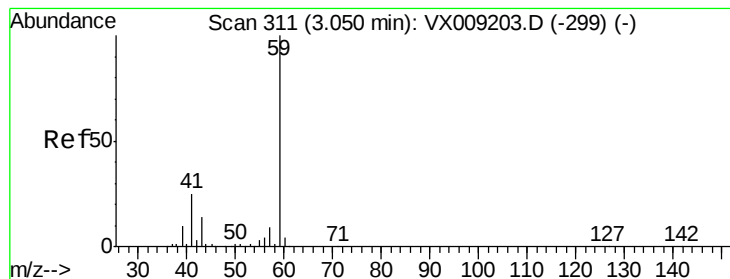
Ion Ratio Lower Upper

142 100

127 0.0 32.7 49.1#

141 0.0 11.5 17.3#



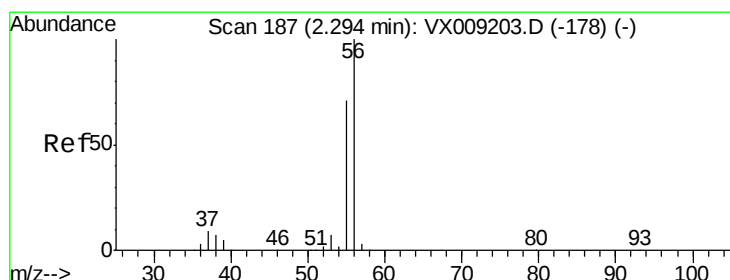
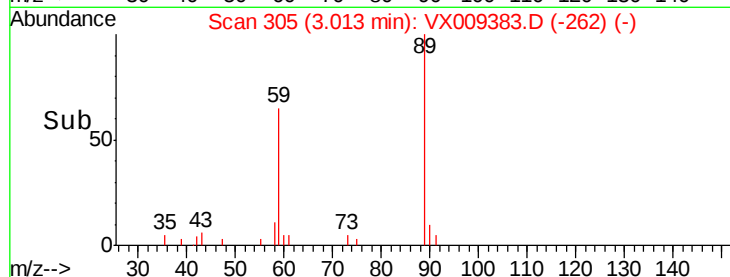
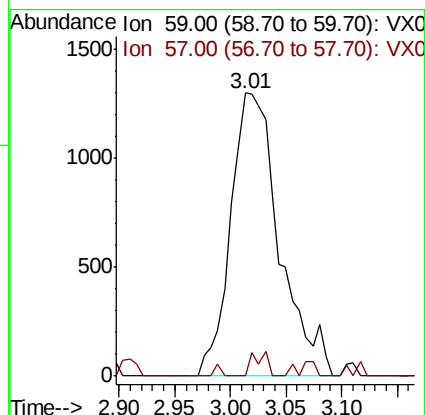
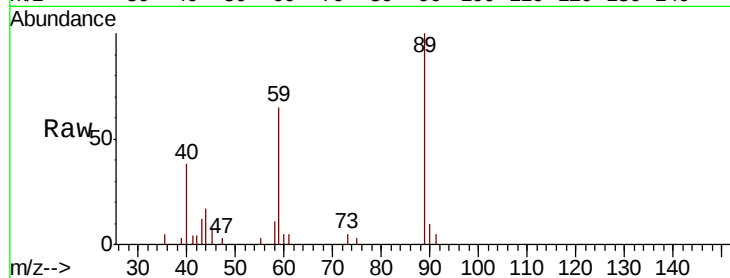


#11

Tert butyl alcohol
 Concen: 7.198 ug/l
 RT: 3.01 min Scan# 305
 Delta R.T. -0.04 min
 Lab File: VX009383.D
 Acq: 07 May 2019 17:41

Instrument :
 MSVOA_X
 ClientSampled :
 B-5-GW

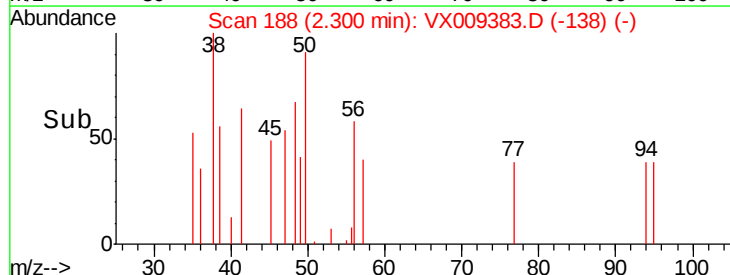
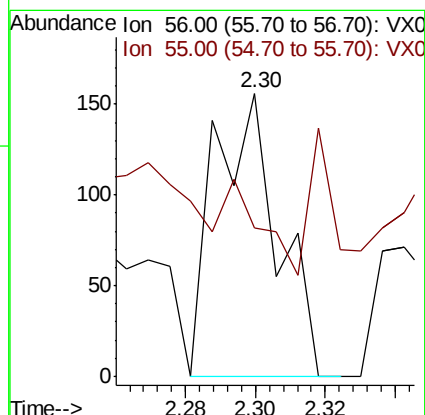
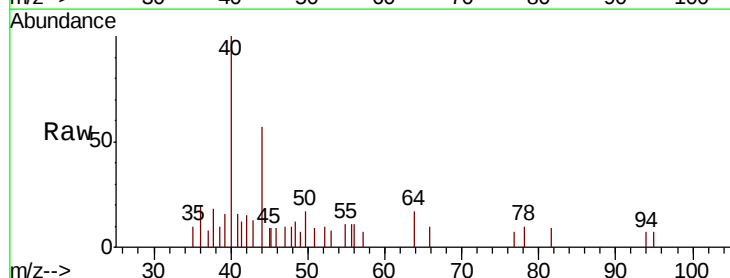
Tot Ion: 59 Resp: 3955
 Ion Ratio Lower Upper
 59 100
 57 2.6 8.2 12.2#

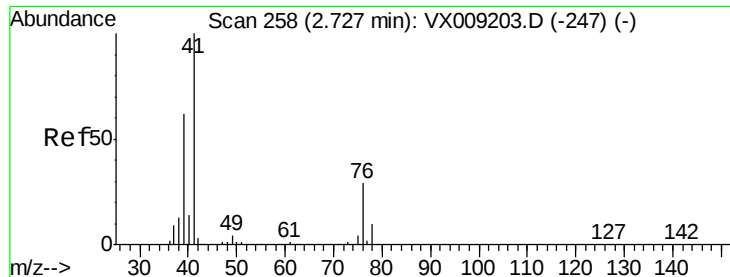


#13

Acrolein
 Concen: 0.394 ug/l
 RT: 2.30 min Scan# 188
 Delta R.T. 0.01 min
 Lab File: VX009383.D
 Acq: 07 May 2019 17:41

Tgt Ion: 56 Resp: 196
 Ion Ratio Lower Upper
 56 100
 55 51.5 56.6 85.0#

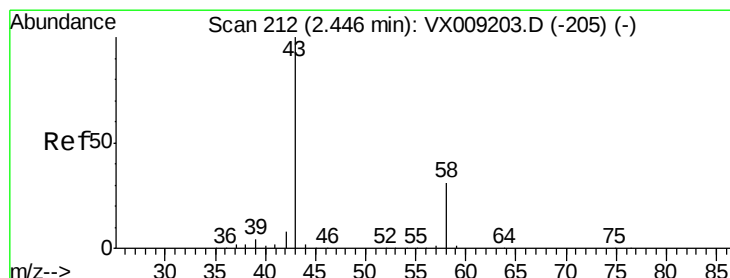
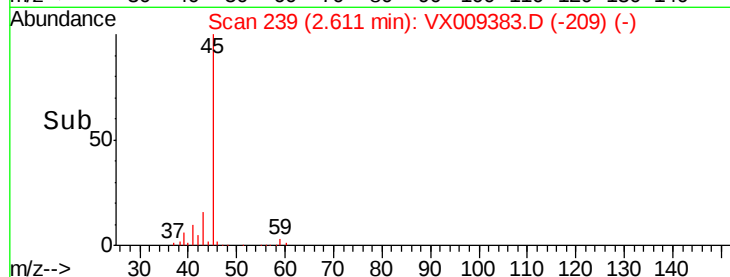
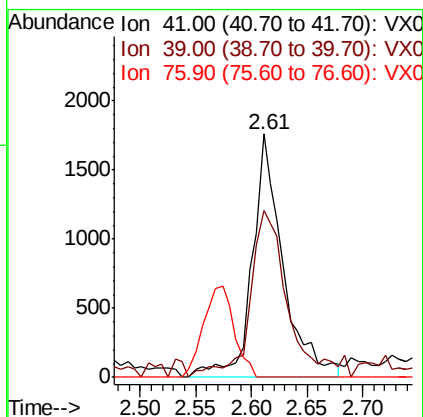
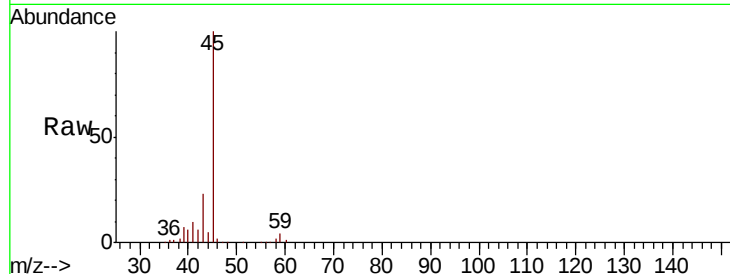




#14
Allvl chloride
Concen: 0.858 ug/l
RT: 2.61 min Scan# 239
Delta R.T. -0.12 min
Lab File: VX009383.D
Acq: 07 May 2019 17:41

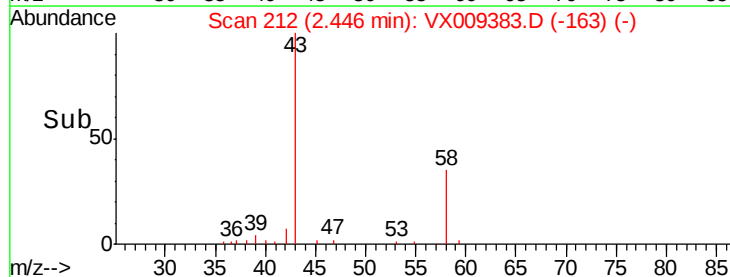
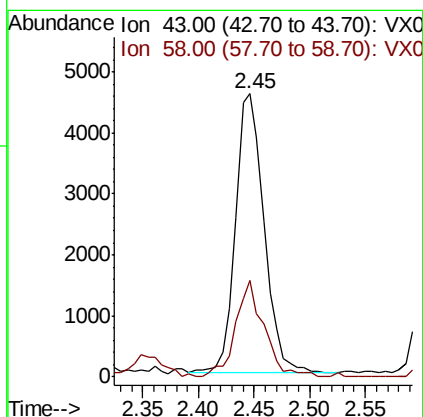
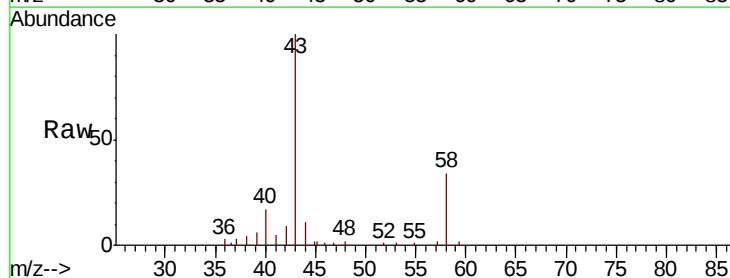
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MSVOA_X
ClientSampleId :
B-5-GW

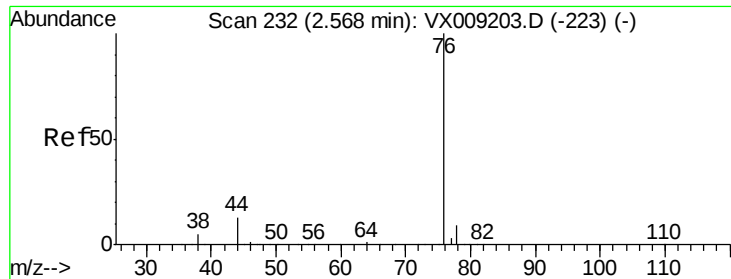
Tot Ion: 41 Resp: 3410
Ion Ratio Lower Upper
41 100
39 82.5 46.7 70.1#
76 0.0 21.8 32.8#



#16
Acetone
Concen: 6.386 ug/l
RT: 2.45 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX009383.D
Acq: 07 May 2019 17:41

Tgt Ion: 43 Resp: 8140
Ion Ratio Lower Upper
43 100
58 33.5 24.9 37.3

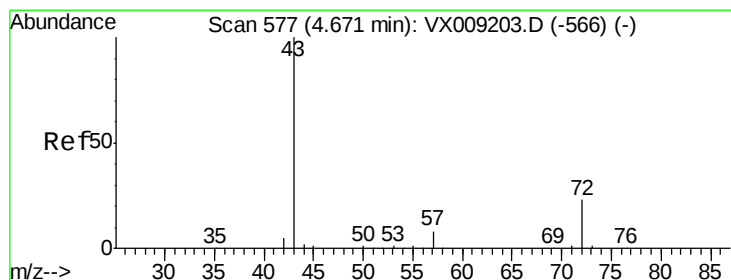
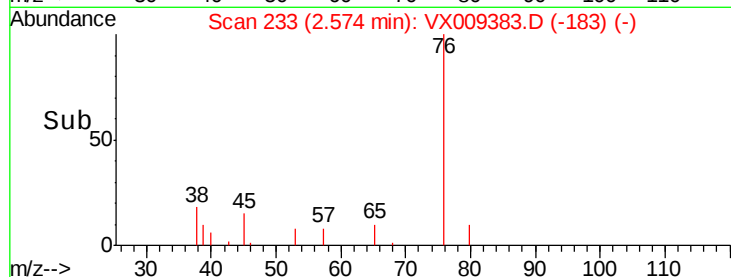
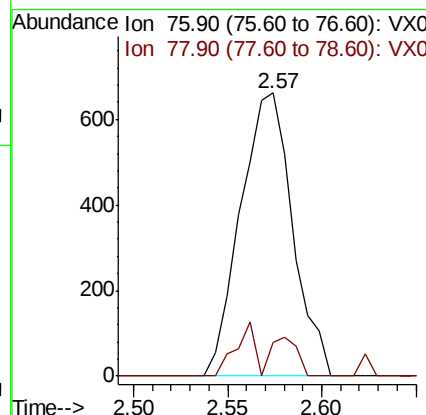
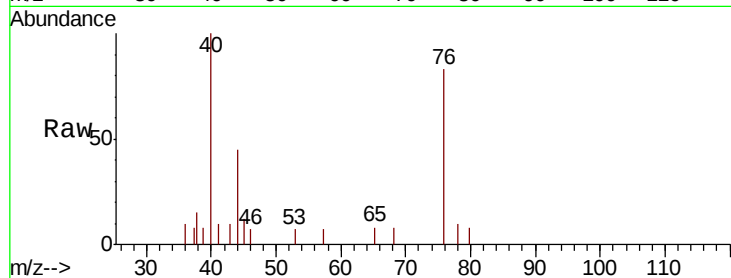




#17
Carbon Disulfide
Concen: 0.277 ug/l
RT: 2.57 min Scan# 233
Delta R.T. 0.01 min
Lab File: VX009383.D
Acq: 07 May 2019 17:41

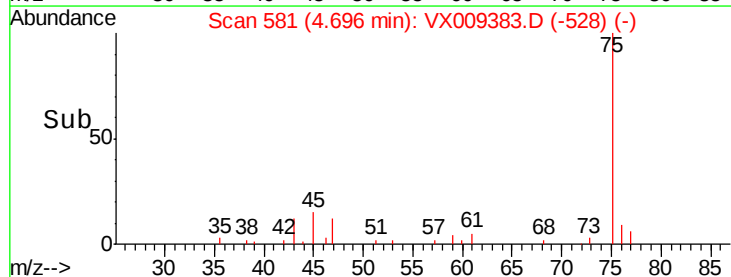
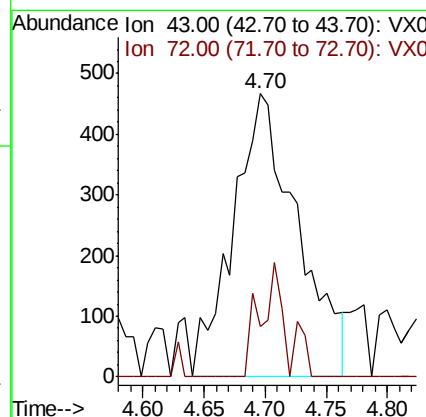
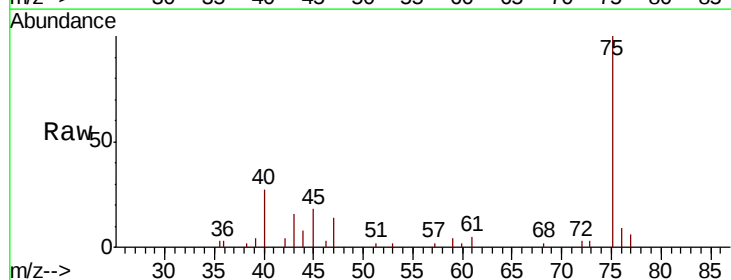
Instrument :
MSVOA_X
ClientSampleId :
B-5-GW

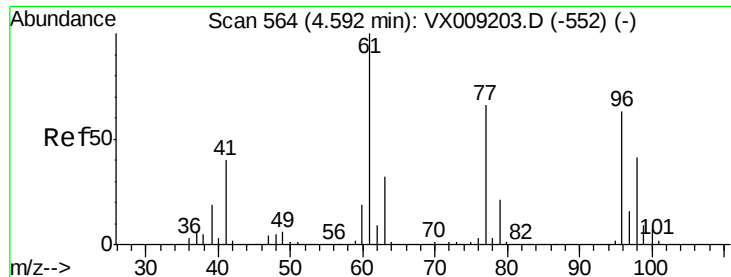
Tot Ion: 76 Resp: 1267
Ion Ratio Lower Upper
76 100
78 11.9 7.4 11.0#



#25
2-Butanone
Concen: 0.863 ug/l
RT: 4.70 min Scan# 581
Delta R.T. 0.02 min
Lab File: VX009383.D
Acq: 07 May 2019 17:41

Tgt Ion: 43 Resp: 1709
Ion Ratio Lower Upper
43 100
72 18.0 18.2 27.2#





#27

cis-1,2-Dichloroethene

Concen: 2.025 ug/l

RT: 4.60 min Scan# 565

Delta R.T. 0.01 min

Lab File: VX009383.D

Acq: 07 May 2019 17:41

Instrument :

MSVOA_X

ClientSampleId :

B-5-GW

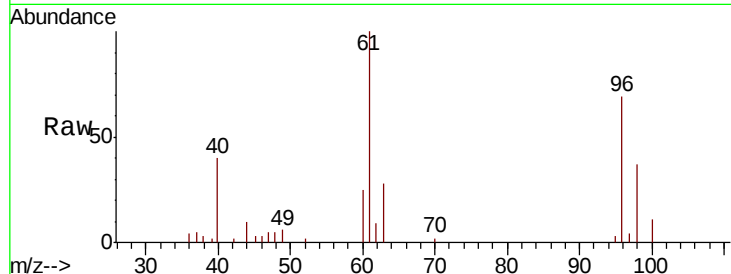
Tot Ion: 96 Resp: 4277

Ion Ratio Lower Upper

96 100

61 143.0 0.0 324.0

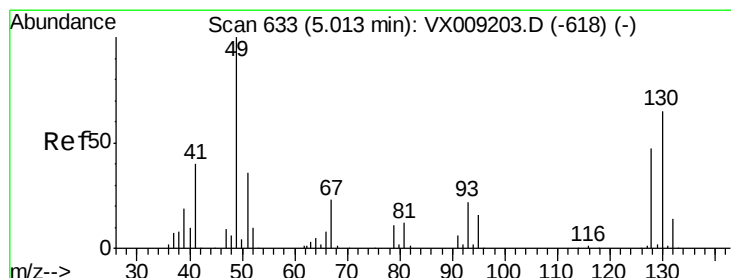
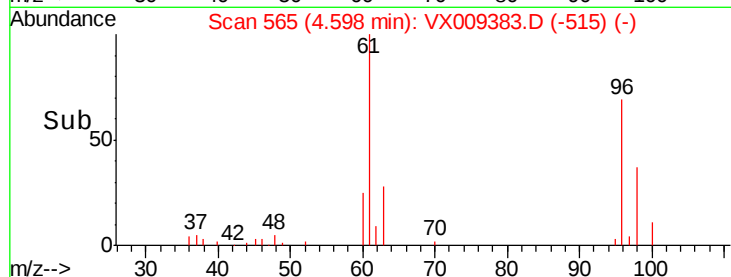
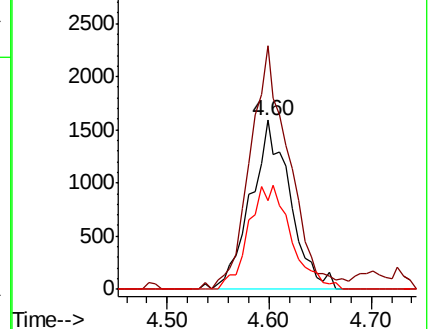
98 66.2 0.0 130.4



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#28

Bromochloromethane

Concen: Below Cal

RT: 4.98 min Scan# 627

Delta R.T. -0.04 min

Lab File: VX009383.D

Acq: 07 May 2019 17:41

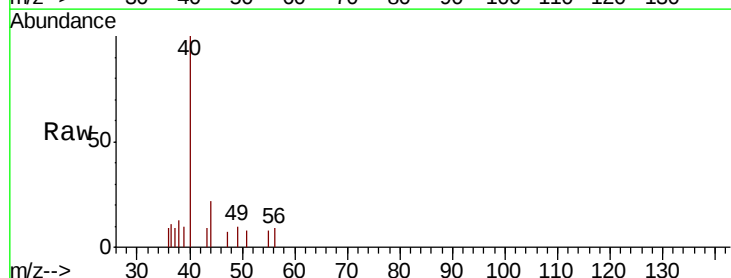
Tgt Ion: 49 Resp: 86

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

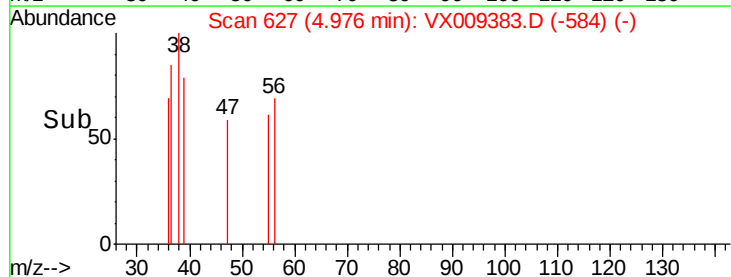
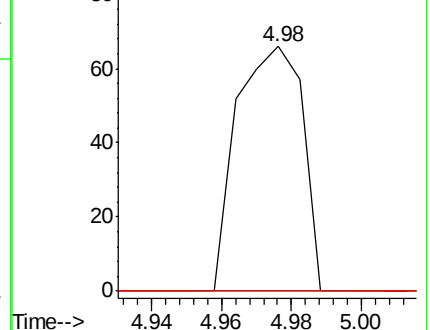
130 0.0 51.2 76.8#

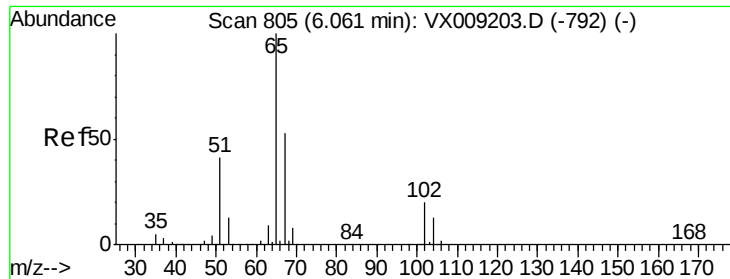


Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#33

1,2-Dichloroethane-d4

Concen: 48.267 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.01 min

Lab File: VX009383.D

Acq: 07 May 2019 17:41

Instrument :

MSVOA_X

ClientSampleId :

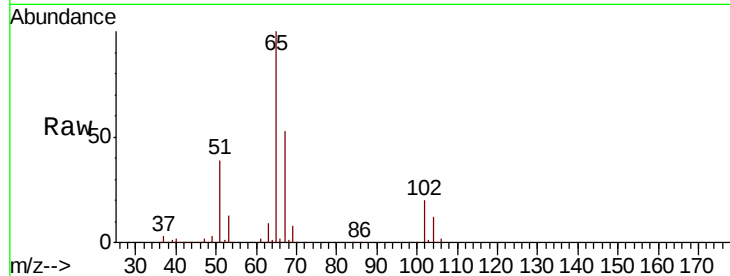
B-5-GW

Tot Ion: 65 Resp: 114570

Ion Ratio Lower Upper

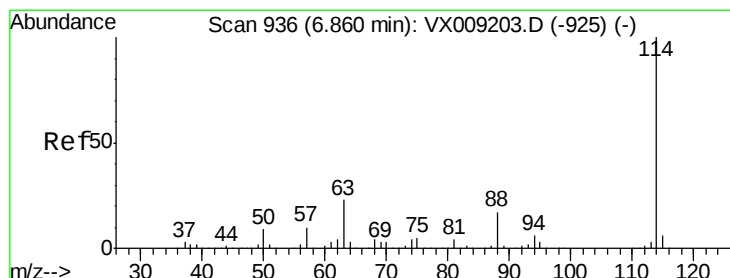
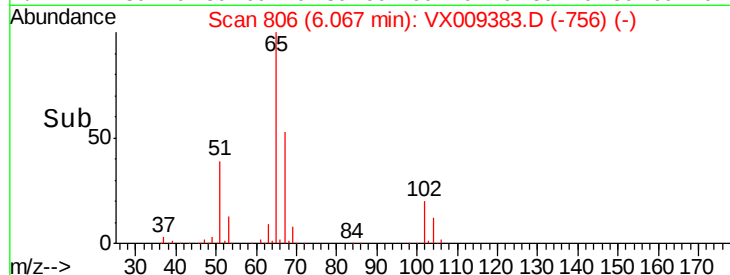
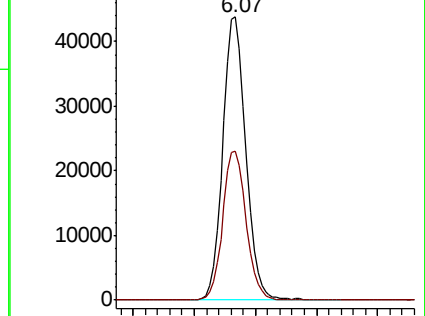
65 100

67 53.4 0.0 106.6



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: VX009383.D

Acq: 07 May 2019 17:41

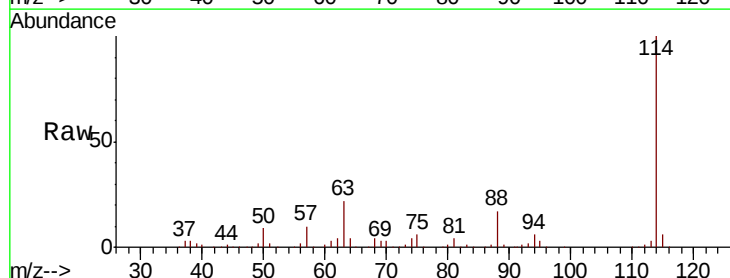
Tgt Ion: 114 Resp: 277875

Ion Ratio Lower Upper

114 100

63 22.1 0.0 45.6

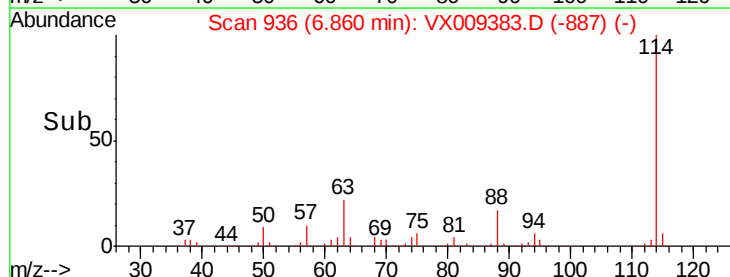
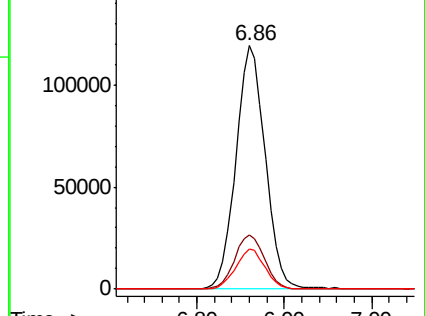
88 16.6 0.0 33.2

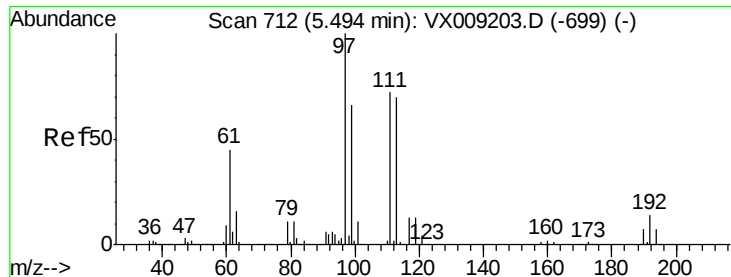


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

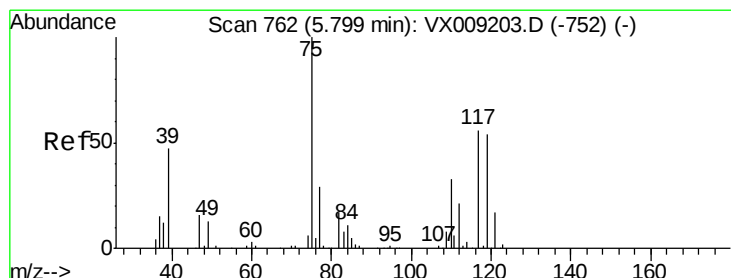
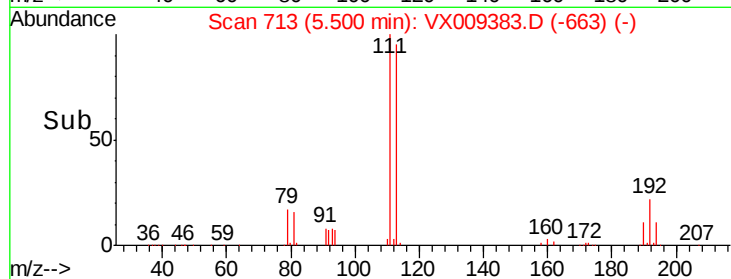
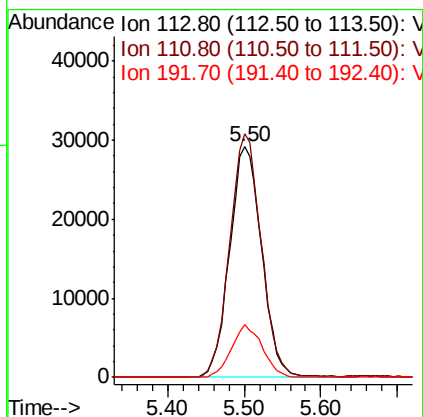
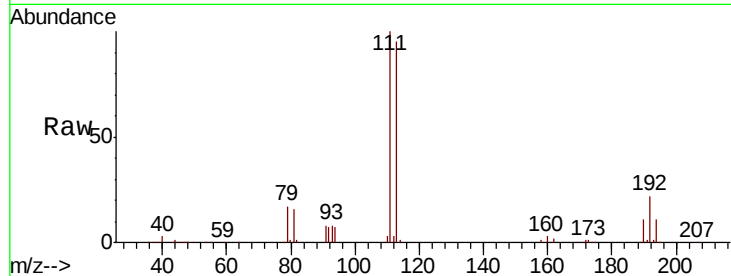




#35
 Dibromofluoromethane
 Concen: 48.443 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX009383.D
 Acq: 07 May 2019 17:41

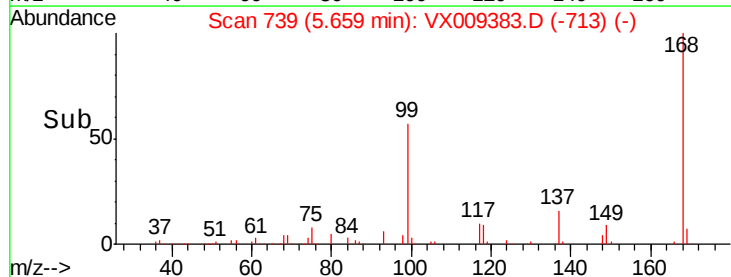
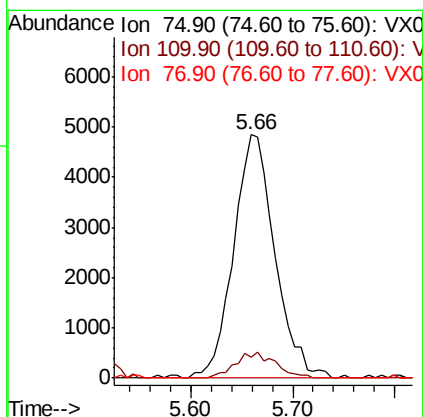
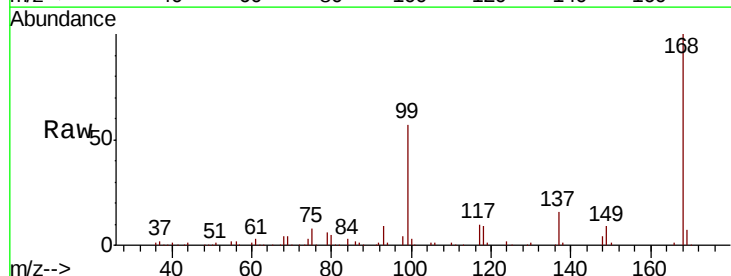
Instrument :
 MSVOA_X
 ClientSampleId :
 B-5-GW

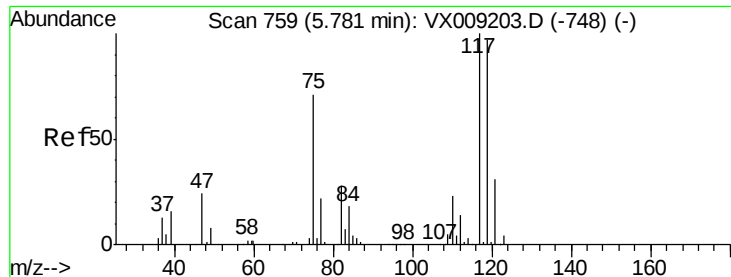
Tot Ion:113 Resp: 84621
 Ion Ratio Lower Upper
 113 100
 111 103.7 82.8 124.2
 192 21.8 17.0 25.6



#36
 1,1-Dichloropropene
 Concen: 5.265 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX009383.D
 Acq: 07 May 2019 17:41

Tgt Ion: 75 Resp: 13596
 Ion Ratio Lower Upper
 75 100
 110 10.2 16.9 50.6#
 77 0.0 24.8 37.2#





#38

Carbon Tetrachloride

Concen: 6.984 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX009383.D

Acq: 07 May 2019 17:41

Instrument :

MSVOA_X

ClientSampleId :

B-5-GW

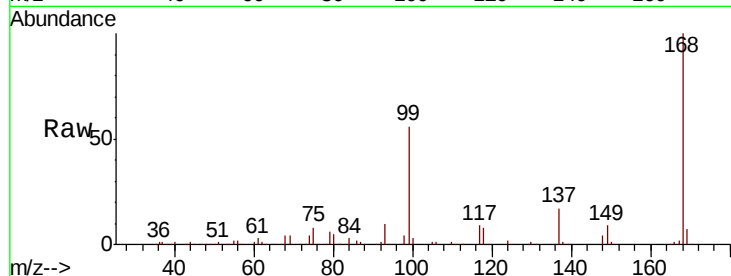
Tot Ion:117 Resp: 16385

Ion Ratio Lower Upper

117 100

119 4.8 77.5 116.3#

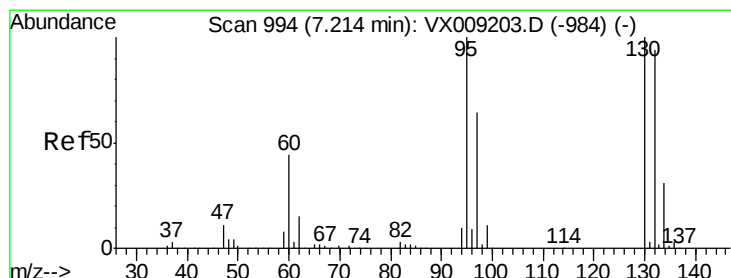
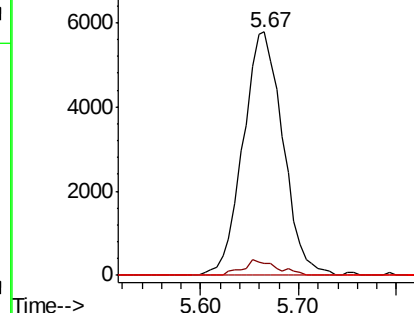
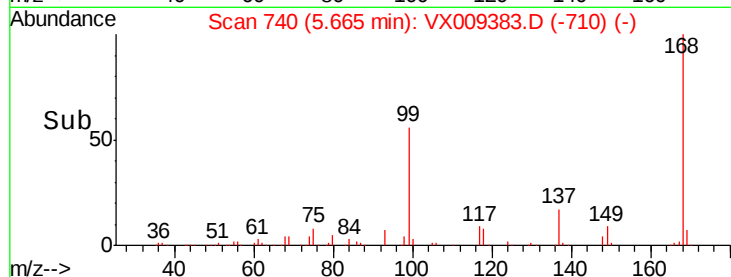
121 0.0 24.7 37.1#



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



#44

Trichloroethene

Concen: 1.633 ug/l

RT: 7.22 min Scan# 995

Delta R.T. 0.01 min

Lab File: VX009383.D

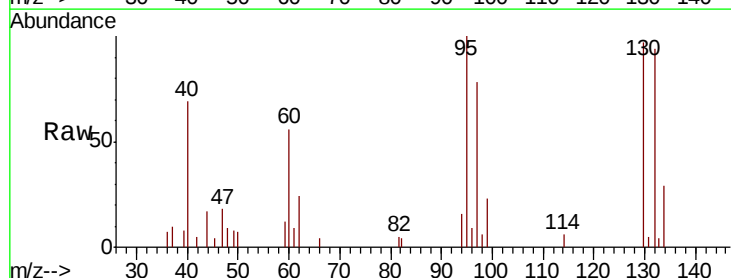
Acq: 07 May 2019 17:41

Tgt Ion:130 Resp: 3155

Ion Ratio Lower Upper

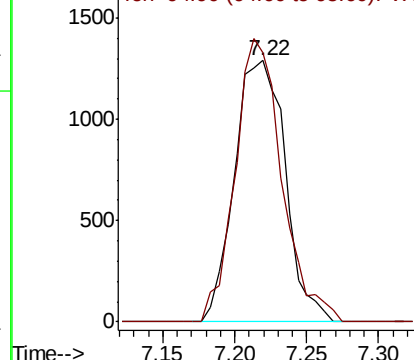
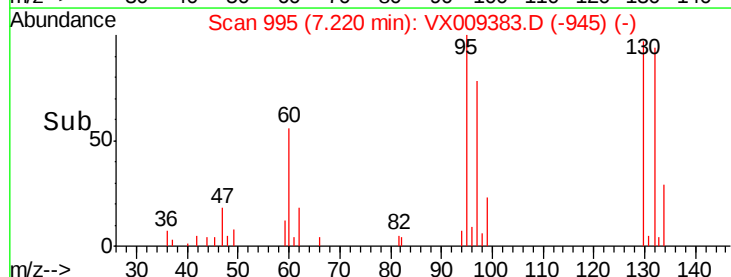
130 100

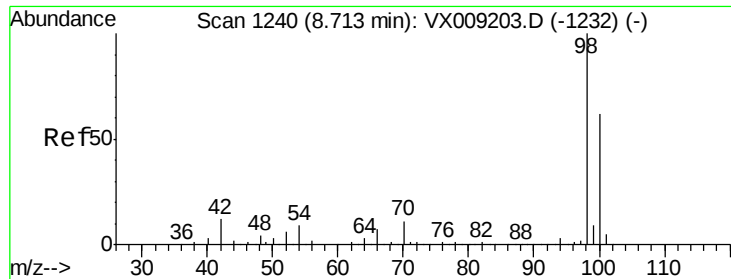
95 103.0 0.0 199.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#50

Toluene-d8

Concen: 48.713 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX009383.D

Acq: 07 May 2019 17:41

Instrument :

MSVOA_X

ClientSampleId :

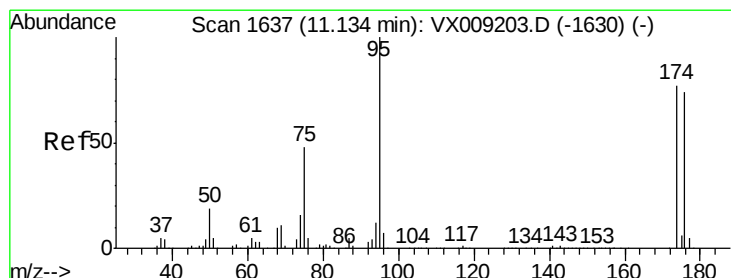
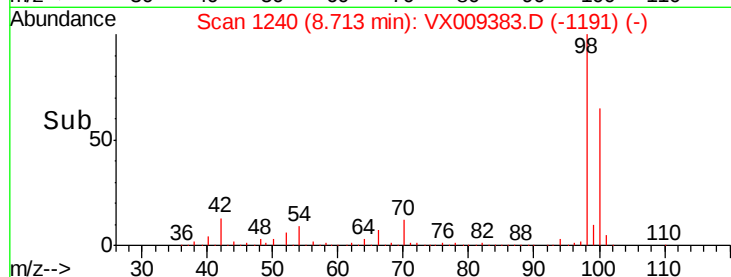
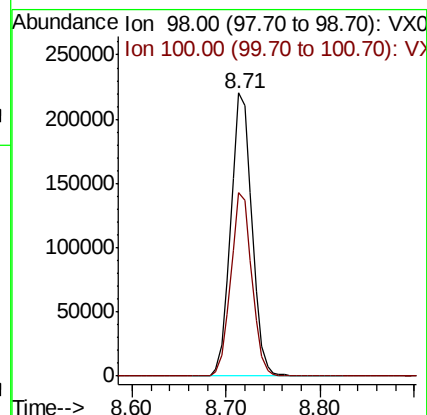
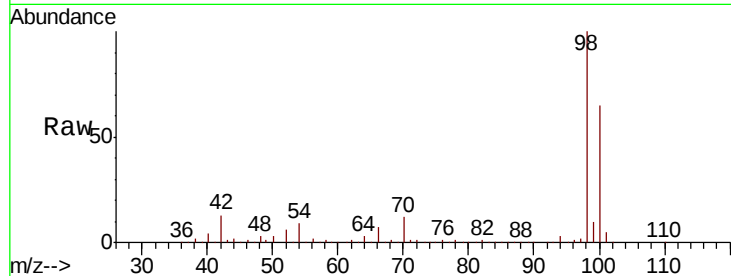
B-5-GW

Tot Ion: 98 Resp: 343546

Ion Ratio Lower Upper

98 100

100 64.5 51.2 76.8



#62

4-Bromofluorobenzene

Concen: 41.760 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009383.D

Acq: 07 May 2019 17:41

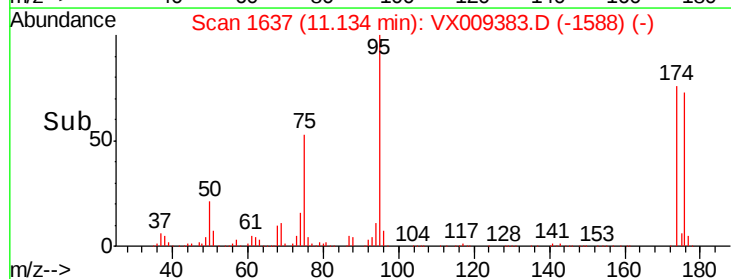
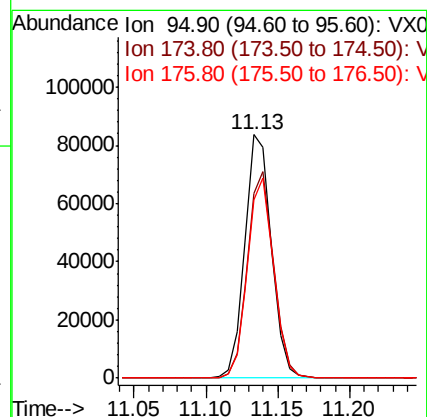
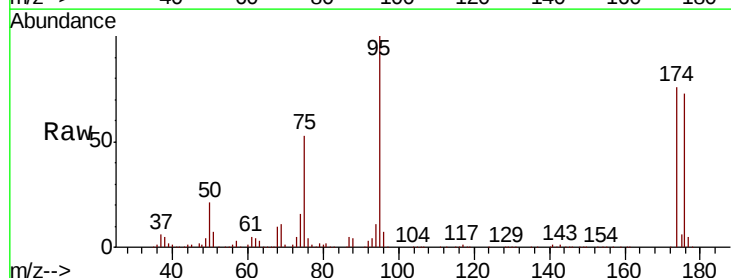
Tgt Ion: 95 Resp: 107013

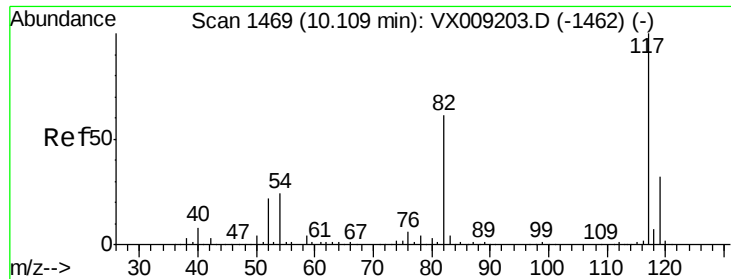
Ion Ratio Lower Upper

95 100

174 83.5 0.0 161.6

176 81.2 0.0 159.2

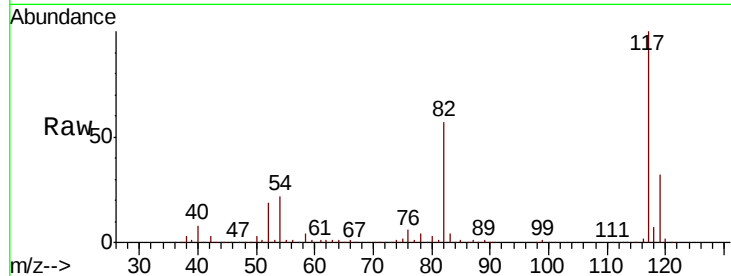




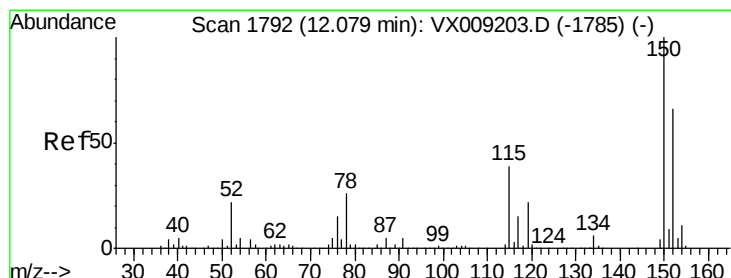
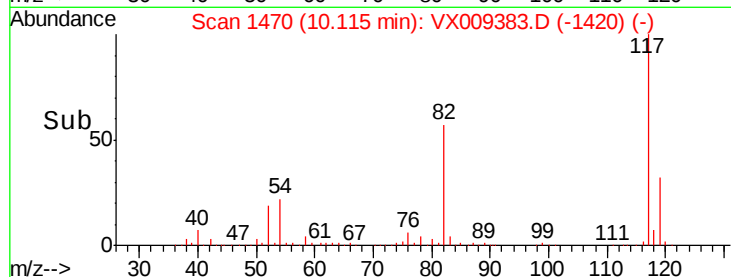
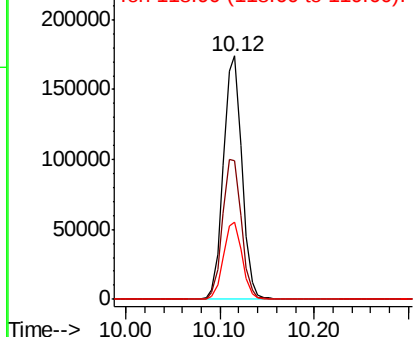
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX009383.D
Acq: 07 May 2019 17:41

Instrument :
MSVOA_X
ClientSampled :
B-5-GW

Tot Ion:117 Resp: 237515
Ion Ratio Lower Upper
117 100
82 56.9 48.8 73.2
119 31.8 25.8 38.6

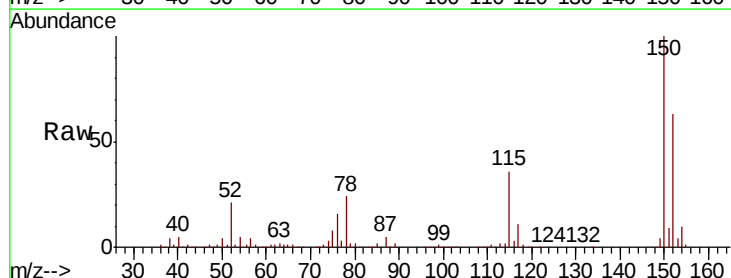


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

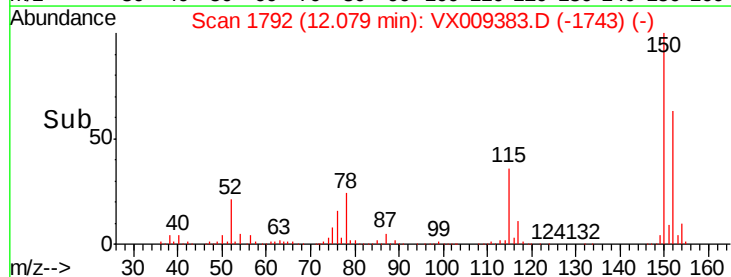
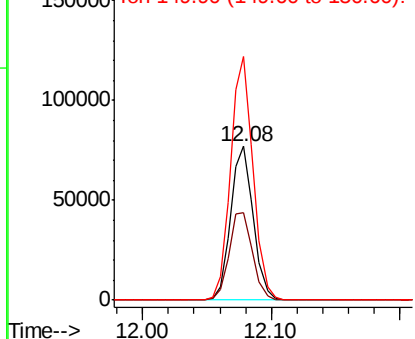


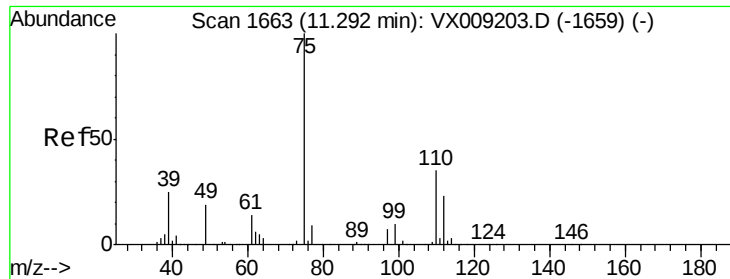
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX009383.D
Acq: 07 May 2019 17:41

Tgt Ion:152 Resp: 94054
Ion Ratio Lower Upper
152 100
115 59.8 41.2 123.6
150 158.0 0.0 346.4



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

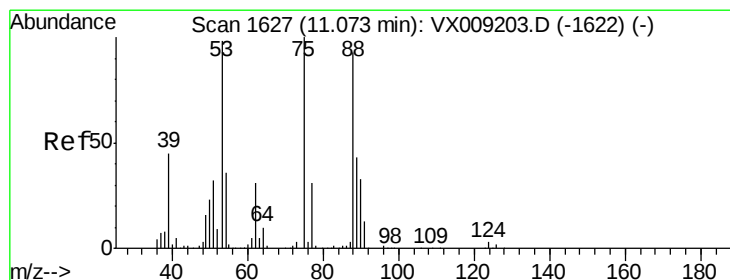
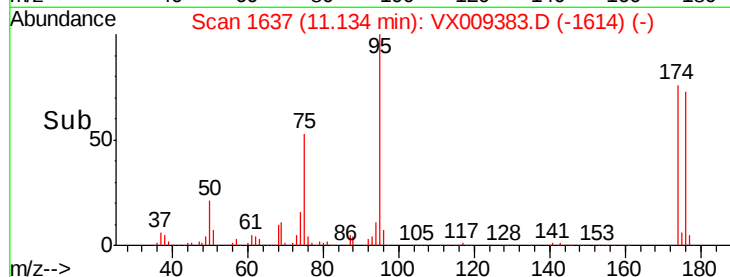
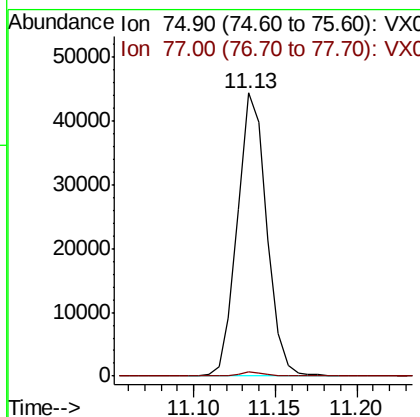
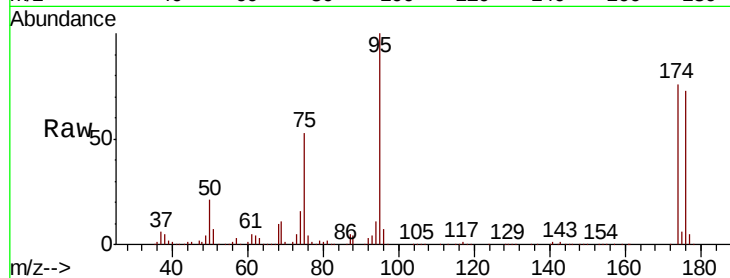




#76
 1,2,3-Trichloropropane
 Concen: 25.532 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX009383.D
 Acq: 07 May 2019 17:41

Instrument :
 MSVOA_X
 ClientSampleId :
 B-5-GW

Tot Ion: 75 Resp: 55703
 Ion Ratio Lower Upper
 75 100
 77 1.6 22.1 66.1#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 65.327 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX009383.D
 Acq: 07 May 2019 17:41

Tgt Ion: 75 Resp: 55703
 Ion Ratio Lower Upper
 75 100
 53 0.2 79.0 118.6#
 89 0.0 34.7 52.1#

