

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050719\
 Data File : VX009384.D
 Acq On : 07 May 2019 18:05
 Operator : JC/SP
 Sample : K2729-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 B-1-GW

Quant Time: May 08 02:16:59 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	170153	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	269009	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	234748	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	96164	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	111227	47.89	ug/l	0.00
Spiked Amount			Recovery	=	95.78%	
35) Dibromofluoromethane	5.50	113	83782	49.54	ug/l	0.00
Spiked Amount			Recovery	=	99.08%	
50) Toluene-d8	8.71	98	338314	49.55	ug/l	0.00
Spiked Amount			Recovery	=	99.10%	
62) 4-Bromofluorobenzene	11.13	95	108528	43.75	ug/l	0.00
Spiked Amount			Recovery	=	87.50%	

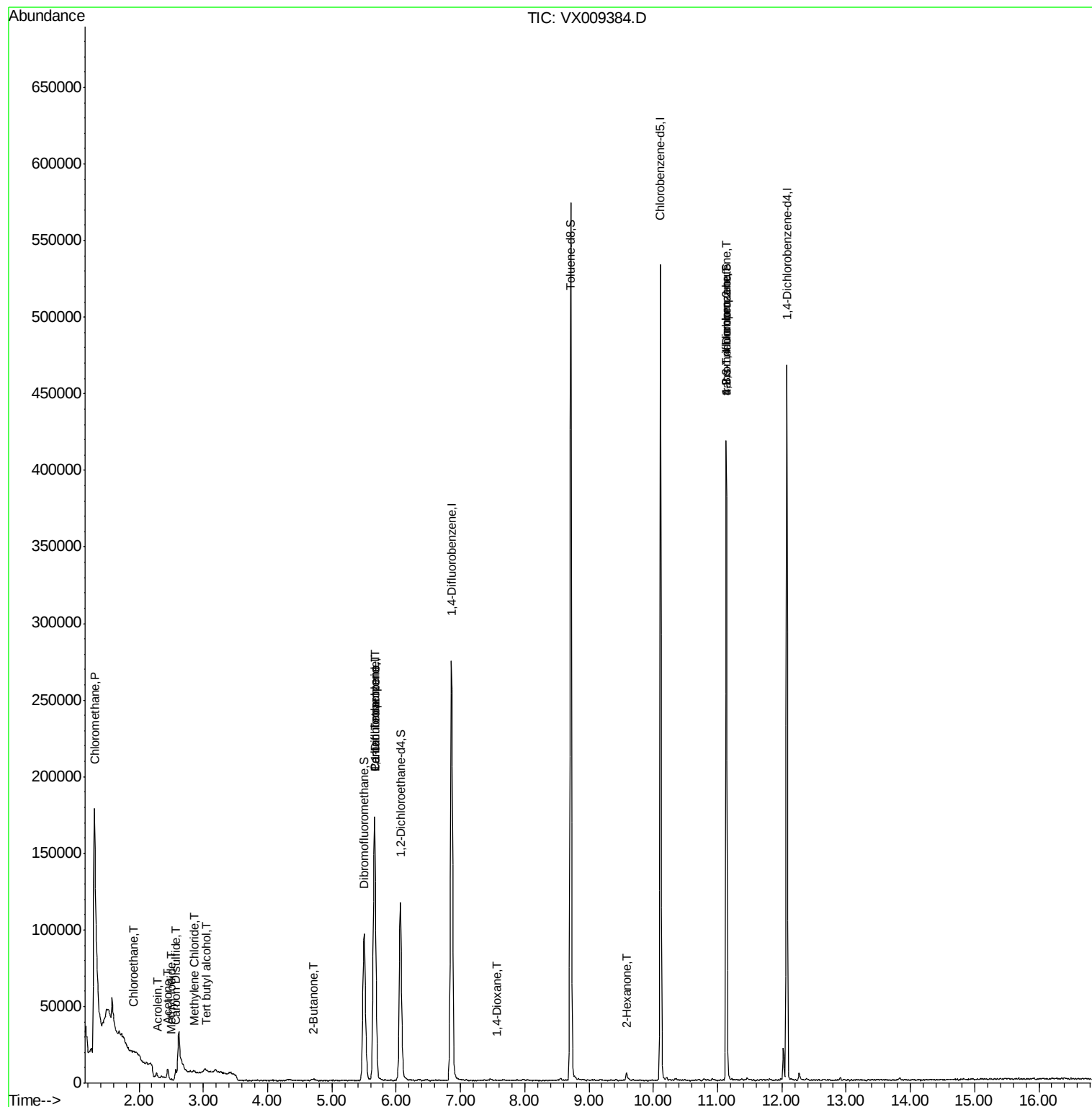
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	8738	4.082	ug/l #	42
6) Chloroethane	1.91	64	930	0.694	ug/l #	44
10) Methyl Iodide	2.51	142	110	4.648	ug/l #	84
11) Tert butyl alcohol	3.04	59	643	1.196	ug/l	96
13) Acrolein	2.29	56	264	0.542	ug/l	91
16) Acetone	2.45	43	8380	6.719	ug/l	93
17) Carbon Disulfide	2.57	76	9792	2.185	ug/l	100
20) Methylene Chloride	2.87	84	665	0.329	ug/l #	61
25) 2-Butanone	4.70	43	1167	0.602	ug/l	98
28) Bromochloromethane	5.00	49	63	Below Cal	#	20
36) 1,1-Dichloropropene	5.66	75	13180	5.272	ug/l #	48
38) Carbon Tetrachloride	5.67	117	15198	6.691	ug/l #	17
49) 1,4-Dioxane	7.56	88	22	0.392	ug/l #	1
59) 2-Hexanone	9.58	43	754	0.264	ug/l	68
76) 1,2,3-Trichloropropane	11.13	75	55208	24.750	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	55208	63.325	ug/l #	10

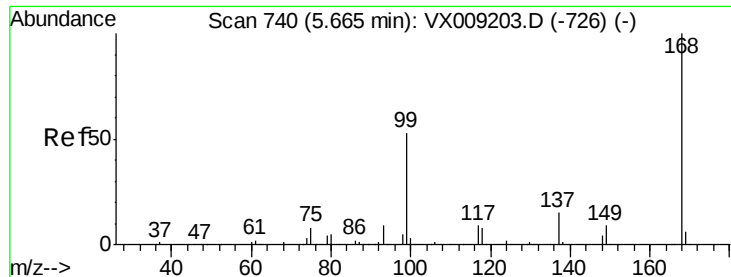
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX009384.D

Acq: 07 May 2019 18:05

Instrument :

MSVOA_X

ClientSampleId :

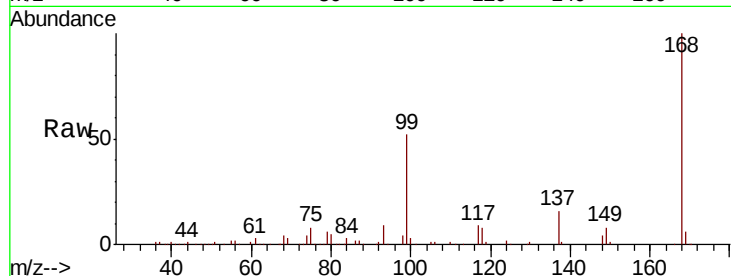
B-1-GW

Tot Ion:168 Resp: 170153

Ion Ratio Lower Upper

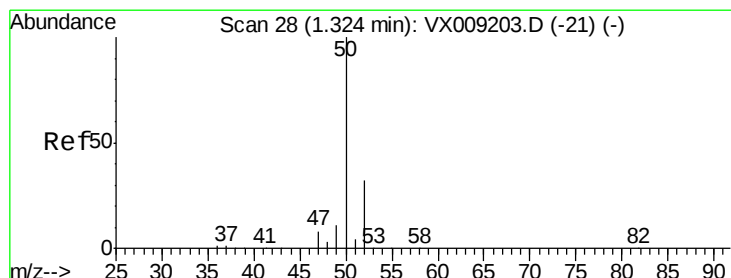
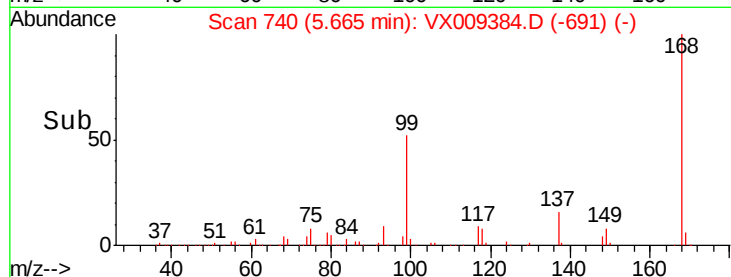
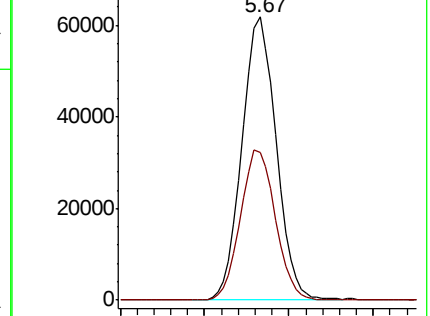
168 100

99 52.0 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: 4.082 ug/l

RT: 1.31 min Scan# 25

Delta R.T. -0.02 min

Lab File: VX009384.D

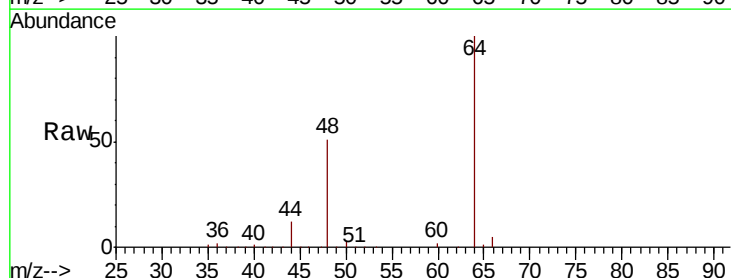
Acq: 07 May 2019 18:05

Tgt Ion: 50 Resp: 8738

Ion Ratio Lower Upper

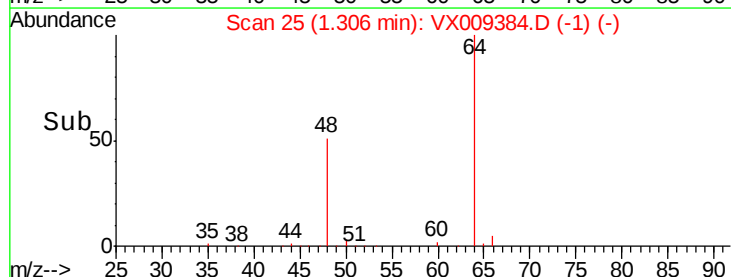
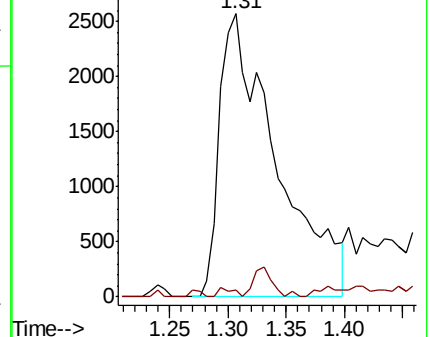
50 100

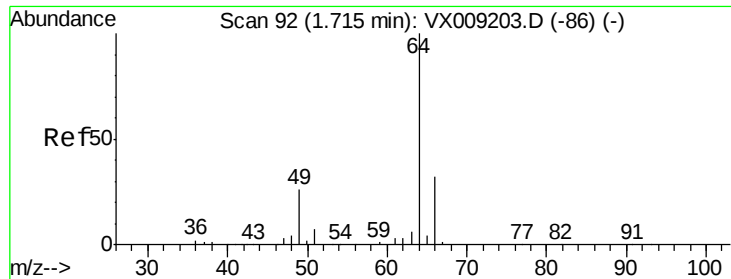
52 0.0 25.9 38.9#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#6

Chloroethane

Concen: 0.694 ug/l

RT: 1.91 min Scan# 124

Delta R.T. 0.20 min

Lab File: VX009384.D

Acq: 07 May 2019 18:05

Instrument :

MSVOA_X

ClientSampled :

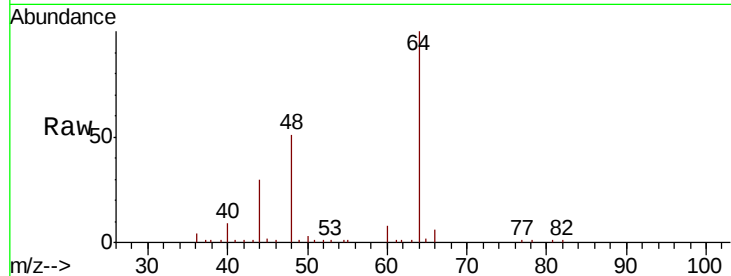
B-1-GW

Tot Ion: 64 Resp: 930

Ion Ratio Lower Upper

64 100

66 0.4 25.3 37.9#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.91

10000

8000

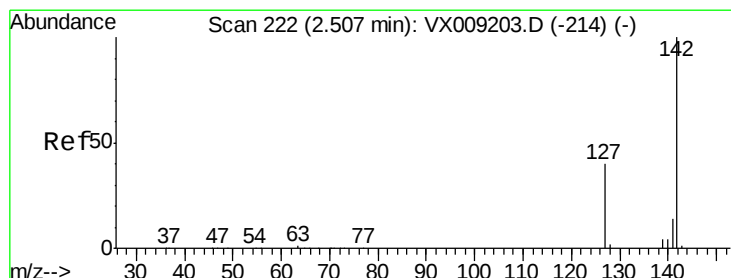
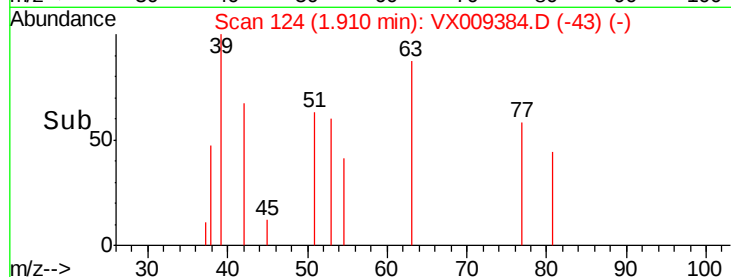
6000

4000

2000

0

Time-->



#10

Methyl Iodide

Concen: 4.648 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX009384.D

Acq: 07 May 2019 18:05

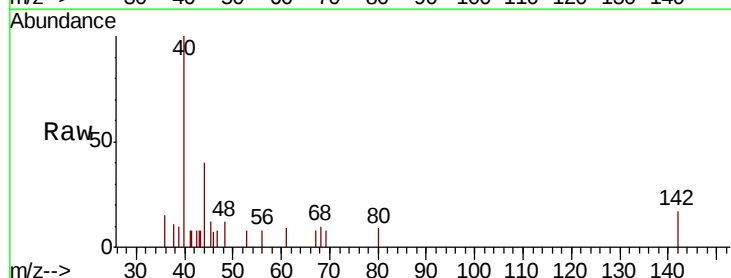
Tgt Ion: 142 Resp: 110

Ion Ratio Lower Upper

142 100

127 35.5 32.7 49.1

141 0.0 11.5 17.3#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

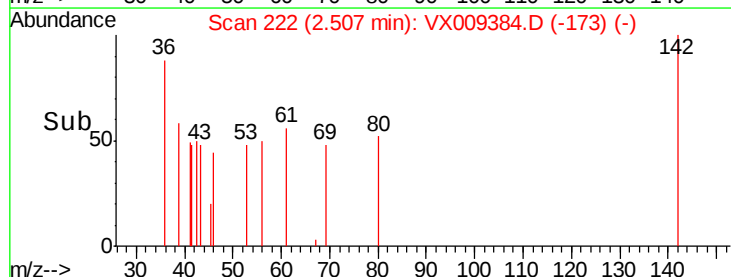
150

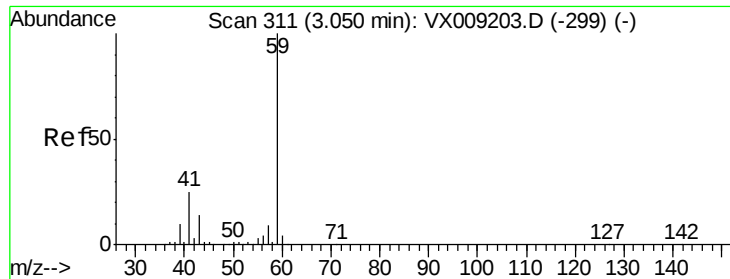
100

50

0

Time-->

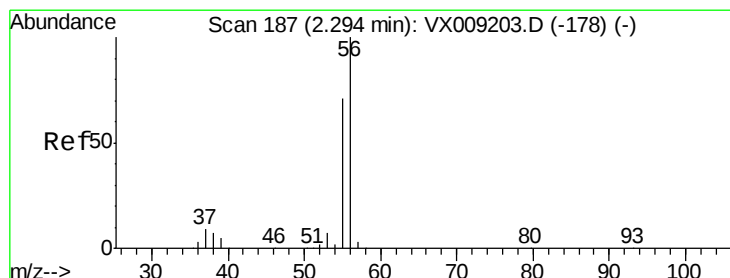
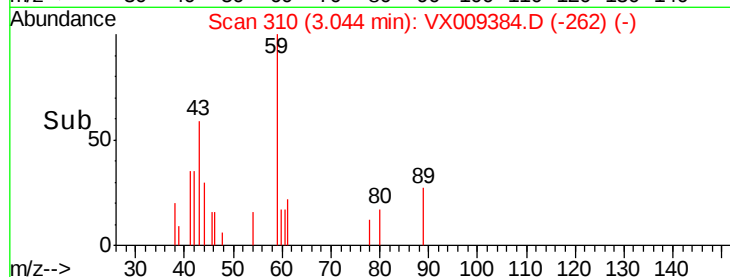
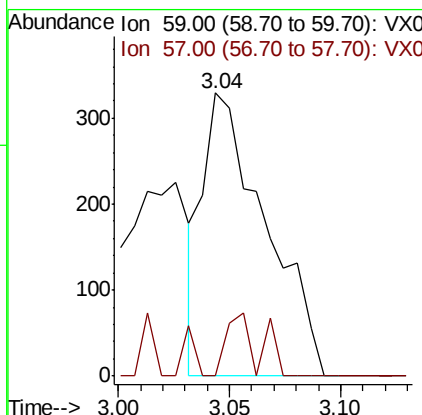
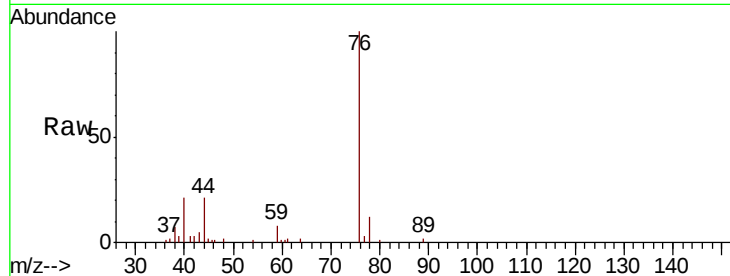




#11
Tert butyl alcohol
Concen: 1.196 ug/l
RT: 3.04 min Scan# 310
Delta R.T. -0.01 min
Lab File: VX009384.D
Acq: 07 May 2019 18:05

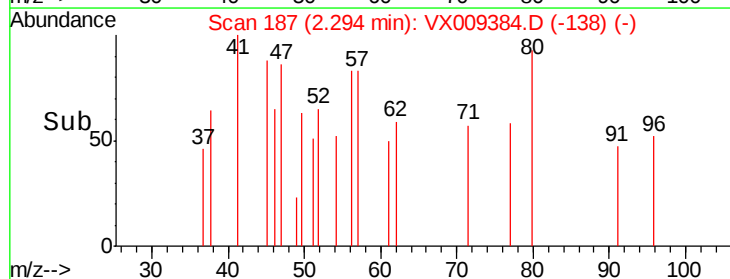
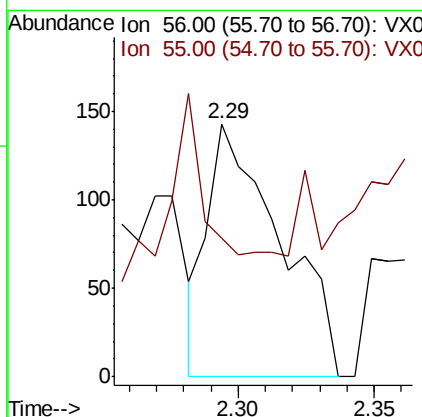
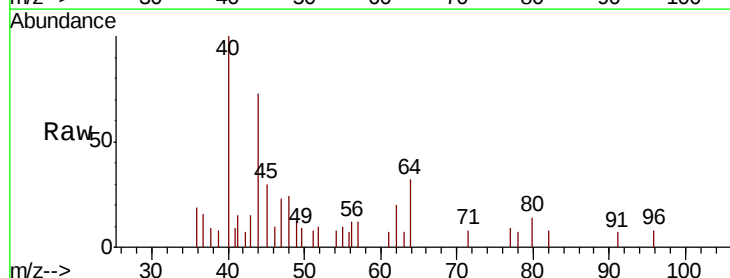
Instrument :
MSVOA_X
ClientSampled :
B-1-GW

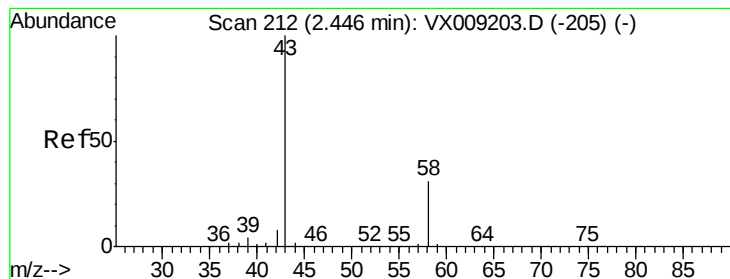
Tot Ion: 59 Resp: 643
Ion Ratio Lower Upper
59 100
57 11.5 8.2 12.2



#13
Acrolein
Concen: 0.542 ug/l
RT: 2.29 min Scan# 187
Delta R.T. 0.00 min
Lab File: VX009384.D
Acq: 07 May 2019 18:05

Tgt Ion: 56 Resp: 264
Ion Ratio Lower Upper
56 100
55 78.0 56.6 85.0





#16

Acetone

Concen: 6.719 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX009384.D

Acq: 07 May 2019 18:05

Instrument :

MSVOA_X

ClientSampled :

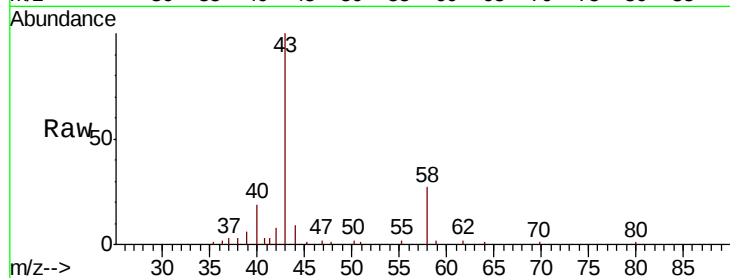
B-1-GW

Tot Ion: 43 Resp: 8380

Ion Ratio Lower Upper

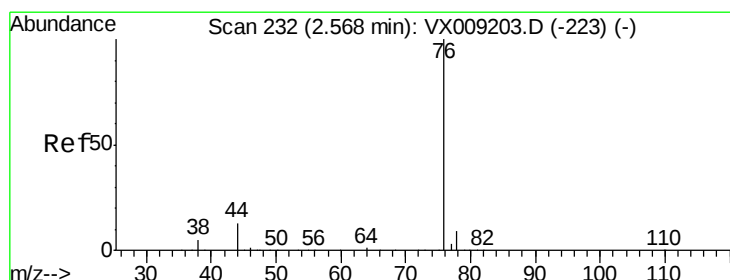
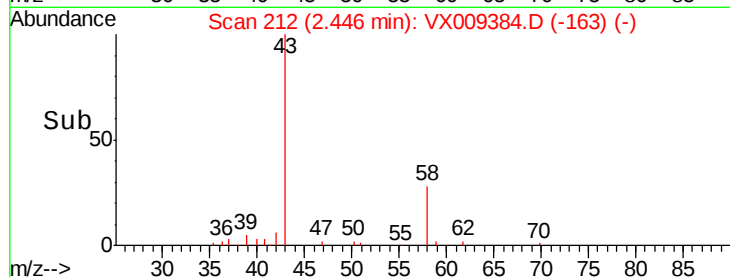
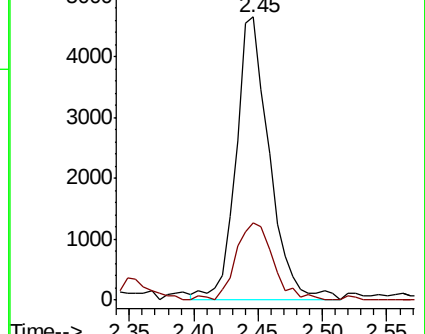
43 100

58 27.5 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: 2.185 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX009384.D

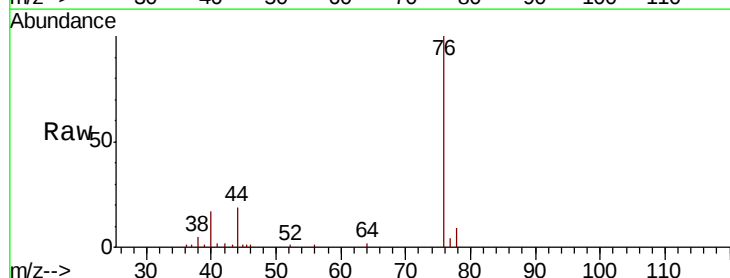
Acq: 07 May 2019 18:05

Tgt Ion: 76 Resp: 9792

Ion Ratio Lower Upper

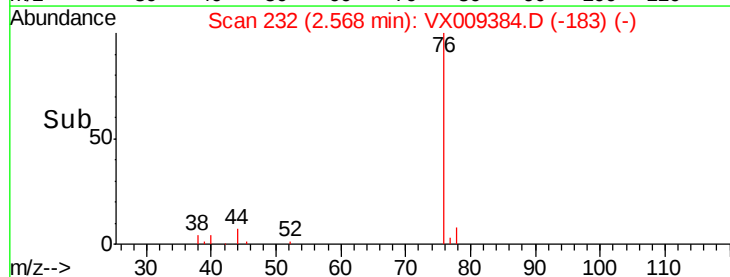
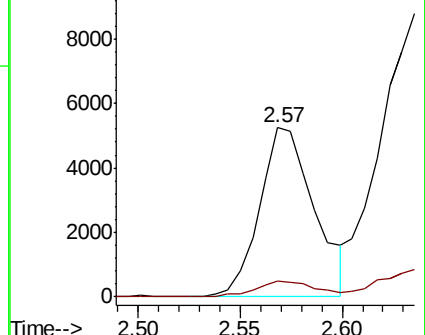
76 100

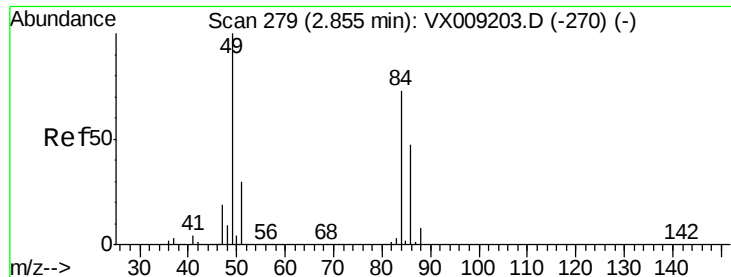
78 9.4 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

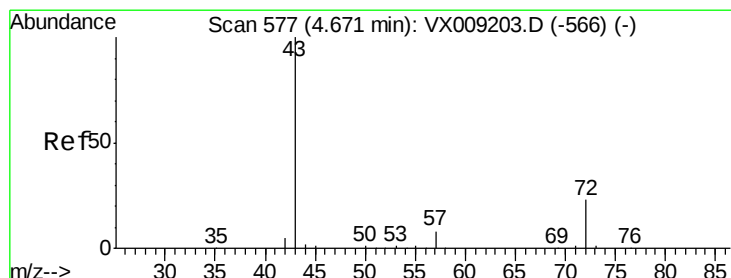
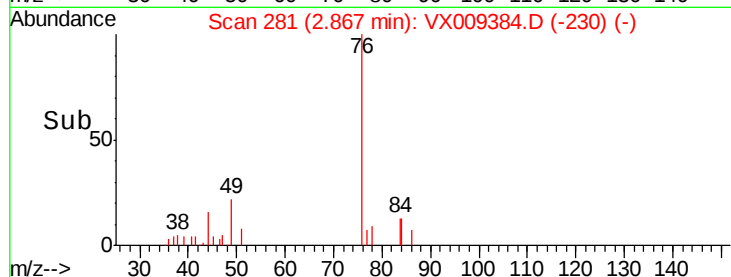
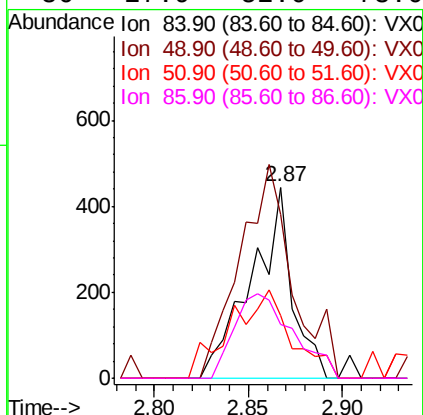
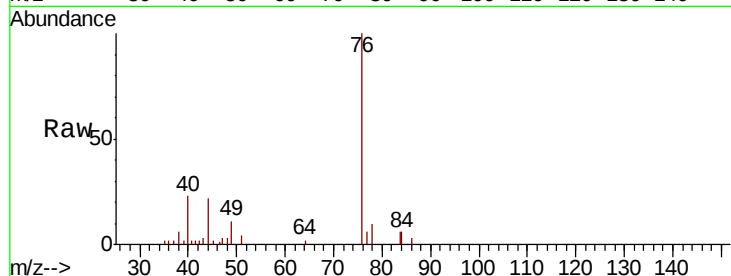




#20
Methvlene Chloride
Concen: 0.329 ug/l
RT: 2.87 min Scan# 281
Delta R.T. 0.01 min
Lab File: VX009384.D
Acq: 07 May 2019 18:05

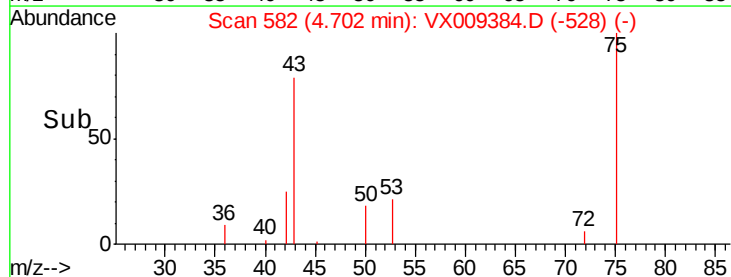
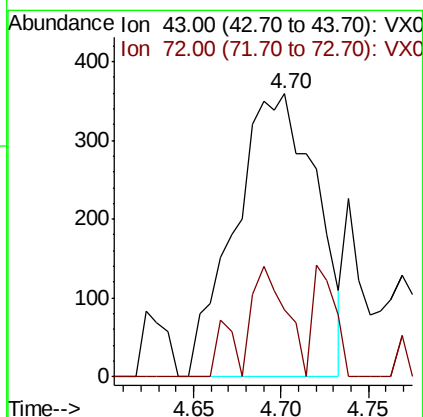
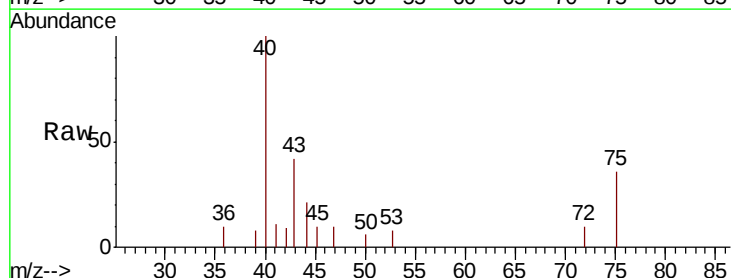
Instrument :
MSVOA_X
ClientSampleId :
B-1-GW

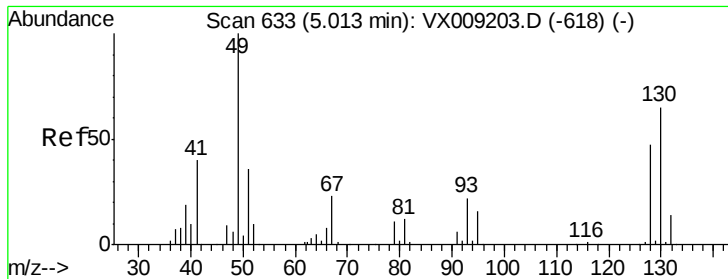
Tot Ion:	84	Resp:	665
Ion	Ratio	Lower	Upper
84	100		
49	85.6	109.9	164.9#
51	32.7	32.7	49.1#
86	27.9	52.0	78.0#



#25
2-Butanone
Concen: 0.602 ug/l
RT: 4.70 min Scan# 582
Delta R.T. 0.03 min
Lab File: VX009384.D
Acq: 07 May 2019 18:05

Tgt Ion:	43	Resp:	1167
Ion	Ratio	Lower	Upper
43	100		
72	23.7	18.2	27.2





#28

Bromochloromethane

Concen: Below Cal

RT: 5.00 min Scan# 631

Delta R.T. -0.01 min

Lab File: VX009384.D

Acq: 07 May 2019 18:05

Instrument :

MSVOA_X

ClientSampleId :

B-1-GW

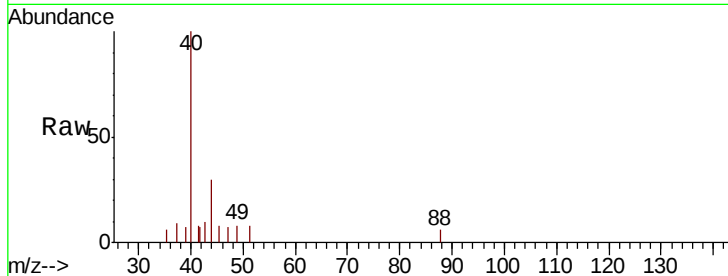
Tot Ion: 49 Resp: 63

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

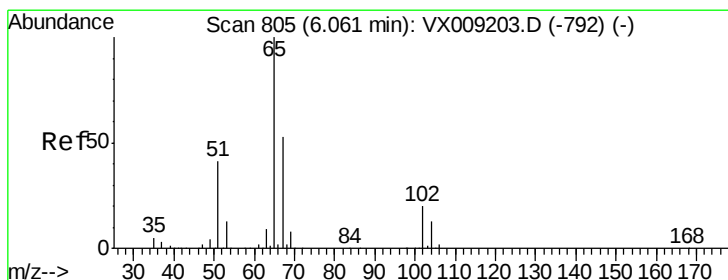
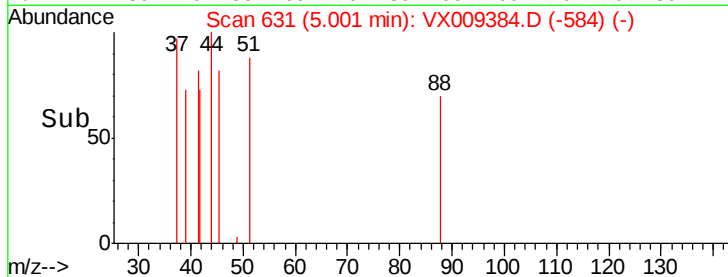
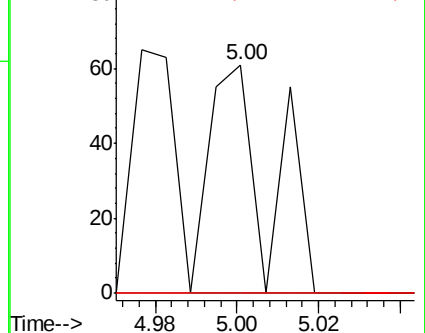
130 0.0 51.2 76.8#



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: 47.885 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.01 min

Lab File: VX009384.D

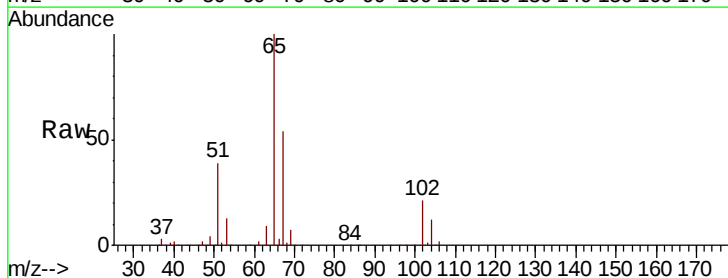
Acq: 07 May 2019 18:05

Tgt Ion: 65 Resp: 111227

Ion Ratio Lower Upper

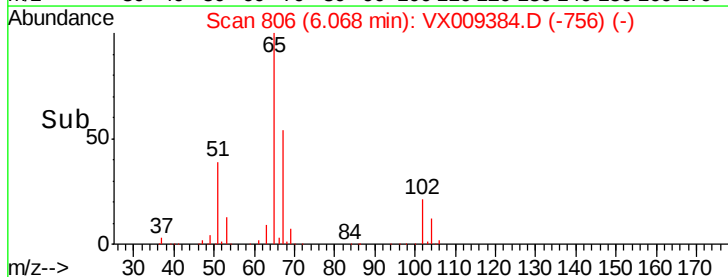
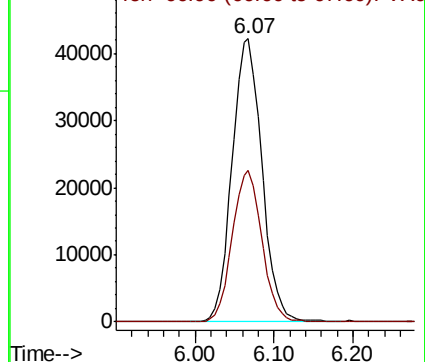
65 100

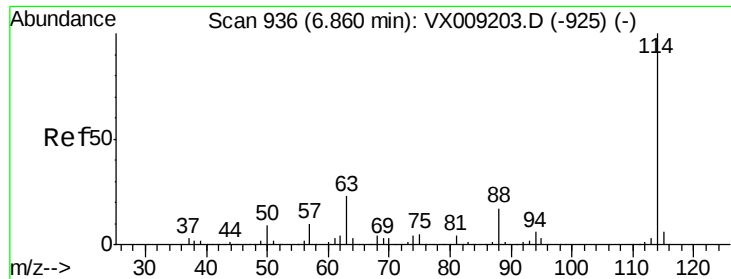
67 53.0 0.0 106.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

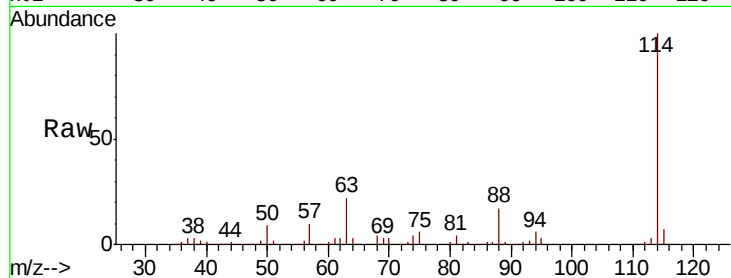




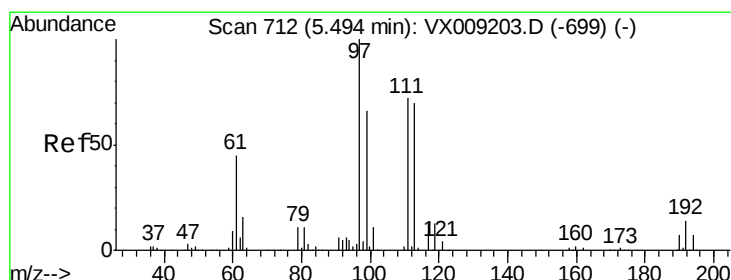
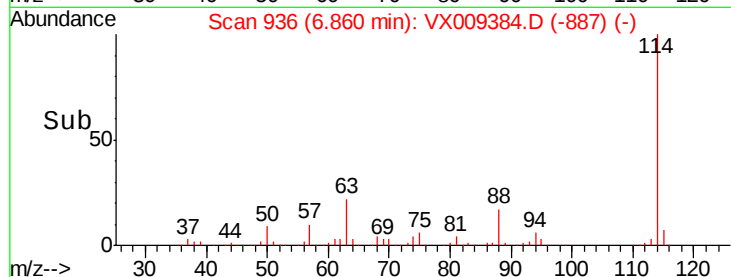
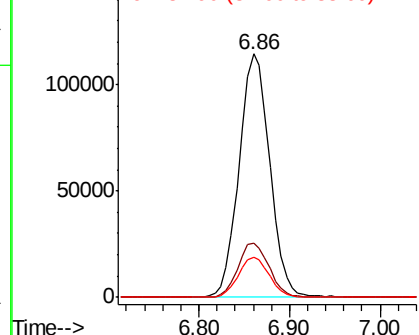
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX009384.D
 Acq: 07 May 2019 18:05

Instrument :
 MSVOA_X
 ClientSampleId :
 B-1-GW

Tot Ion	Ratio	Lower	Upper
114	100		
63	22.1	0.0	45.6
88	16.6	0.0	33.2

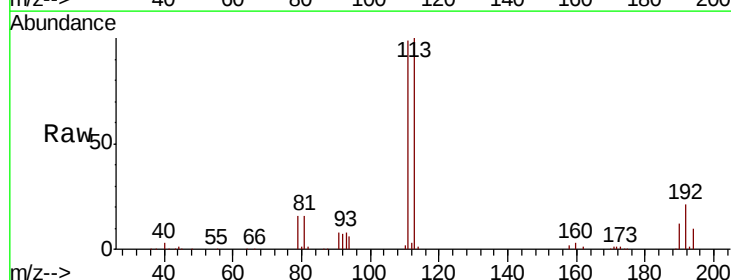


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

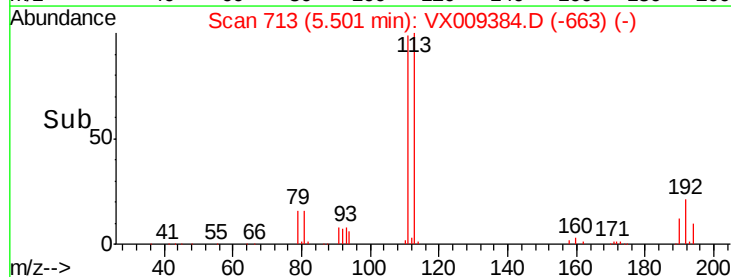
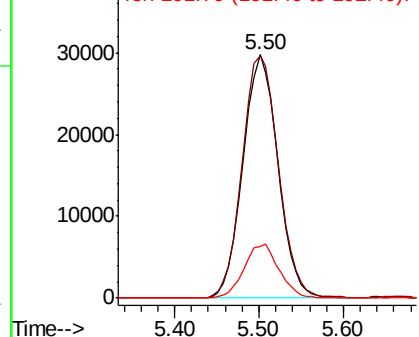


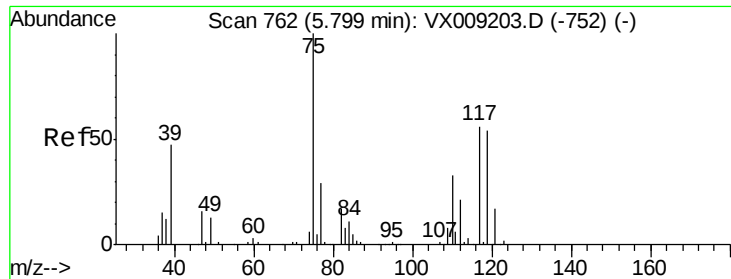
#35
 Dibromofluoromethane
 Concen: 49.543 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX009384.D
 Acq: 07 May 2019 18:05

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.0	82.8	124.2
192	22.0	17.0	25.6



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: 5.272 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX009384.D

Acq: 07 May 2019 18:05

Instrument :

MSVOA_X

ClientSampleId :

B-1-GW

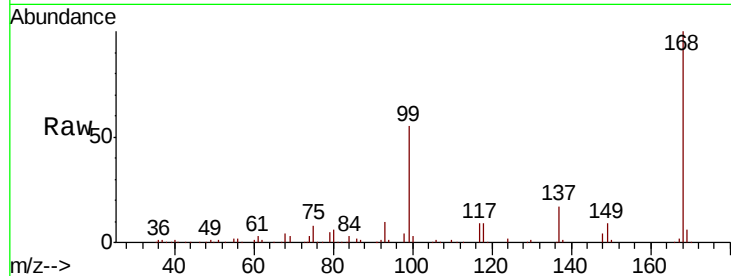
Tot Ion: 75 Resp: 13180

Ion Ratio Lower Upper

75 100

110 5.4 16.9 50.6#

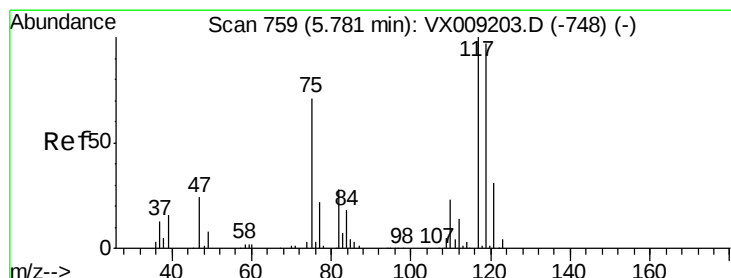
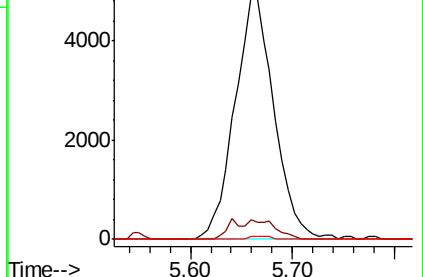
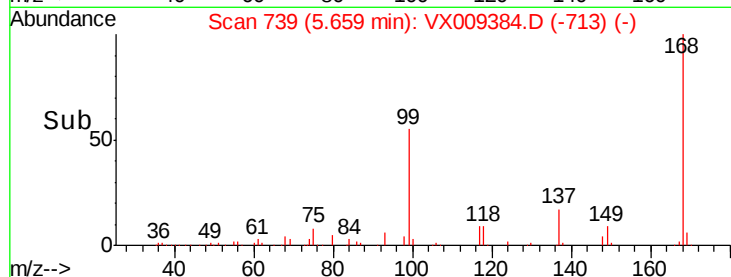
77 0.7 24.8 37.2#



Abundance Ion 74.90 (74.60 to 75.60): VX009384.D (-713) (-)

Ion 109.90 (109.60 to 110.60): VX009384.D (-713) (-)

Ion 76.90 (76.60 to 77.60): VX009384.D (-713) (-)



#38

Carbon Tetrachloride

Concen: 6.691 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX009384.D

Acq: 07 May 2019 18:05

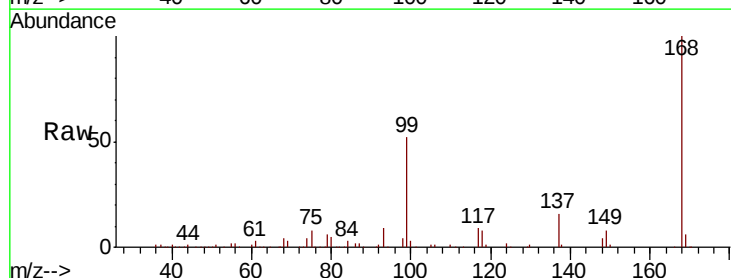
Tgt Ion: 117 Resp: 15198

Ion Ratio Lower Upper

117 100

119 7.0 77.5 116.3#

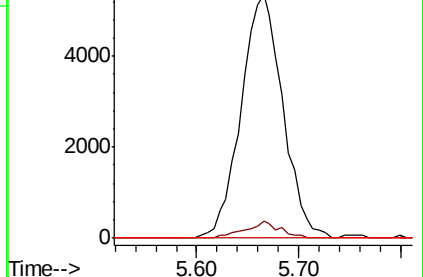
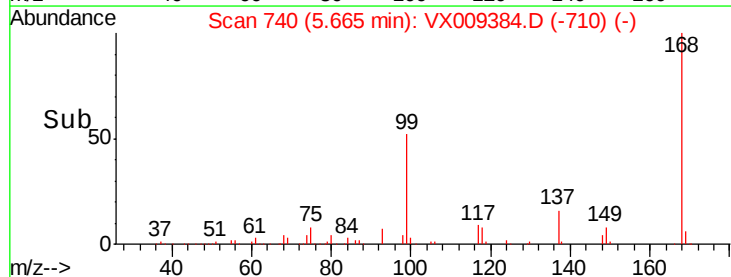
121 0.0 24.7 37.1#

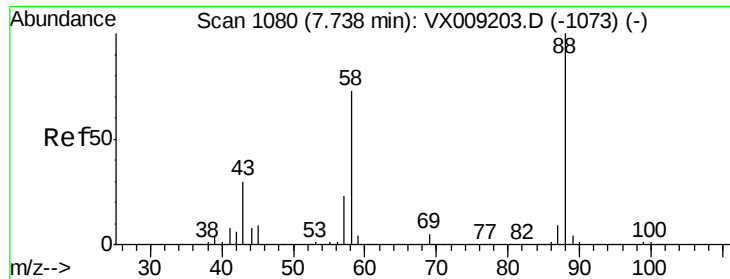


Abundance Ion 116.80 (116.50 to 117.50): VX009384.D (-710) (-)

Ion 118.80 (118.50 to 119.50): VX009384.D (-710) (-)

Ion 120.80 (120.50 to 121.50): VX009384.D (-710) (-)

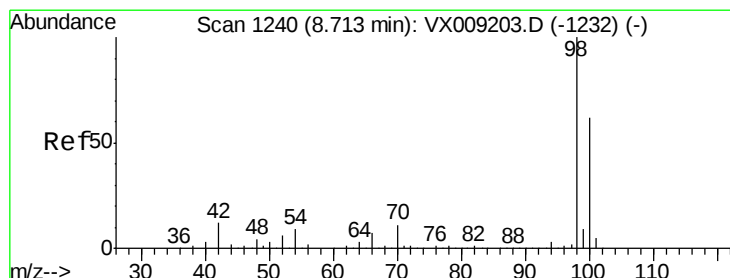
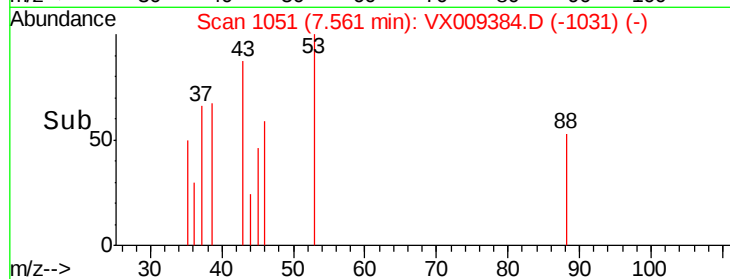
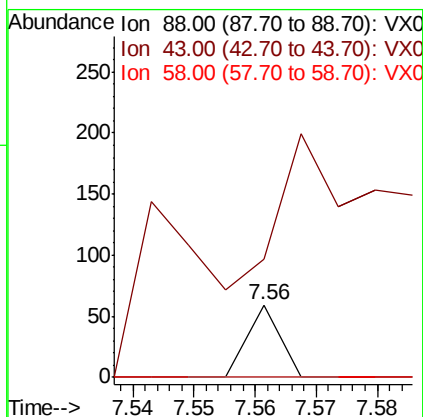
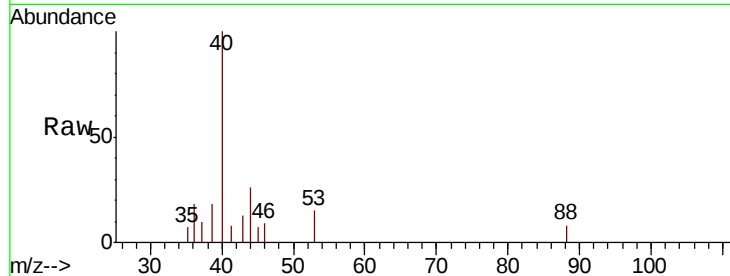




#49
 1,4-Dioxane
 Concen: 0.392 ug/l
 RT: 7.56 min Scan# 1051
 Delta R.T. -0.18 min
 Lab File: VX009384.D
 Acq: 07 May 2019 18:05

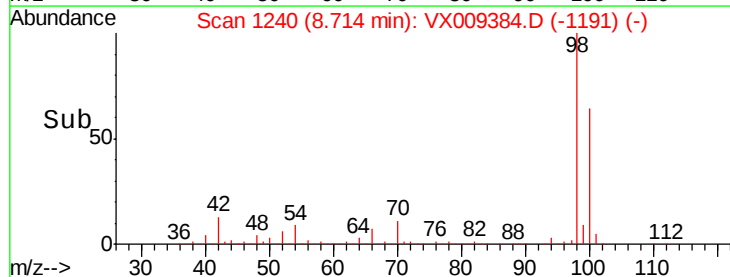
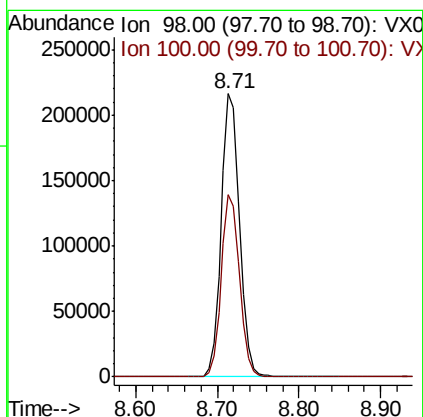
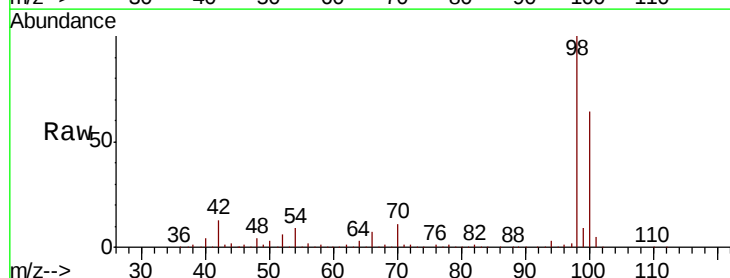
Instrument :
 MSVOA_X
 ClientSampled :
 B-1-GW

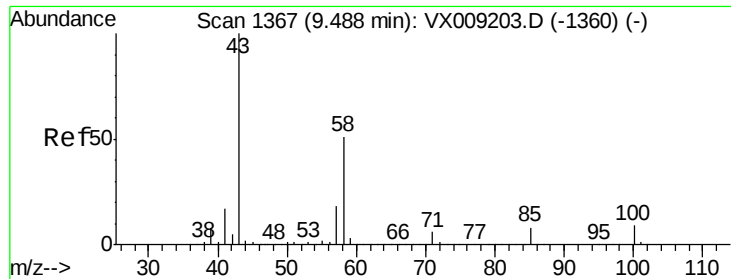
Tot Ion: 88 Resp: 22
 Ion Ratio Lower Upper
 88 100
 43 1590.9 28.6 42.8#
 58 0.0 61.7 92.5#



#50
 Toluene-d8
 Concen: 49.553 ug/l
 RT: 8.71 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VX009384.D
 Acq: 07 May 2019 18:05

Tgt Ion: 98 Resp: 338314
 Ion Ratio Lower Upper
 98 100
 100 64.0 51.2 76.8

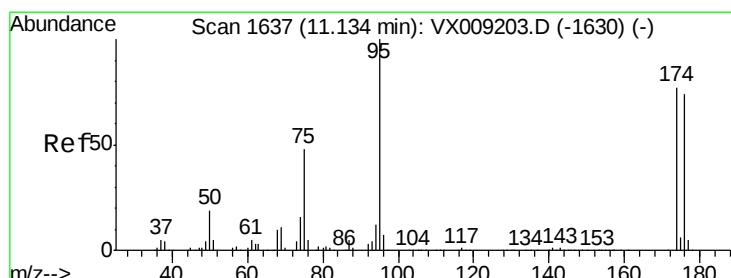
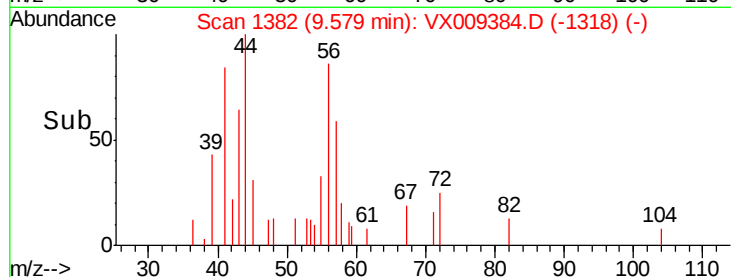
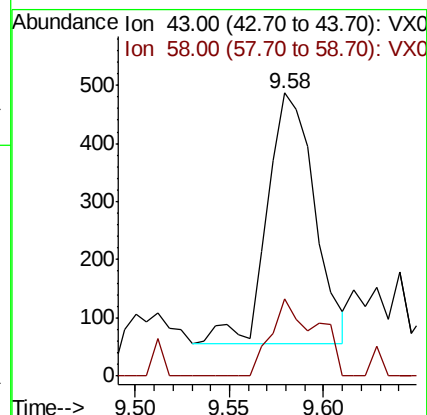
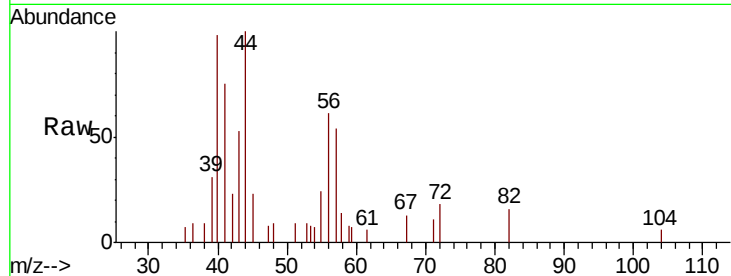




#59
2-Hexanone
Concen: 0.264 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.09 min
Lab File: VX009384.D
Acq: 07 May 2019 18:05

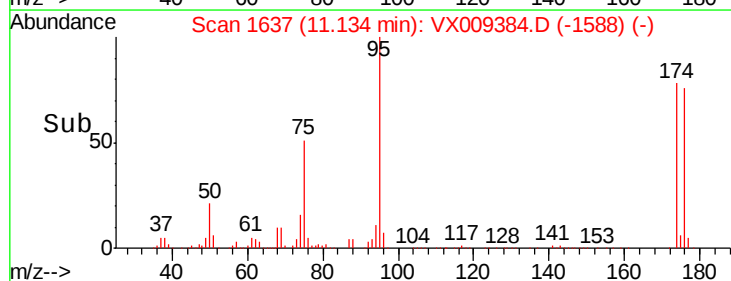
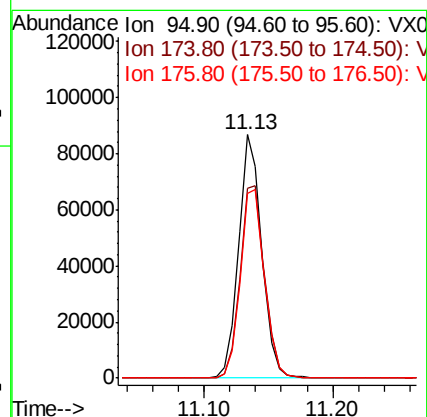
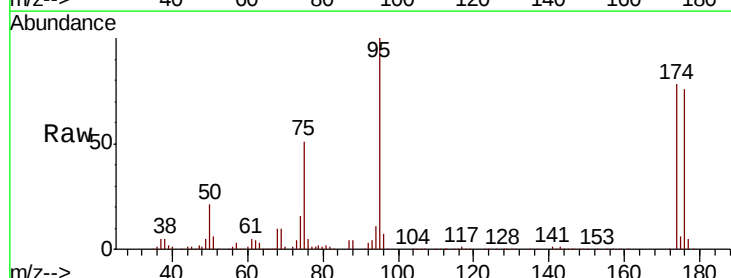
Instrument :
MSVOA_X
ClientSampled :
B-1-GW

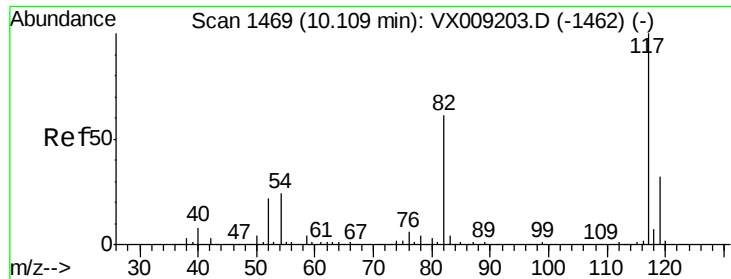
Tot Ion: 43 Resp: 754
Ion Ratio Lower Upper
43 100
58 29.7 25.9 77.7



#62
4-Bromofluorobenzene
Concen: 43.747 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX009384.D
Acq: 07 May 2019 18:05

Tgt Ion: 95 Resp: 108528
Ion Ratio Lower Upper
95 100
174 83.5 0.0 161.6
176 80.9 0.0 159.2

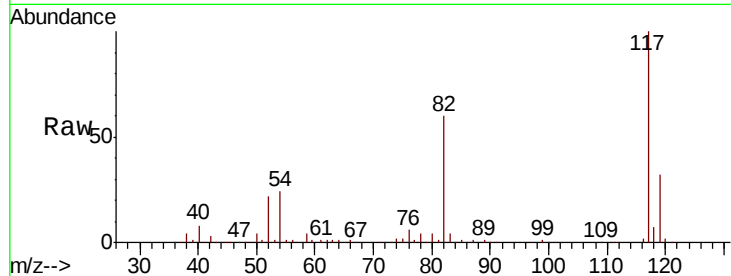




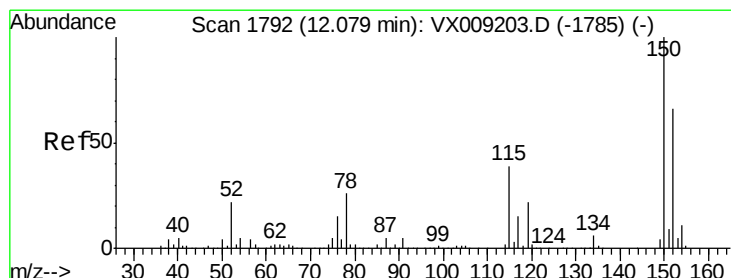
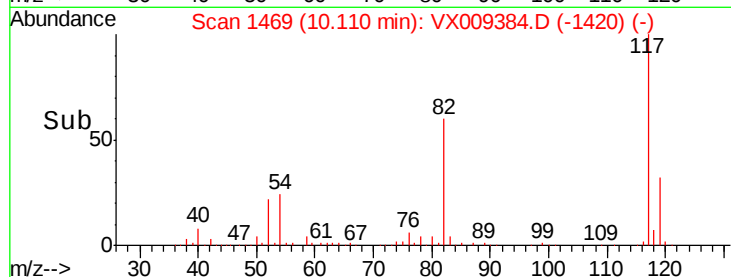
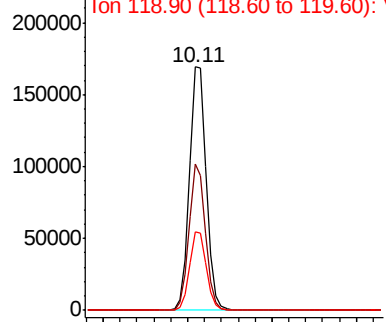
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX009384.D
Acq: 07 May 2019 18:05

Instrument :
MSVOA_X
ClientSampled :
B-1-GW

Tot Ion:117 Resp: 234748
Ion Ratio Lower Upper
117 100
82 60.1 48.8 73.2
119 32.2 25.8 38.6

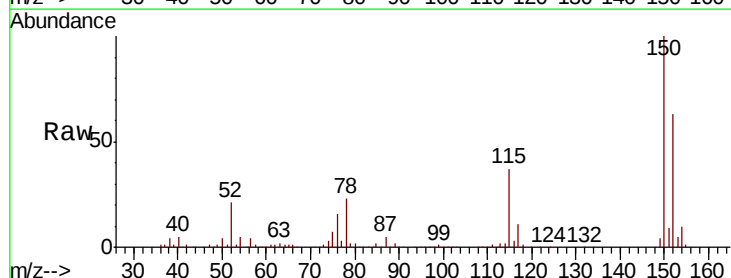


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

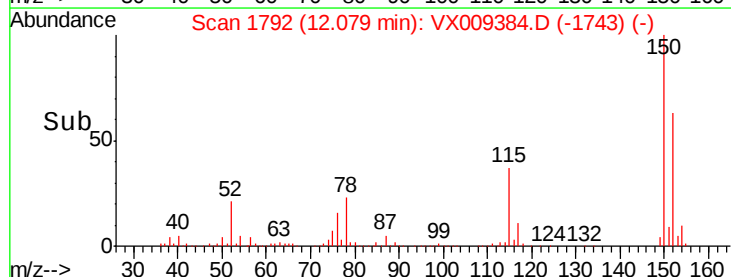
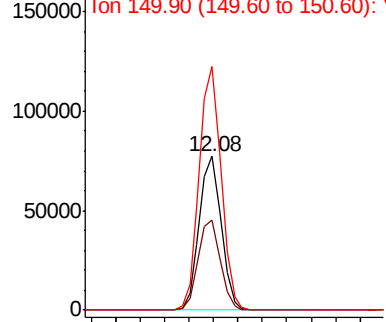


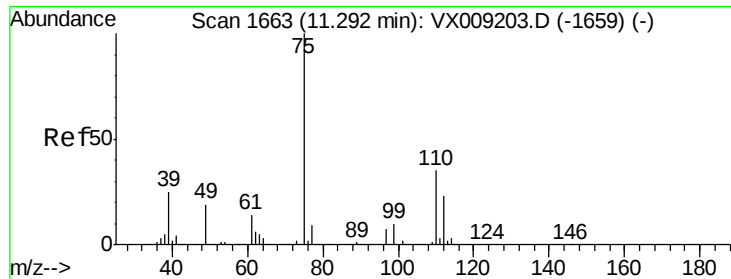
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX009384.D
Acq: 07 May 2019 18:05

Tgt Ion:152 Resp: 96164
Ion Ratio Lower Upper
152 100
115 58.9 41.2 123.6
150 157.4 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: 24.750 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009384.D

Acq: 07 May 2019 18:05

Instrument :

MSVOA_X

ClientSampleId :

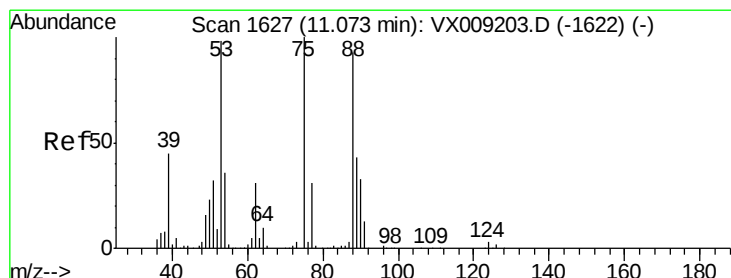
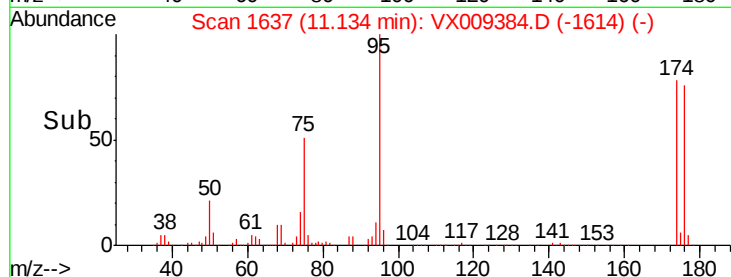
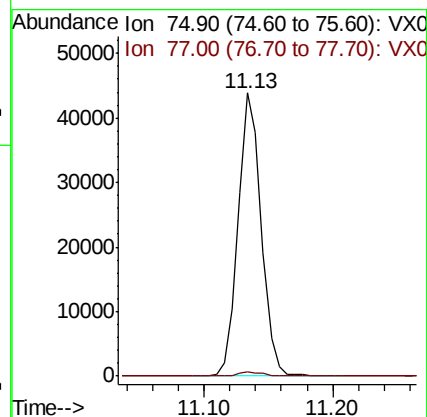
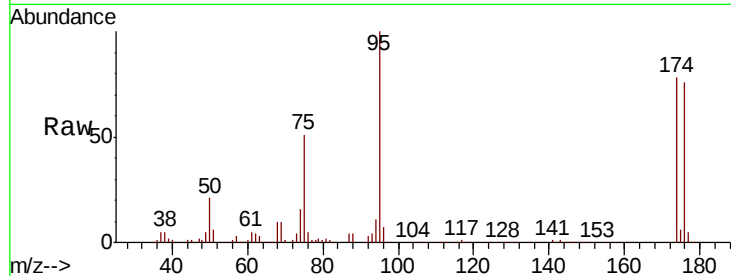
B-1-GW

Tot Ion: 75 Resp: 55208

Ion Ratio Lower Upper

75 100

77 1.7 22.1 66.1#



#81

trans-1,4-Dichloro-2-butene

Concen: 63.325 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009384.D

Acq: 07 May 2019 18:05

Tgt Ion: 75 Resp: 55208

Ion Ratio Lower Upper

75 100

53 0.2 79.0 118.6#

89 0.0 34.7 52.1#

