

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX052119\
 Data File : VX009787.D
 Acq On : 22 May 2019 07:44
 Operator : JC/SP
 Sample : K2953-18
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-17C_R2

Quant Time: May 22 09:04:24 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	5.67	168	178069	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	286837	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	255438	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	110812	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	123196	50.68	ug/l	0.00
Spiked Amount			Recovery	=	101.36%	
35) Dibromofluoromethane	5.50	113	88567	49.12	ug/l	0.00
Spiked Amount			Recovery	=	98.24%	
50) Toluene-d8	8.71	98	362204	49.75	ug/l	0.00
Spiked Amount			Recovery	=	99.50%	
62) 4-Bromofluorobenzene	11.13	95	121762	46.03	ug/l	0.00
Spiked Amount			Recovery	=	92.06%	

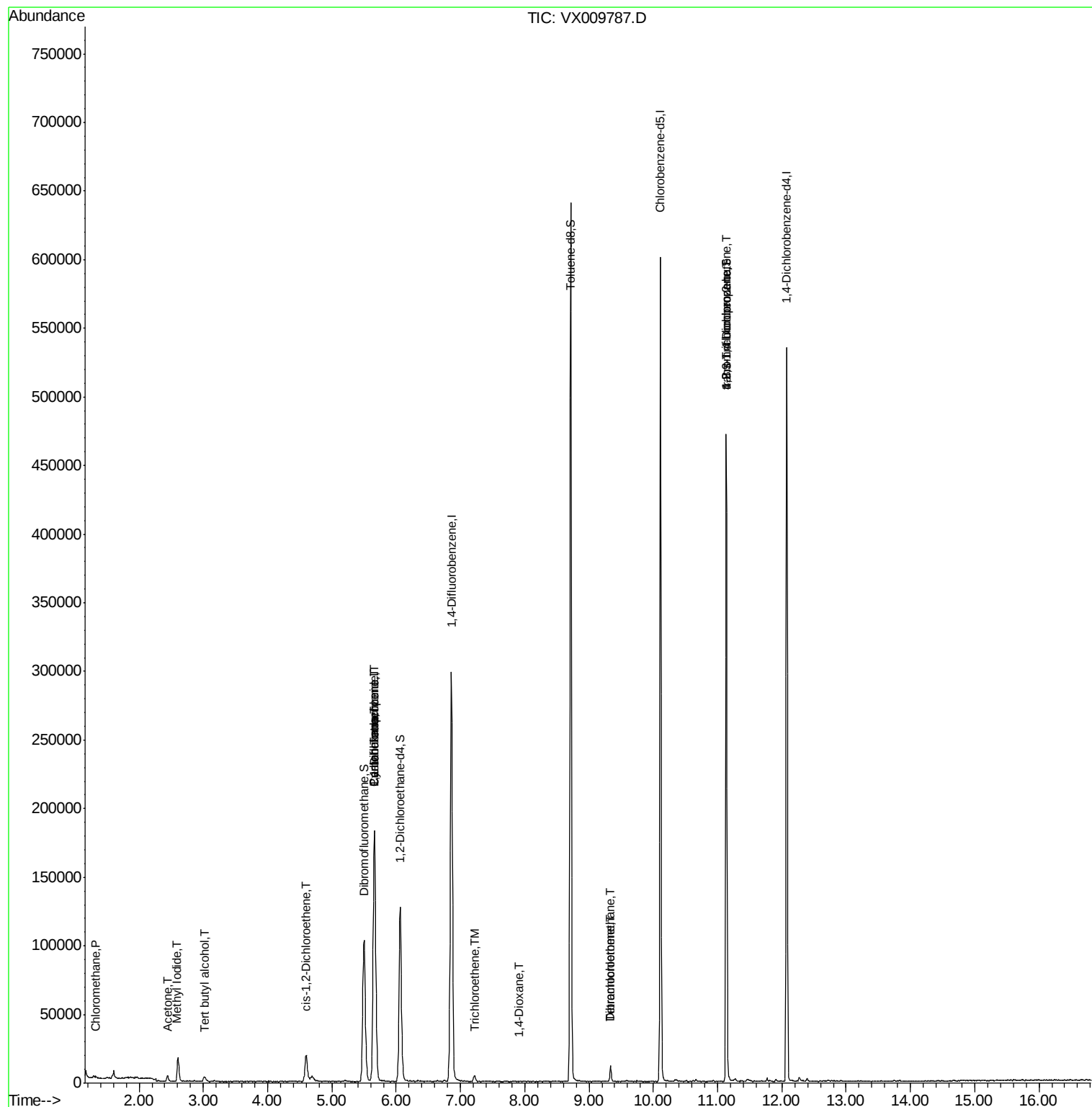
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	705	0.315	ug/l	95
10) Methyl Iodide	2.59	142	21	4.604	ug/l #	42
11) Tert butyl alcohol	3.01	59	2583	4.591	ug/l #	78
16) Acetone	2.44	43	5001	3.831	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	11495	5.315	ug/l	92
28) Bromochloromethane	5.01	49	195	Below Cal	#	20
31) Cyclohexane	5.65	56	3963	1.103	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	14107	5.292	ug/l #	51
38) Carbon Tetrachloride	5.66	117	16886	6.972	ug/l #	17
44) Trichloroethene	7.22	130	1596	0.800	ug/l	95
49) 1,4-Dioxane	7.91	88	21	0.351	ug/l #	1
60) Dibromochloromethane	9.34	129	1951	0.976	ug/l #	11
64) Tetrachloroethene	9.34	164	2276	1.299	ug/l	88
76) 1,2,3-Trichloropropane	11.13	75	62247	24.216	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	62247	61.961	ug/l #	10

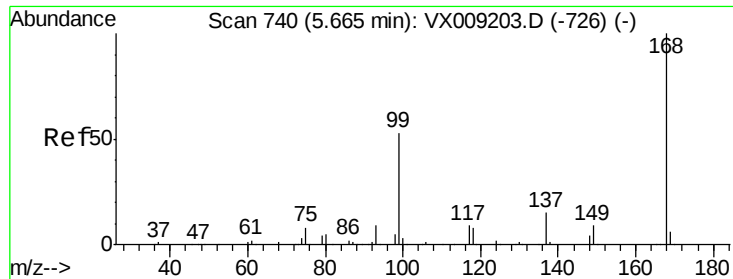
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX052119\
Data File : VX009787.D
Acq On : 22 May 2019 07:44
Operator : JC/SP
Sample : K2953-18
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 50 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleID :
MW-17C_R2

Quant Time: May 22 09:04:24 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: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX009787.D

Acq: 22 May 2019 07:44

Instrument :

MSVOA_X

ClientSampleId :

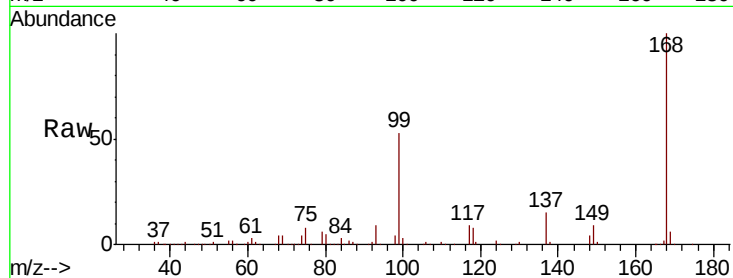
MW-17C_R2

Tot Ion:168 Resp: 178069

Ion Ratio Lower Upper

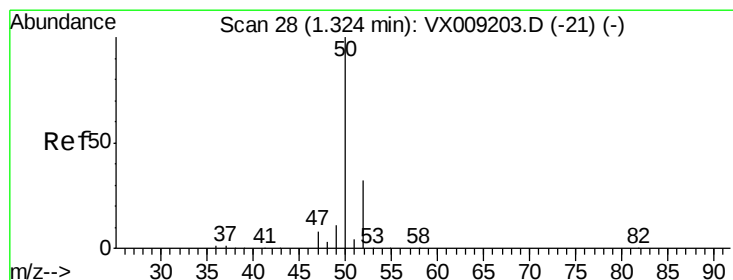
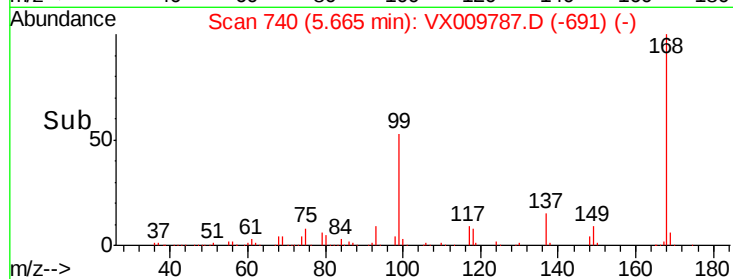
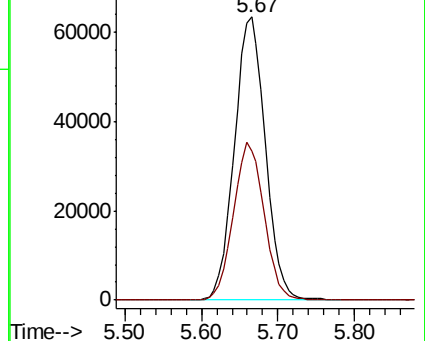
168 100

99 52.5 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: 0.315 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX009787.D

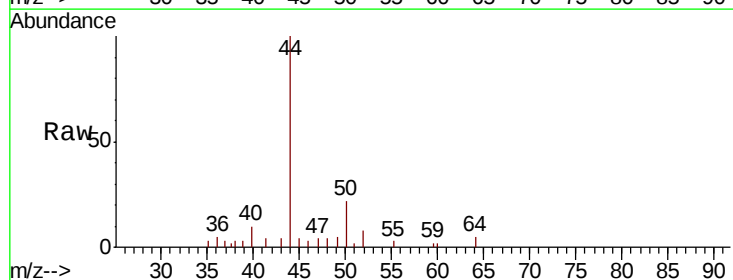
Acq: 22 May 2019 07:44

Tgt Ion: 50 Resp: 705

Ion Ratio Lower Upper

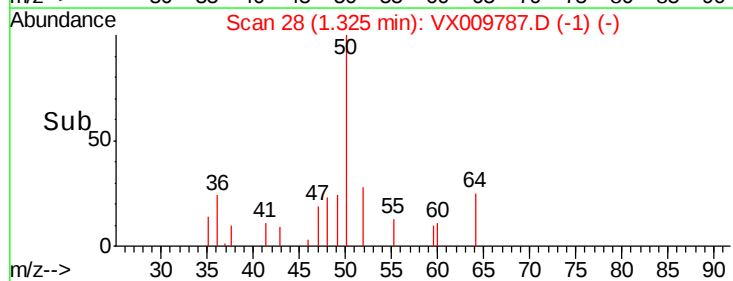
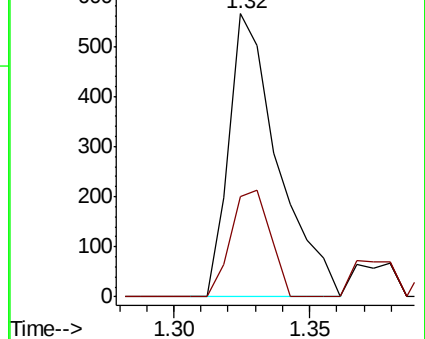
50 100

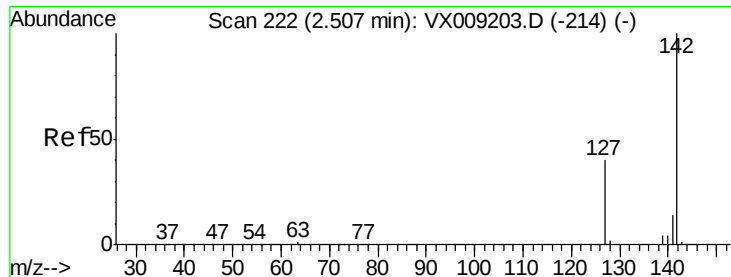
52 35.2 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

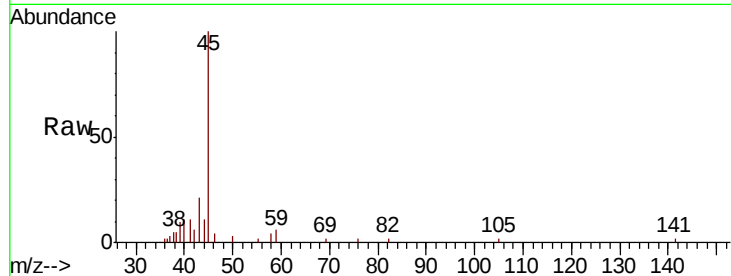




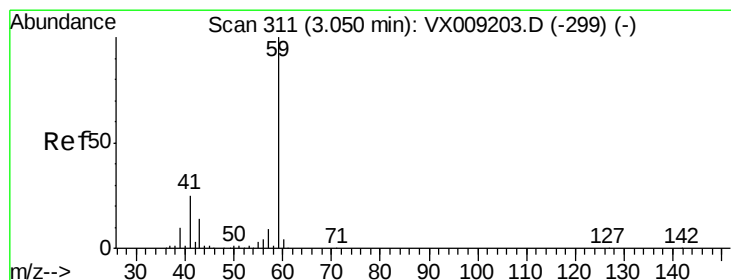
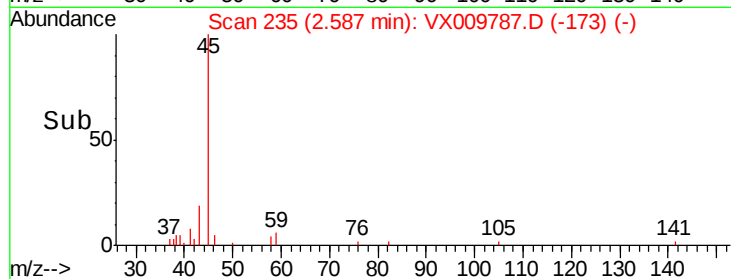
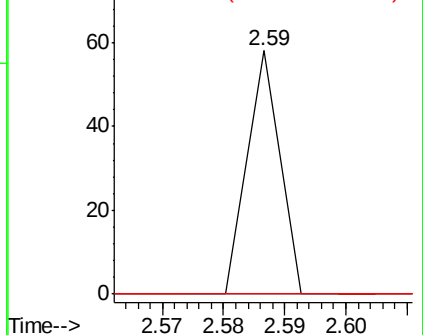
#10
Methvl Iodide
Concen: 4.604 ug/l
RT: 2.59 min Scan# 235
Delta R.T. 0.08 min
Lab File: VX009787.D
Acq: 22 May 2019 07:44

Instrument :
MSVOA_X
ClientSampleId :
MW-17C_R2

Tot Ion:142 Resp: 21
Ion Ratio Lower Upper
142 100
127 0.0 32.7 49.1#
141 0.0 11.5 17.3#

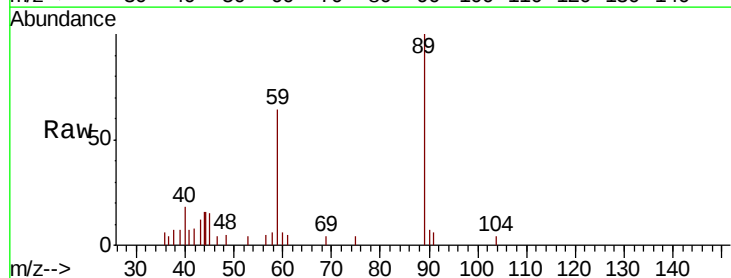


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

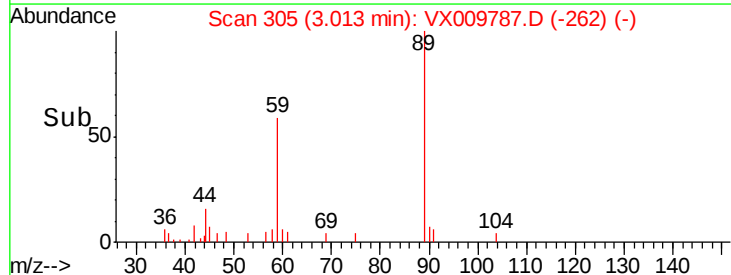
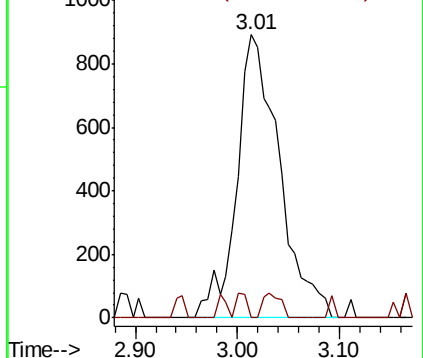


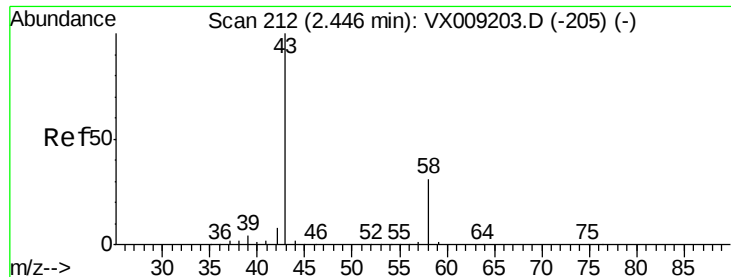
#11
Tert butyl alcohol
Concen: 4.591 ug/l
RT: 3.01 min Scan# 305
Delta R.T. -0.04 min
Lab File: VX009787.D
Acq: 22 May 2019 07:44

Tgt Ion: 59 Resp: 2583
Ion Ratio Lower Upper
59 100
57 2.2 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0





#16

Acetone

Concen: 3.831 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX009787.D

Acq: 22 May 2019 07:44

Instrument :

MSVOA_X

ClientSampleId :

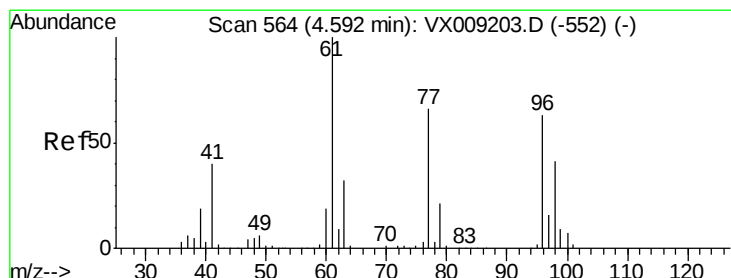
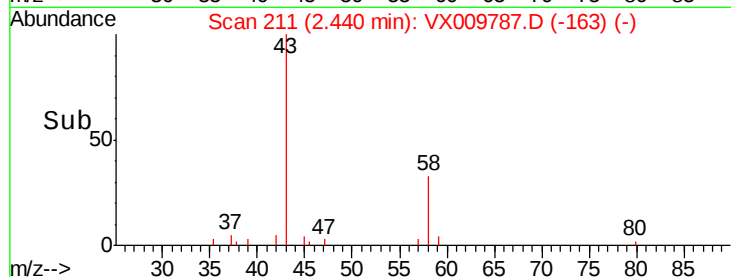
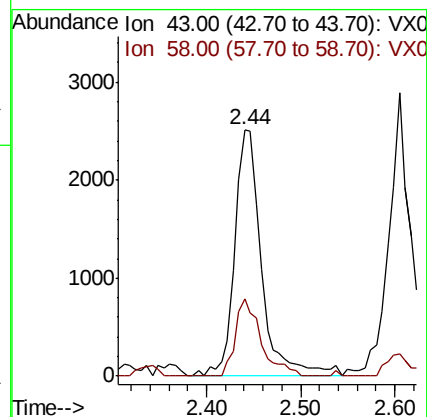
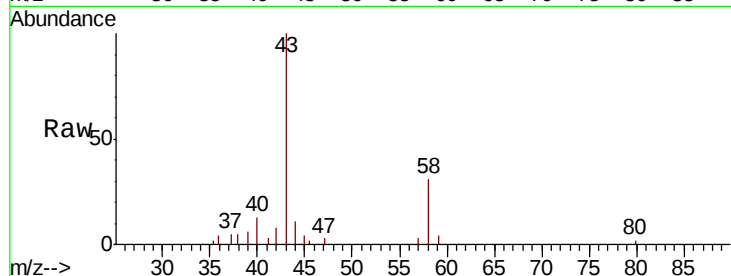
MW-17C_R2

Tot Ion: 43 Resp: 5001

Ion Ratio Lower Upper

43 100

58 31.5 24.9 37.3



#27

cis-1,2-Dichloroethene

Concen: 5.315 ug/l

RT: 4.60 min Scan# 566

Delta R.T. 0.01 min

Lab File: VX009787.D

Acq: 22 May 2019 07:44

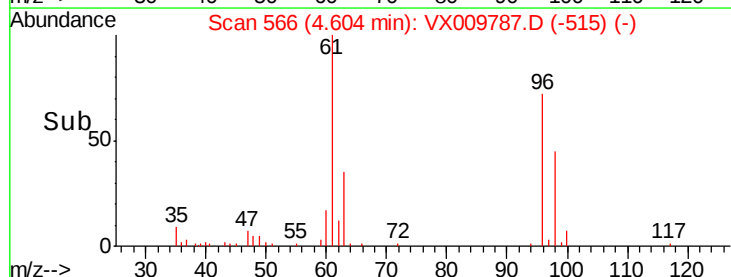
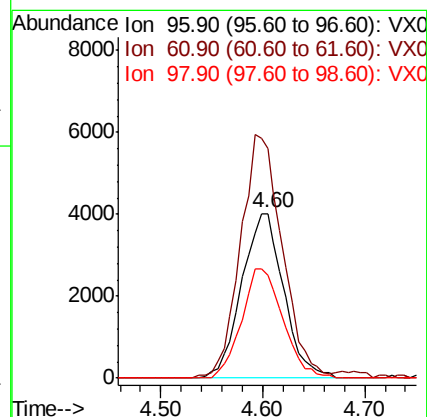
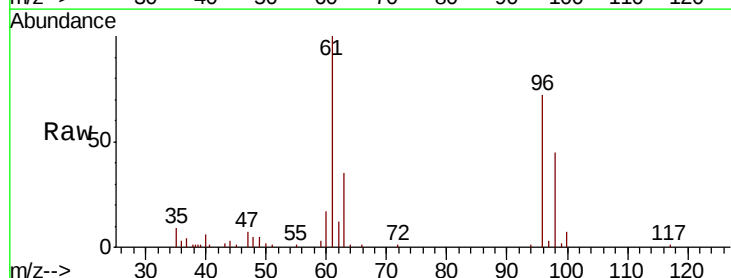
Tgt Ion: 96 Resp: 11495

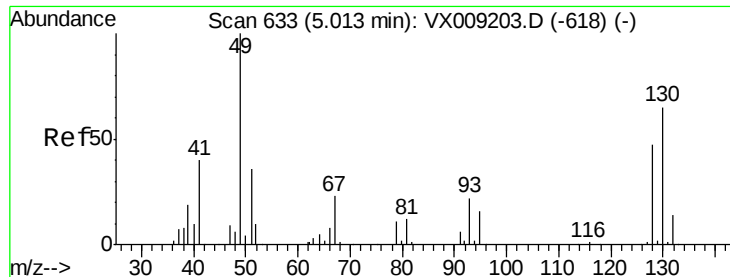
Ion Ratio Lower Upper

96 100

61 147.1 0.0 324.0

98 65.5 0.0 130.4





#28

Bromochloromethane

Concen: Below Cal

RT: 5.01 min Scan# 633

Delta R.T. 0.00 min

Lab File: VX009787.D

Acq: 22 May 2019 07:44

Instrument :

MSVOA_X

ClientSampleId :

MW-17C_R2

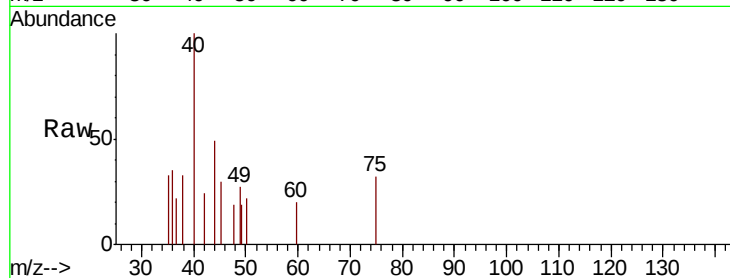
Tot Ion: 49 Resp: 195

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

130 0.0 51.2 76.8#



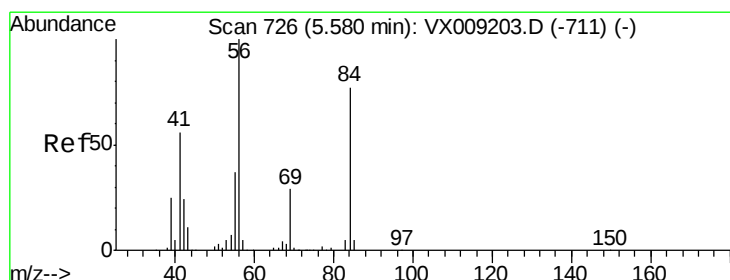
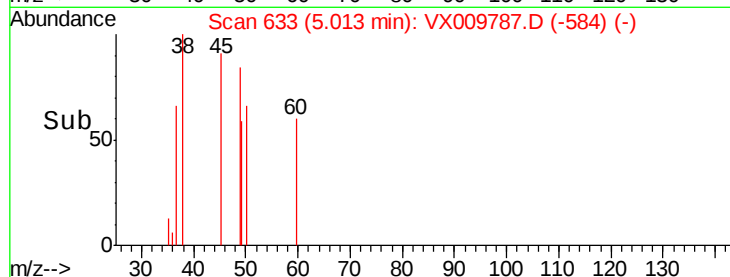
Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

5.01

Time-->



#31

Cyclohexane

Concen: 1.103 ug/l

RT: 5.65 min Scan# 738

Delta R.T. 0.07 min

Lab File: VX009787.D

Acq: 22 May 2019 07:44

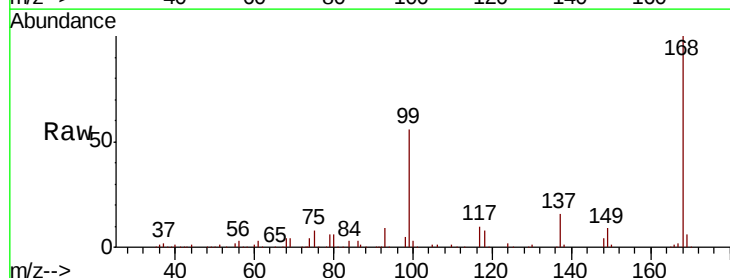
Tgt Ion: 56 Resp: 3963

Ion Ratio Lower Upper

56 100

69 169.7 23.4 35.0#

84 126.5 61.9 92.9#



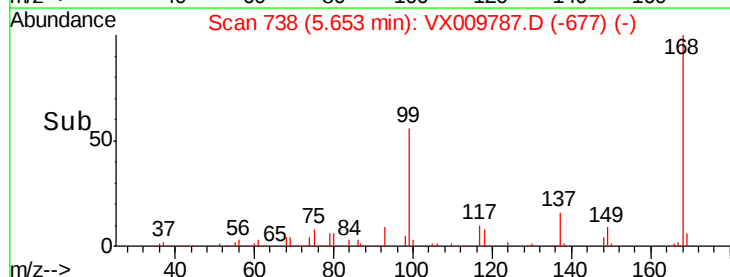
Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

5.65

Time-->

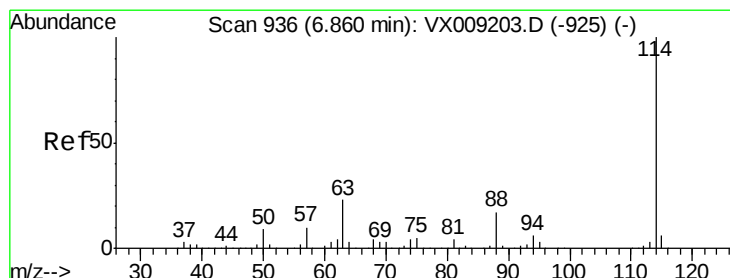
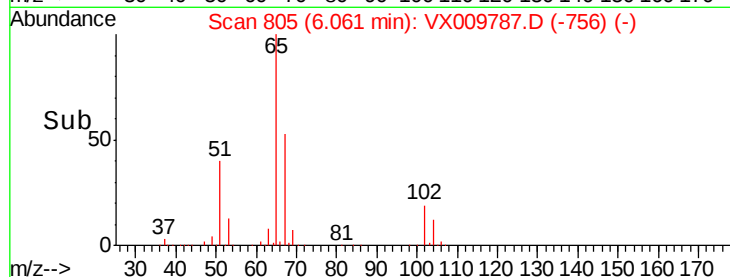
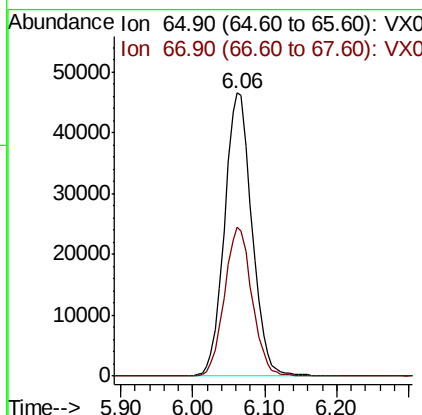
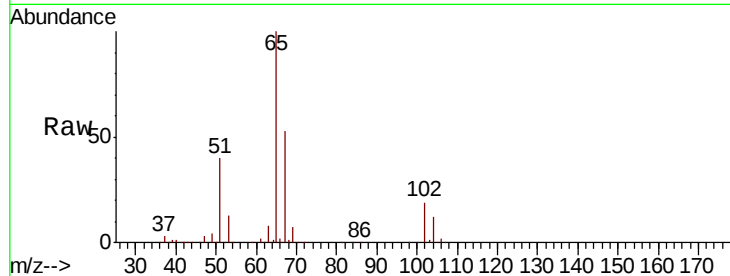




#33
 1,2-Dichloroethane-d4
 Concen: 50.680 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX009787.D
 Acq: 22 May 2019 07:44

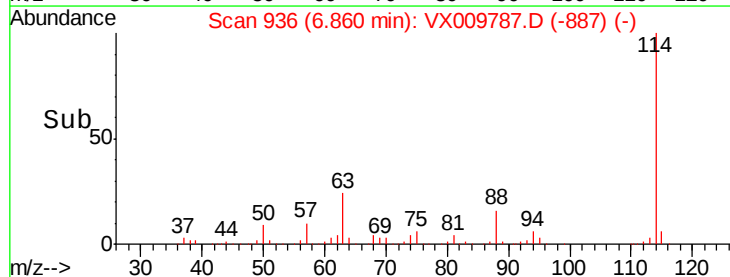
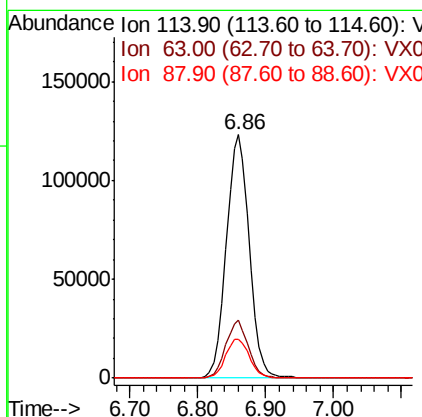
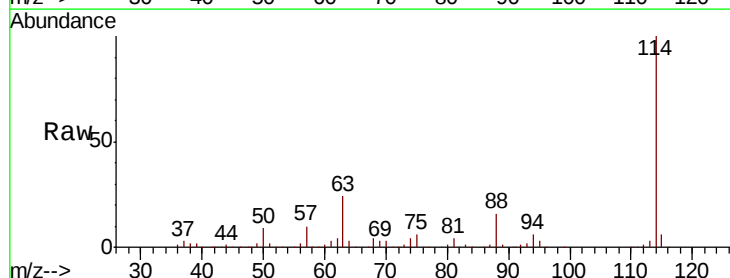
Instrument :
 MSVOA_X
 ClientSampled :
 MW-17C_R2

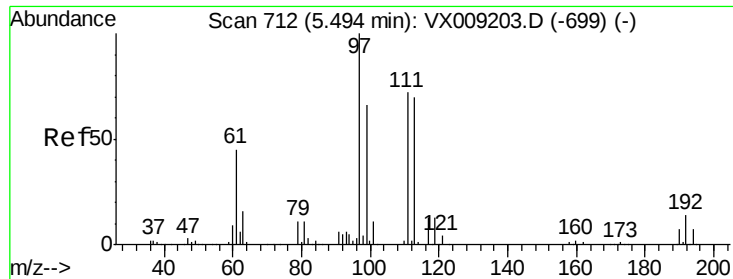
Tot Ion: 65 Resp: 123196
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 106.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX009787.D
 Acq: 22 May 2019 07:44

Tgt Ion: 114 Resp: 286837
 Ion Ratio Lower Upper
 114 100
 63 23.6 0.0 45.6
 88 16.2 0.0 33.2

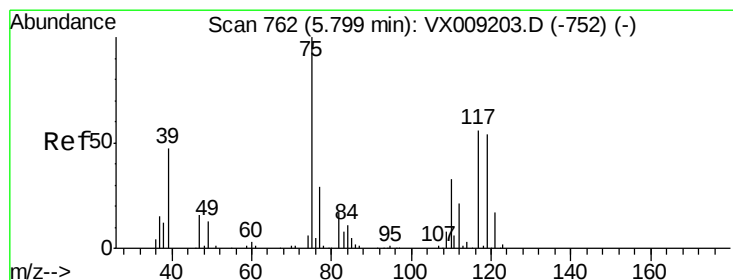
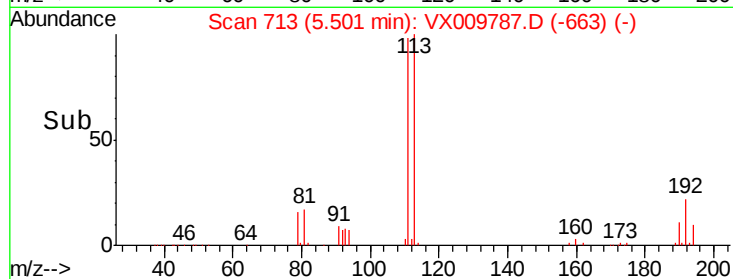
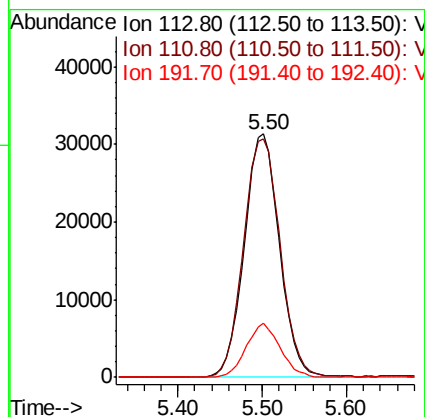
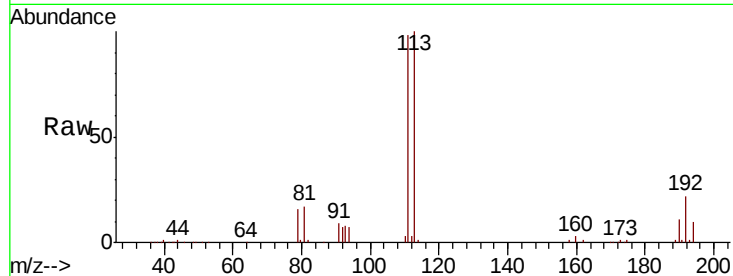




#35
 Dibromofluoromethane
 Concen: 49.117 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX009787.D
 Acq: 22 May 2019 07:44

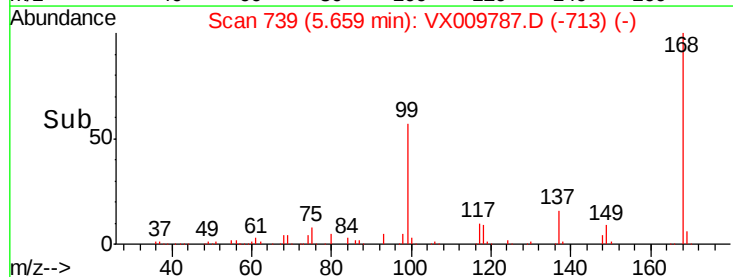
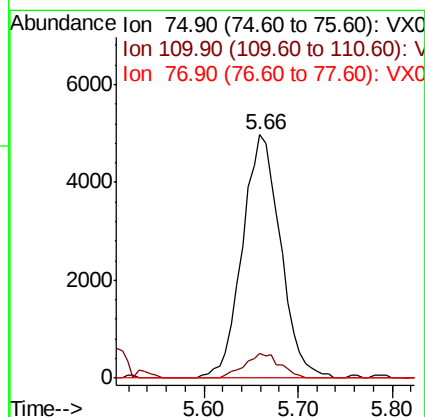
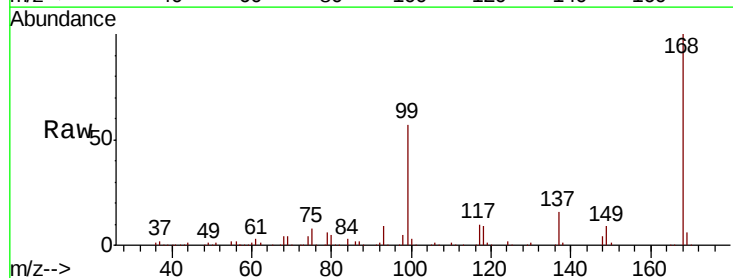
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-17C_R2

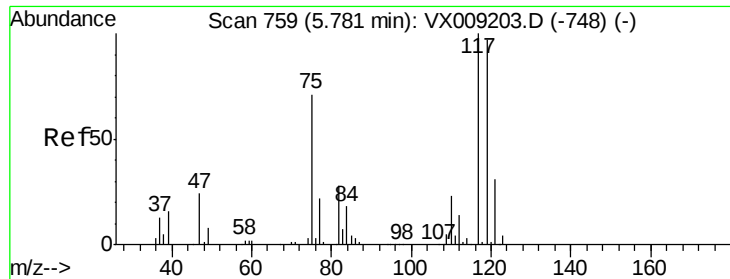
Tot Ion:113 Resp: 88567
 Ion Ratio Lower Upper
 113 100
 111 102.3 82.8 124.2
 192 21.5 17.0 25.6



#36
 1,1-Dichloropropene
 Concen: 5.292 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX009787.D
 Acq: 22 May 2019 07:44

Tgt Ion: 75 Resp: 14107
 Ion Ratio Lower Upper
 75 100
 110 9.5 16.9 50.6#
 77 0.0 24.8 37.2#

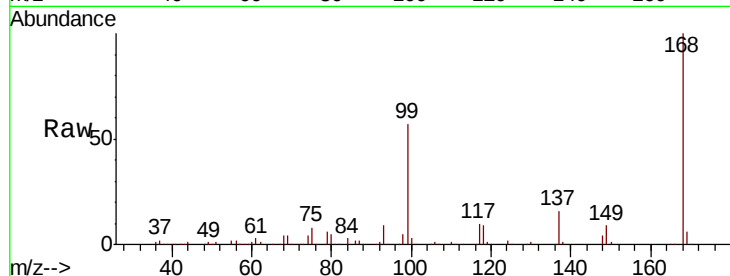




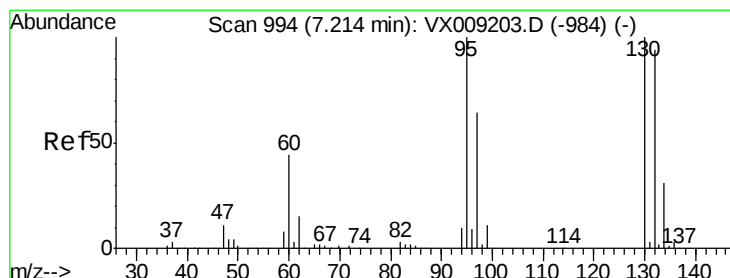
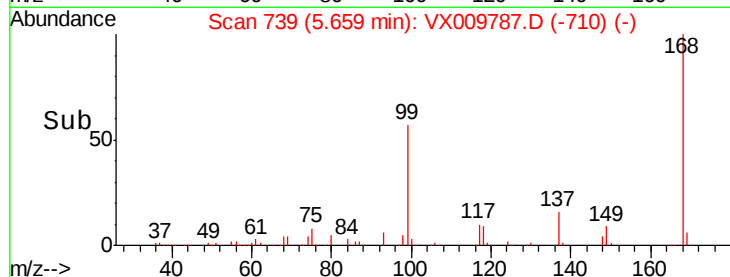
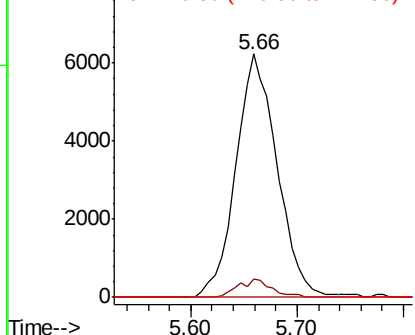
#38
Carbon Tetrachloride
Concen: 6.972 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.12 min
Lab File: VX009787.D
Acq: 22 May 2019 07:44

Instrument :
MSVOA_X
ClientSampleId :
MW-17C_R2

Tot Ion:117 Resp: 16886
Ion Ratio Lower Upper
117 100
119 7.5 77.5 116.3#
121 0.0 24.7 37.1#

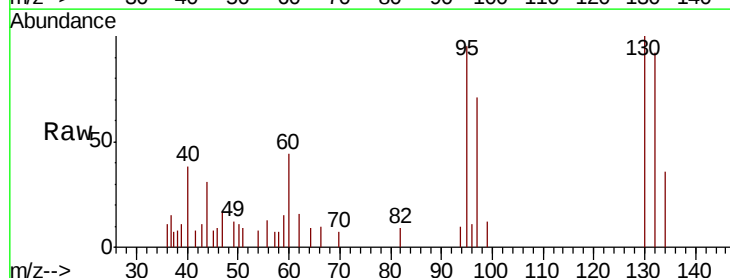


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

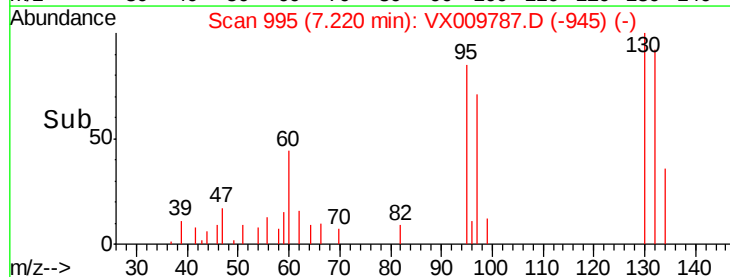
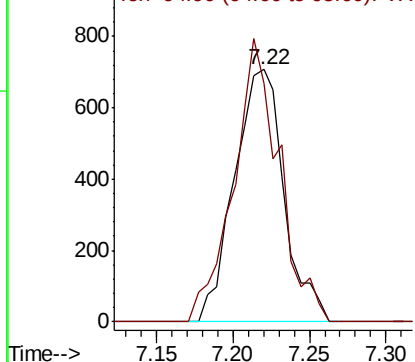


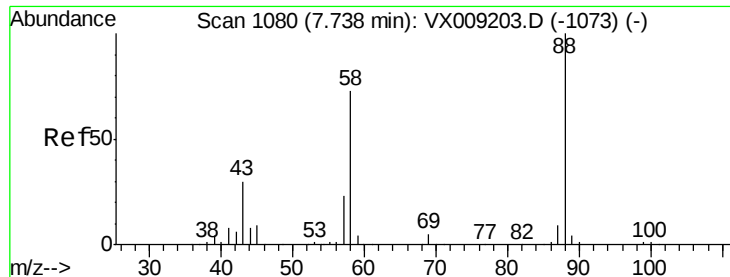
#44
Trichloroethene
Concen: 0.800 ug/l
RT: 7.22 min Scan# 995
Delta R.T. 0.01 min
Lab File: VX009787.D
Acq: 22 May 2019 07:44

Tgt Ion:130 Resp: 1596
Ion Ratio Lower Upper
130 100
95 94.6 0.0 199.2



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): V





#49

1,4-Dioxane

Concen: 0.351 ug/l

RT: 7.91 min Scan# 1108

Delta R.T. 0.17 min

Lab File: VX009787.D

Acq: 22 May 2019 07:44

Instrument :

MSVOA_X

ClientSampleId :

MW-17C_R2

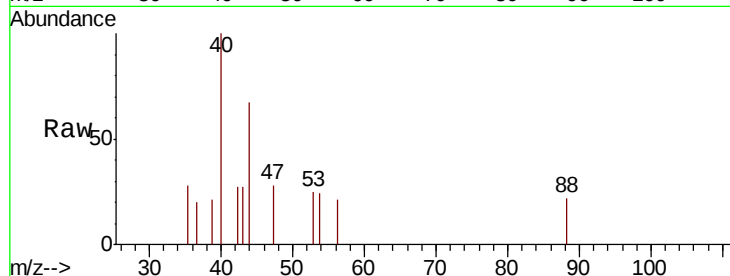
Tot Ion: 88 Resp: 21

Ion Ratio Lower Upper

88 100

43 533.3 28.6 42.8#

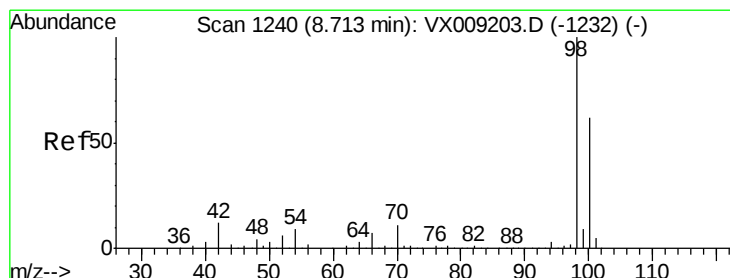
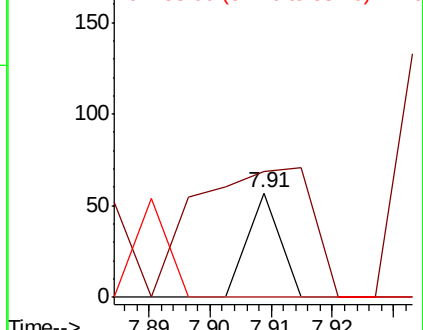
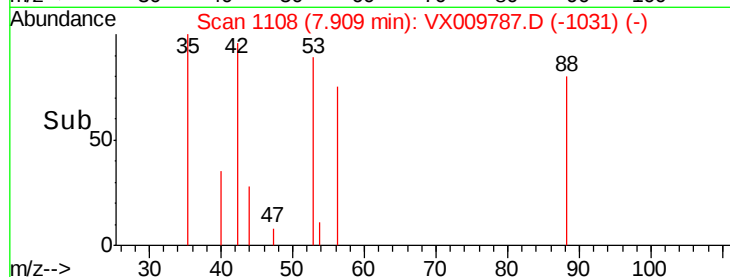
58 0.0 61.7 92.5#



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 49.754 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX009787.D

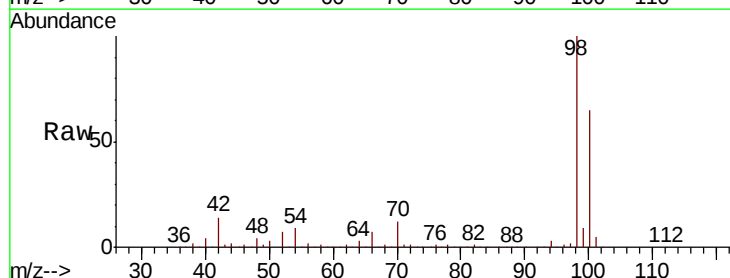
Acq: 22 May 2019 07:44

Tgt Ion: 98 Resp: 362204

Ion Ratio Lower Upper

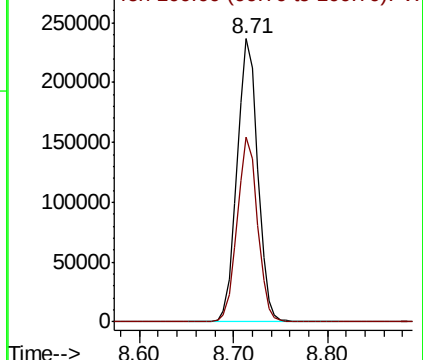
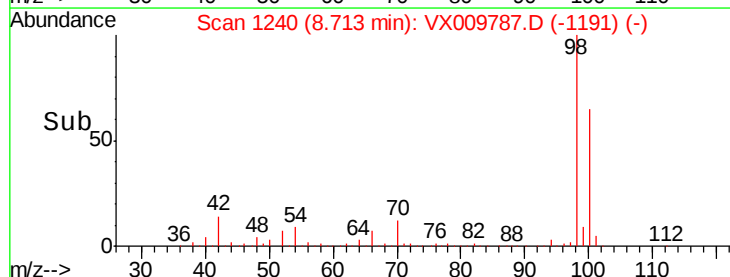
98 100

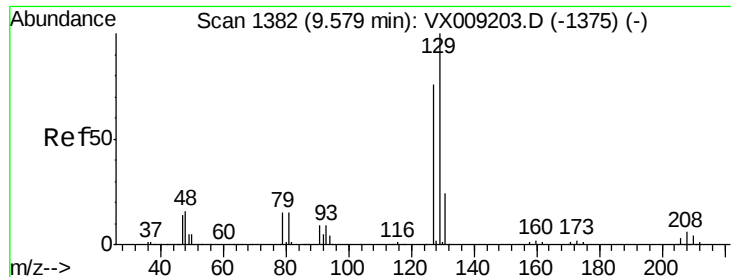
100 64.2 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#60

Dibromochloromethane

Concen: 0.976 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.24 min

Lab File: VX009787.D

Acq: 22 May 2019 07:44

Instrument :

MSVOA_X

ClientSampled :

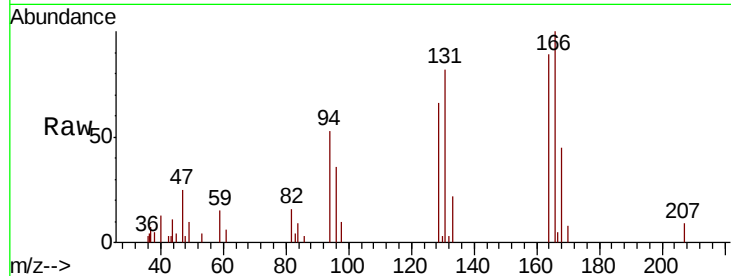
MW-17C_R2

Tot Ion:129 Resp: 1951

Ion Ratio Lower Upper

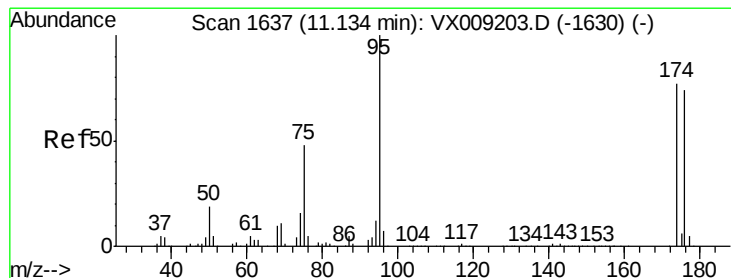
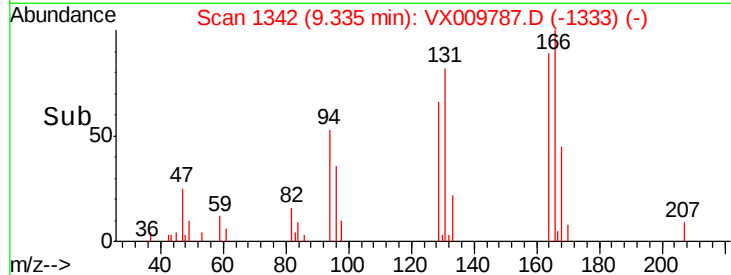
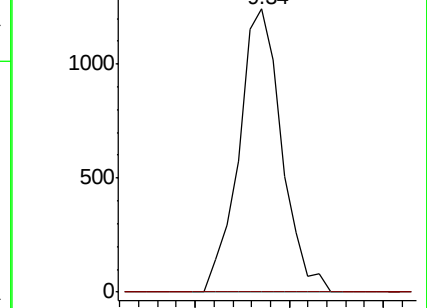
129 100

127 0.0 38.4 115.1#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#62

4-Bromofluorobenzene

Concen: 46.031 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009787.D

Acq: 22 May 2019 07:44

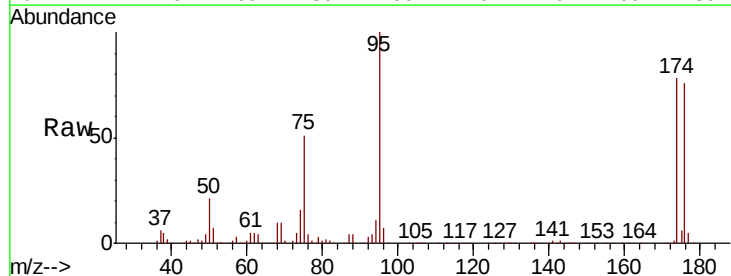
Tgt Ion: 95 Resp: 121762

Ion Ratio Lower Upper

95 100

174 81.9 0.0 161.6

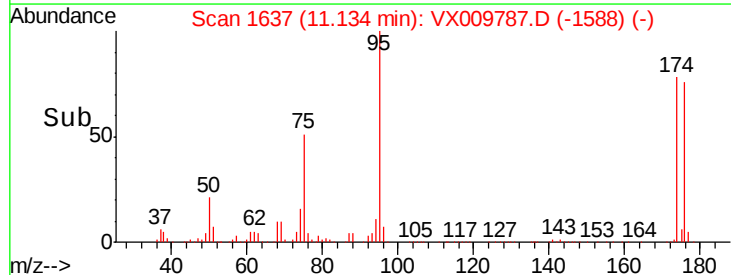
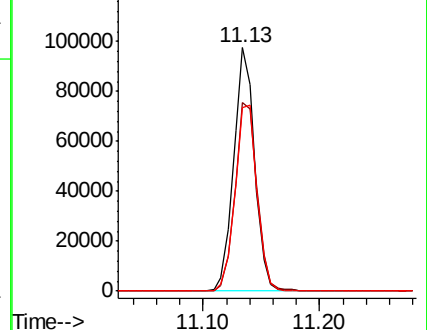
176 80.5 0.0 159.2

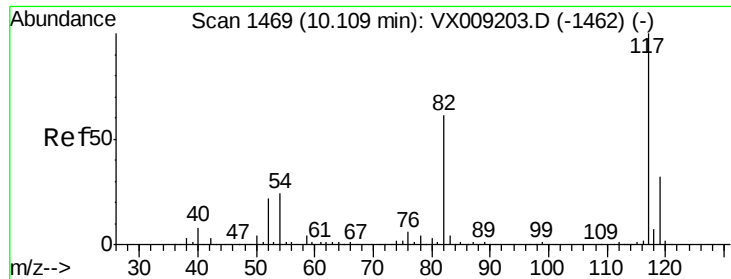


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

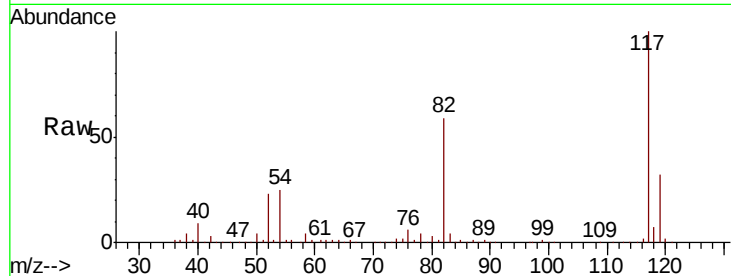




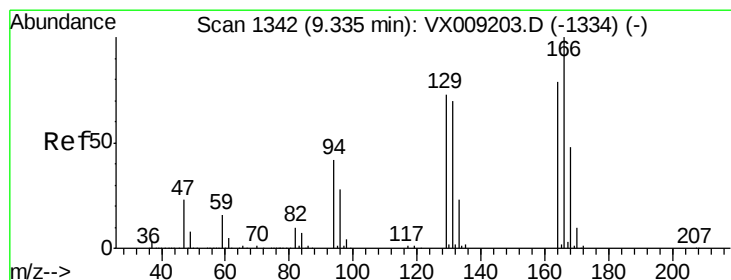
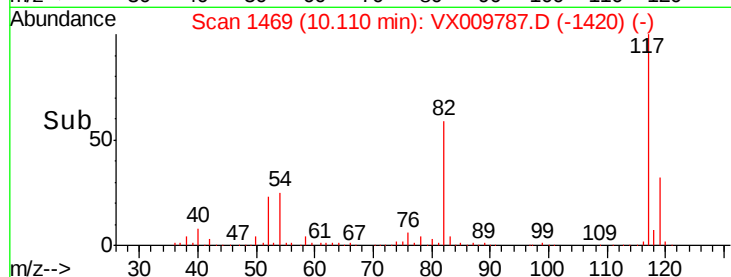
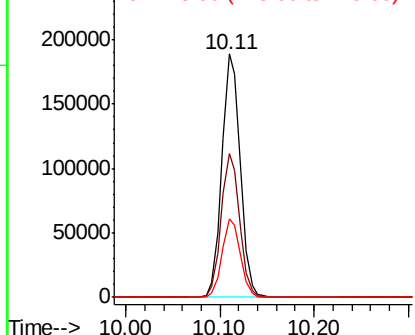
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX009787.D
Acq: 22 May 2019 07:44

Instrument :
MSVOA_X
ClientSampleId :
MW-17C_R2

Tot Ion:117 Resp: 255438
Ion Ratio Lower Upper
117 100
82 59.1 48.8 73.2
119 32.5 25.8 38.6



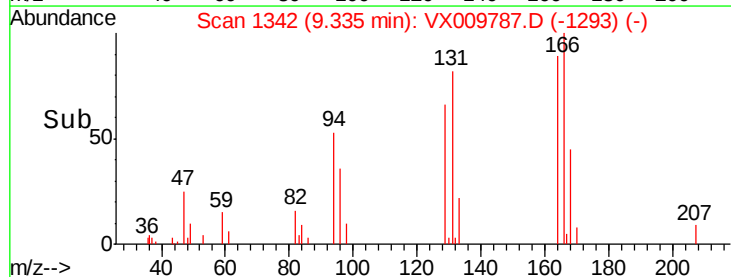
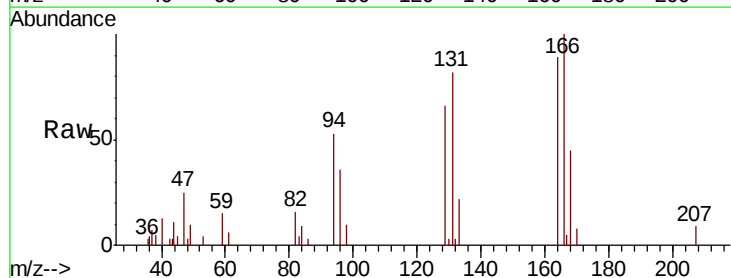
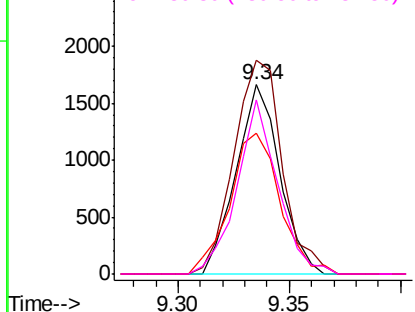
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

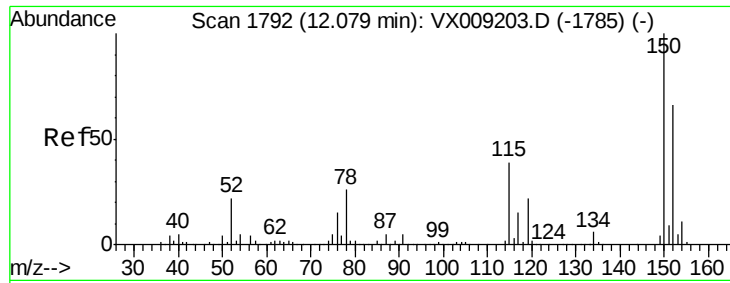


#64
Tetrachloroethene
Concen: 1.299 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX009787.D
Acq: 22 May 2019 07:44

Tgt Ion:164 Resp: 2276
Ion Ratio Lower Upper
164 100
166 112.9 101.2 151.8
129 74.7 74.3 111.5
131 92.0 71.0 106.6

Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): 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: VX009787.D

Acq: 22 May 2019 07:44

Instrument :

MSVOA_X

ClientSampleId :

MW-17C_R2

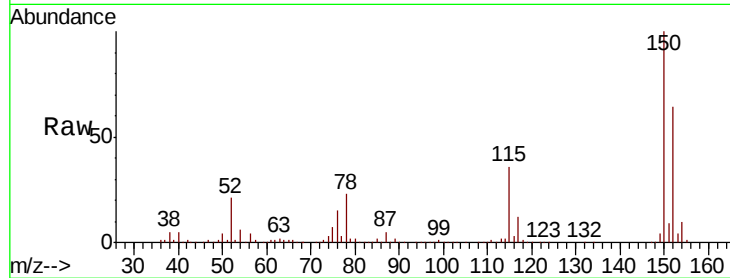
Tot Ion:152 Resp: 110812

Ion Ratio Lower Upper

152 100

115 58.7 41.2 123.6

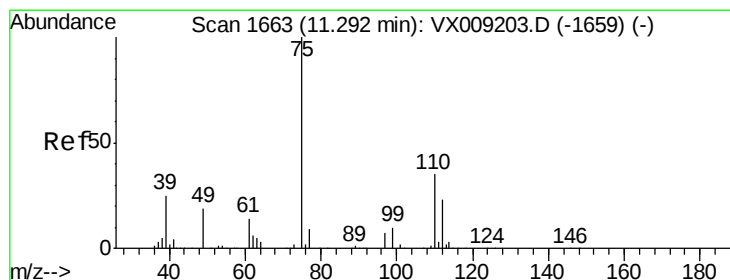
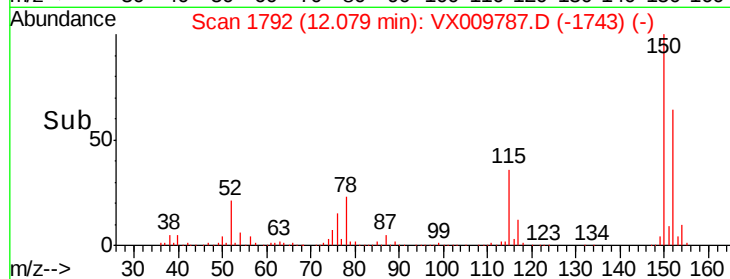
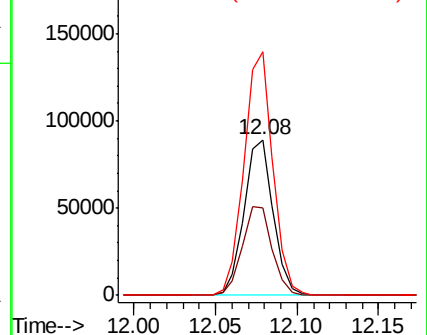
150 156.0 0.0 346.4



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: 24.216 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009787.D

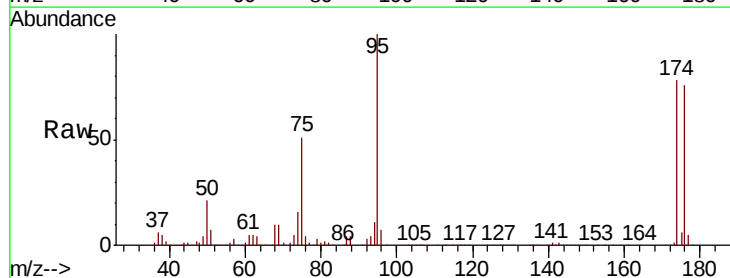
Acq: 22 May 2019 07:44

Tgt Ion: 75 Resp: 62247

Ion Ratio Lower Upper

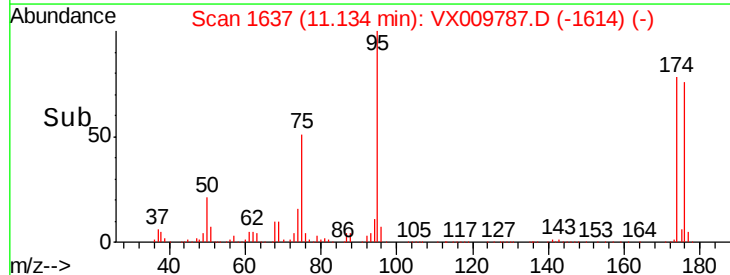
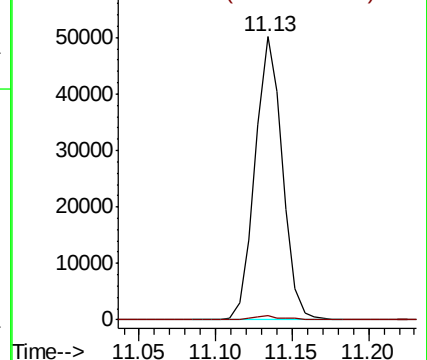
75 100

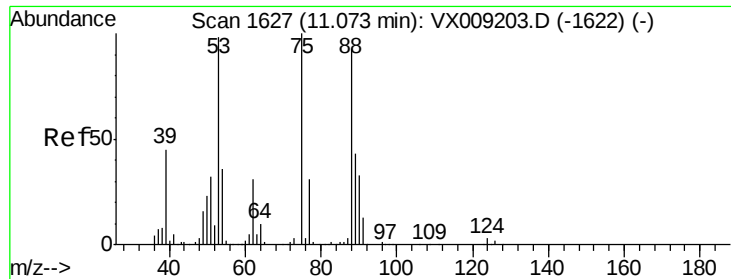
77 1.4 22.1 66.1#



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: 61.961 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009787.D

Acq: 22 May 2019 07:44

Instrument :

MSVOA_X

ClientSampleId :

MW-17C_R2

Tot Ion: 75 Resp: 62247

Ion Ratio Lower Upper

75 100

53 0.2 79.0 118.6#

89 0.0 34.7 52.1#

