

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051719\
 Data File : VX009690.D
 Acq On : 18 May 2019 03:32
 Operator : JC/SP
 Sample : VX0517WBL03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0517WBL03

Quant Time: May 18 04:57:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	165345	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	266302	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	230143	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	95901	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	120822	53.53	ug/l	0.00
Spiked Amount			Recovery	=	107.06%	
35) Dibromofluoromethane	5.50	113	87956	52.54	ug/l	0.00
Spiked Amount			Recovery	=	105.08%	
50) Toluene-d8	8.71	98	357662	52.92	ug/l	0.00
Spiked Amount			Recovery	=	105.84%	
62) 4-Bromofluorobenzene	11.13	95	115281	46.94	ug/l	0.00
Spiked Amount			Recovery	=	93.88%	

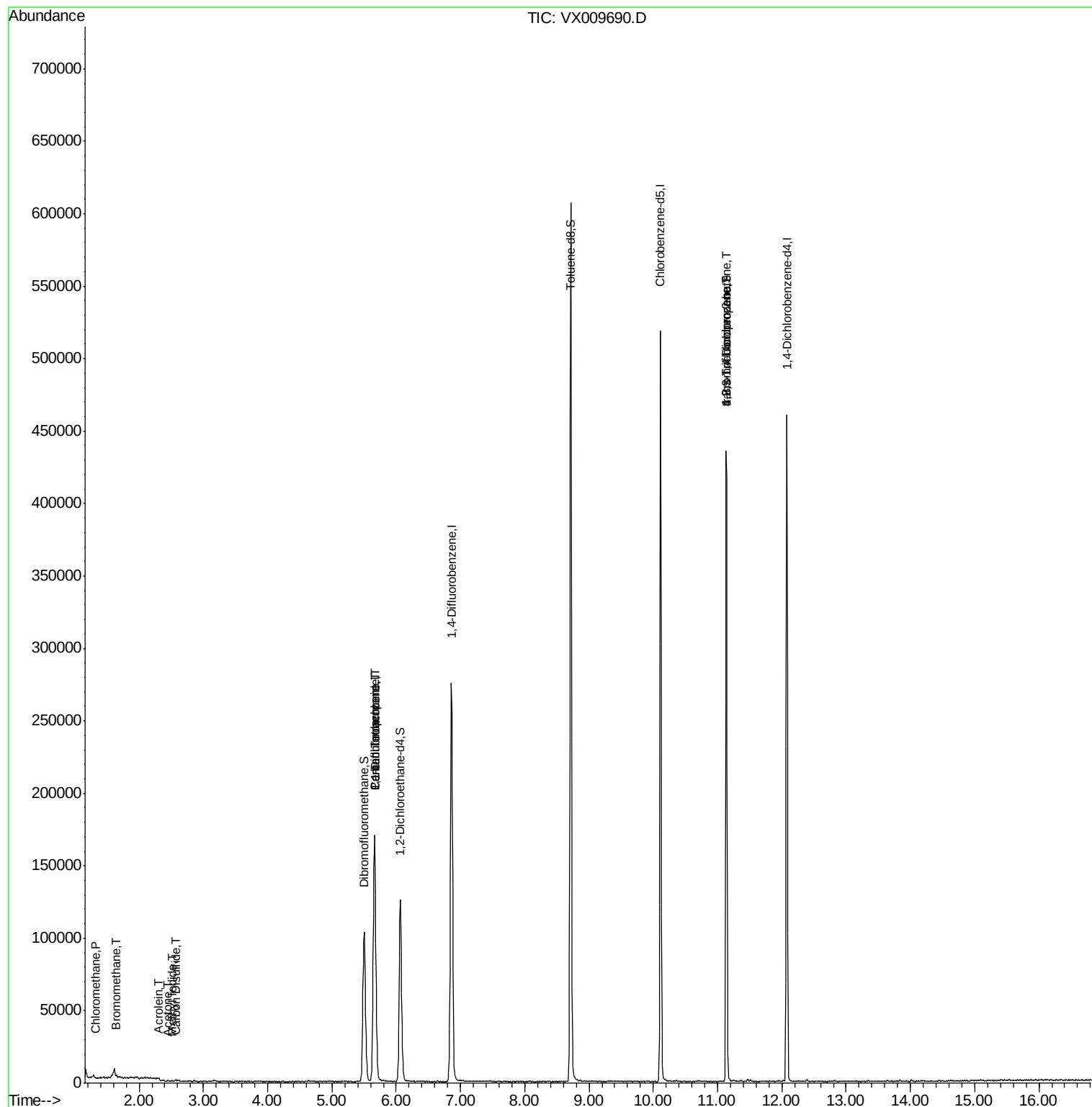
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	452	0.217	ug/l #	86
5) Bromomethane	1.65	94	256	0.210	ug/l	99
10) Methyl Iodide	2.51	142	435	4.813	ug/l	97
13) Acrolein	2.29	56	304	0.642	ug/l #	82
16) Acetone	2.45	43	620	0.512	ug/l	92
17) Carbon Disulfide	2.57	76	1048	0.241	ug/l #	73
28) Bromochloromethane	5.01	49	98	Below Cal	#	20
36) 1,1-Dichloropropene	5.66	75	12983	5.246	ug/l #	51
38) Carbon Tetrachloride	5.66	117	15525	6.905	ug/l #	15
76) 1,2,3-Trichloropropane	11.13	75	59600	26.792	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	59600	68.551	ug/l #	10

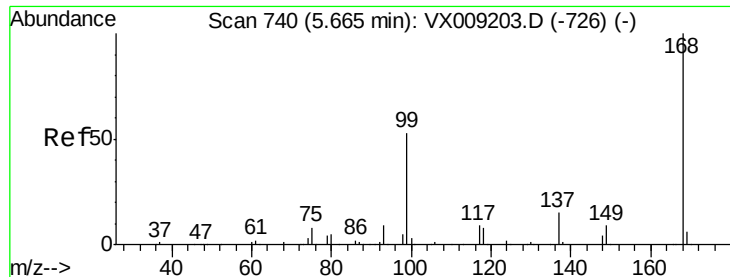
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: May 18 04:57:40 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
Quant Title : SW846 8260
QLast Update : Thu May 09 07:31:15 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX009690.D

Acq: 18 May 2019 03:32

Instrument :

MSVOA_X

ClientSampleId :

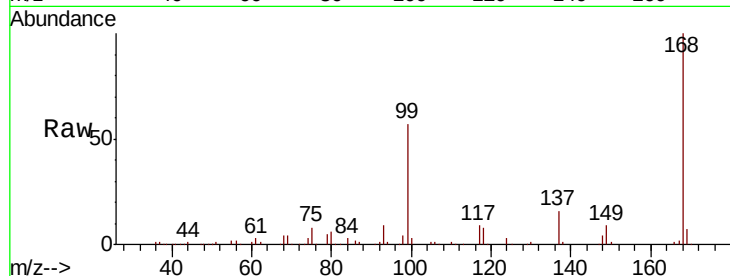
VX0517WBL03

Tot Ion:168 Resp: 165345

Ion Ratio Lower Upper

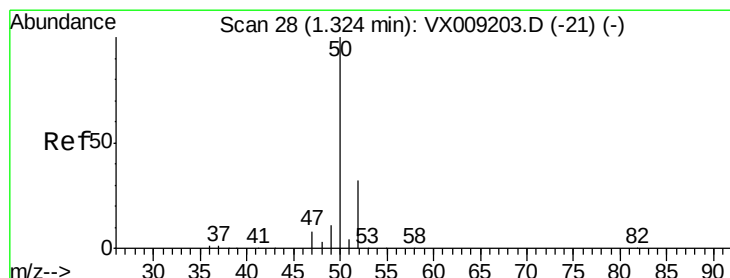
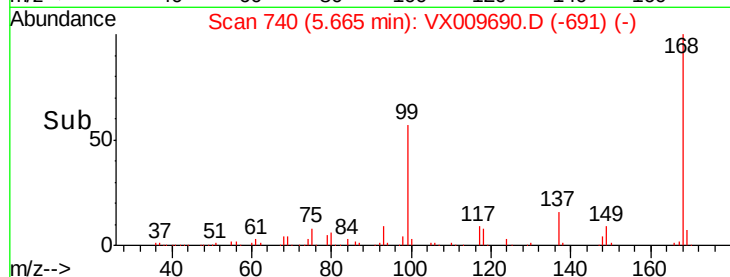
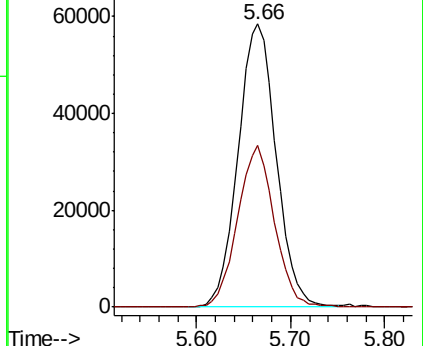
168 100

99 57.3 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: 0.217 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX009690.D

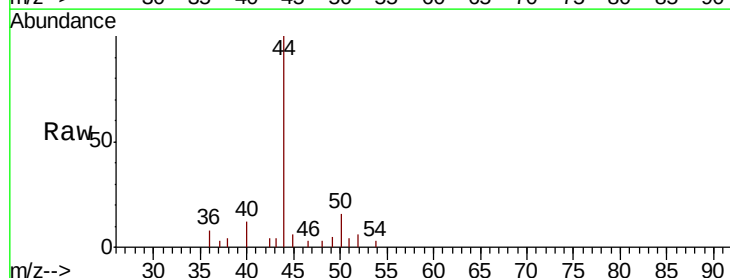
Acq: 18 May 2019 03:32

Tgt Ion: 50 Resp: 452

Ion Ratio Lower Upper

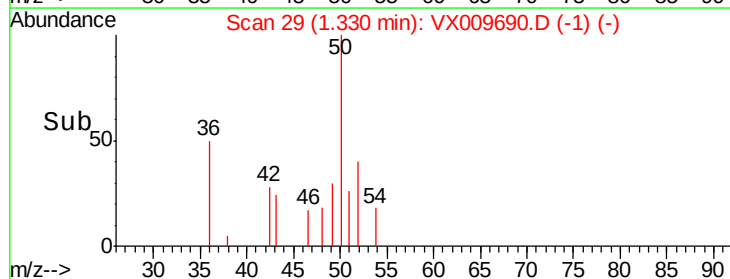
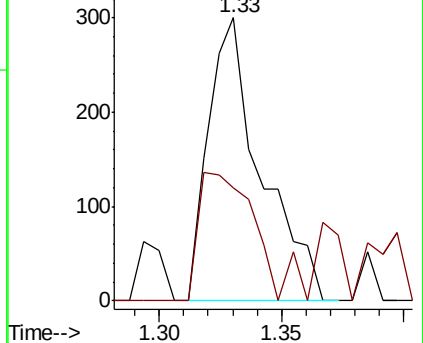
50 100

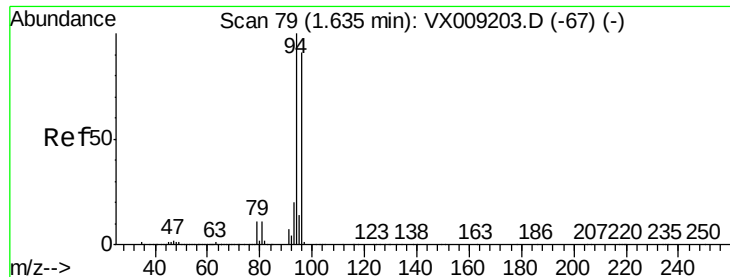
52 40.0 25.9 38.9#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 0.210 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX009690.D

Acq: 18 May 2019 03:32

Instrument :

MSVOA_X

ClientSampleId :

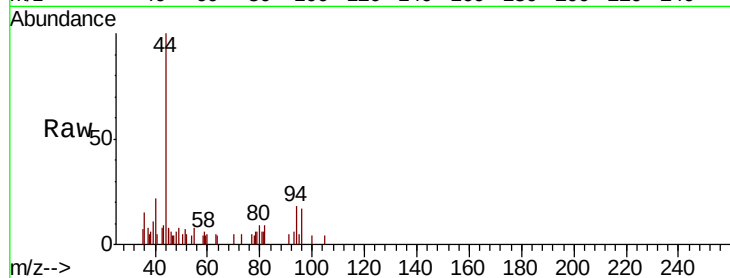
VX0517WBL03

Tot Ion: 94 Resp: 256

Ion Ratio Lower Upper

94 100

96 92.6 73.0 109.6



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

250

200

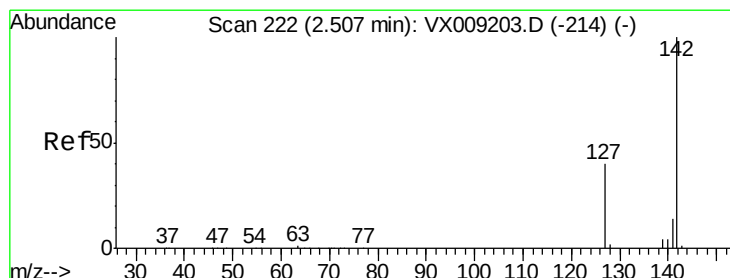
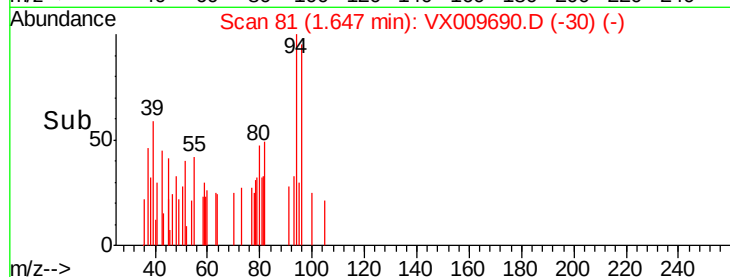
150

100

50

0

Time-->



#10

Methyl Iodide

Concen: 4.813 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.01 min

Lab File: VX009690.D

Acq: 18 May 2019 03:32

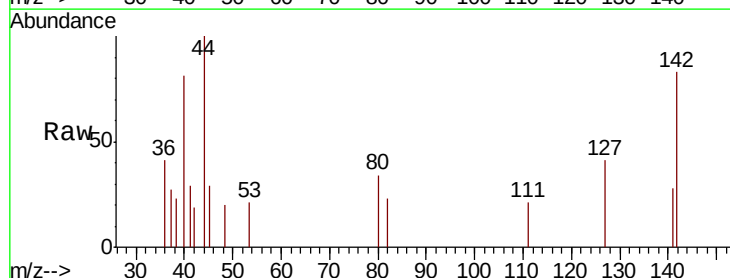
Tgt Ion: 142 Resp: 435

Ion Ratio Lower Upper

142 100

127 39.3 32.7 49.1

141 12.4 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

2.51

250

200

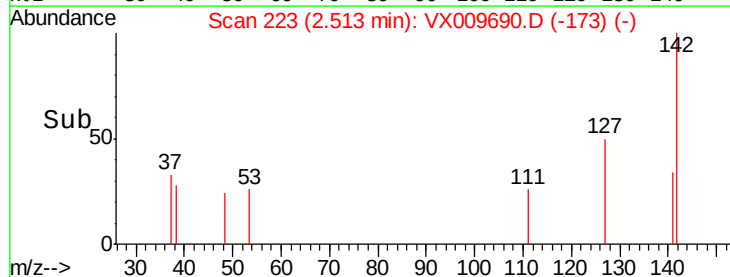
150

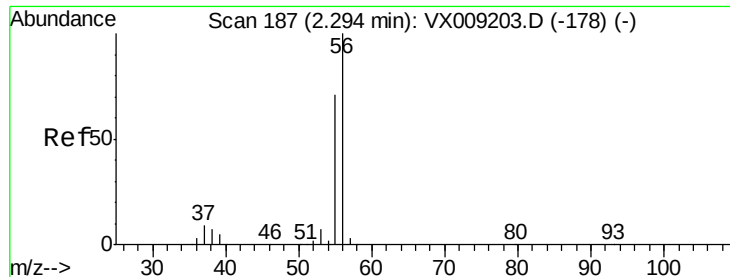
100

50

0

Time-->





#13

Acrolein

Concen: 0.642 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX009690.D

Acq: 18 May 2019 03:32

Instrument :

MSVOA_X

ClientSampleId :

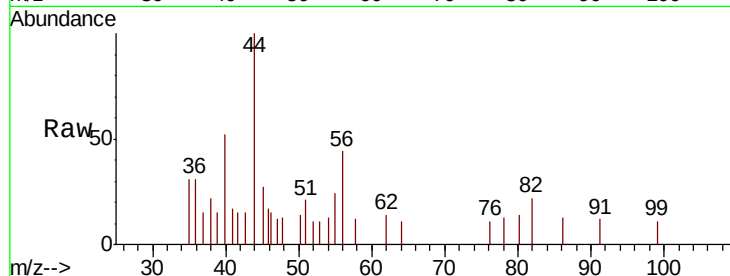
VX0517WBL03

Tot Ion: 56 Resp: 304

Ion Ratio Lower Upper

56 100

55 85.5 56.6 85.0#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.29

250

200

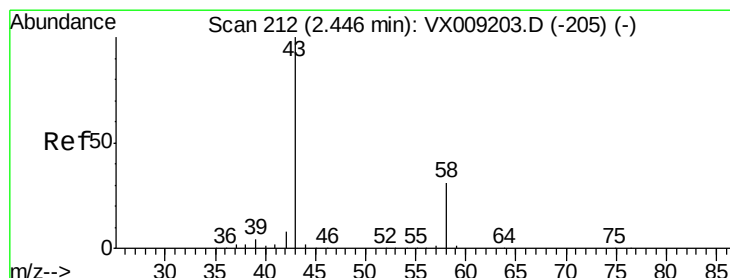
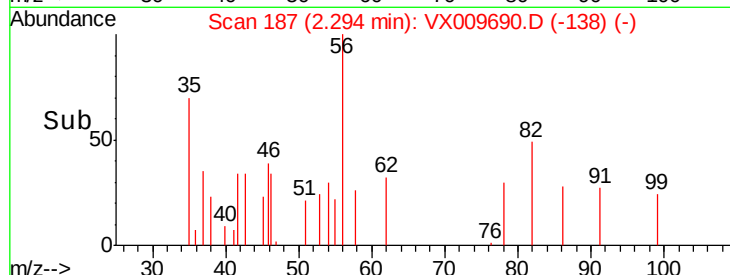
150

100

50

0

Time-->



#16

Acetone

Concen: 0.512 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX009690.D

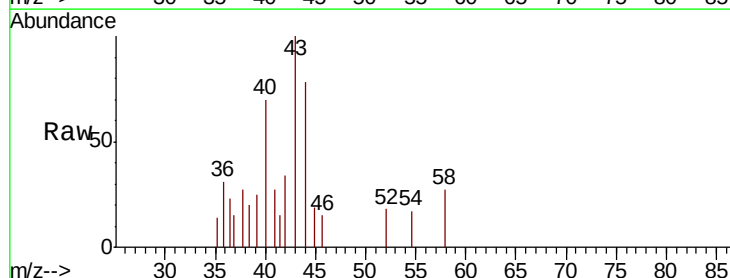
Acq: 18 May 2019 03:32

Tgt Ion: 43 Resp: 620

Ion Ratio Lower Upper

43 100

58 26.9 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.45

400

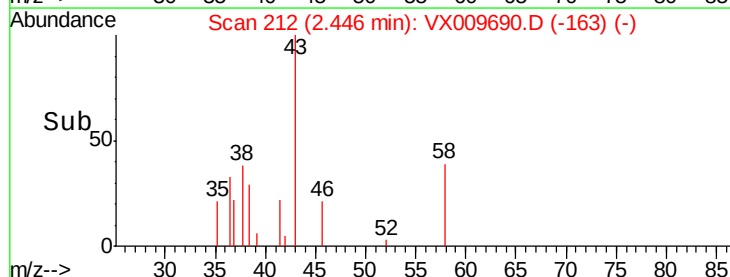
300

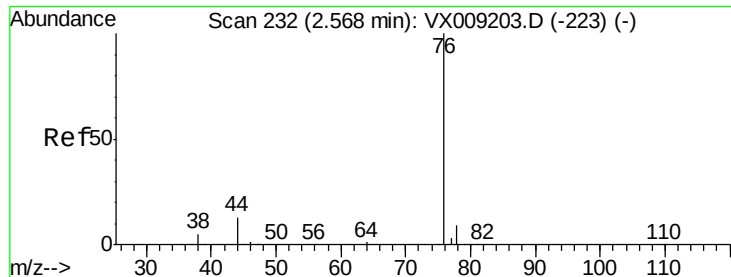
200

100

0

Time-->





#17

Carbon Disulfide

Concen: 0.241 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX009690.D

Acq: 18 May 2019 03:32

Instrument :

MSVOA_X

ClientSampleId :

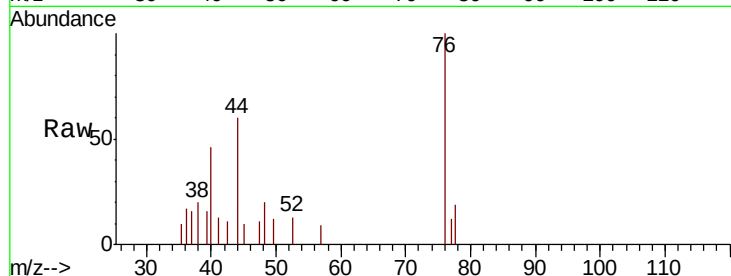
VX0517WBL03

Tot Ion: 76 Resp: 1048

Ion Ratio Lower Upper

76 100

78 18.9 7.4 11.0#

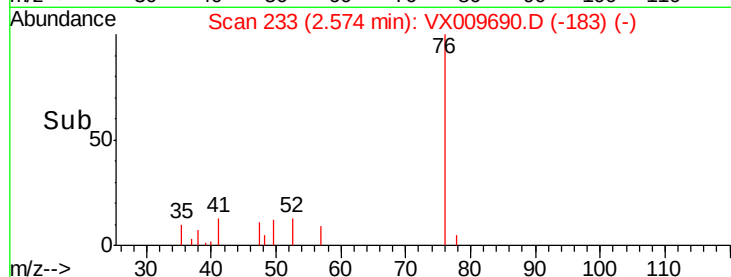


Abundance Ion 75.90 (75.60 to 76.60): VX0

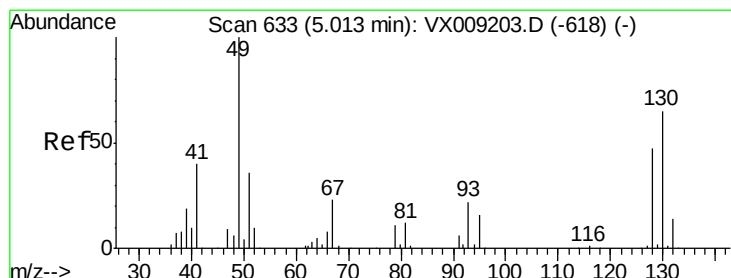
Ion 77.90 (77.60 to 78.60): VX0

2.57

Time-->



Time-->



#28

Bromochloromethane

Concen: Below Cal

RT: 5.01 min Scan# 633

Delta R.T. 0.00 min

Lab File: VX009690.D

Acq: 18 May 2019 03:32

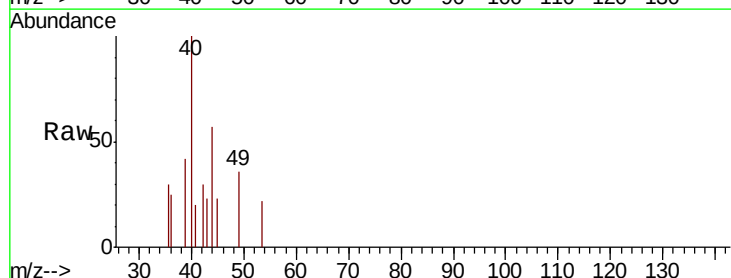
Tgt Ion: 49 Resp: 98

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

130 0.0 51.2 76.8#



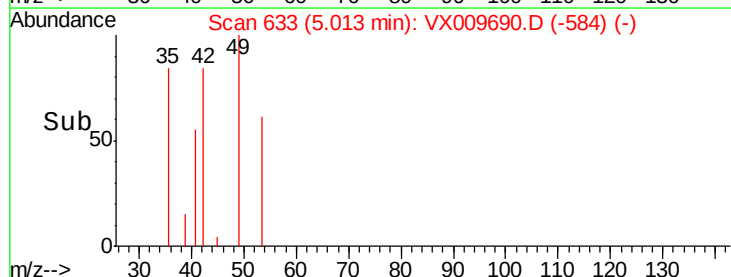
Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

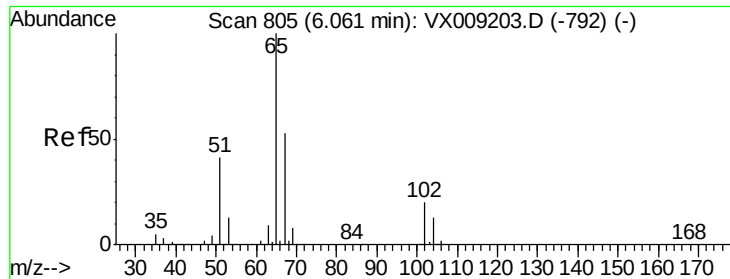
Ion 129.80 (129.50 to 130.50): V

5.01

Time-->



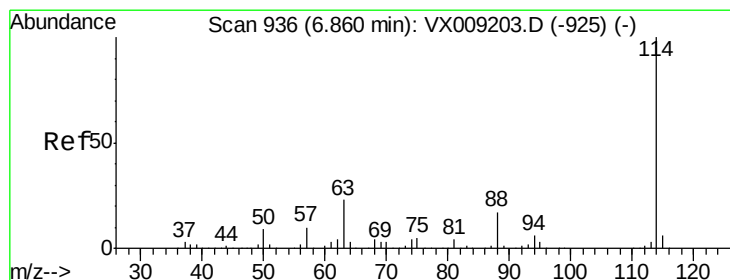
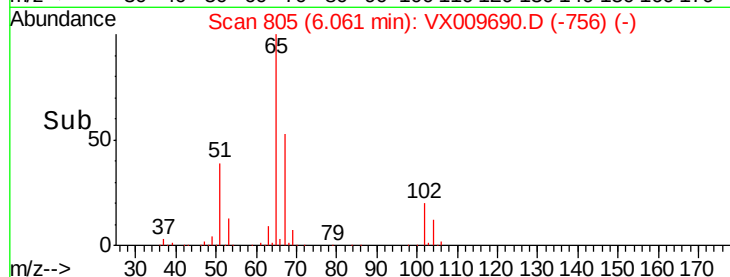
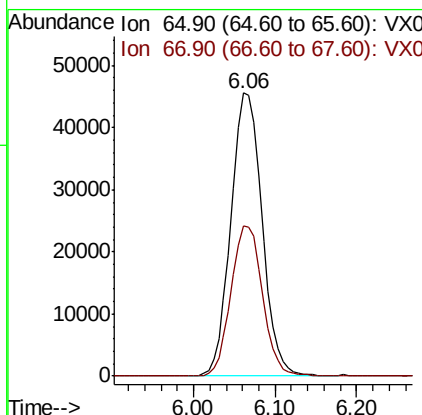
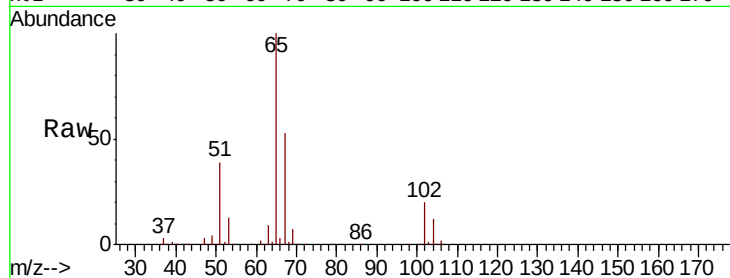
Time-->



#33
 1,2-Dichloroethane-d4
 Concen: 53.528 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX009690.D
 Acq: 18 May 2019 03:32

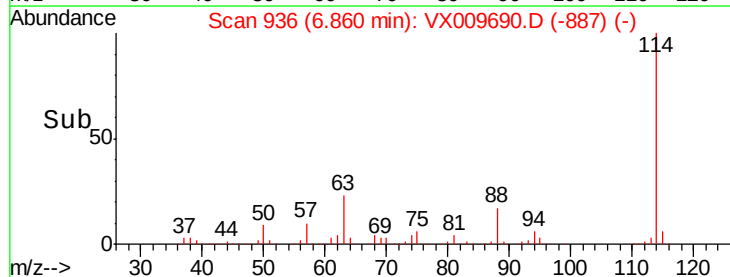
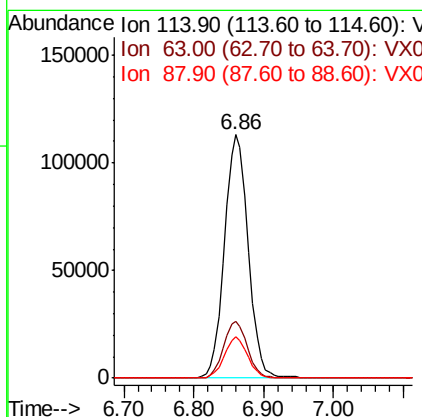
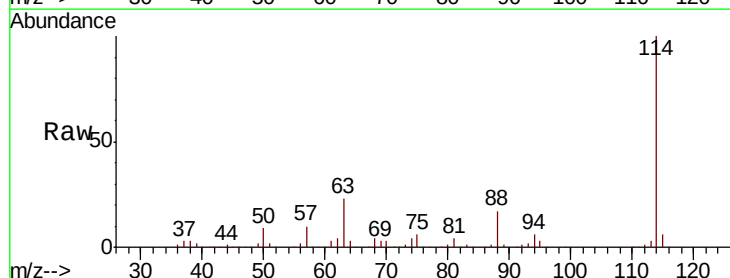
Instrument :
 MSVOA_X
 ClientSampleID :
 VX0517WBL03

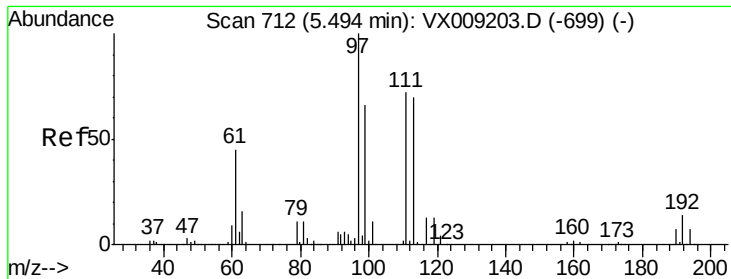
Tot Ion: 65 Resp: 120822
 Ion Ratio Lower Upper
 65 100
 67 53.4 0.0 106.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX009690.D
 Acq: 18 May 2019 03:32

Tgt Ion: 114 Resp: 266302
 Ion Ratio Lower Upper
 114 100
 63 23.4 0.0 45.6
 88 16.9 0.0 33.2





#35

Dibromofluoromethane

Concen: 52.540 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

Lab File: VX009690.D

Acq: 18 May 2019 03:32

Instrument :

MSVOA_X

ClientSampleId :

VX0517WBL03

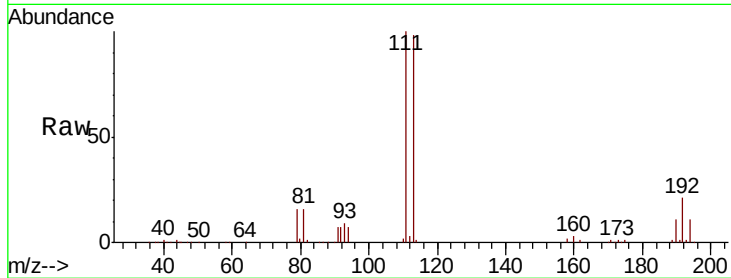
Tot Ion:113 Resp: 87956

Ion Ratio Lower Upper

113 100

111 103.0 82.8 124.2

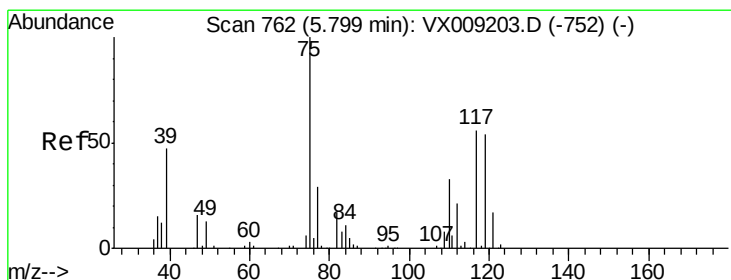
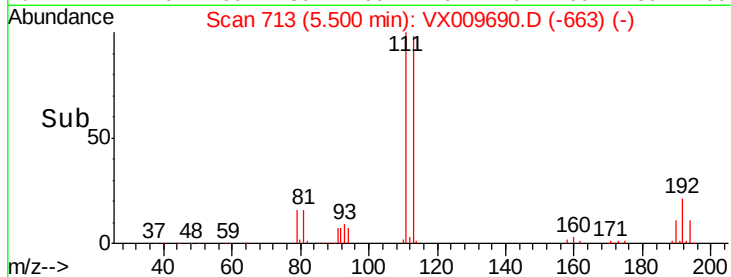
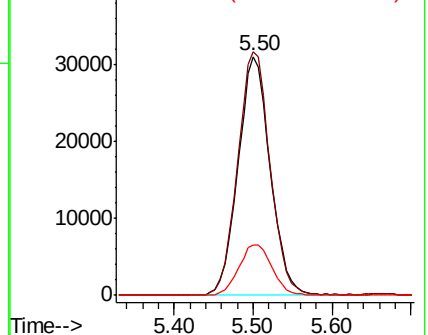
192 22.0 17.0 25.6



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: 5.246 ug/l

RT: 5.66 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX009690.D

Acq: 18 May 2019 03:32

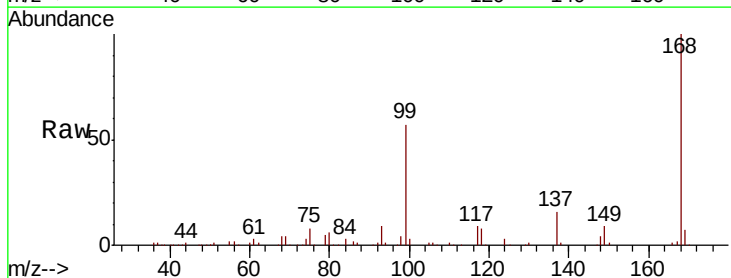
Tgt Ion: 75 Resp: 12983

Ion Ratio Lower Upper

75 100

110 9.3 16.9 50.6#

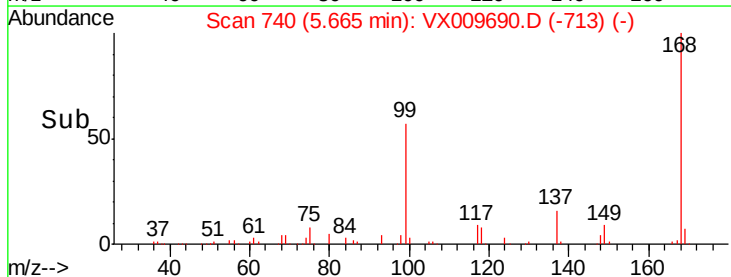
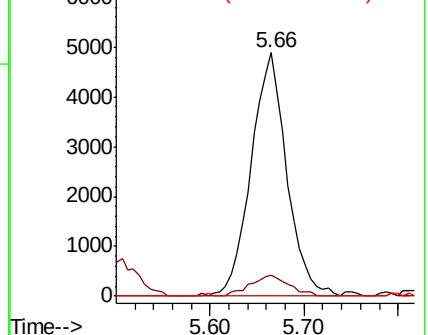
77 0.0 24.8 37.2#

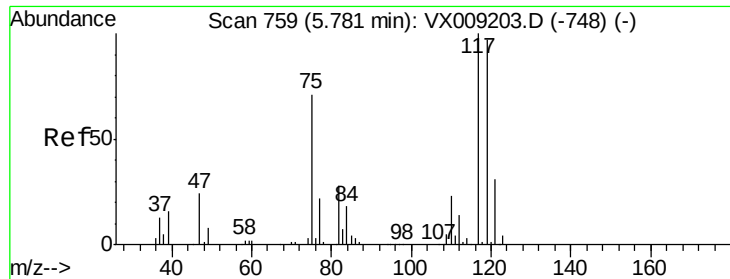


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.905 ug/l

RT: 5.66 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX009690.D

Acq: 18 May 2019 03:32

Instrument :

MSVOA_X

ClientSampleId :

VX0517WBL03

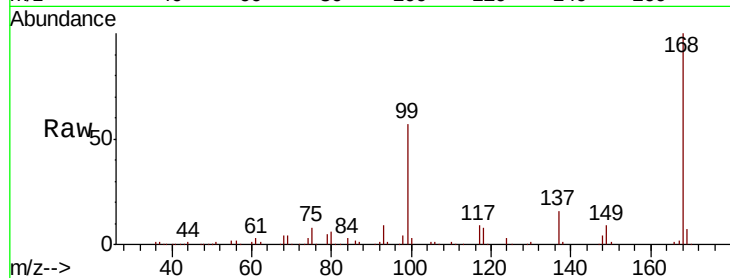
Tot Ion:117 Resp: 15525

Ion Ratio Lower Upper

117 100

119 4.2 77.5 116.3#

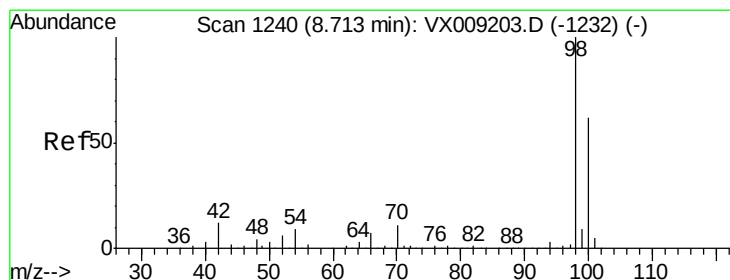
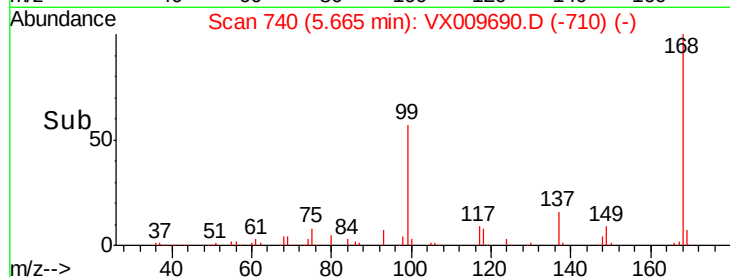
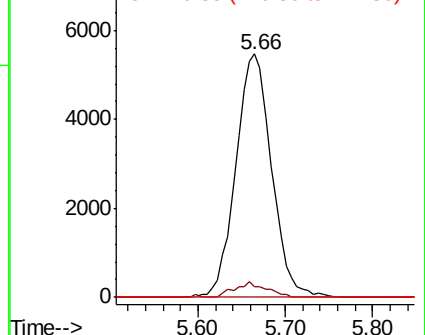
121 0.0 24.7 37.1#



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



#50

Toluene-d8

Concen: 52.919 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX009690.D

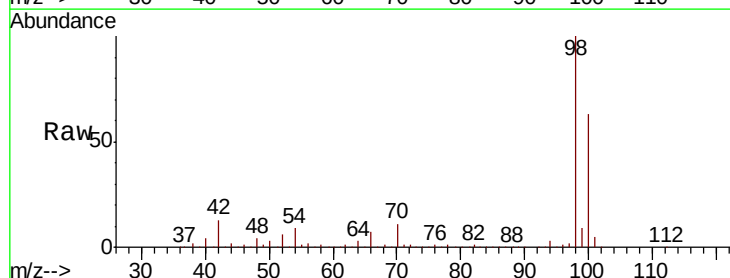
Acq: 18 May 2019 03:32

Tgt Ion: 98 Resp: 357662

Ion Ratio Lower Upper

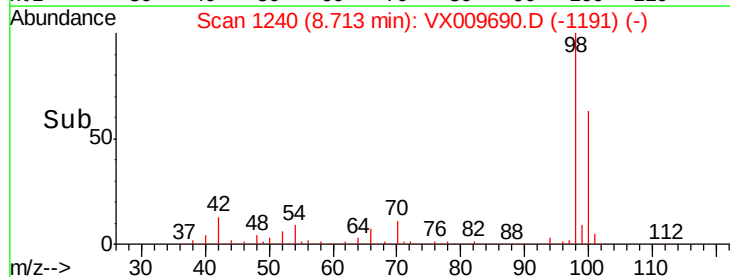
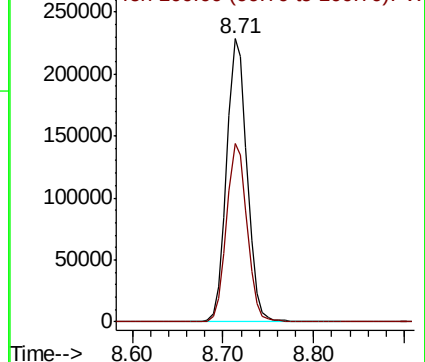
98 100

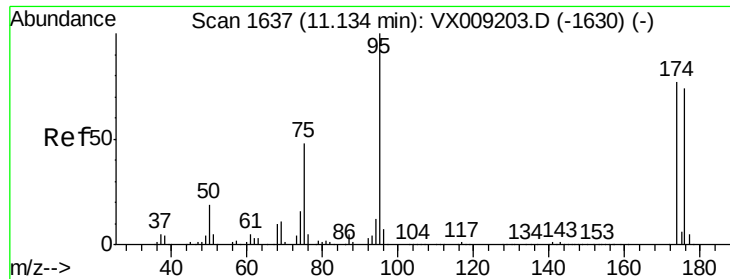
100 63.5 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

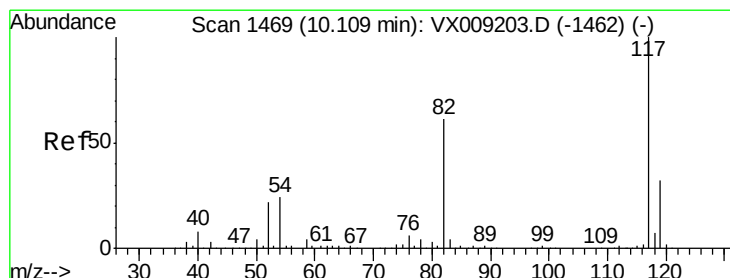
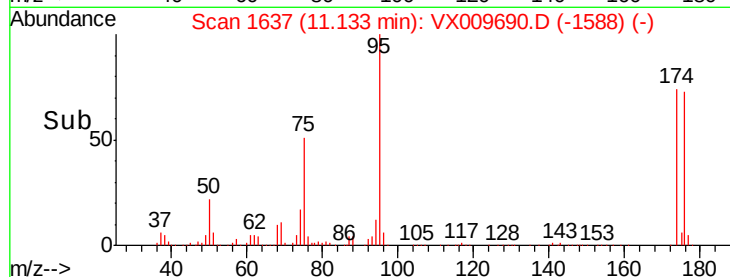
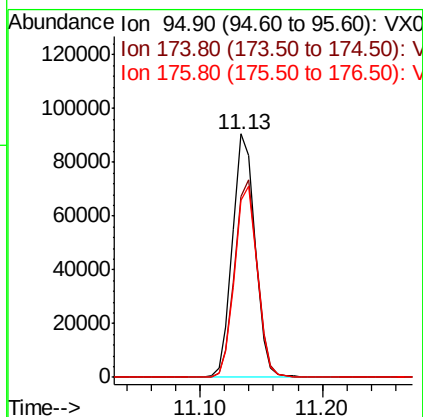
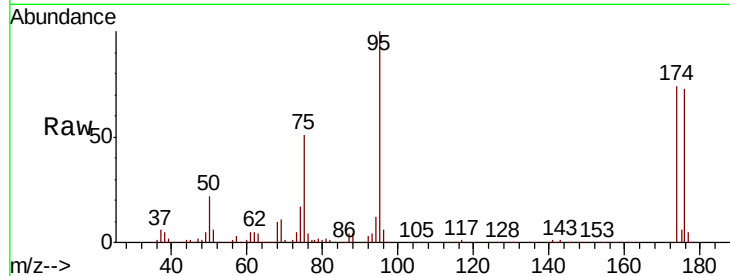




#62
4-Bromofluorobenzene
Concen: 46.941 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX009690.D
Acq: 18 May 2019 03:32

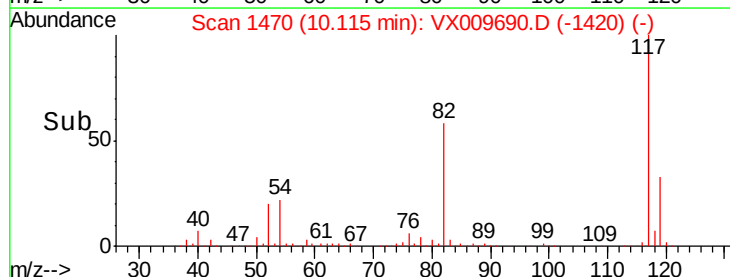
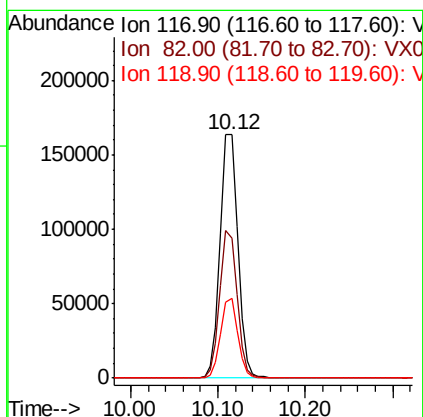
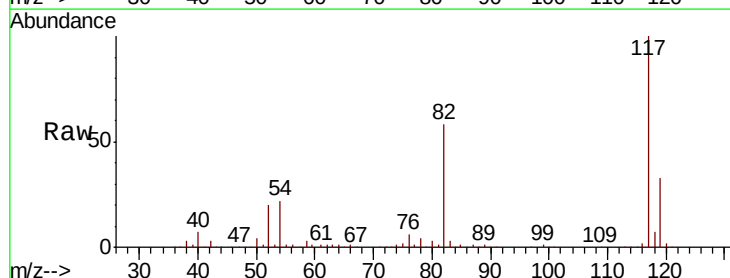
Instrument :
MSVOA_X
ClientSampleId :
VX0517WBL03

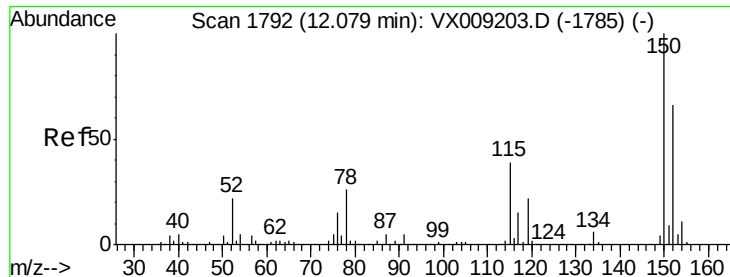
Tot Ion: 95 Resp: 115281
Ion Ratio Lower Upper
95 100
174 81.3 0.0 161.6
176 78.9 0.0 159.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX009690.D
Acq: 18 May 2019 03:32

Tgt Ion: 117 Resp: 230143
Ion Ratio Lower Upper
117 100
82 57.5 48.8 73.2
119 33.0 25.8 38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX009690.D

Acq: 18 May 2019 03:32

Instrument :

MSVOA_X

ClientSampleId :

VX0517WBL03

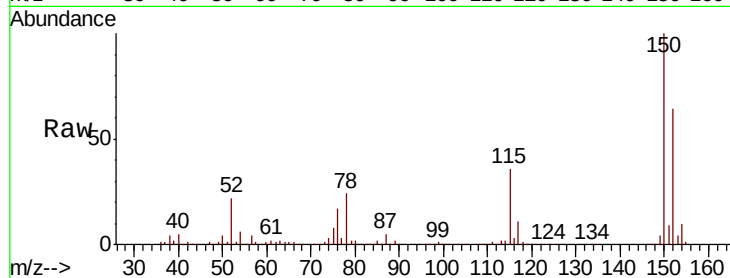
Tot Ion:152 Resp: 95901

Ion Ratio Lower Upper

152 100

115 57.2 41.2 123.6

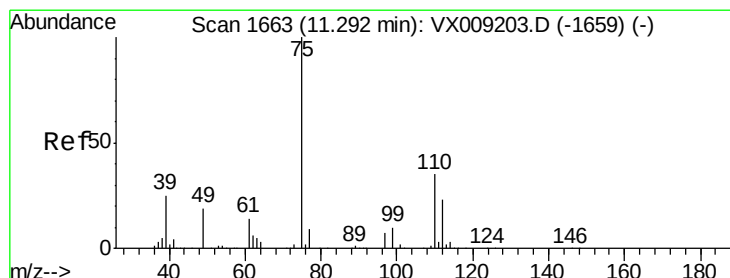
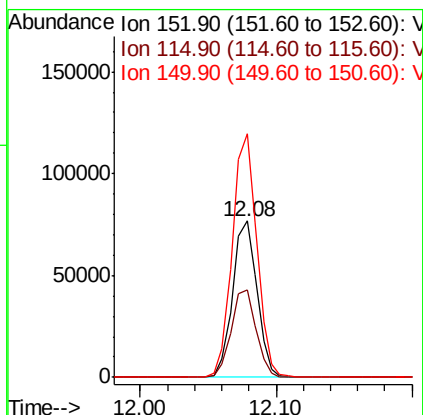
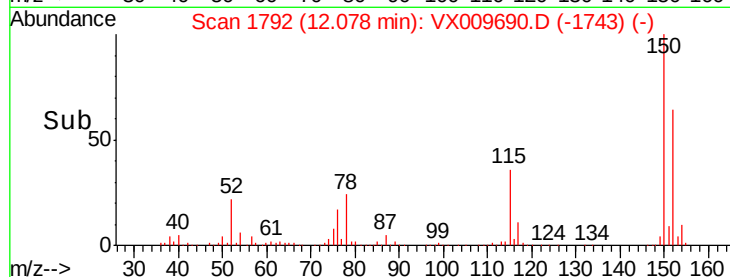
150 155.6 0.0 346.4



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: 26.792 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009690.D

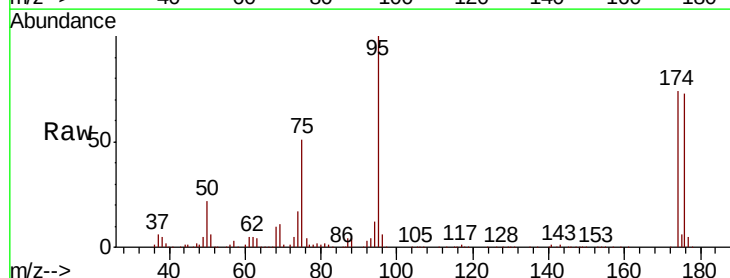
Acq: 18 May 2019 03:32

Tgt Ion: 75 Resp: 59600

Ion Ratio Lower Upper

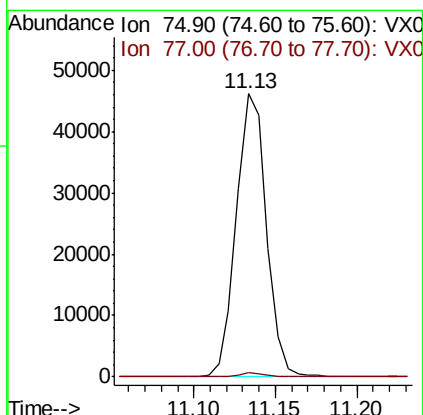
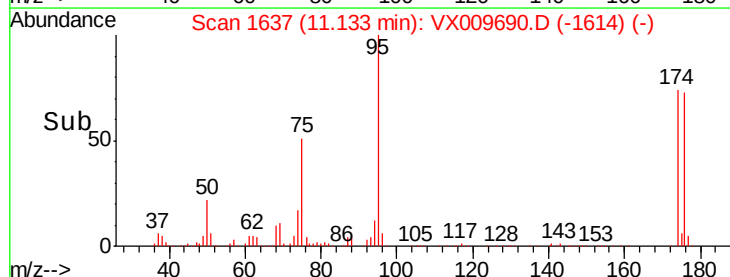
75 100

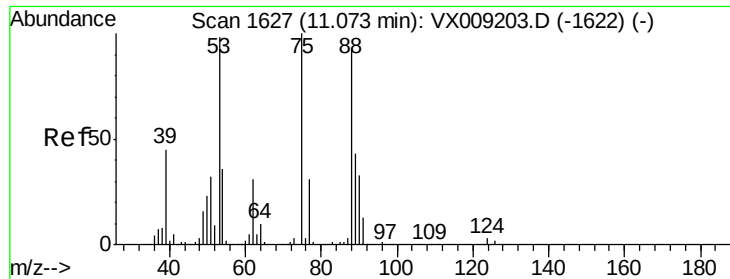
77 1.3 22.1 66.1#



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: 68.551 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009690.D

Acq: 18 May 2019 03:32

Instrument :

MSVOA_X

ClientSampleId :

VX0517WBL03

Tot Ion: 75 Resp: 59600

Ion Ratio Lower Upper

75 100

53 0.2 79.0 118.6#

89 0.0 34.7 52.1#

