

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX041719\
 Data File : VX009023.D
 Acq On : 17 Apr 2019 18:30
 Operator : JC/SP
 Sample : K2449-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS036MW009-190415

Quant Time: Apr 18 01:39:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X041519W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 17 06:47:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	256752	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	411657	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	351388	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	143684	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	167565	46.31	ug/l	0.00
Spiked Amount			Recovery	=	92.62%	
35) Dibromofluoromethane	5.50	113	122038	46.19	ug/l	0.00
Spiked Amount			Recovery	=	92.38%	
50) Toluene-d8	8.71	98	510386	48.44	ug/l	0.00
Spiked Amount			Recovery	=	96.88%	
62) 4-Bromofluorobenzene	11.13	95	167212	44.96	ug/l	0.00
Spiked Amount			Recovery	=	89.92%	

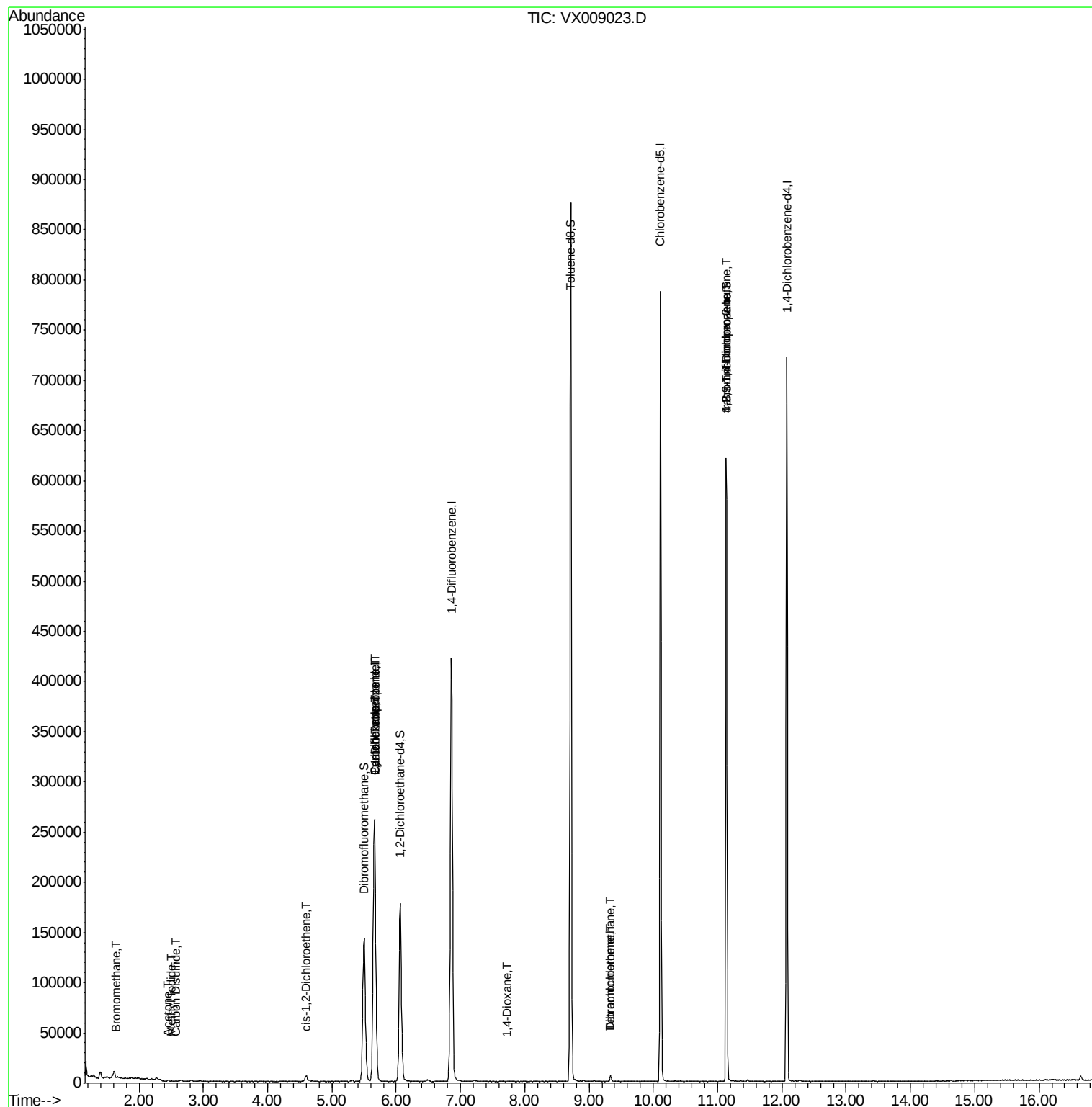
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	116	3.897	ug/l #	24
10) Methyl Iodide	2.51	142	47	4.429	ug/l #	42
16) Acetone	2.45	43	1248	0.665	ug/l #	78
17) Carbon Disulfide	2.57	76	506	1.314	ug/l #	68
27) cis-1,2-Dichloroethene	4.60	96	3345	1.003	ug/l	93
28) Bromochloromethane	5.05	49	75	Below Cal	#	21
31) Cyclohexane	5.67	56	5672	0.984	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	20256	4.758	ug/l #	50
38) Carbon Tetrachloride	5.67	117	24698	6.843	ug/l #	17
49) 1,4-Dioxane	7.72	88	45	0.551	ug/l #	19
60) Dibromochloromethane	9.34	129	766	0.268	ug/l #	10
64) Tetrachloroethene	9.34	164	940	0.352	ug/l #	72
76) 1,2,3-Trichloropropane	11.13	75	85312	24.316	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	85312	62.426	ug/l #	11

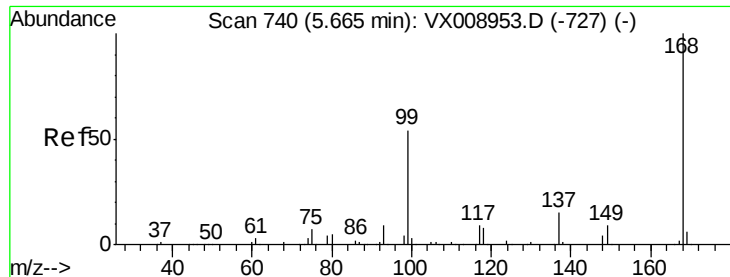
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX009023.D

Acq: 17 Apr 2019 18:30

Instrument :

MSVOA_X

ClientSampleId :

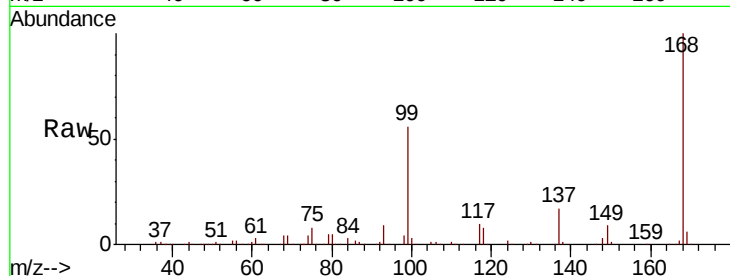
SS036MW009-190415

Tot Ion:168 Resp: 256752

Ion Ratio Lower Upper

168 100

99 56.2 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

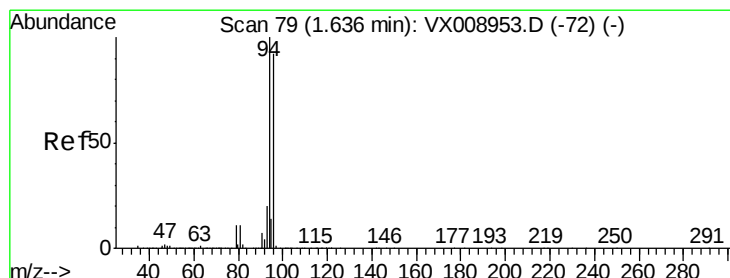
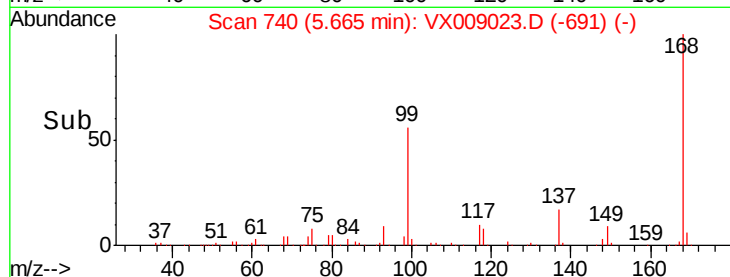
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 3.897 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX009023.D

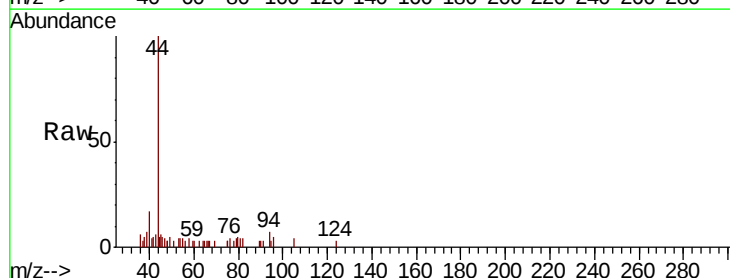
Acq: 17 Apr 2019 18:30

Tgt Ion: 94 Resp: 116

Ion Ratio Lower Upper

94 100

96 19.6 73.9 110.9#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

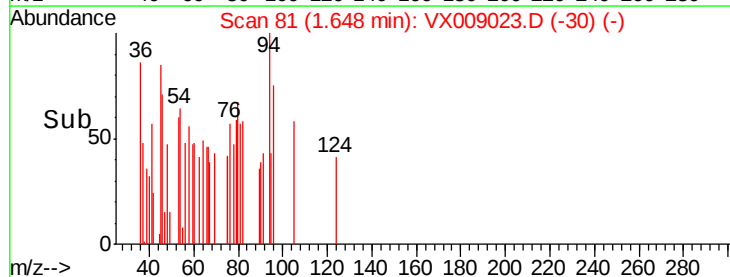
150

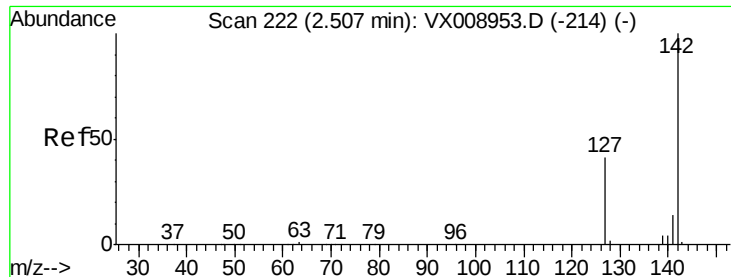
100

50

0

Time--> 1.64 1.66 1.68

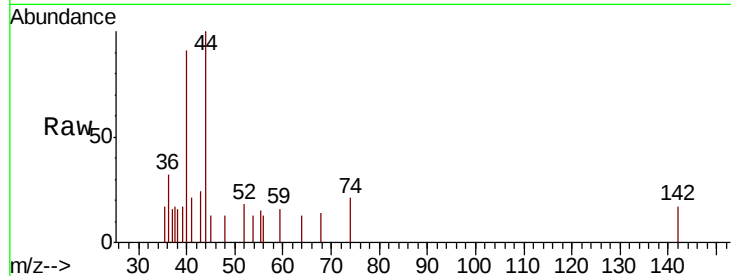




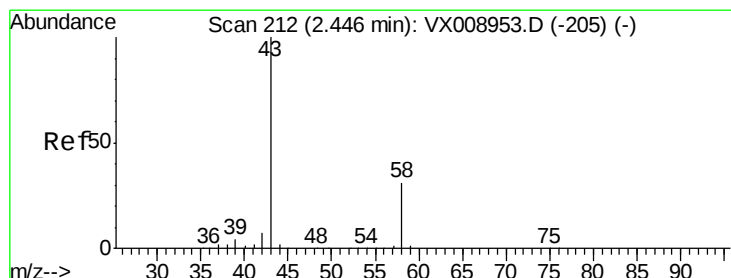
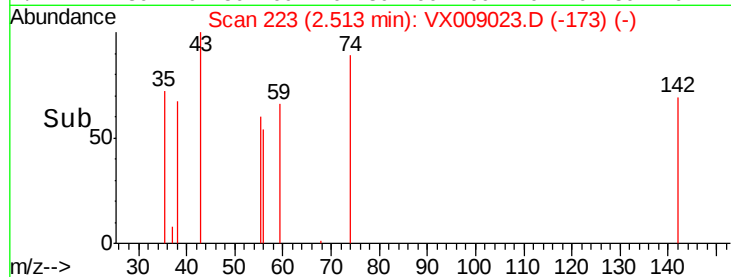
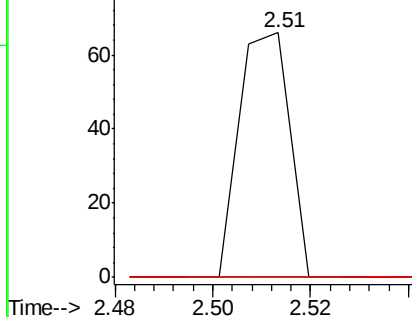
#10
Methvl Iodide
Concen: 4.429 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.01 min
Lab File: VX009023.D
Acq: 17 Apr 2019 18:30

Instrument :
MSVOA_X
ClientSampleId :
SS036MW009-190415

Tot Ion:142 Resp: 47
Ion Ratio Lower Upper
142 100
127 0.0 32.8 49.2#
141 0.0 11.4 17.2#

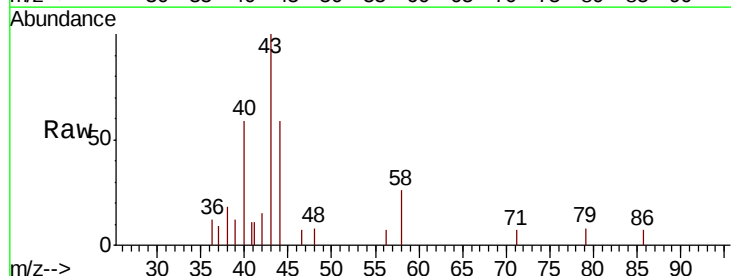


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

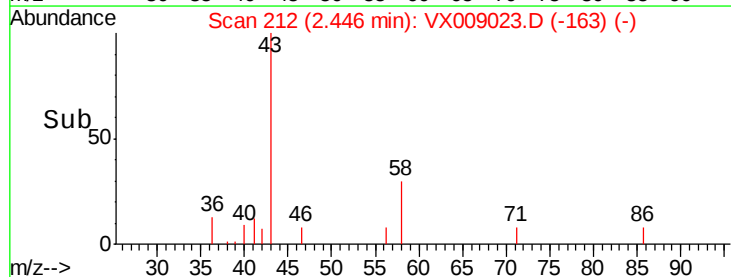
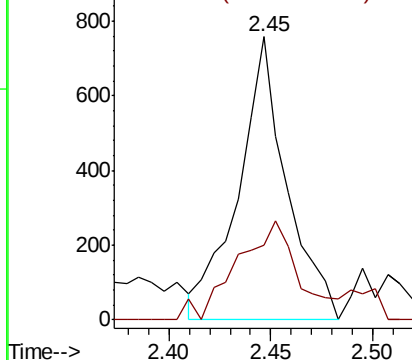


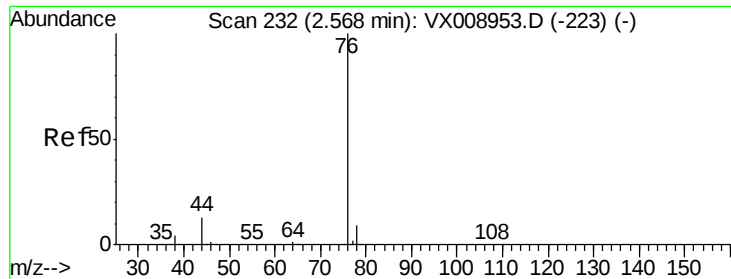
#16
Acetone
Concen: 0.665 ug/l
RT: 2.45 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX009023.D
Acq: 17 Apr 2019 18:30

Tgt Ion: 43 Resp: 1248
Ion Ratio Lower Upper
43 100
58 19.1 24.8 37.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

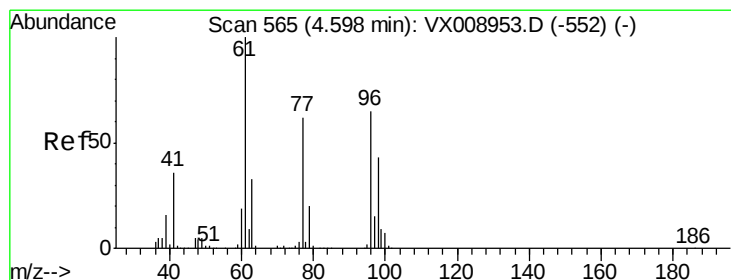
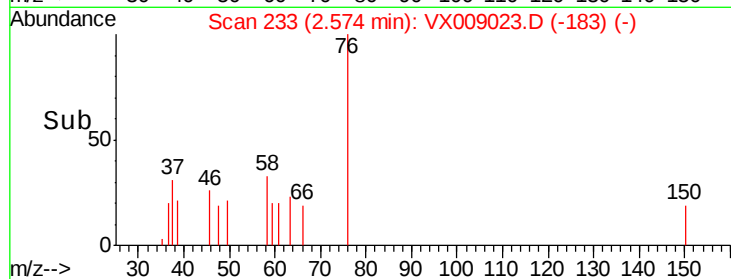
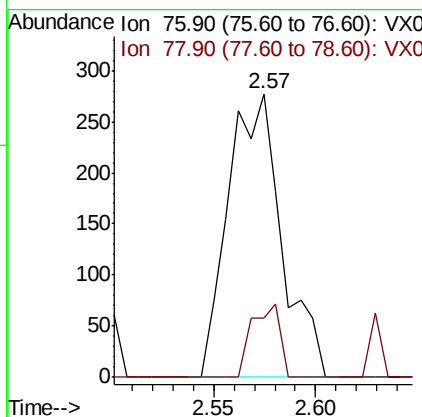
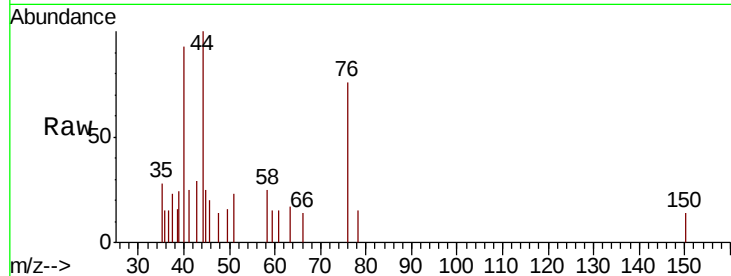




#17
Carbon Disulfide
Concen: 1.314 ug/l
RT: 2.57 min Scan# 233
Delta R.T. 0.01 min
Lab File: VX009023.D
Acq: 17 Apr 2019 18:30

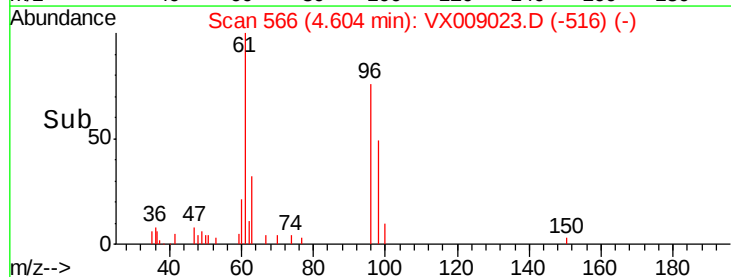
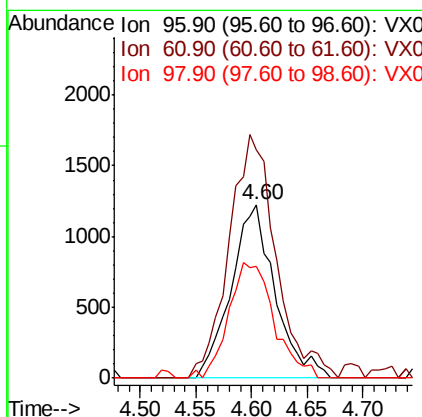
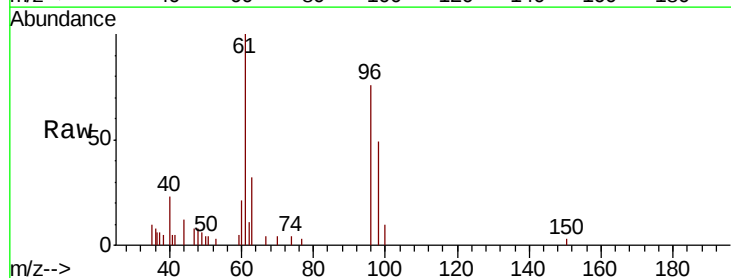
Instrument :
MSVOA_X
ClientSampleId :
SS036MW009-190415

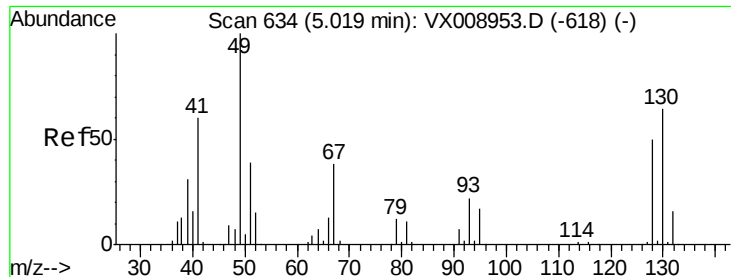
Tot Ion: 76 Resp: 506
Ion Ratio Lower Upper
76 100
78 20.5 7.2 10.8#



#27
cis-1,2-Dichloroethene
Concen: 1.003 ug/l
RT: 4.60 min Scan# 566
Delta R.T. 0.01 min
Lab File: VX009023.D
Acq: 17 Apr 2019 18:30

Tgt Ion: 96 Resp: 3345
Ion Ratio Lower Upper
96 100
61 150.9 0.0 322.0
98 68.8 0.0 128.4





#28

Bromochloromethane

Concen: Below Cal

RT: 5.05 min Scan# 639

Delta R.T. 0.03 min

Lab File: VX009023.D

Acq: 17 Apr 2019 18:30

Instrument :

MSVOA_X

ClientSampleId :

SS036MW009-190415

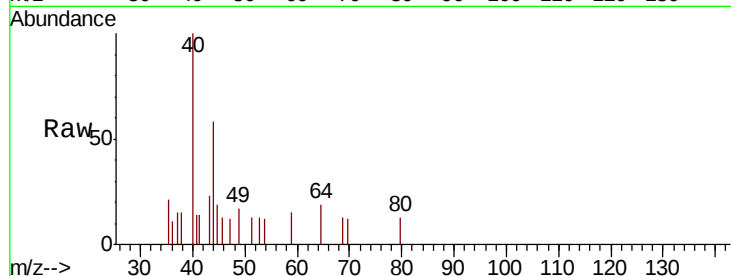
Tot Ion: 49 Resp: 75

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.6

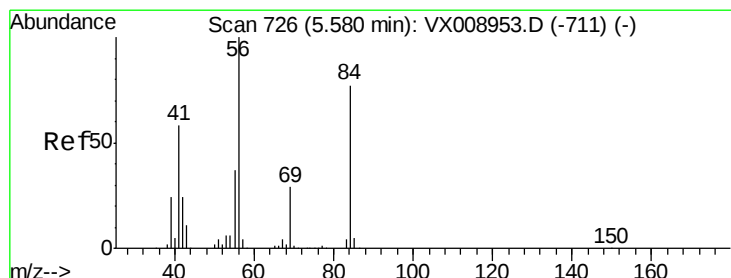
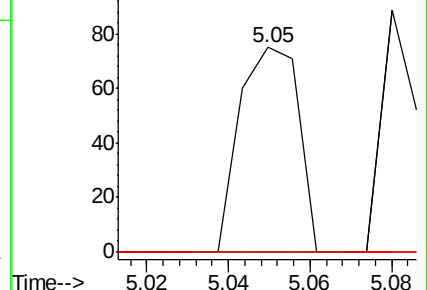
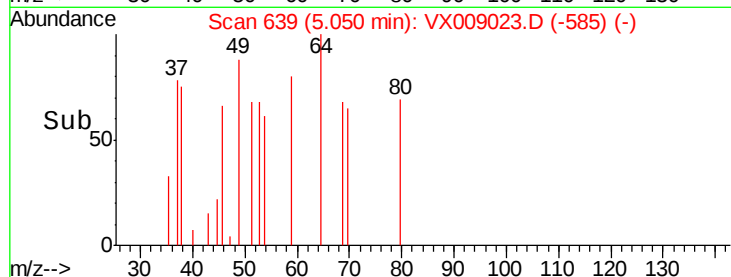
130 0.0 50.4 75.6#



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



#31

Cyclohexane

Concen: 0.984 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.09 min

Lab File: VX009023.D

Acq: 17 Apr 2019 18:30

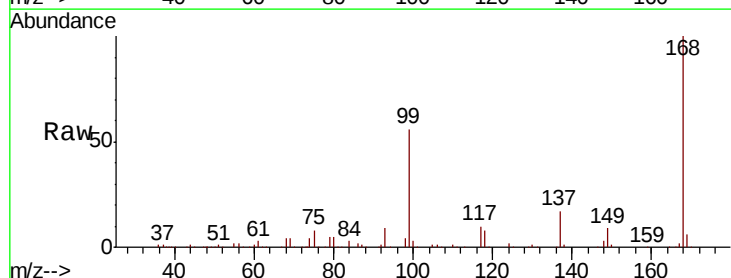
Tgt Ion: 56 Resp: 5672

Ion Ratio Lower Upper

56 100

69 182.4 23.3 34.9#

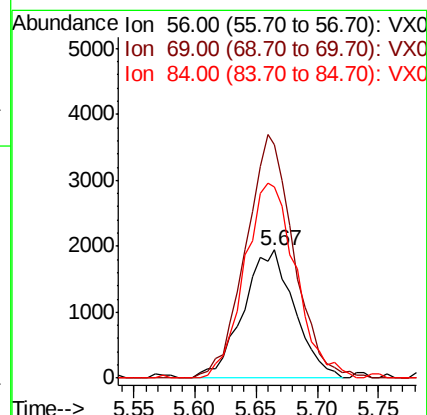
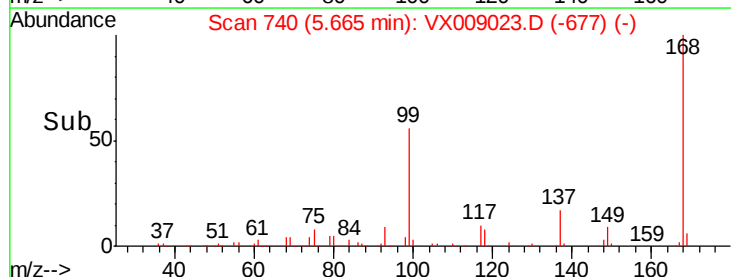
84 148.8 61.7 92.5#

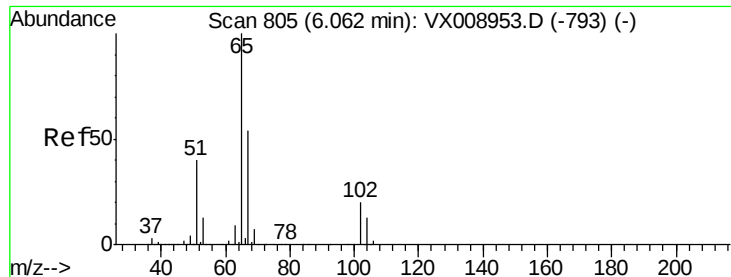


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 46.310 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX009023.D

Acq: 17 Apr 2019 18:30

Instrument :

MSVOA_X

ClientSampleId :

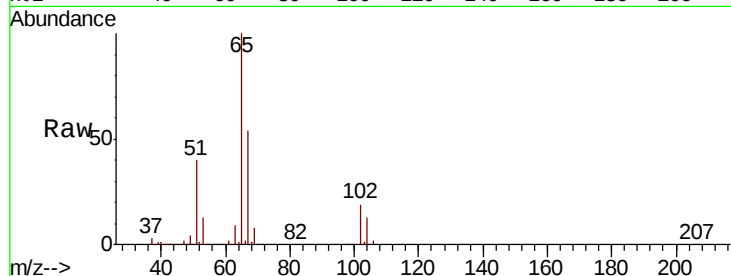
SS036MW009-190415

Tot Ion: 65 Resp: 167565

Ion Ratio Lower Upper

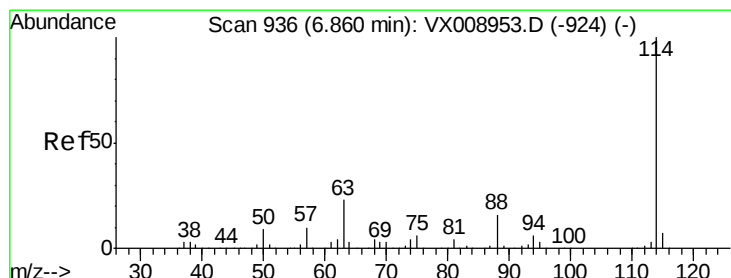
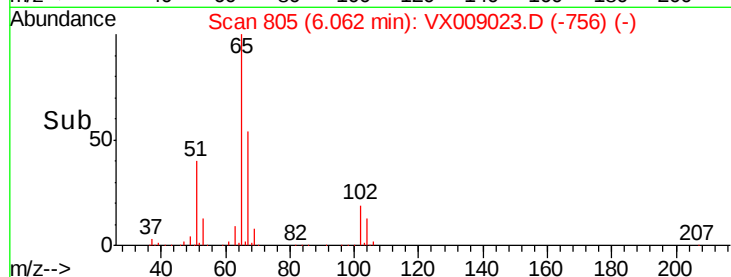
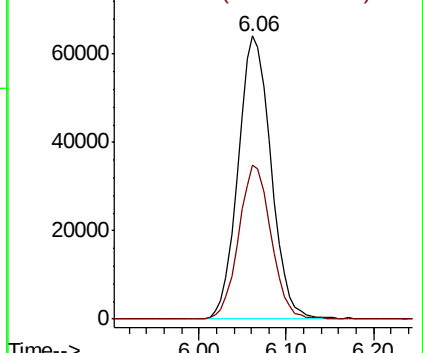
65 100

67 53.7 0.0 108.6



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: VX009023.D

Acq: 17 Apr 2019 18:30

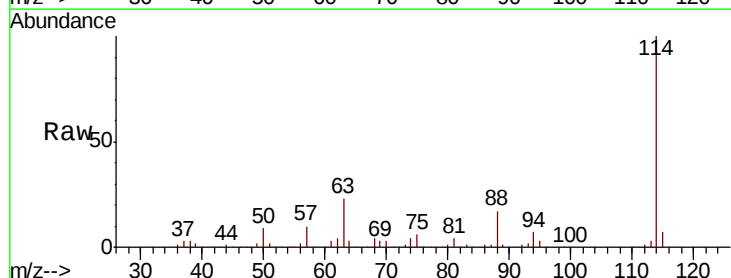
Tgt Ion: 114 Resp: 411657

Ion Ratio Lower Upper

114 100

63 22.6 0.0 46.0

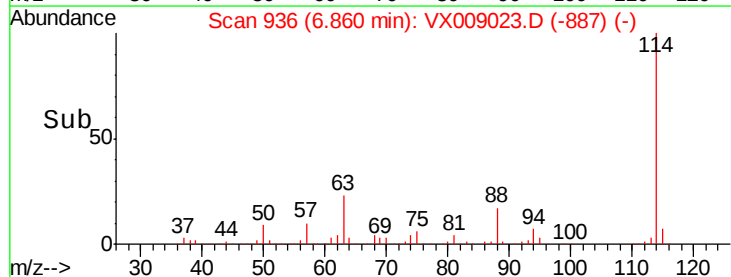
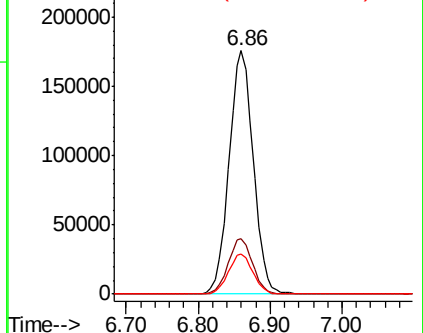
88 16.6 0.0 32.6

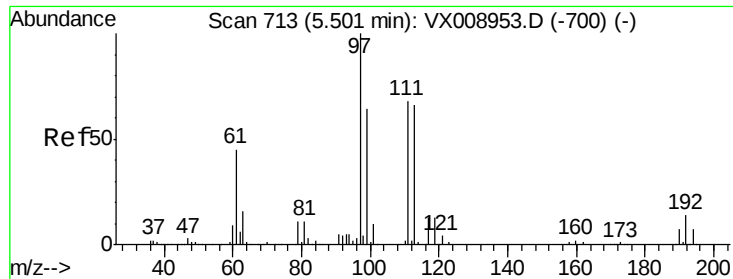


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 46.193 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX009023.D

Acq: 17 Apr 2019 18:30

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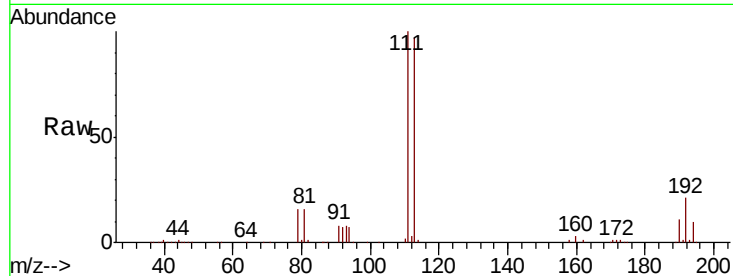
Tot Ion:113 Resp: 122038

Ion Ratio Lower Upper

113 100

111 104.1 82.9 124.3

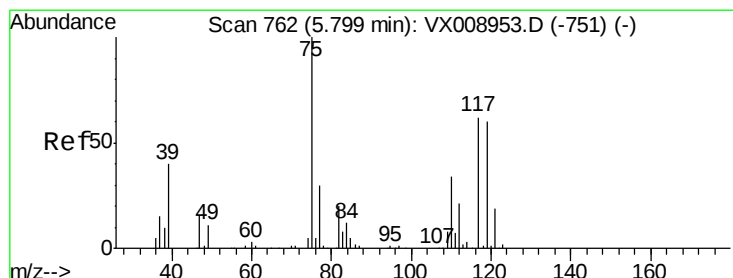
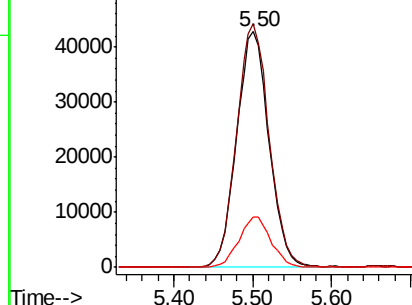
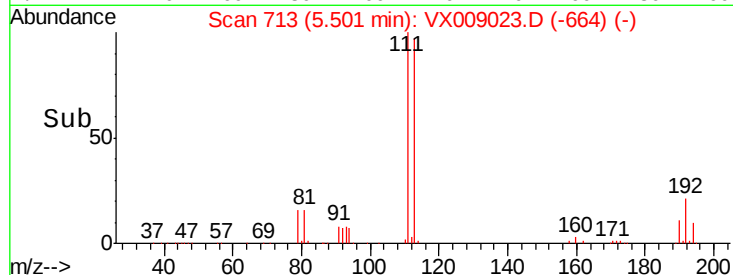
192 21.2 17.4 26.0



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: 4.758 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX009023.D

Acq: 17 Apr 2019 18:30

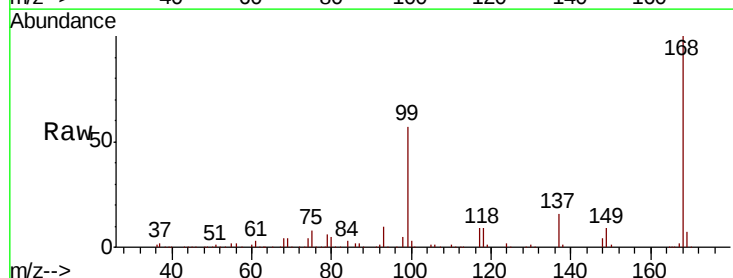
Tgt Ion: 75 Resp: 20256

Ion Ratio Lower Upper

75 100

110 8.4 16.9 50.7#

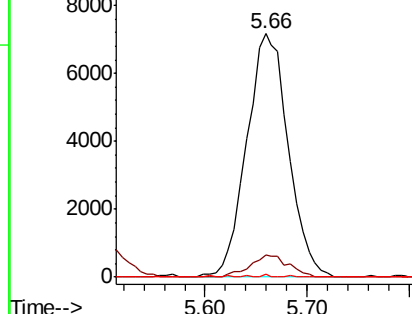
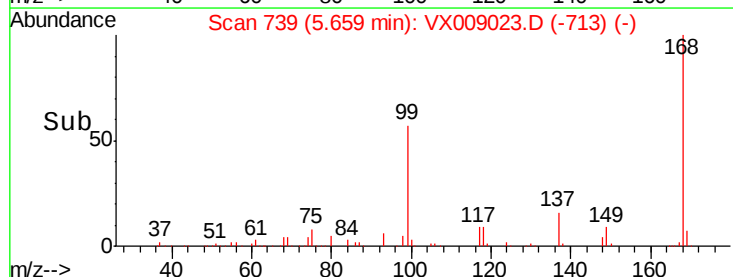
77 0.1 25.0 37.4#

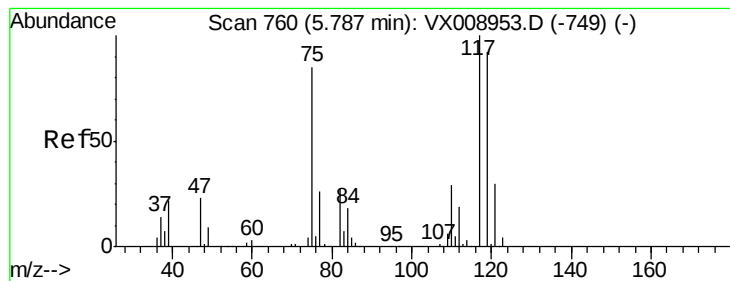


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.843 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX009023.D

Acq: 17 Apr 2019 18:30

Instrument :

MSVOA_X

ClientSampleId :

SS036MW009-190415

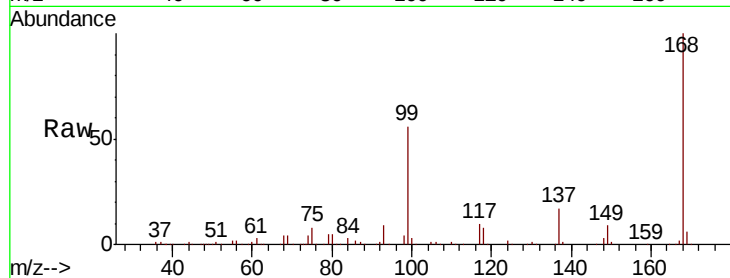
Tot Ion:117 Resp: 24698

Ion Ratio Lower Upper

117 100

119 4.2 73.8 110.8#

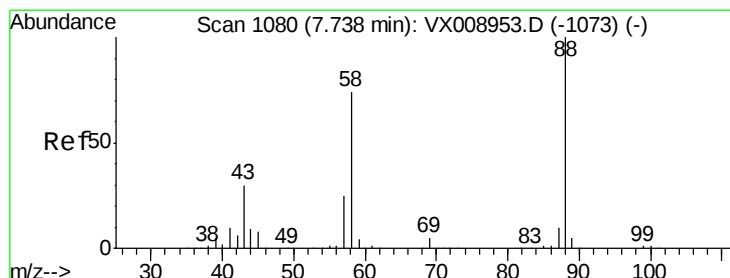
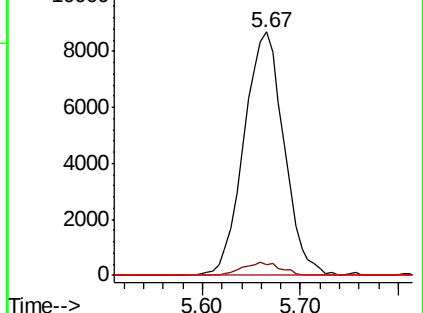
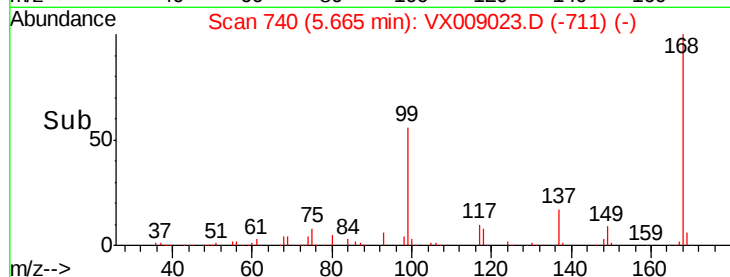
121 0.0 23.6 35.4#



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



#49

1,4-Dioxane

Concen: 0.551 ug/l

RT: 7.72 min Scan# 1077

Delta R.T. -0.02 min

Lab File: VX009023.D

Acq: 17 Apr 2019 18:30

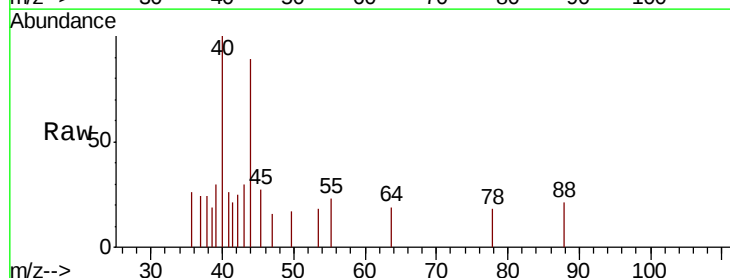
Tgt Ion: 88 Resp: 45

Ion Ratio Lower Upper

88 100

43 0.0 29.3 43.9#

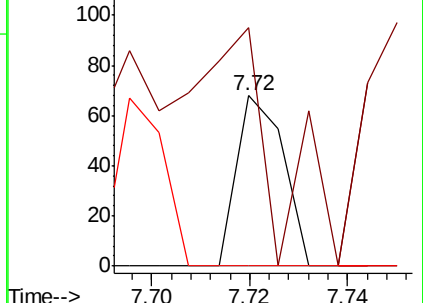
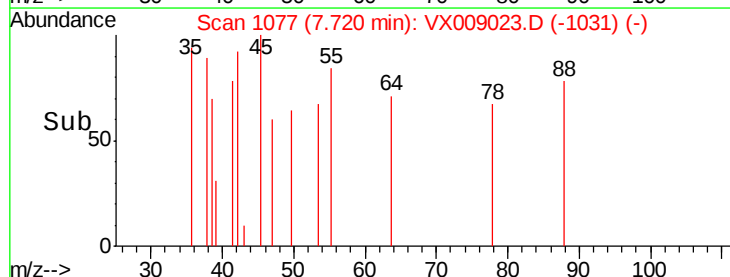
58 0.0 62.6 93.8#

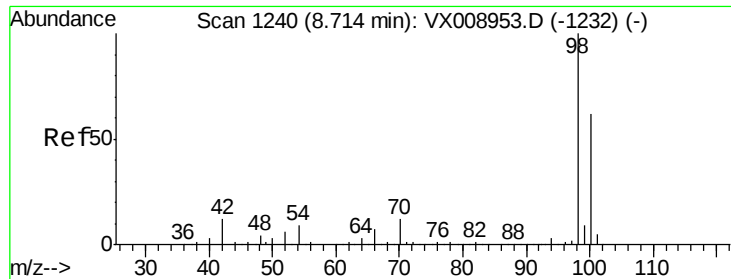


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

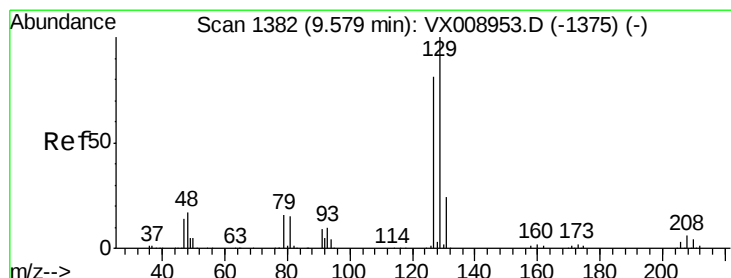
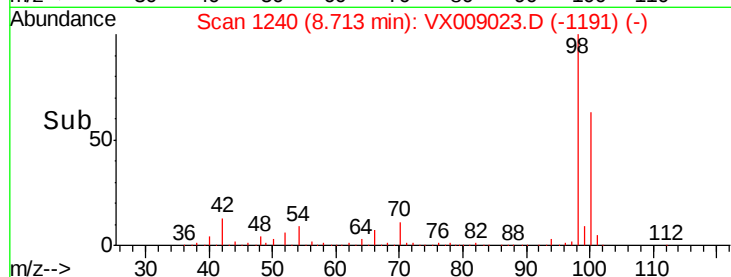
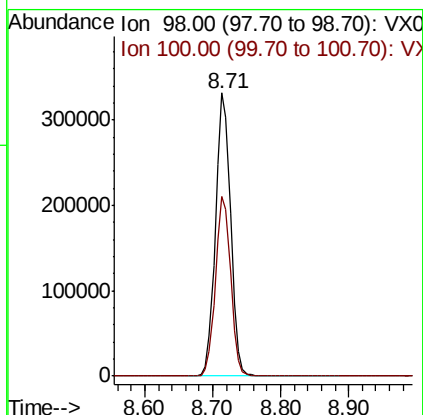
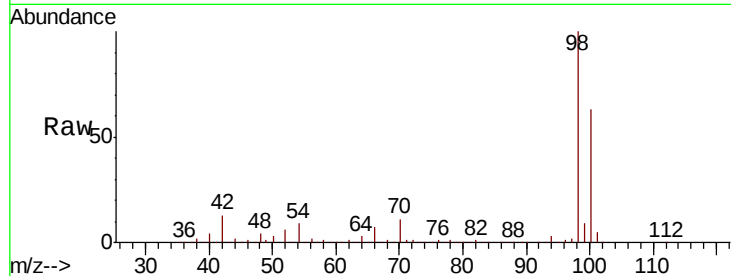




#50
Toluene-d8
Concen: 48.442 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX009023.D
Acq: 17 Apr 2019 18:30

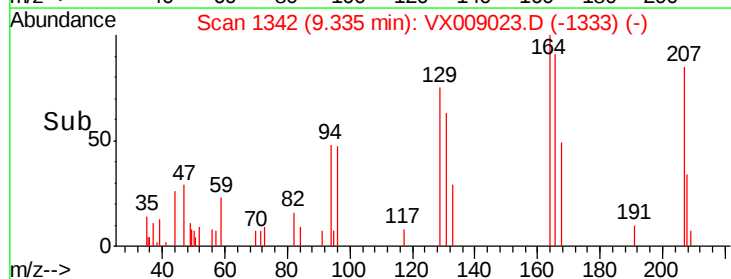
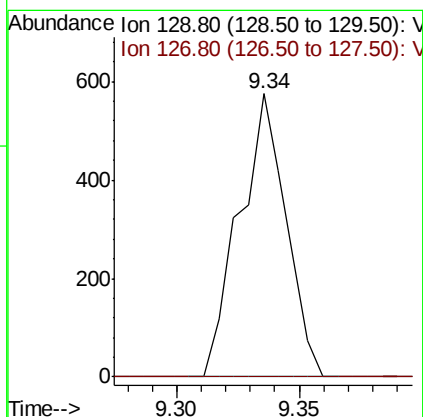
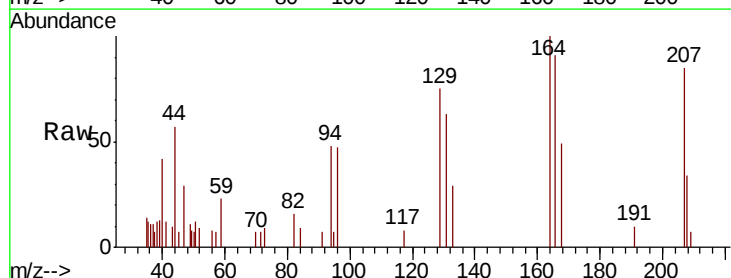
Instrument :
MSVOA_X
ClientSampleId :
SS036MW009-190415

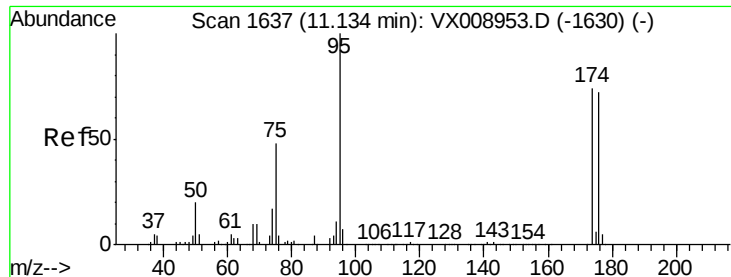
Tot Ion: 98 Resp: 510386
Ion Ratio Lower Upper
98 100
100 63.8 51.4 77.2



#60
Dibromochloromethane
Concen: 0.268 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.24 min
Lab File: VX009023.D
Acq: 17 Apr 2019 18:30

Tgt Ion:129 Resp: 766
Ion Ratio Lower Upper
129 100
127 0.0 39.1 117.2#

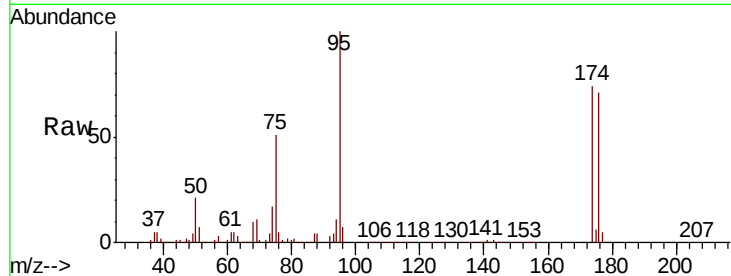




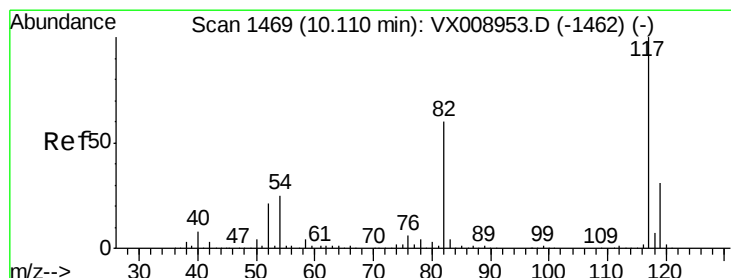
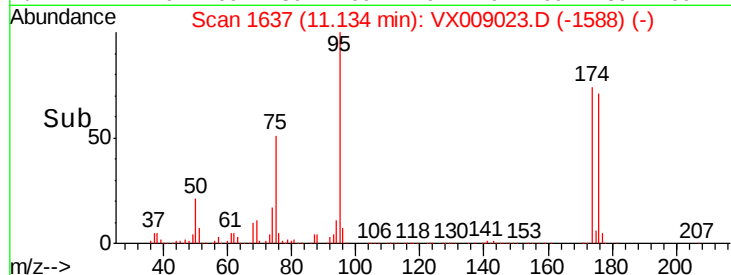
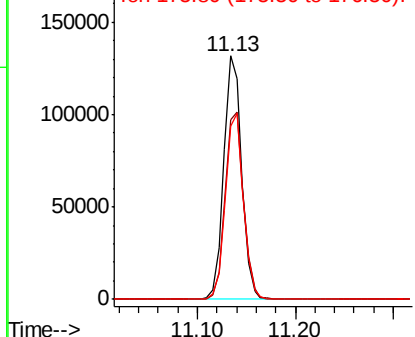
#62
4-Bromofluorobenzene
Concen: 44.958 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX009023.D
Acq: 17 Apr 2019 18:30

Instrument :
MSVOA_X
ClientSampleId :
SS036MW009-190415

Tot Ion: 95 Resp: 167212
Ion Ratio Lower Upper
95 100
174 79.0 0.0 159.6
176 76.6 0.0 154.8

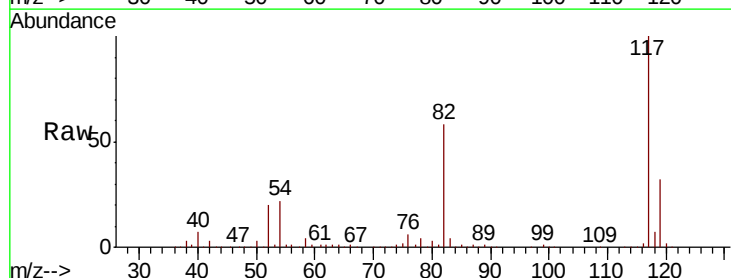


Abundance Ion 94.90 (94.60 to 95.60): VX0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

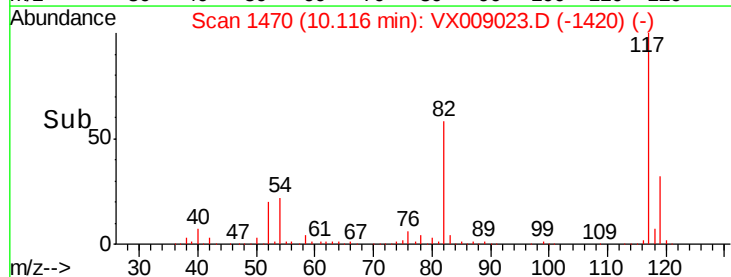
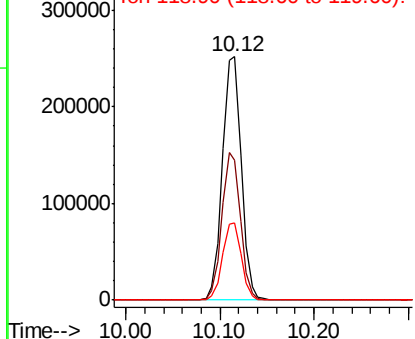


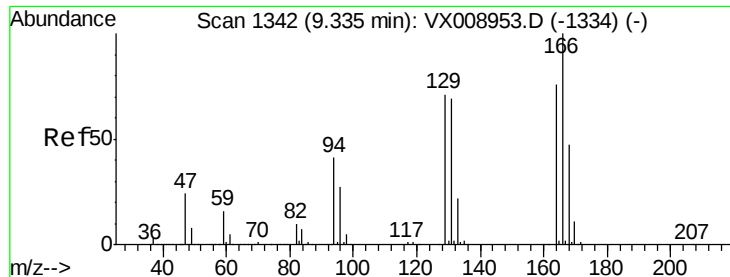
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX009023.D
Acq: 17 Apr 2019 18:30

Tgt Ion: 117 Resp: 351388
Ion Ratio Lower Upper
117 100
82 57.7 48.2 72.4
119 31.9 25.0 37.6



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: 0.352 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.00 min

Lab File: VX009023.D

Acq: 17 Apr 2019 18:30

Instrument :

MSVOA_X

ClientSampleId :

SS036MW009-190415

Tot Ion:164 Resp: 940

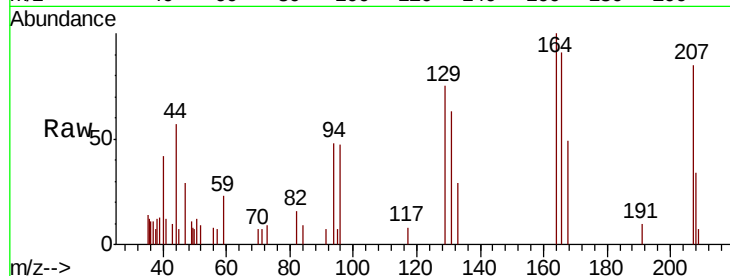
Ion Ratio Lower Upper

164 100

166 91.2 105.0 157.4#

129 74.8 74.2 111.4

131 63.5 72.2 108.2#



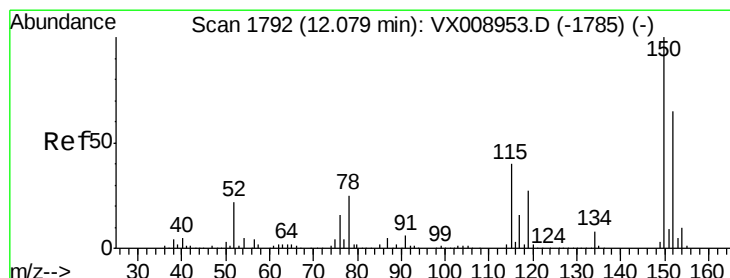
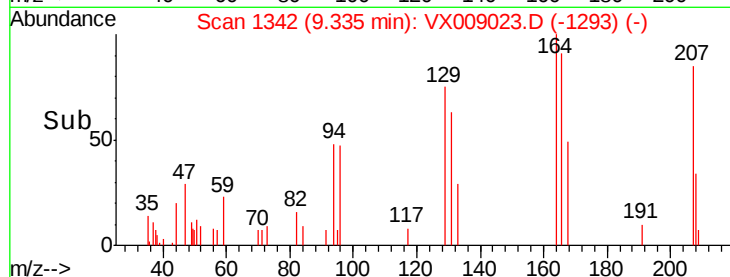
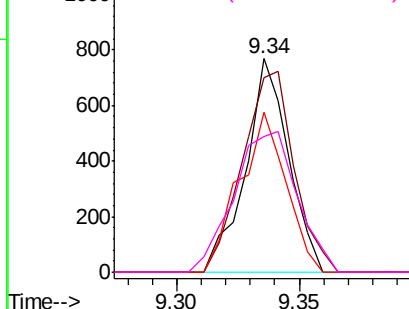
Abundance

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: VX009023.D

Acq: 17 Apr 2019 18:30

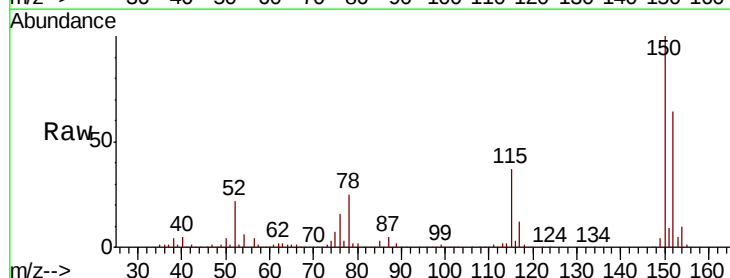
Tgt Ion:152 Resp: 143684

Ion Ratio Lower Upper

152 100

115 60.5 41.4 124.2

150 158.4 0.0 349.8

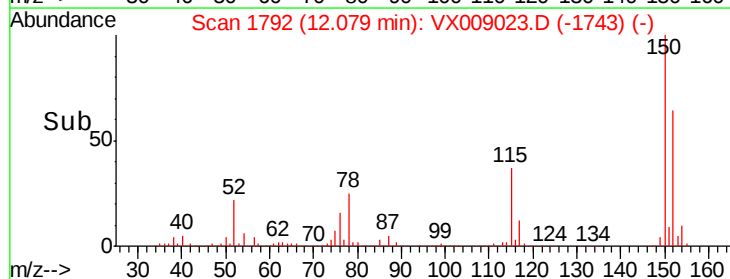
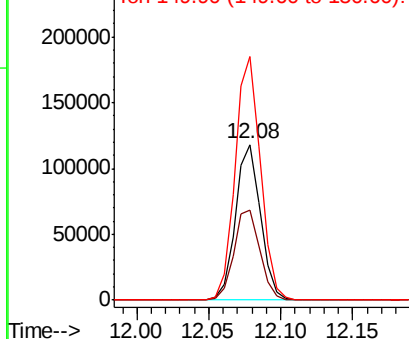


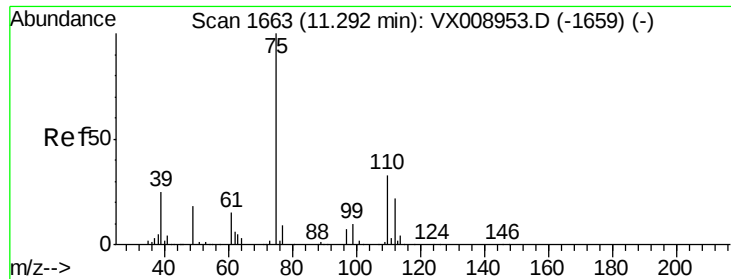
Abundance

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

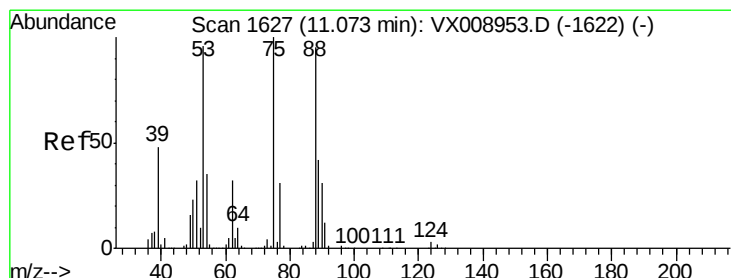
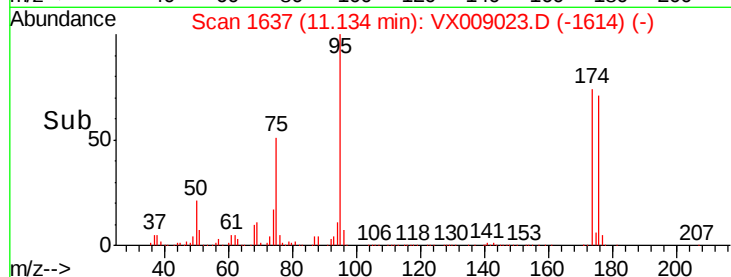
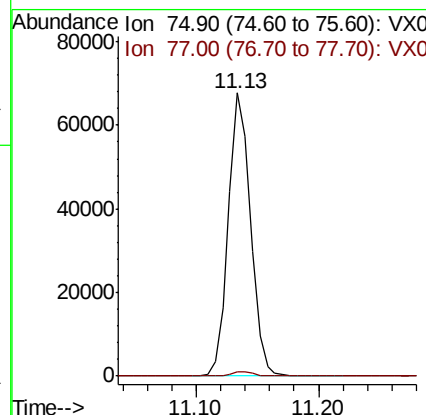
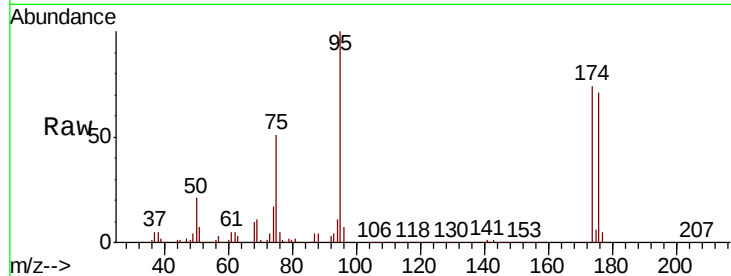




#76
 1,2,3-Trichloropropane
 Concen: 24.316 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX009023.D
 Acq: 17 Apr 2019 18:30

Instrument :
 MSVOA_X
 ClientSampleId :
 SS036MW009-190415

Tot Ion: 75 Resp: 85312
 Ion Ratio Lower Upper
 75 100
 77 1.7 22.7 68.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 62.426 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX009023.D
 Acq: 17 Apr 2019 18:30

Tgt Ion: 75 Resp: 85312
 Ion Ratio Lower Upper
 75 100
 53 0.1 78.2 117.4#
 89 0.0 36.0 54.0#

