

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX050219\
 Data File : VX009283.D
 Acq On : 02 May 2019 19:12
 Operator : JC/SP
 Sample : K2659-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS050MW109-190429

Quant Time: May 03 02:44:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 30 07:03:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	185014	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	296735	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	255470	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	105058	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	122206	48.39	ug/l	0.00
Spiked Amount			Recovery	=	96.78%	
35) Dibromofluoromethane	5.50	113	90614	48.58	ug/l	0.00
Spiked Amount			Recovery	=	97.16%	
50) Toluene-d8	8.71	98	370856	49.24	ug/l	0.00
Spiked Amount			Recovery	=	98.48%	
62) 4-Bromofluorobenzene	11.13	95	119497	43.67	ug/l	0.00
Spiked Amount			Recovery	=	87.34%	

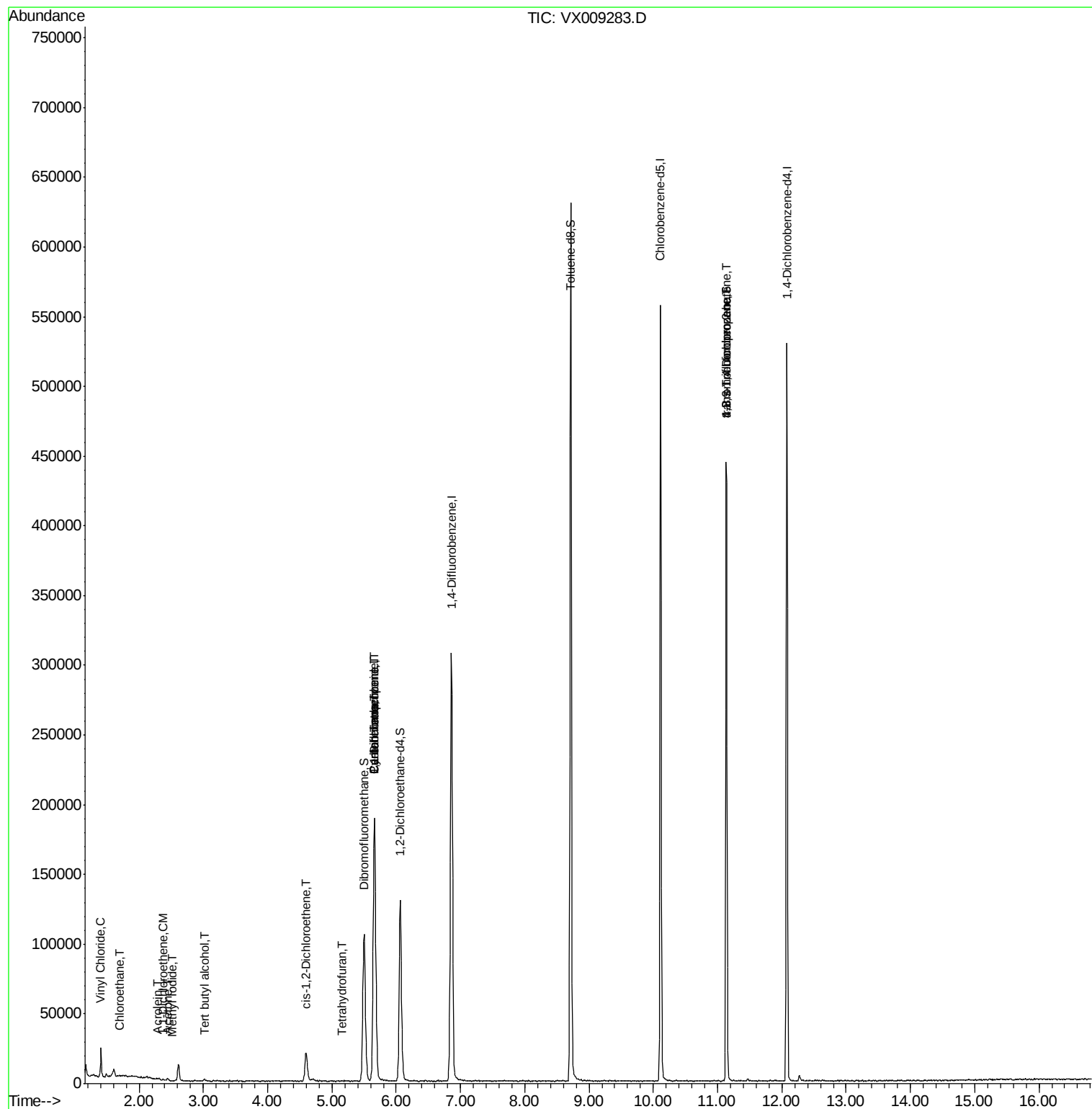
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.40	62	13448	5.925	ug/l	99
6) Chloroethane	1.70	64	1940	1.331	ug/l #	43
10) Methyl Iodide	2.52	142	90	4.634	ug/l #	42
11) Tert butyl alcohol	3.02	59	914	1.563	ug/l #	85
12) 1,1-Dichloroethene	2.37	96	348	0.200	ug/l #	81
13) Acrolein	2.29	56	181	0.342	ug/l #	1
16) Acetone	2.45	43	1858	1.370	ug/l #	88
27) cis-1,2-Dichloroethene	4.60	96	12584	5.600	ug/l	90
28) Bromochloromethane	5.01	49	54	Below Cal	#	20
29) Tetrahydrofuran	5.16	42	274	0.202	ug/l #	50
31) Cyclohexane	5.66	56	4077	1.092	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	14509	5.261	ug/l #	51
38) Carbon Tetrachloride	5.67	117	17536	6.999	ug/l #	15
76) 1,2,3-Trichloropropane	11.13	75	61518	25.244	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	61518	64.589	ug/l #	10

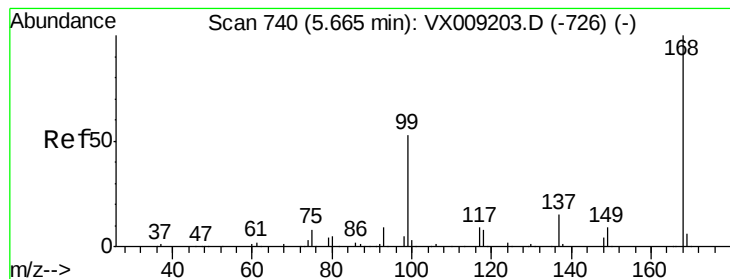
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
Quant Title : SW846 8260
QLast Update : Tue Apr 30 07:03:50 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX009283.D

Acq: 02 May 2019 19:12

Instrument :

MSVOA_X

ClientSampleId :

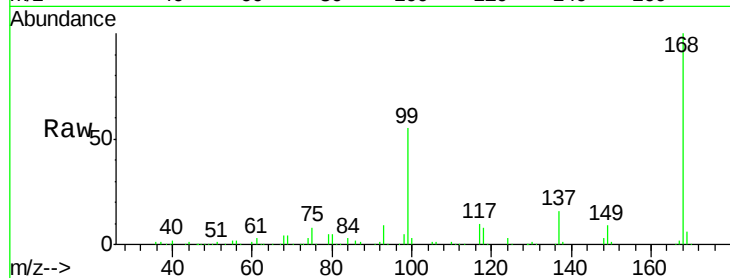
SS050MW109-190429

Tot Ion:168 Resp: 185014

Ion Ratio Lower Upper

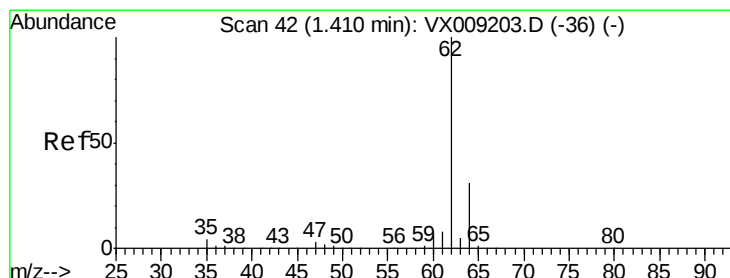
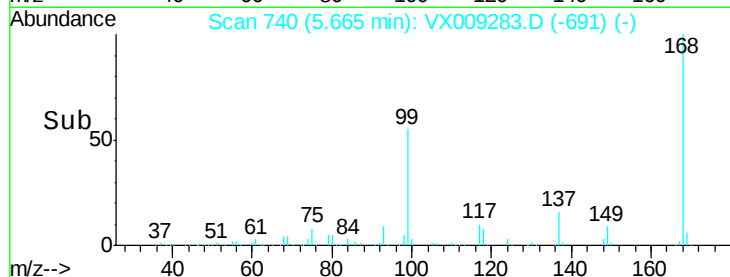
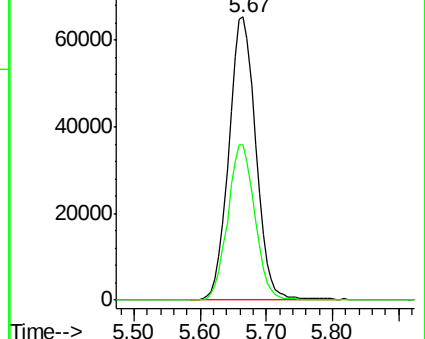
168 100

99 55.0 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#4

Vinyl Chloride

Concen: 5.925 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.01 min

Lab File: VX009283.D

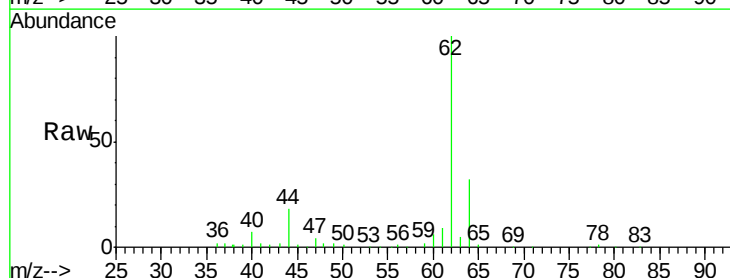
Acq: 02 May 2019 19:12

Tgt Ion: 62 Resp: 13448

Ion Ratio Lower Upper

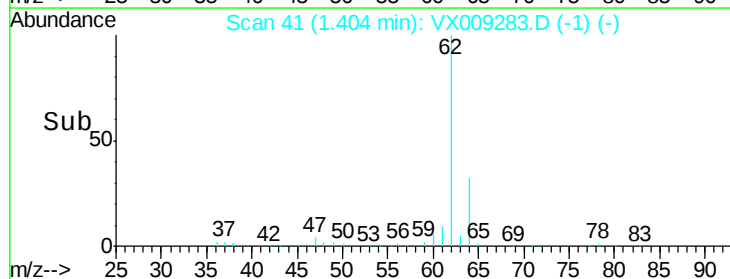
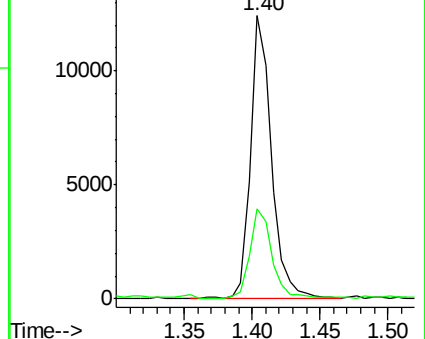
62 100

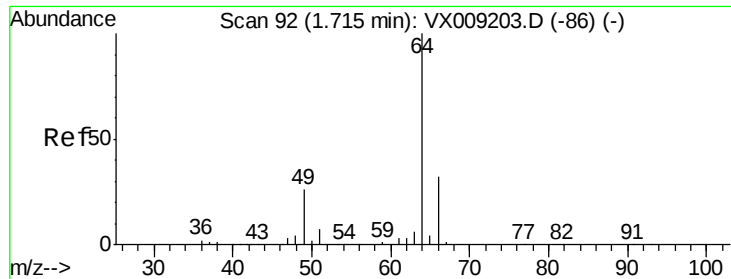
64 31.2 24.6 36.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#6

Chloroethane

Concen: 1.331 ug/l

RT: 1.70 min Scan# 90

Delta R.T. -0.01 min

Lab File: VX009283.D

Acq: 02 May 2019 19:12

Instrument :

MSVOA_X

ClientSampleId :

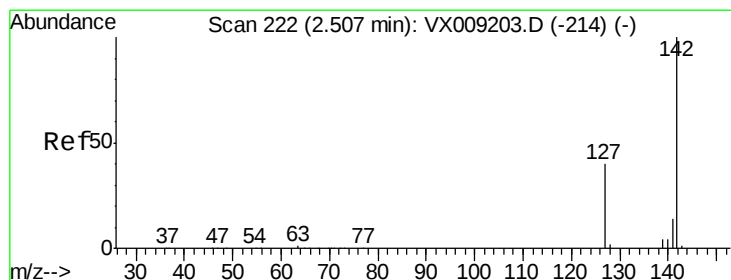
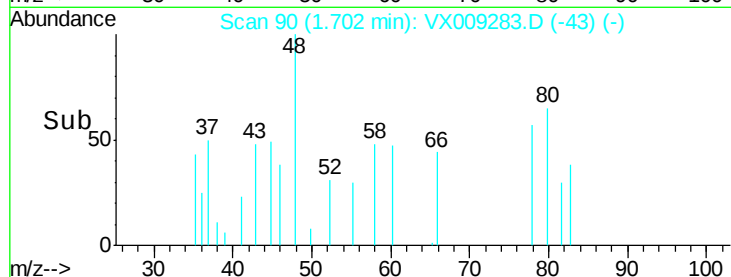
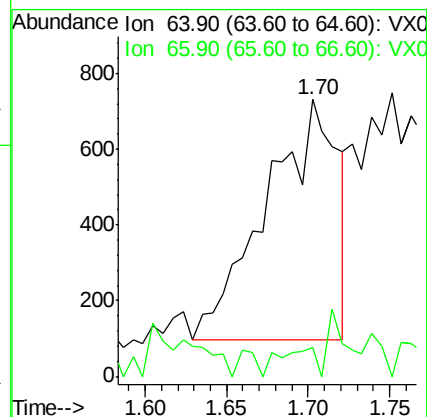
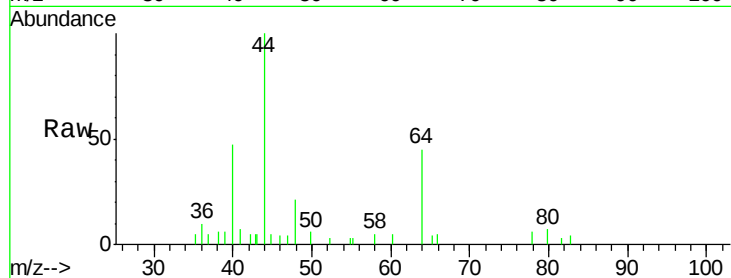
SS050MW109-190429

Tot Ion: 64 Resp: 1940

Ion Ratio Lower Upper

64 100

66 0.0 25.3 37.9#



#10

Methyl Iodide

Concen: 4.634 ug/l

RT: 2.52 min Scan# 224

Delta R.T. 0.01 min

Lab File: VX009283.D

Acq: 02 May 2019 19:12

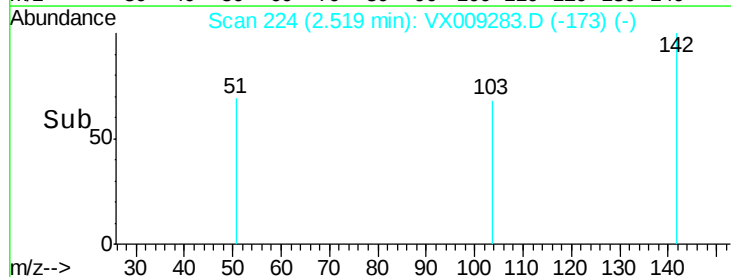
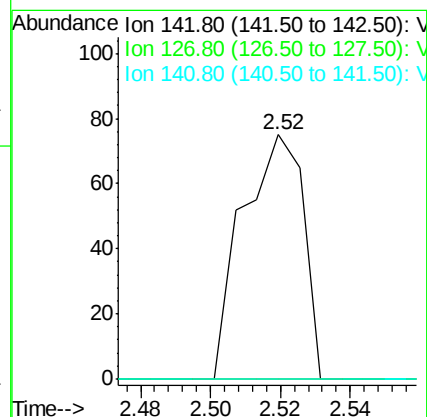
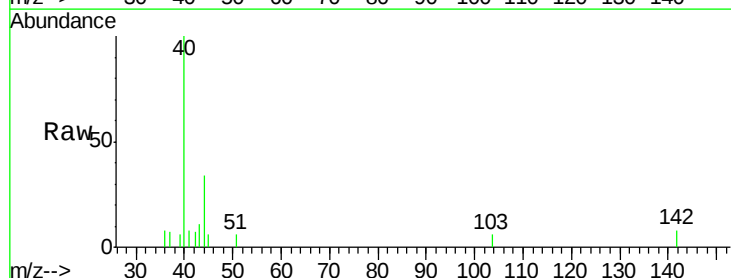
Tgt Ion: 142 Resp: 90

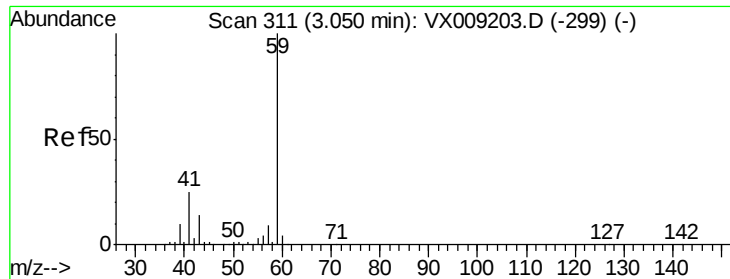
Ion Ratio Lower Upper

142 100

127 0.0 32.7 49.1#

141 0.0 11.5 17.3#

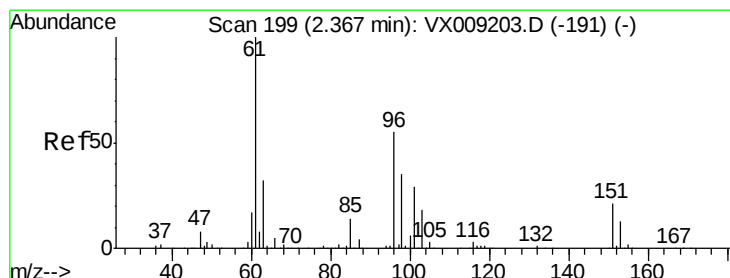
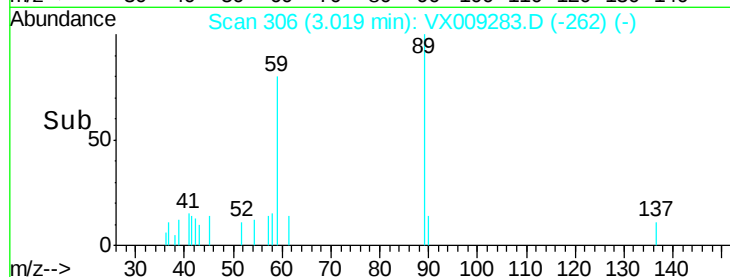
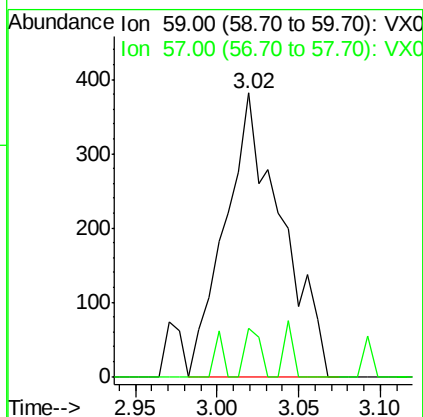
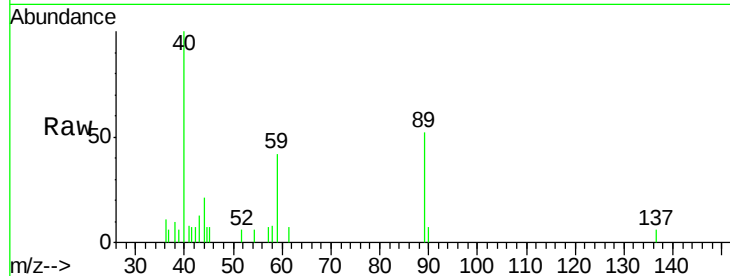




#11
Tert butyl alcohol
Concen: 1.563 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.03 min
Lab File: VX009283.D
Acq: 02 May 2019 19:12

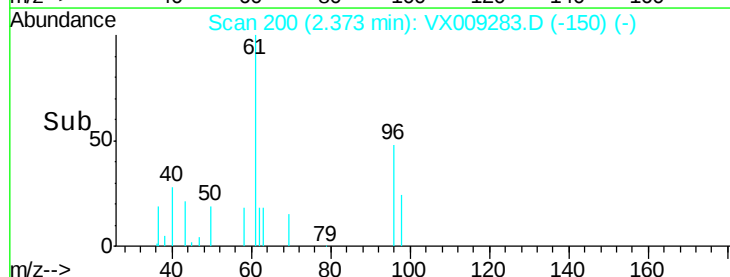
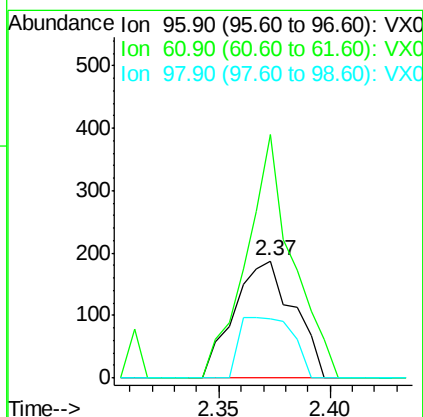
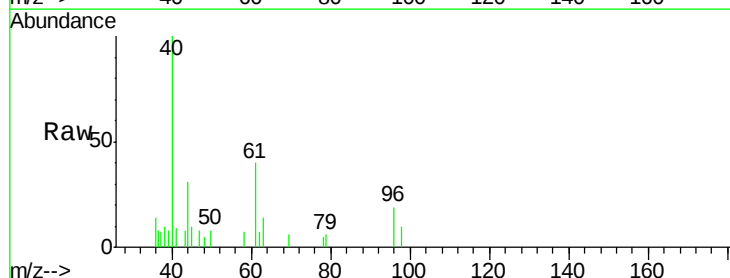
Instrument :
MSVOA_X
ClientSampleId :
SS050MW109-190429

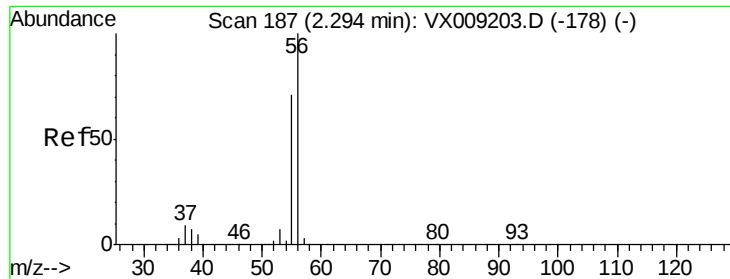
Tot Ion: 59 Resp: 914
Ion Ratio Lower Upper
59 100
57 4.7 8.2 12.2#



#12
1,1-Dichloroethene
Concen: 0.200 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.01 min
Lab File: VX009283.D
Acq: 02 May 2019 19:12

Tgt Ion: 96 Resp: 348
Ion Ratio Lower Upper
96 100
61 208.6 144.3 216.5
98 50.3 50.3 75.5#





#13

Acrolein

Concen: 0.342 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX009283.D

Acq: 02 May 2019 19:12

Instrument :

MSVOA_X

ClientSampleId :

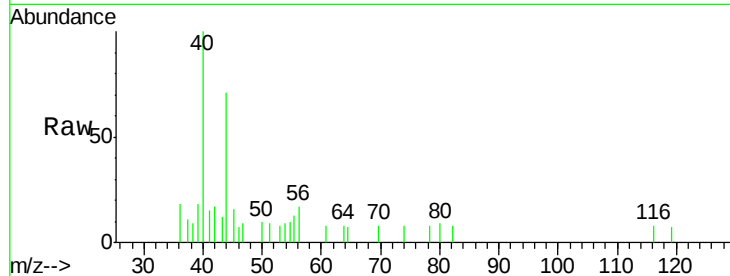
SS050MW109-190429

Tot Ion: 56 Resp: 181

Ion Ratio Lower Upper

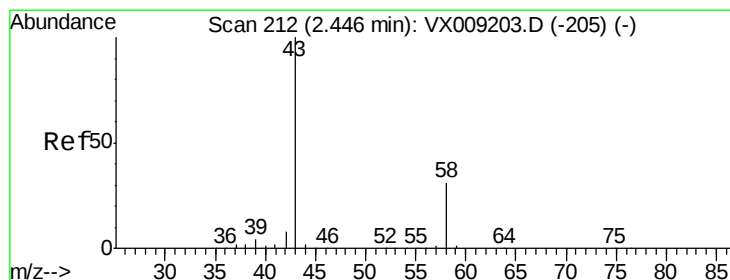
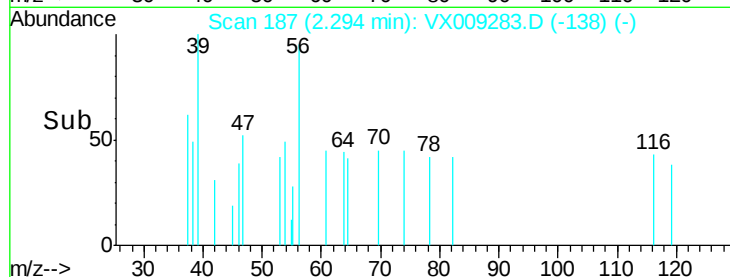
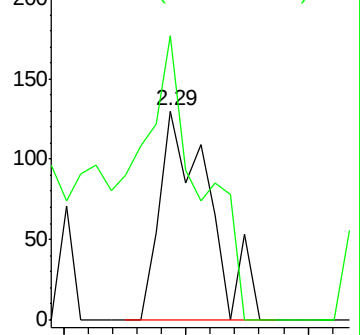
56 100

55 167.4 56.6 85.0#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 1.370 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX009283.D

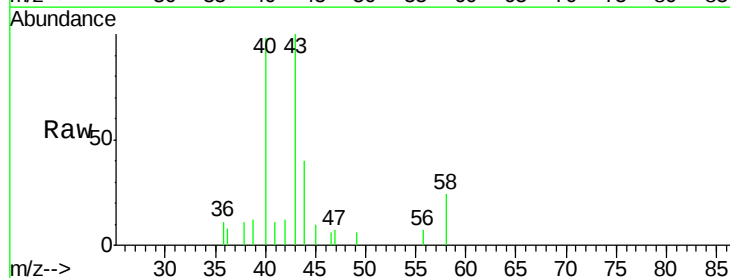
Acq: 02 May 2019 19:12

Tgt Ion: 43 Resp: 1858

Ion Ratio Lower Upper

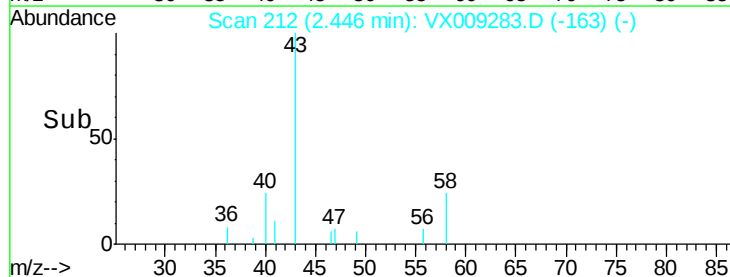
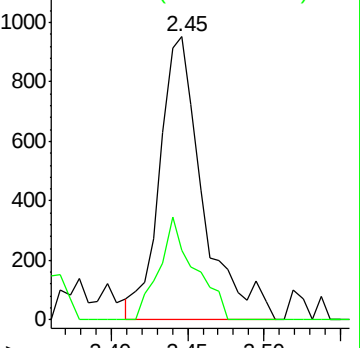
43 100

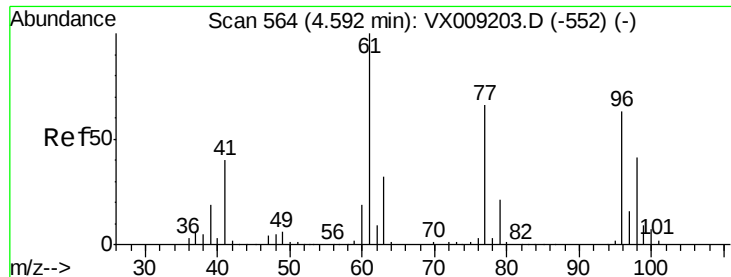
58 24.5 24.9 37.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



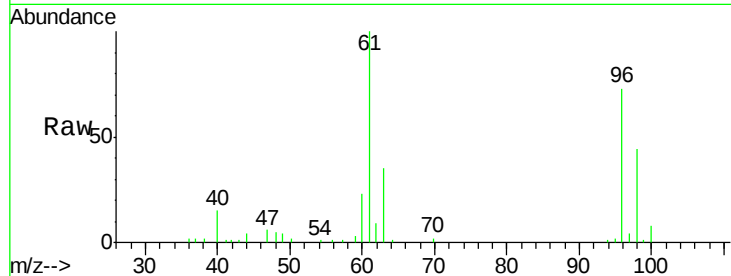


#27

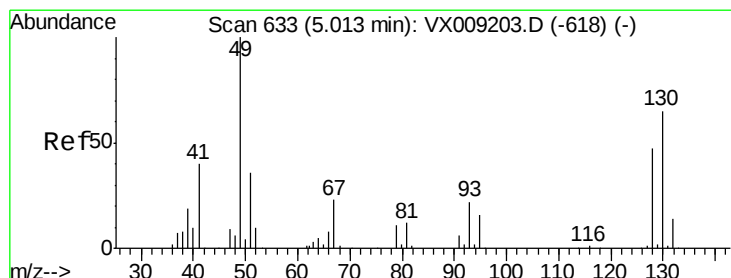
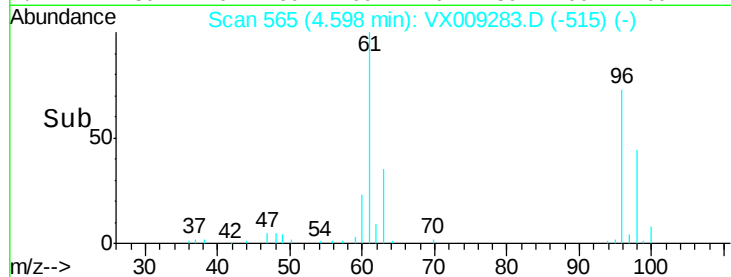
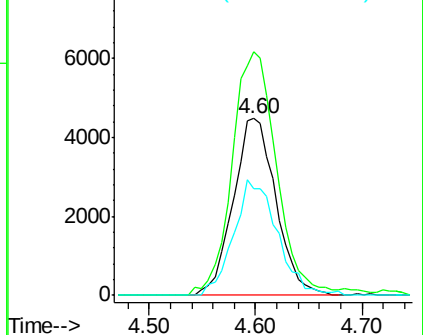
cis-1,2-Dichloroethene
 Concen: 5.600 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. 0.01 min
 Lab File: VX009283.D
 Acq: 02 May 2019 19:12

Instrument :
 MSVOA_X
 ClientSampleId :
 SS050MW109-190429

Tot Ion: 96 Resp: 12584
 Ion Ratio Lower Upper
 96 100
 61 143.4 0.0 324.0
 98 66.6 0.0 130.4



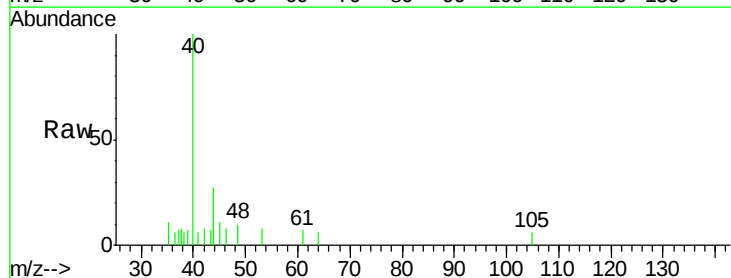
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



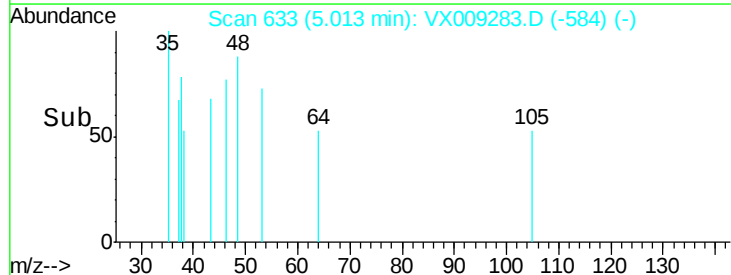
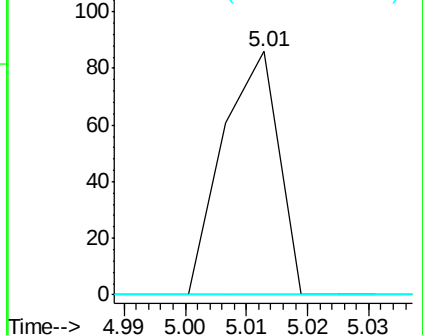
#28

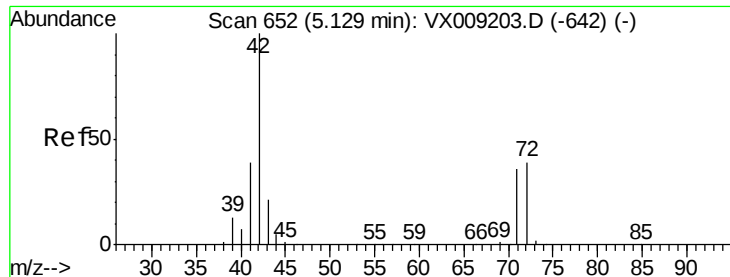
Bromochloromethane
 Concen: Below Cal
 RT: 5.01 min Scan# 633
 Delta R.T. 0.00 min
 Lab File: VX009283.D
 Acq: 02 May 2019 19:12

Tgt Ion: 49 Resp: 54
 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





#29

Tetrahydrofuran

Concen: 0.202 ug/l

RT: 5.16 min Scan# 657

Delta R.T. 0.03 min

Lab File: VX009283.D

Acq: 02 May 2019 19:12

Instrument :

MSVOA_X

ClientSampleId :

SS050MW109-190429

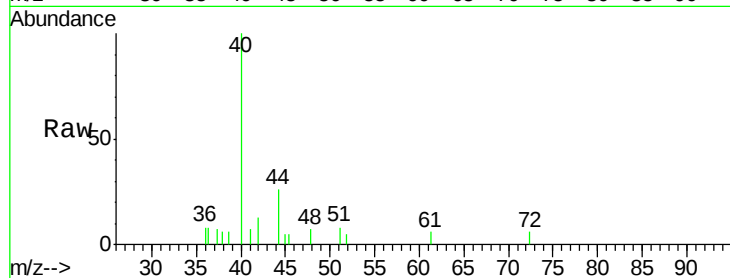
Tot Ion: 42 Resp: 274

Ion Ratio Lower Upper

42 100

72 0.0 30.4 45.6#

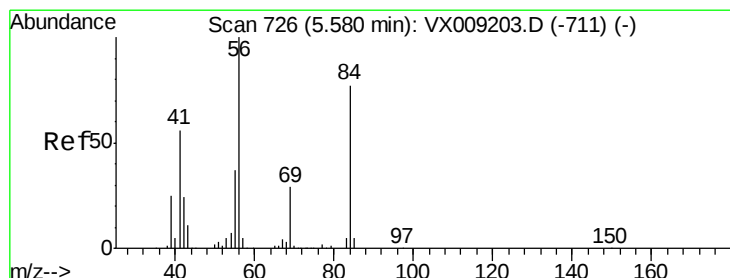
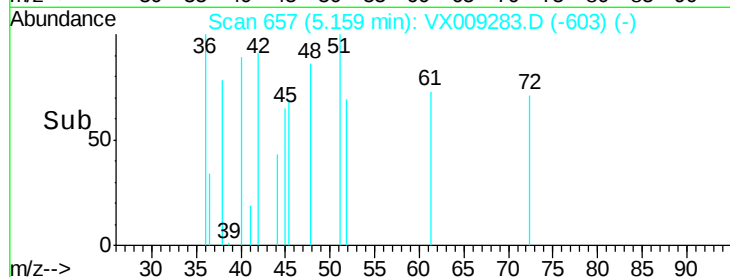
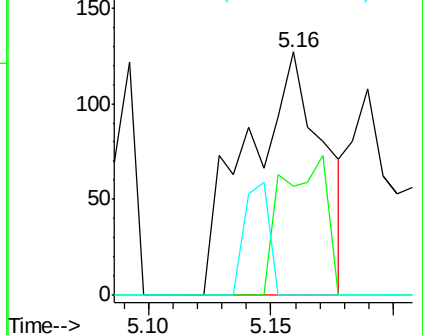
71 15.0 28.6 43.0#



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#31

Cyclohexane

Concen: 1.092 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.08 min

Lab File: VX009283.D

Acq: 02 May 2019 19:12

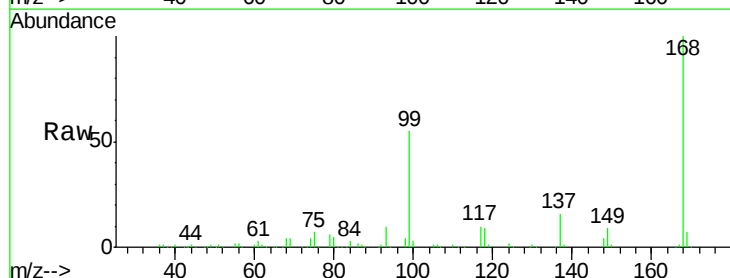
Tgt Ion: 56 Resp: 4077

Ion Ratio Lower Upper

56 100

69 192.9 23.4 35.0#

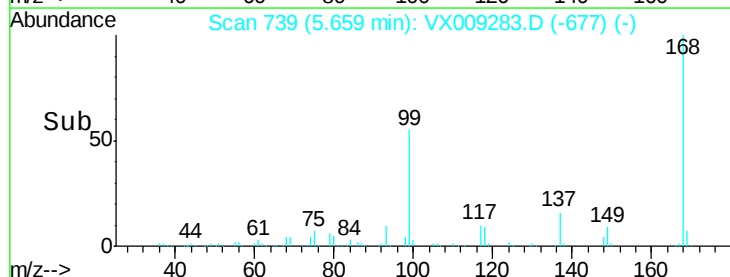
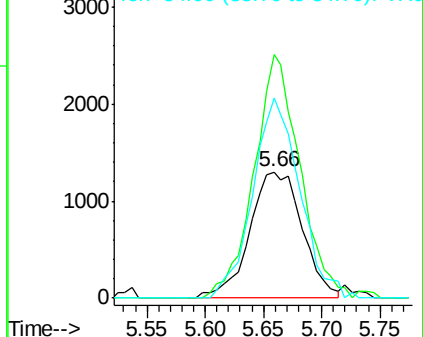
84 158.2 61.9 92.9#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 48.386 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX009283.D

Acq: 02 May 2019 19:12

Instrument :

MSVOA_X

ClientSampleId :

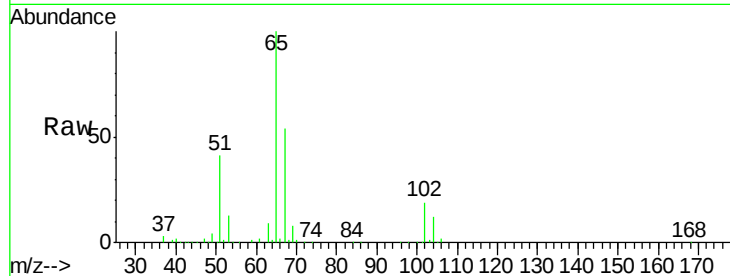
SS050MW109-190429

Tot Ion: 65 Resp: 122206

Ion Ratio Lower Upper

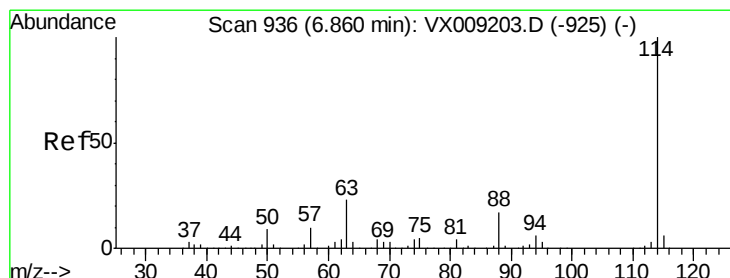
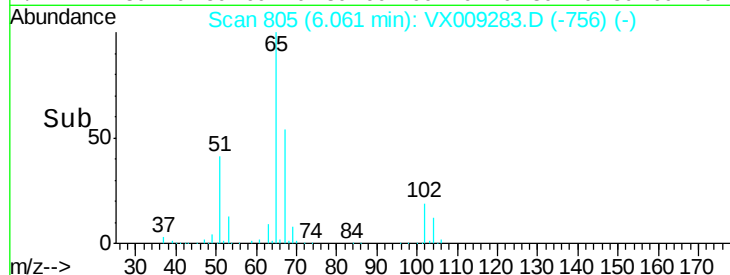
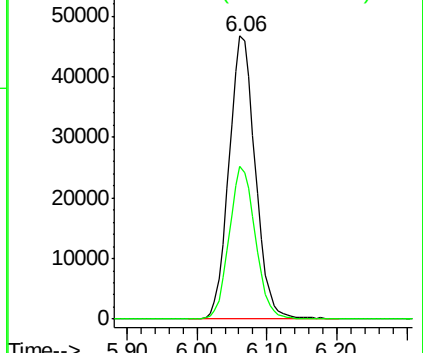
65 100

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: VX009283.D

Acq: 02 May 2019 19:12

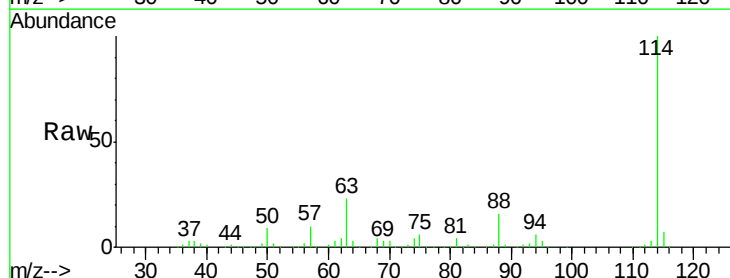
Tgt Ion: 114 Resp: 296735

Ion Ratio Lower Upper

114 100

63 23.1 0.0 45.6

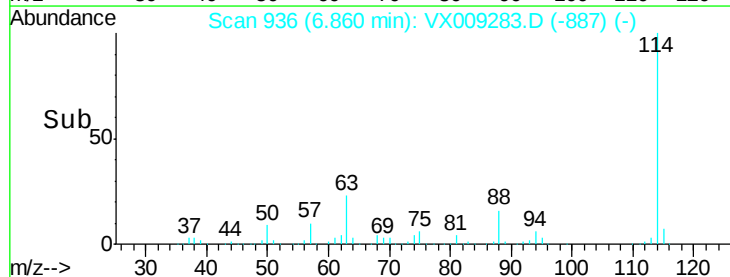
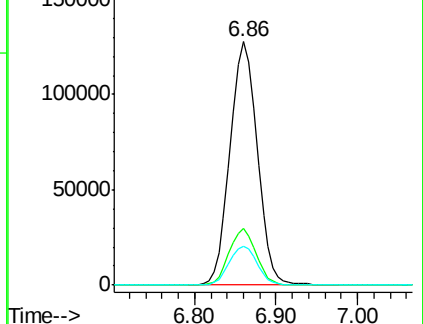
88 16.2 0.0 33.2

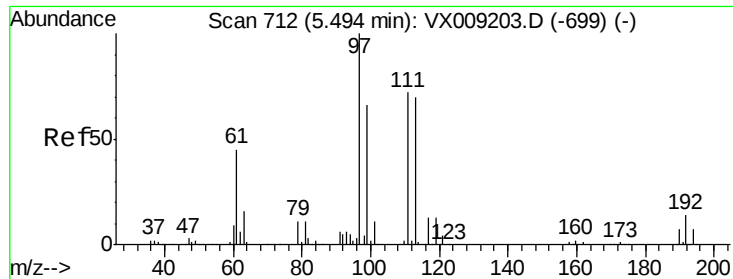


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

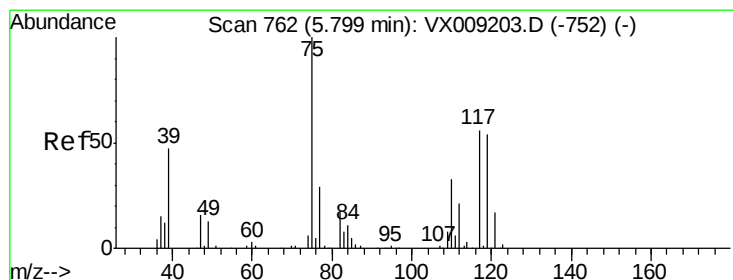
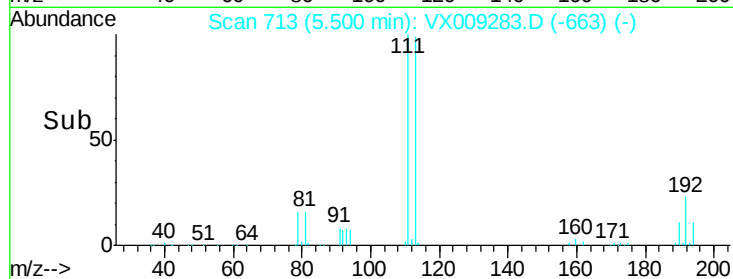
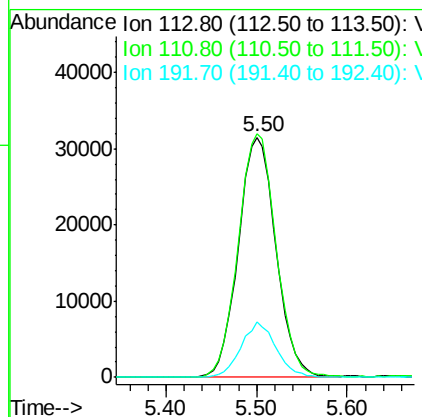
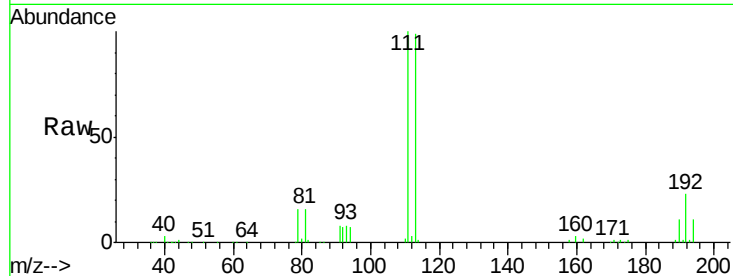




#35
 Dibromofluoromethane
 Concen: 48.576 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX009283.D
 Acq: 02 May 2019 19:12

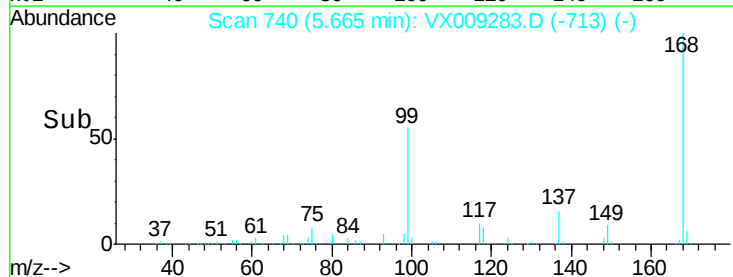
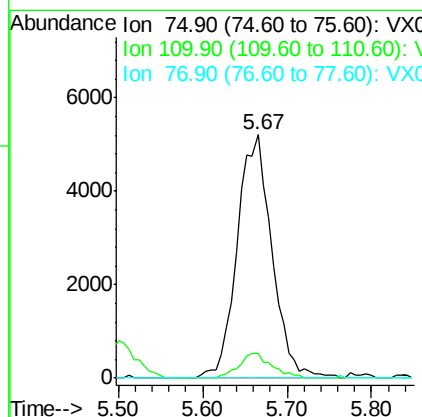
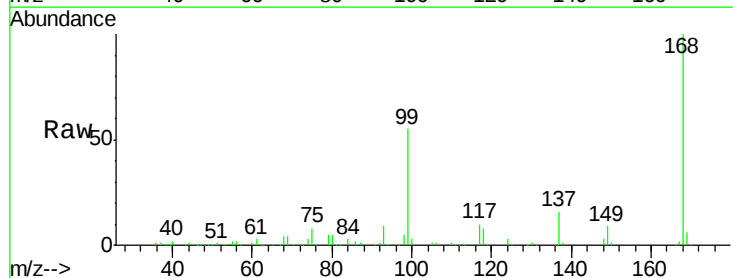
Instrument :
 MSVOA_X
 ClientSampleId :
 SS050MW109-190429

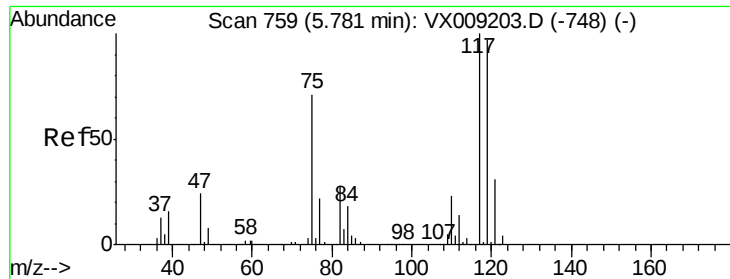
Tot Ion:113 Resp: 90614
 Ion Ratio Lower Upper
 113 100
 111 101.9 82.8 124.2
 192 21.5 17.0 25.6



#36
 1,1-Dichloropropene
 Concen: 5.261 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX009283.D
 Acq: 02 May 2019 19:12

Tgt Ion: 75 Resp: 14509
 Ion Ratio Lower Upper
 75 100
 110 9.6 16.9 50.6#
 77 0.0 24.8 37.2#





#38

Carbon Tetrachloride

Concen: 6.999 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX009283.D

Acq: 02 May 2019 19:12

Instrument :

MSVOA_X

ClientSampleId :

SS050MW109-190429

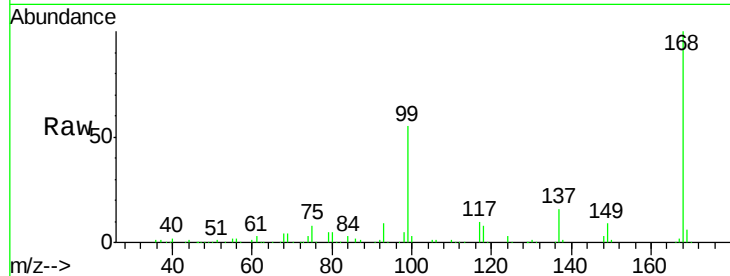
Tot Ion:117 Resp: 17536

Ion Ratio Lower Upper

117 100

119 4.7 77.5 116.3#

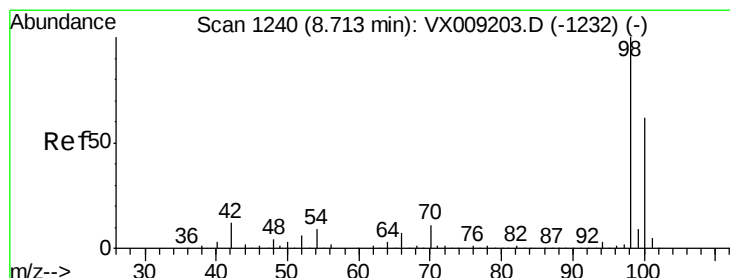
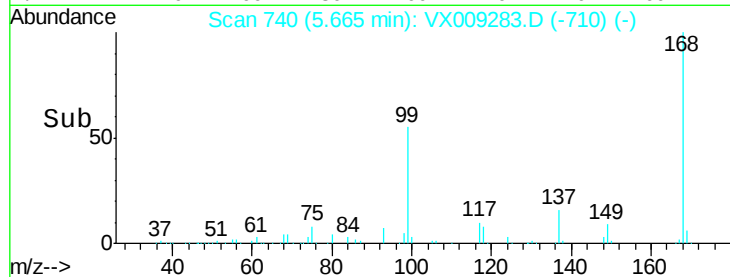
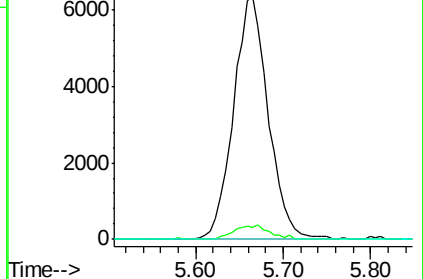
121 0.0 24.7 37.1#



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: 49.244 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX009283.D

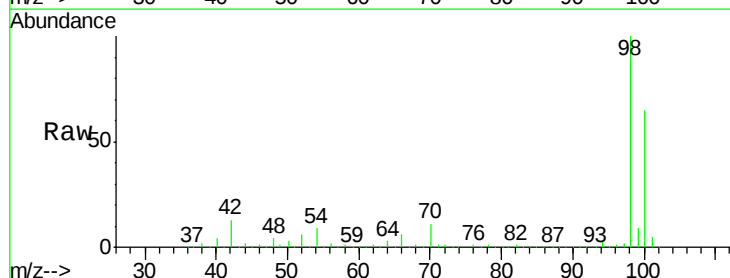
Acq: 02 May 2019 19:12

Tgt Ion: 98 Resp: 370856

Ion Ratio Lower Upper

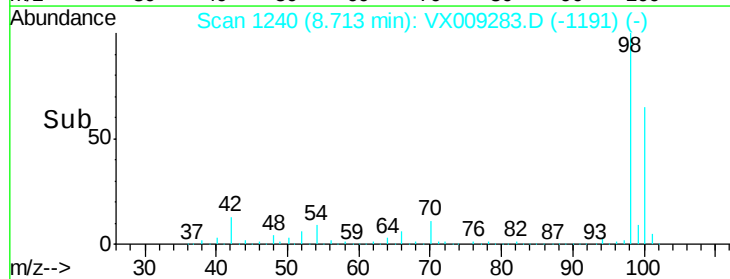
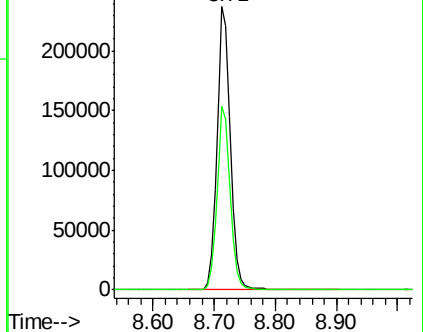
98 100

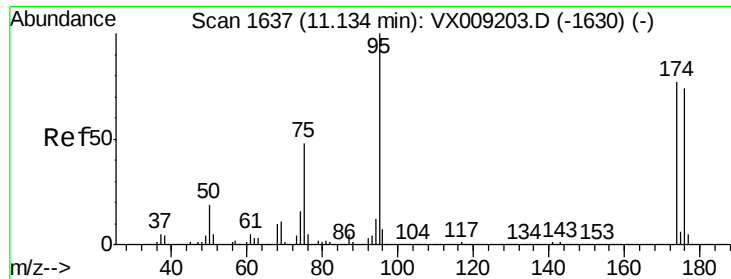
100 64.2 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 43.668 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009283.D

Acq: 02 May 2019 19:12

Instrument :

MSVOA_X

ClientSampleId :

SS050MW109-190429

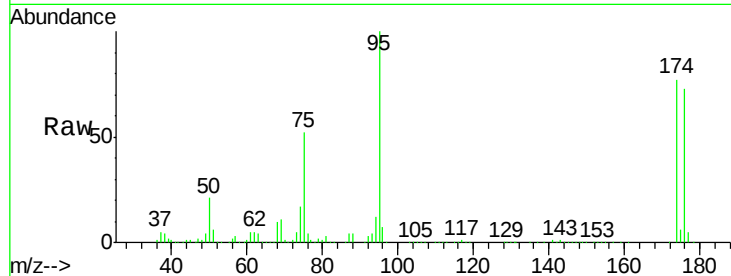
Tot Ion: 95 Resp: 119497

Ion Ratio Lower Upper

95 100

174 82.3 0.0 161.6

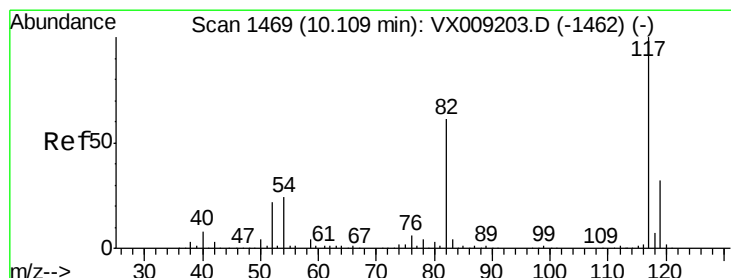
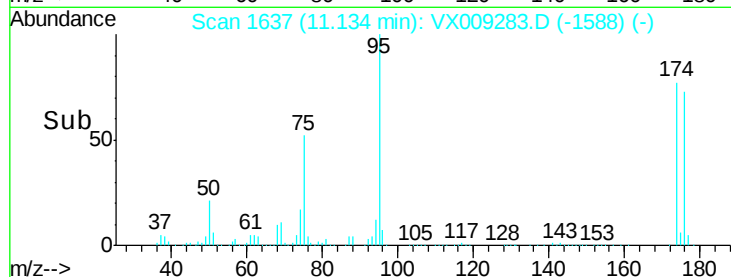
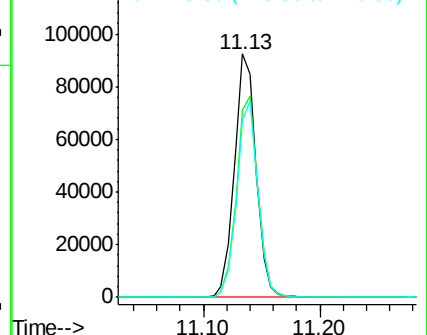
176 79.3 0.0 159.2



Abundance Ion 94.90 (94.60 to 95.60): VX009283.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX009283.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX009283.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. 0.01 min

Lab File: VX009283.D

Acq: 02 May 2019 19:12

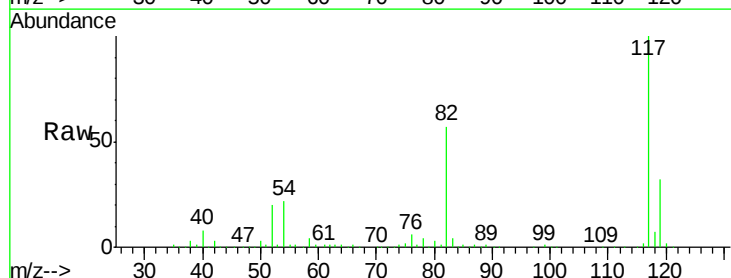
Tgt Ion: 117 Resp: 255470

Ion Ratio Lower Upper

117 100

82 56.7 48.8 73.2

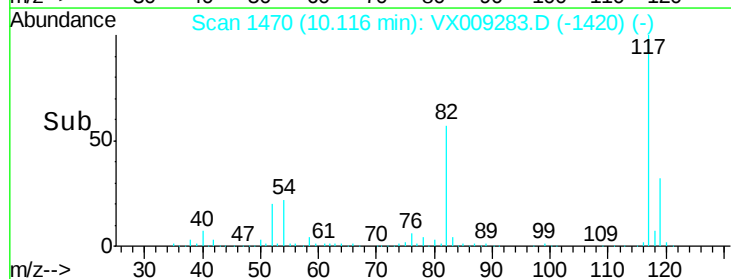
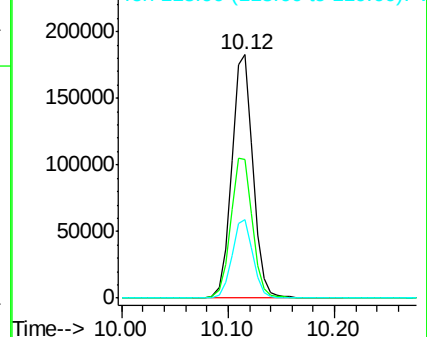
119 32.3 25.8 38.6

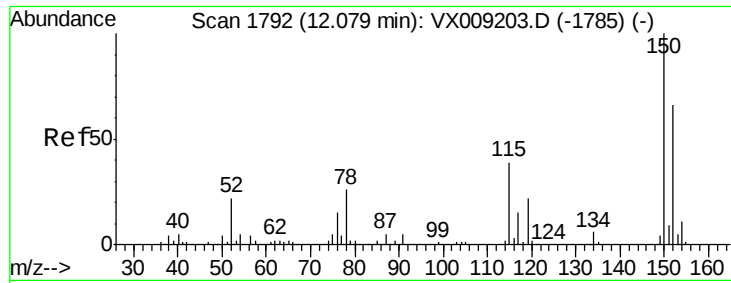


Abundance Ion 116.90 (116.60 to 117.60): VX009283.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX009283.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX009283.D (-1420) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX009283.D

Acq: 02 May 2019 19:12

Instrument :

MSVOA_X

ClientSampleId :

SS050MW109-190429

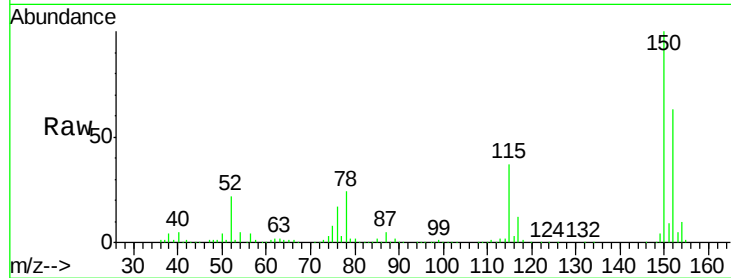
Tot Ion:152 Resp: 105058

Ion Ratio Lower Upper

152 100

115 58.6 41.2 123.6

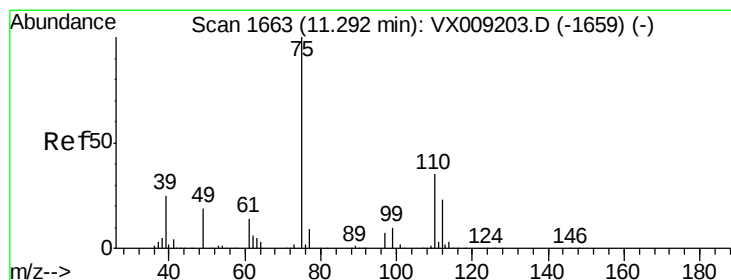
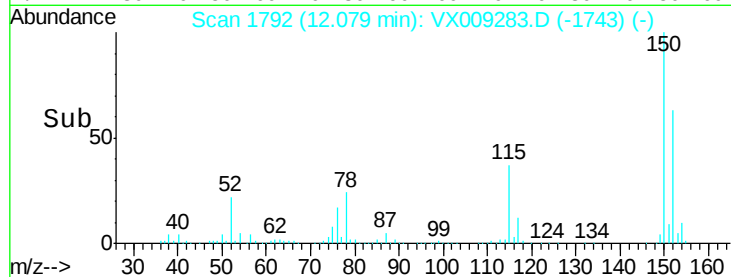
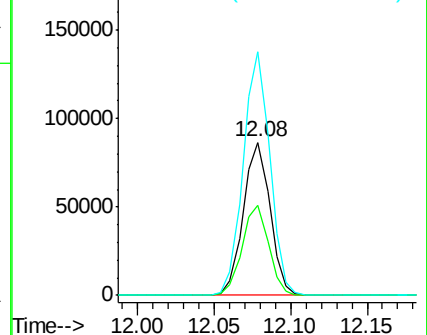
150 158.4 0.0 346.4



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: 25.244 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009283.D

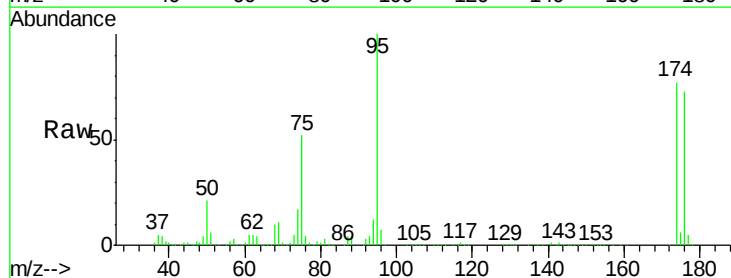
Acq: 02 May 2019 19:12

Tgt Ion: 75 Resp: 61518

Ion Ratio Lower Upper

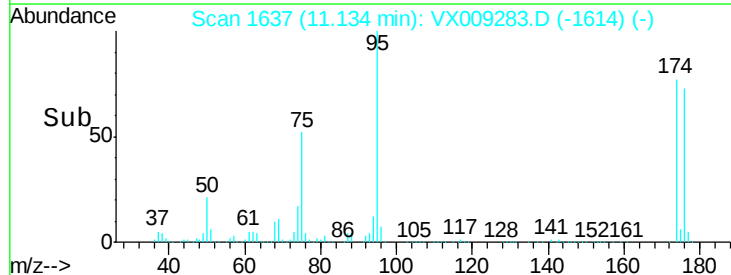
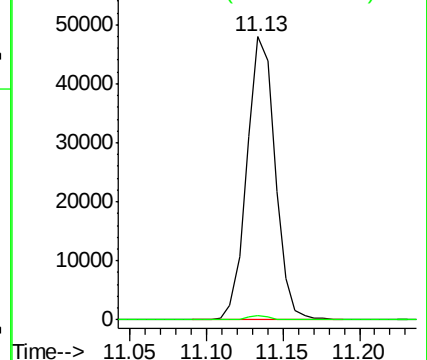
75 100

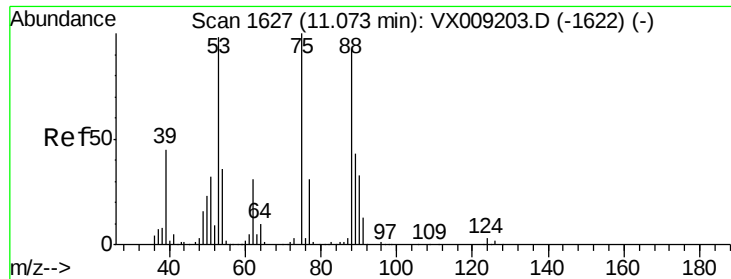
77 1.3 22.1 66.1#



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: 64.589 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009283.D

Acq: 02 May 2019 19:12

Instrument :

MSVOA_X

ClientSampleId :

SS050MW109-190429

Tot Ion: 75 Resp: 61518

Ion Ratio Lower Upper

75 100

53 0.2 79.0 118.6#

89 0.0 34.7 52.1#

