

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX042419\
 Data File : VX009149.D
 Acq On : 24 Apr 2019 18:25
 Operator : JC/SP
 Sample : K2555-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 HW-23

Quant Time: Apr 25 05:23:23 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	220444	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	360256	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	303664	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	125637	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	149416	48.10	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.20%	
35) Dibromofluoromethane	5.50	113	110761	47.91	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.82%	
50) Toluene-d8	8.71	98	443128	48.06	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.12%	
62) 4-Bromofluorobenzene	11.13	95	141459	43.46	ug/l	0.00
Spiked Amount 50.000			Recovery	=	86.92%	

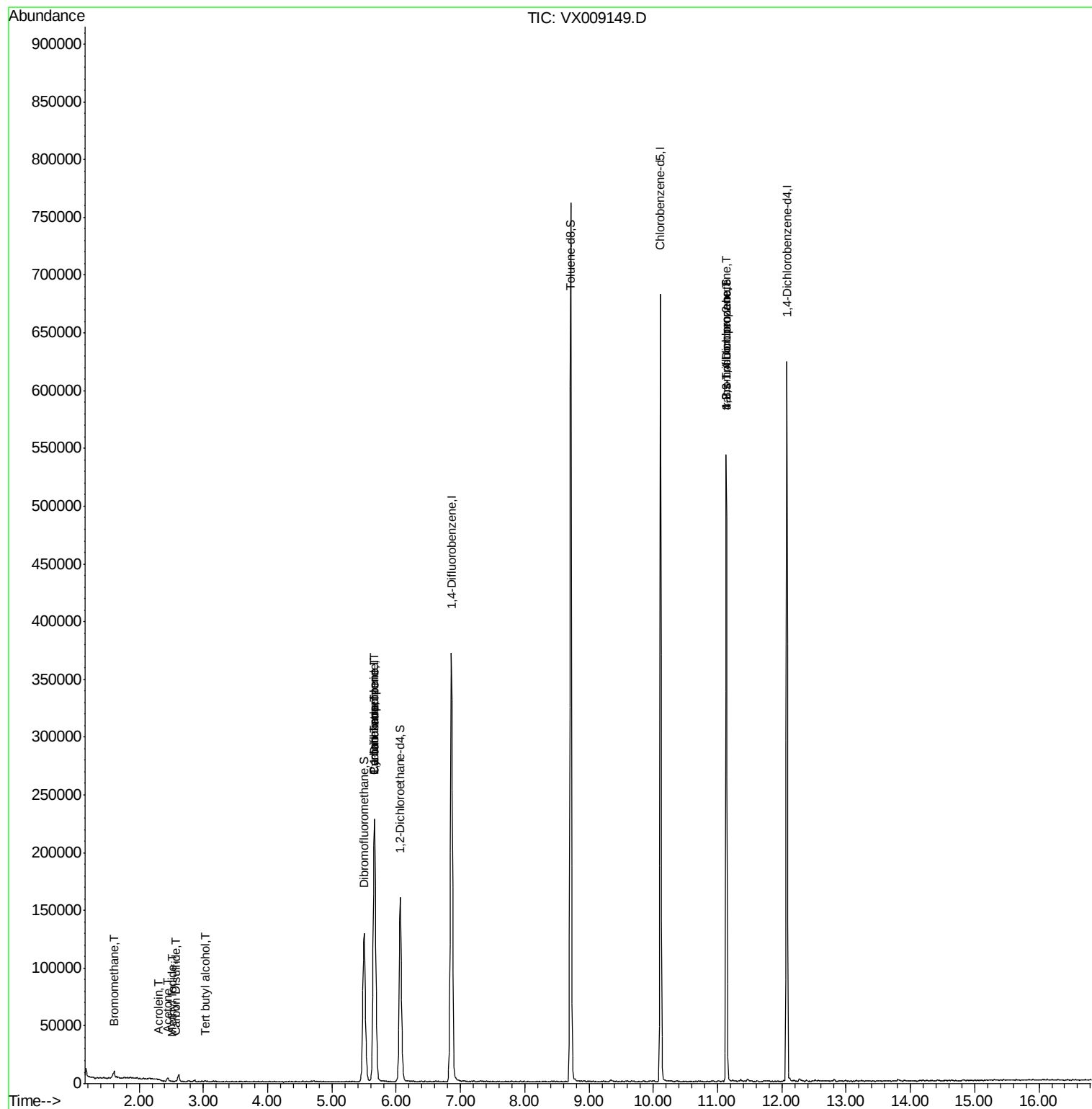
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.62	94	294	3.991	ug/l	98
10) Methyl Iodide	2.51	142	140	4.466	ug/l #	42
11) Tert butyl alcohol	3.04	59	509	0.738	ug/l #	83
13) Acrolein	2.29	56	183	0.307	ug/l #	73
16) Acetone	2.44	43	3874	2.405	ug/l #	88
17) Carbon Disulfide	2.57	76	774	1.361	ug/l #	78
28) Bromochloromethane	5.01	49	156	Below Cal	#	21
31) Cyclohexane	5.66	56	5289	1.069	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	17543	4.708	ug/l #	51
38) Carbon Tetrachloride	5.66	117	21301	6.744	ug/l #	18
76) 1,2,3-Trichloropropane	11.13	75	73538	23.971	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	73538	61.540	ug/l #	11

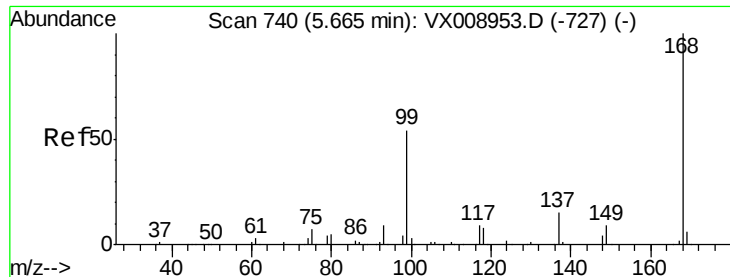
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX009149.D

Acq: 24 Apr 2019 18:25

Instrument :

MSVOA_X

ClientSampled :

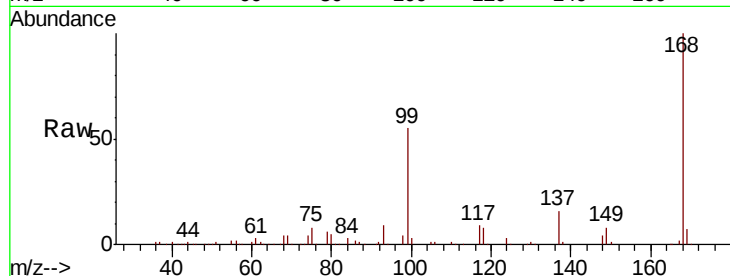
HW-23

Tgt Ion:168 Resp: 220444

Ion Ratio Lower Upper

168 100

99 55.4 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

80000

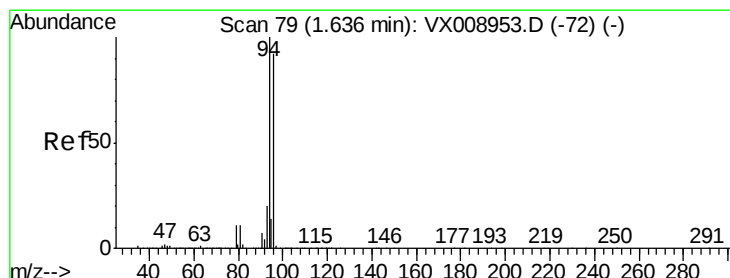
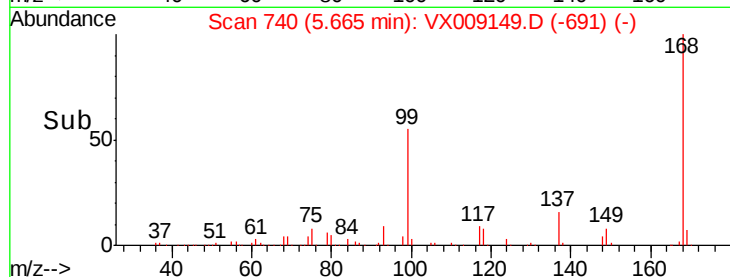
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 3.991 ug/l

RT: 1.62 min Scan# 76

Delta R.T. -0.02 min

Lab File: VX009149.D

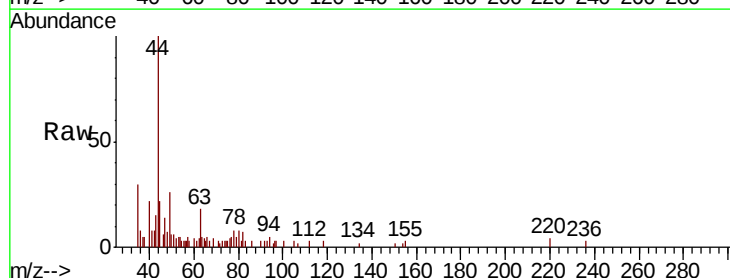
Acq: 24 Apr 2019 18:25

Tgt Ion: 94 Resp: 294

Ion Ratio Lower Upper

94 100

96 90.9 73.9 110.9



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

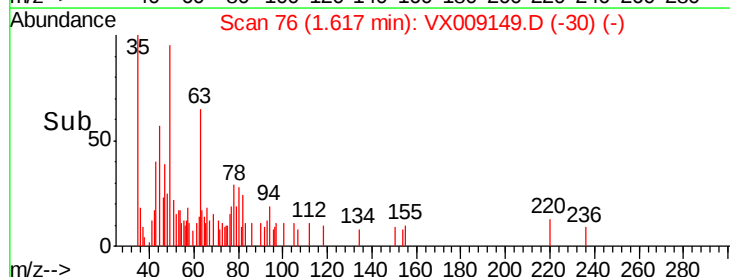
300

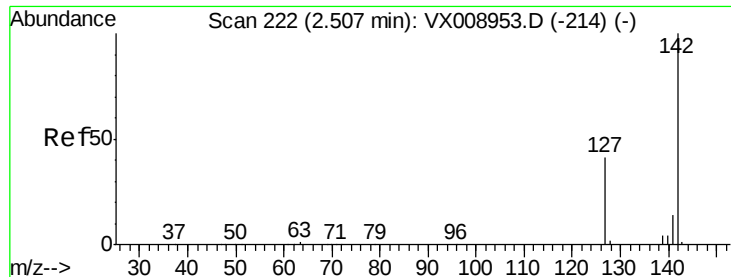
200

100

0

Time--> 1.55 1.60

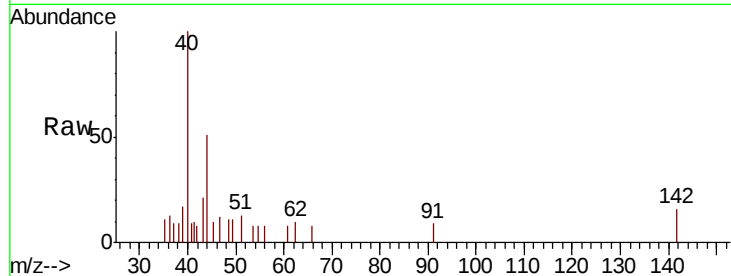




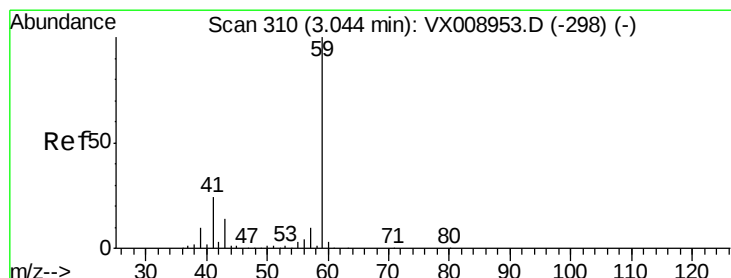
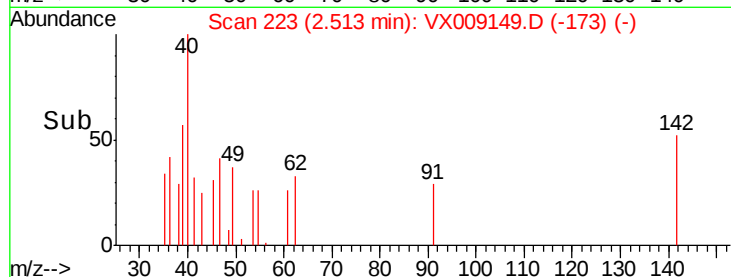
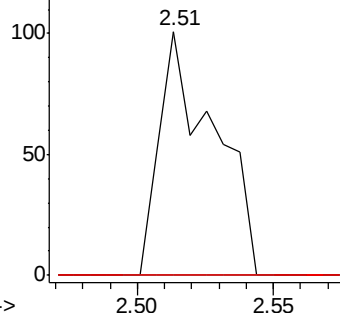
#10
Methyl Iodide
Concen: 4.466 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.01 min
Lab File: VX009149.D
Acq: 24 Apr 2019 18:25

Instrument :
MSVOA_X
ClientSampled :
HW-23

Tgt Ion: 142 Resp: 140
Ion Ratio Lower Upper
142 100
127 0.0 32.8 49.2#
141 0.0 11.4 17.2#

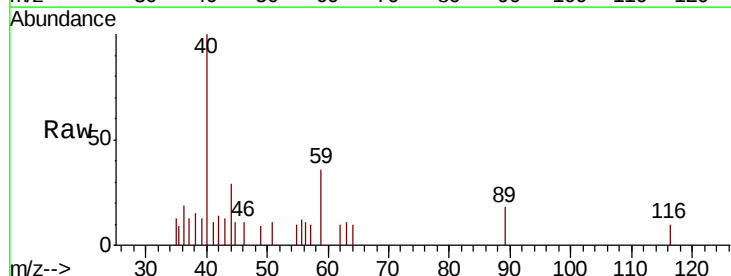


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

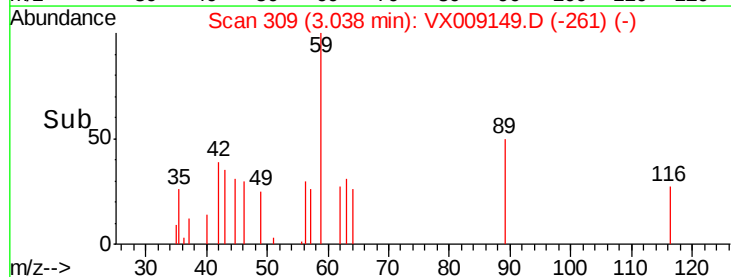
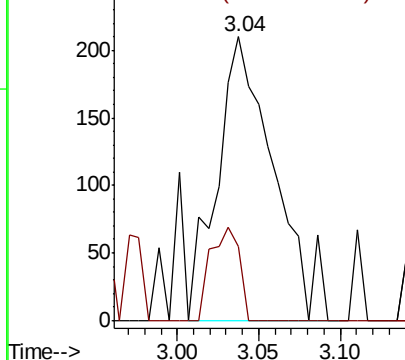


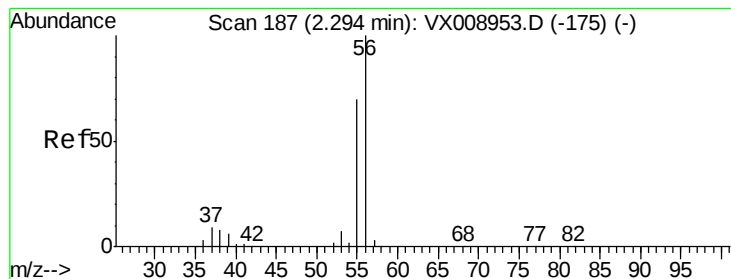
#11
Tert butyl alcohol
Concen: 0.738 ug/l
RT: 3.04 min Scan# 309
Delta R.T. -0.01 min
Lab File: VX009149.D
Acq: 24 Apr 2019 18:25

Tgt Ion: 59 Resp: 509
Ion Ratio Lower Upper
59 100
57 16.7 8.4 12.6#



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





#13

Acrolein

Concen: 0.307 ug/l

RT: 2.29 min Scan# 186

Delta R.T. -0.01 min

Lab File: VX009149.D

Acq: 24 Apr 2019 18:25

Instrument :

MSVOA_X

ClientSampleId :

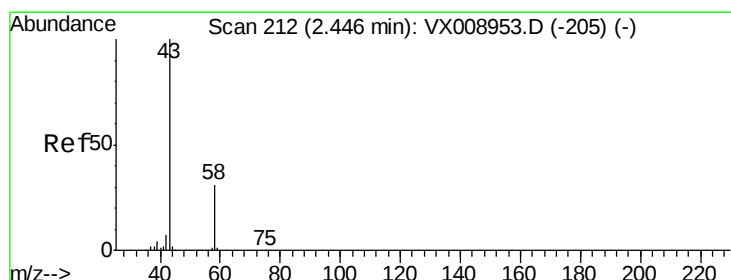
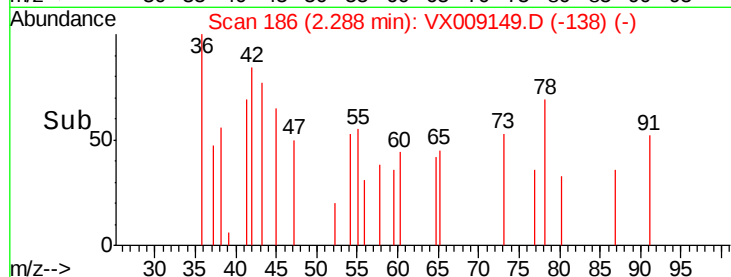
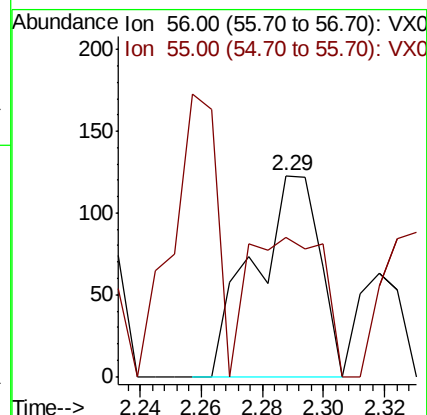
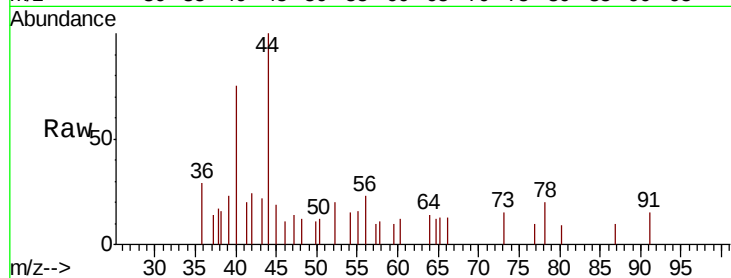
HW-23

Tgt Ion: 56 Resp: 183

Ion Ratio Lower Upper

56 100

55 48.6 56.6 84.8#



#16

Acetone

Concen: 2.405 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX009149.D

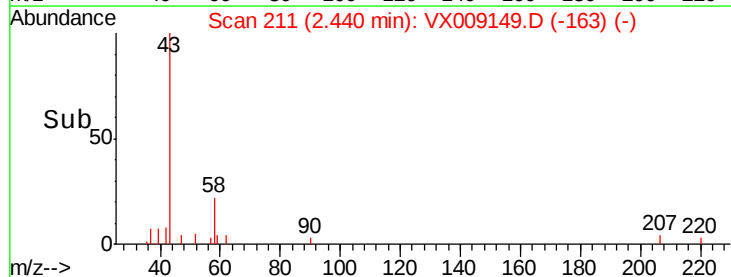
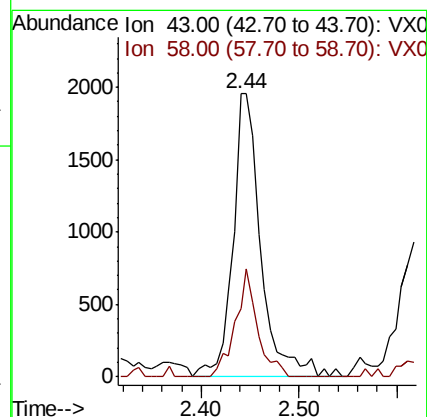
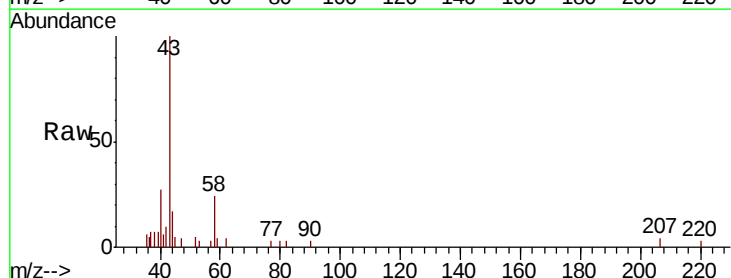
Acq: 24 Apr 2019 18:25

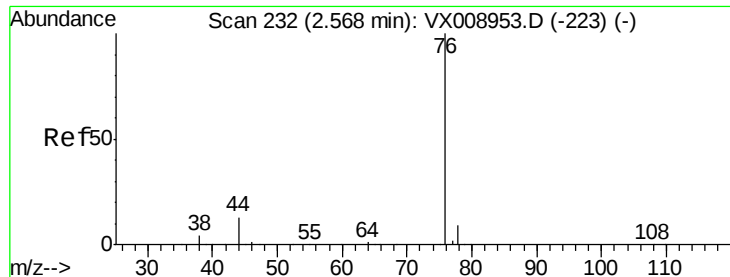
Tgt Ion: 43 Resp: 3874

Ion Ratio Lower Upper

43 100

58 24.3 24.8 37.2#





#17

Carbon Disulfide

Concen: 1.361 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX009149.D

Acq: 24 Apr 2019 18:25

Instrument :

MSVOA_X

ClientSampleId :

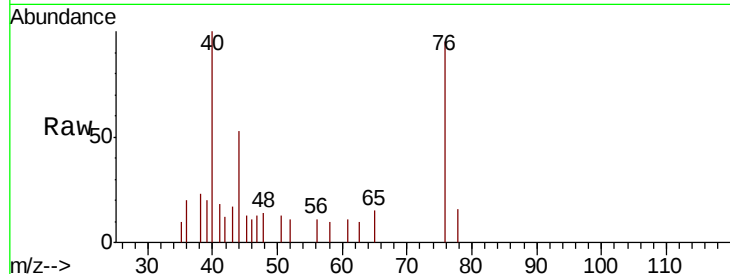
HW-23

Tgt Ion: 76 Resp: 774

Ion Ratio Lower Upper

76 100

78 16.9 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

500

400

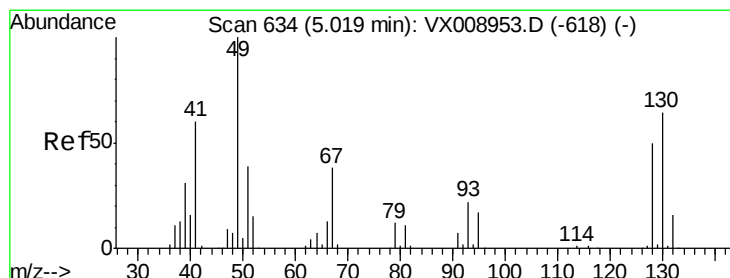
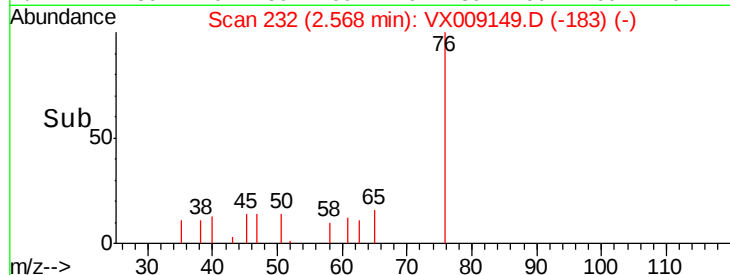
300

200

100

0

Time--> 2.50 2.55 2.60



#28

Bromochloromethane

Concen: Below Cal

RT: 5.01 min Scan# 633

Delta R.T. -0.01 min

Lab File: VX009149.D

Acq: 24 Apr 2019 18:25

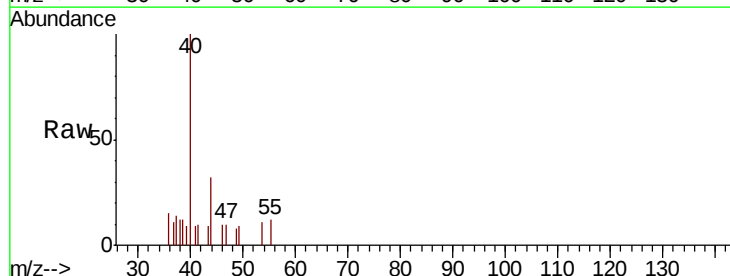
Tgt Ion: 49 Resp: 156

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

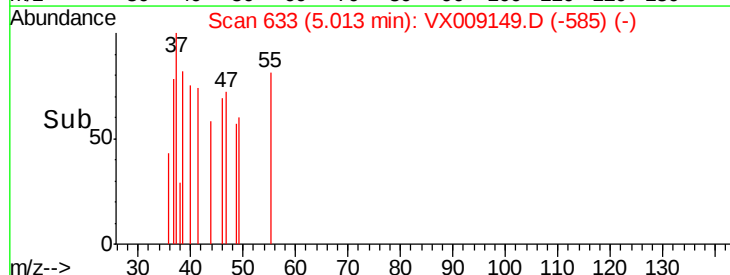
150

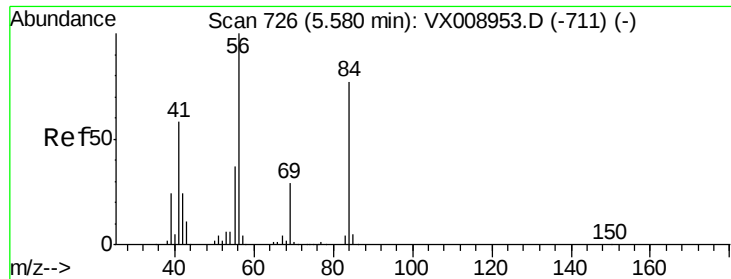
100

50

0

Time--> 5.00 5.05

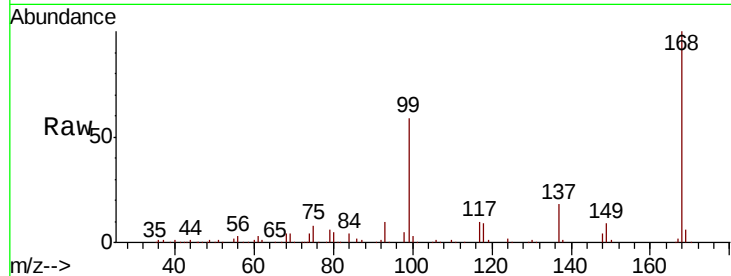




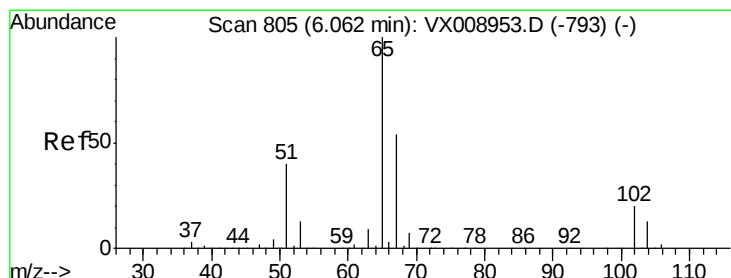
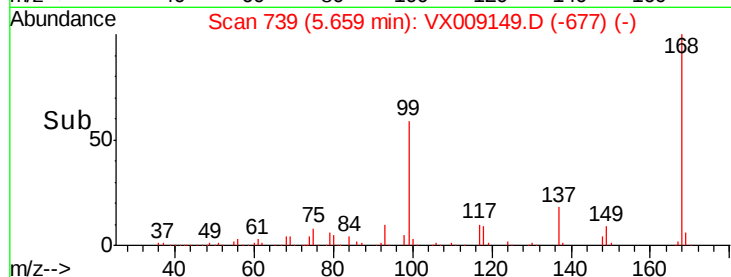
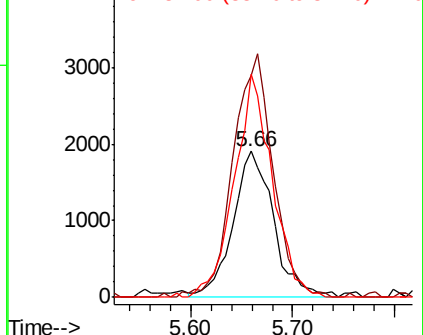
#31
Cyclohexane
Concen: 1.069 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.08 min
Lab File: VX009149.D
Acq: 24 Apr 2019 18:25

Instrument :
MSVOA_X
ClientSampleId :
HW-23

Tgt Ion: 56 Resp: 5289
Ion Ratio Lower Upper
56 100
69 152.0 23.3 34.9#
84 152.7 61.7 92.5#

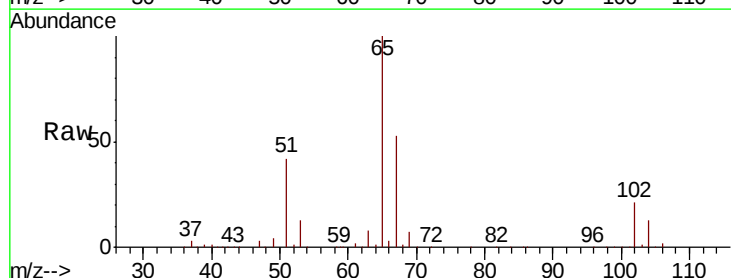


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

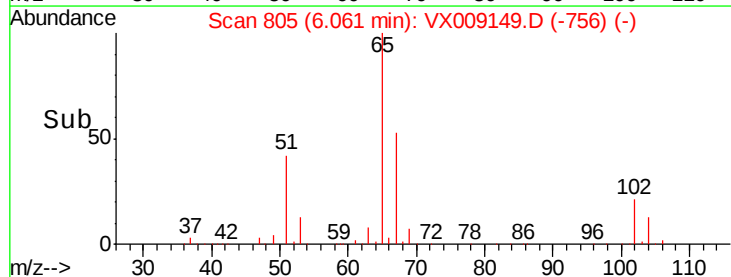
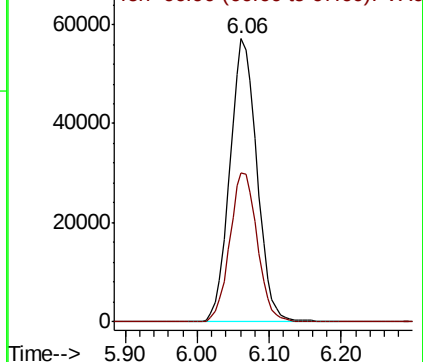


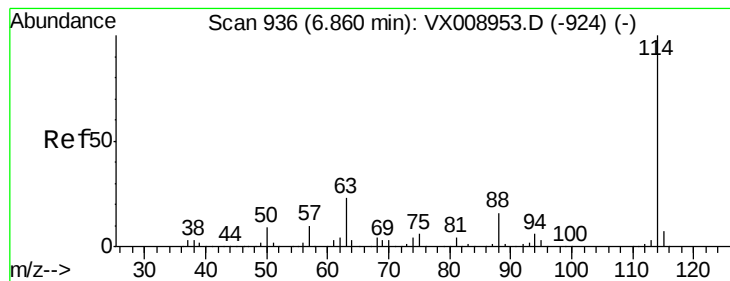
#33
1,2-Dichloroethane-d4
Concen: 48.095 ug/l
RT: 6.06 min Scan# 805
Delta R.T. -0.00 min
Lab File: VX009149.D
Acq: 24 Apr 2019 18:25

Tgt Ion: 65 Resp: 149416
Ion Ratio Lower Upper
65 100
67 53.3 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: VX009149.D

Acq: 24 Apr 2019 18:25

Instrument :

MSVOA_X

ClientSampleId :

HW-23

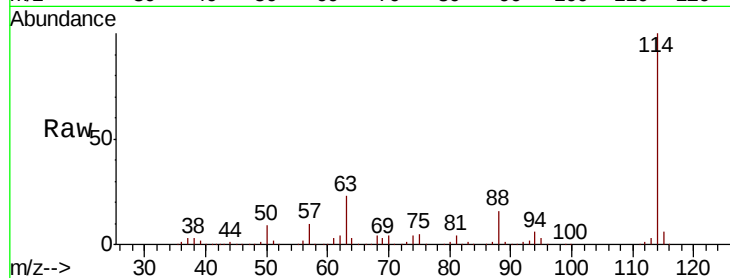
Tgt Ion:114 Resp: 360256

Ion Ratio Lower Upper

114 100

63 23.3 0.0 46.0

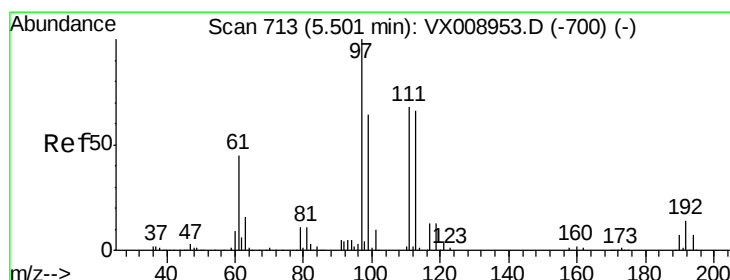
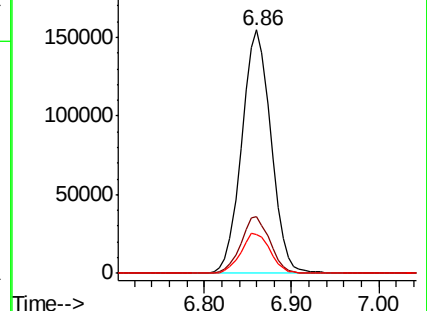
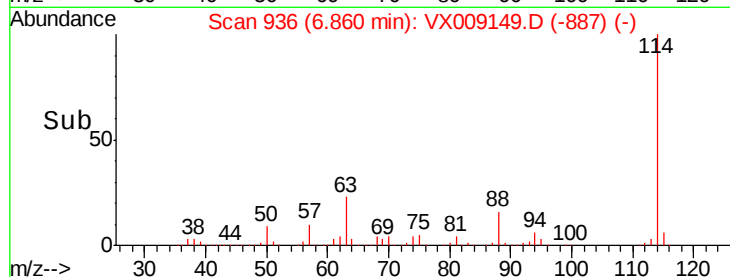
88 16.1 0.0 32.6



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: 47.906 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX009149.D

Acq: 24 Apr 2019 18:25

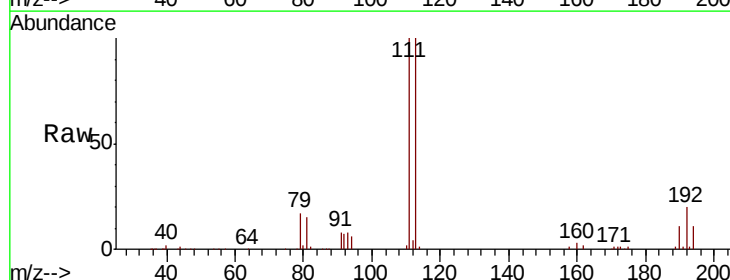
Tgt Ion:113 Resp: 110761

Ion Ratio Lower Upper

113 100

111 100.8 82.9 124.3

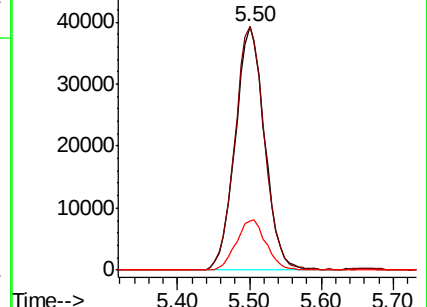
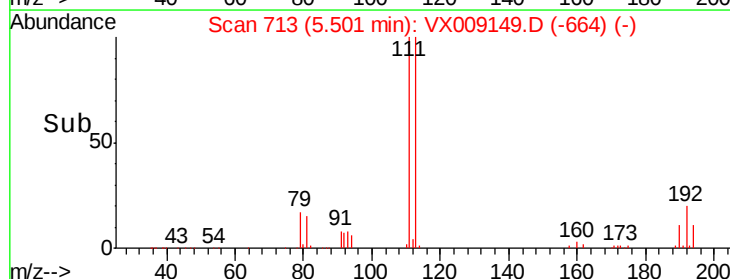
192 20.9 17.4 26.0

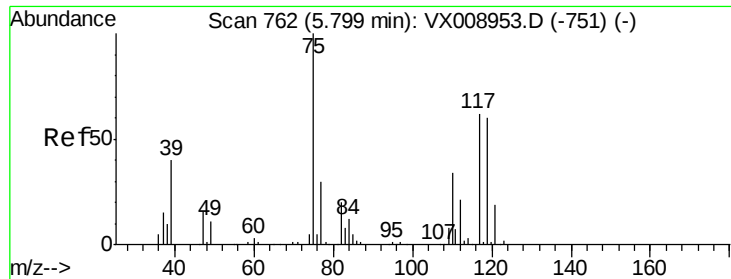


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

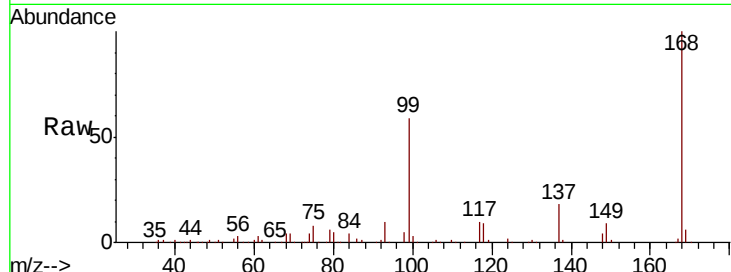




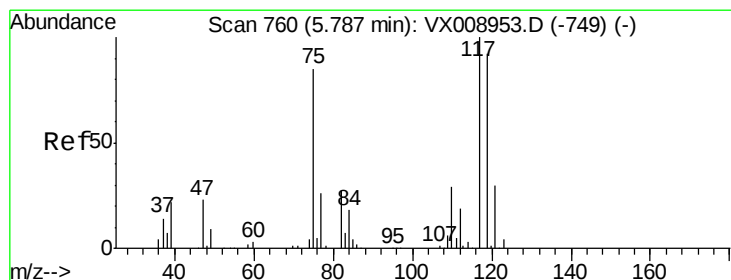
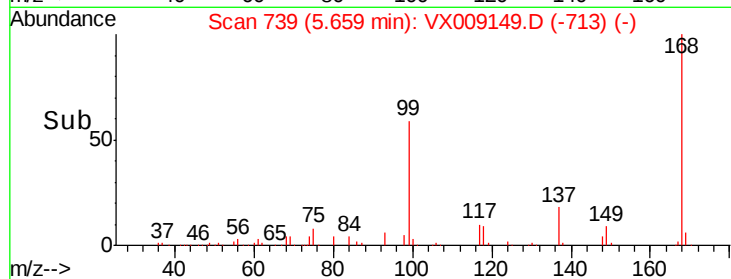
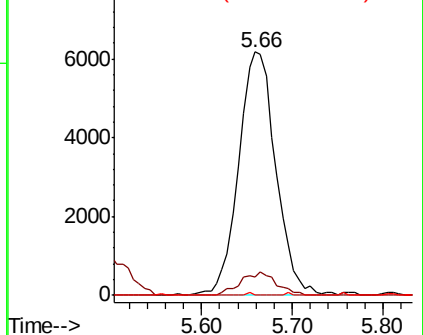
#36
 1,1-Dichloropropene
 Concen: 4.708 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX009149.D
 Acq: 24 Apr 2019 18:25

Instrument :
 MSVOA_X
 ClientSampleId :
 HW-23

Tgt Ion: 75 Resp: 17543
 Ion Ratio Lower Upper
 75 100
 110 9.2 16.9 50.7#
 77 0.2 25.0 37.4#

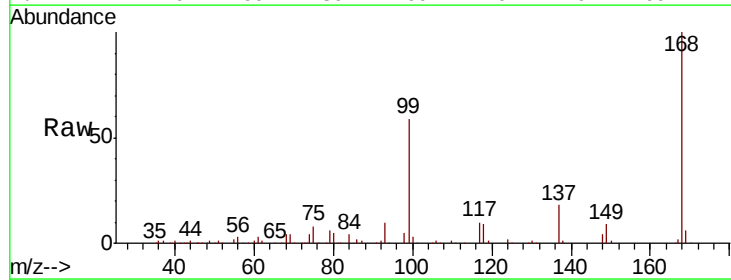


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

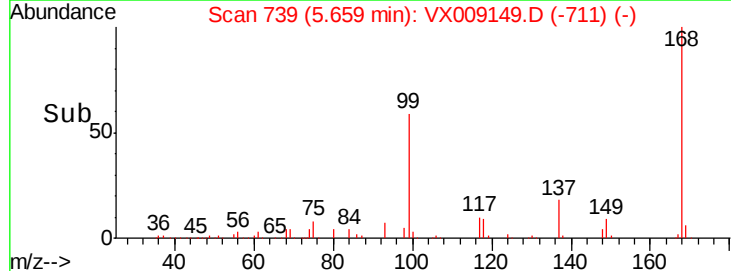
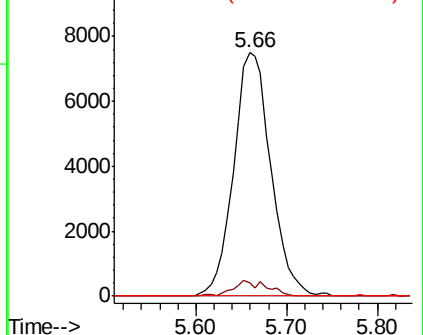


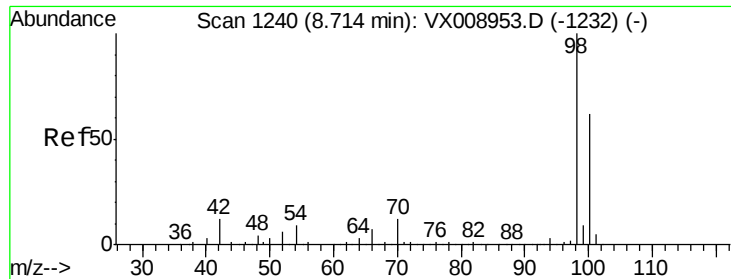
#38
 Carbon Tetrachloride
 Concen: 6.744 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.13 min
 Lab File: VX009149.D
 Acq: 24 Apr 2019 18:25

Tgt Ion: 117 Resp: 21301
 Ion Ratio Lower Upper
 117 100
 119 5.2 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

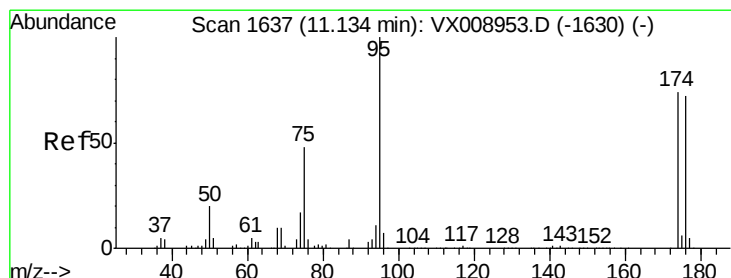
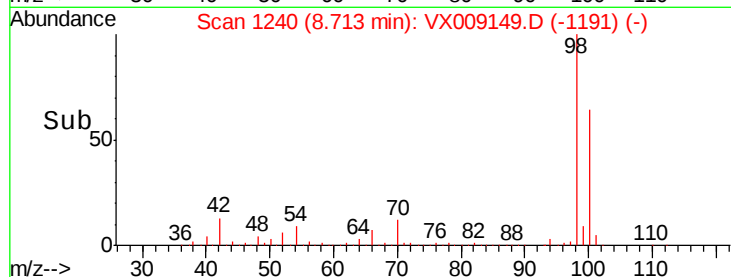
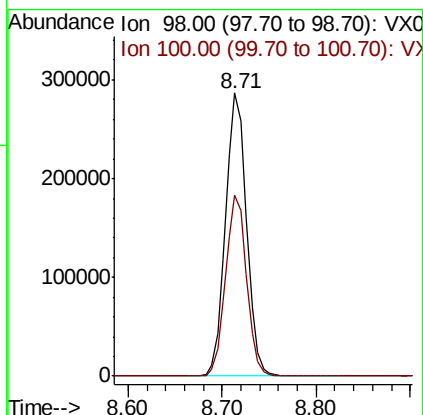
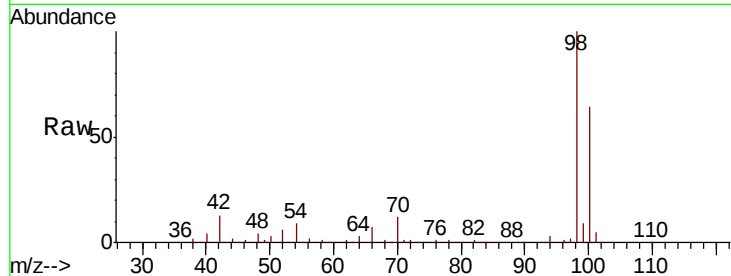




#50
Toluene-d8
Concen: 48.059 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX009149.D
Acq: 24 Apr 2019 18:25

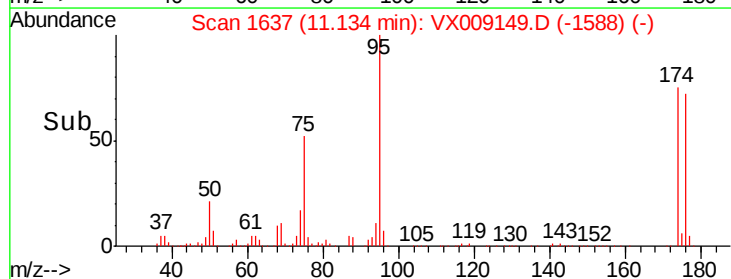
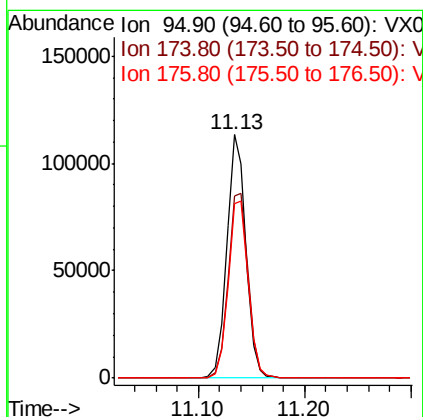
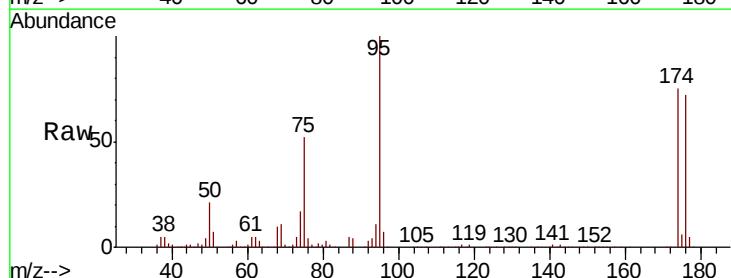
Instrument :
MSVOA_X
ClientSampleId :
HW-23

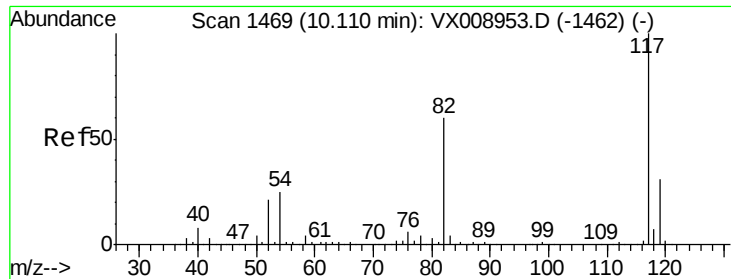
Tgt Ion: 98 Resp: 443128
Ion Ratio Lower Upper
98 100
100 64.0 51.4 77.2



#62
4-Bromofluorobenzene
Concen: 43.461 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX009149.D
Acq: 24 Apr 2019 18:25

Tgt Ion: 95 Resp: 141459
Ion Ratio Lower Upper
95 100
174 80.8 0.0 159.6
176 77.1 0.0 154.8

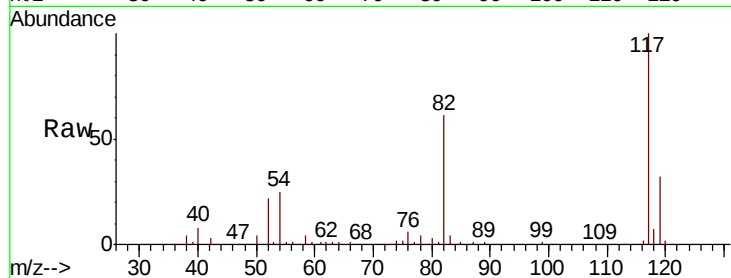




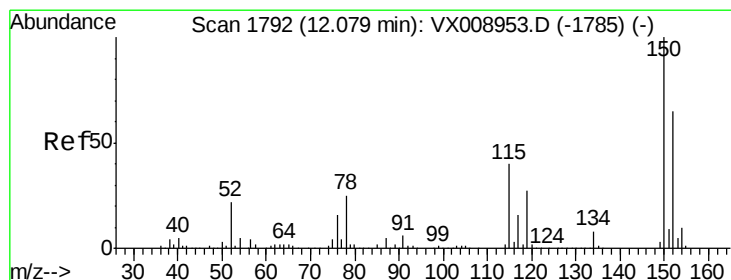
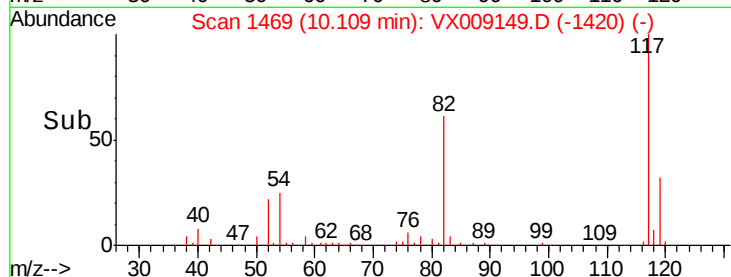
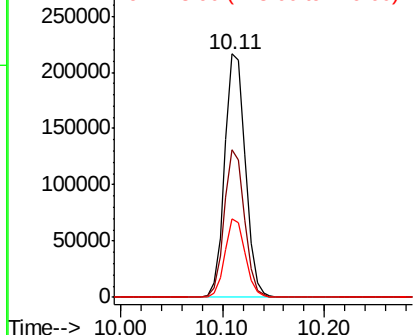
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX009149.D
Acq: 24 Apr 2019 18:25

Instrument :
MSVOA_X
ClientSampled :
HW-23

Tgt Ion:117 Resp: 303664
Ion Ratio Lower Upper
117 100
82 60.7 48.2 72.4
119 32.2 25.0 37.6

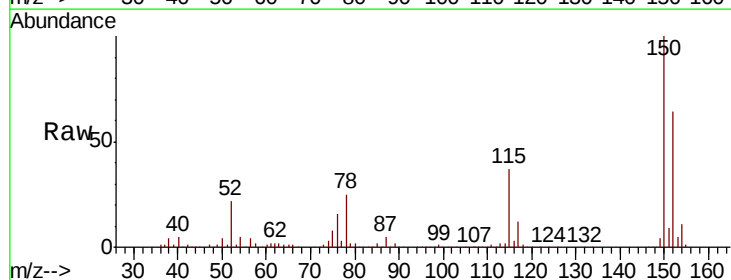


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

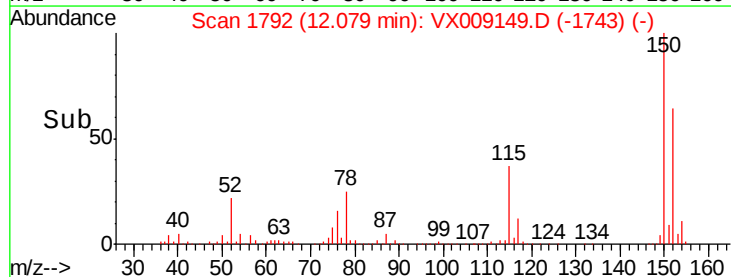
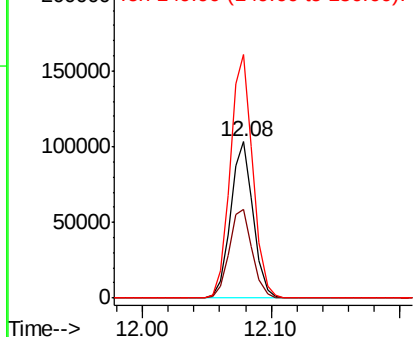


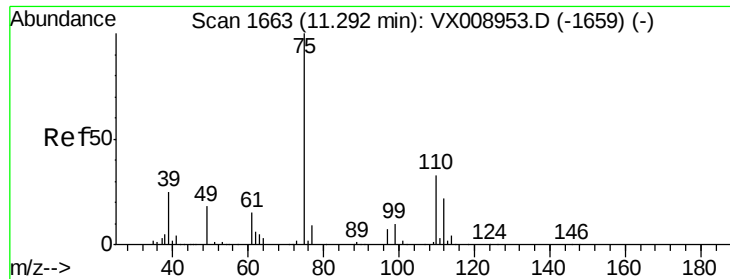
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX009149.D
Acq: 24 Apr 2019 18:25

Tgt Ion:152 Resp: 125637
Ion Ratio Lower Upper
152 100
115 59.0 41.4 124.2
150 157.1 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: 23.971 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009149.D

Acq: 24 Apr 2019 18:25

Instrument :

MSVOA_X

ClientSampleId :

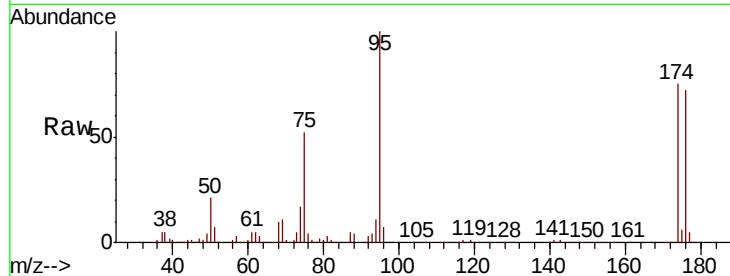
HW-23

Tgt Ion: 75 Resp: 73538

Ion Ratio Lower Upper

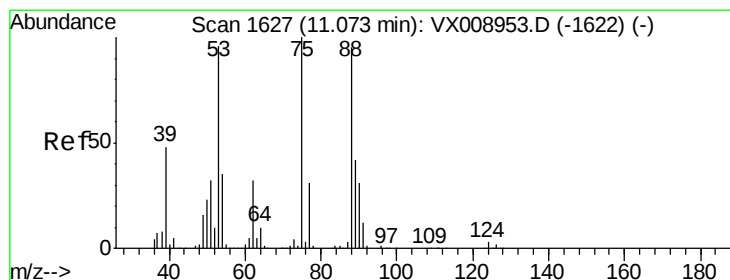
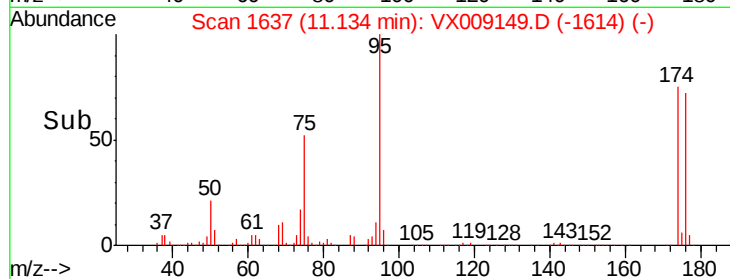
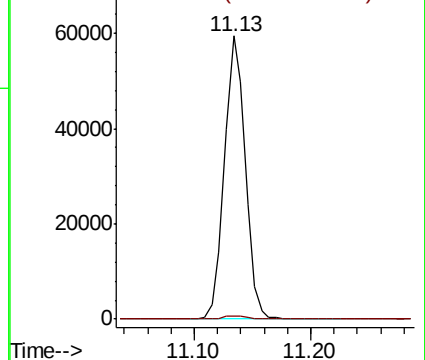
75 100

77 1.3 22.7 68.0#



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: 61.540 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009149.D

Acq: 24 Apr 2019 18:25

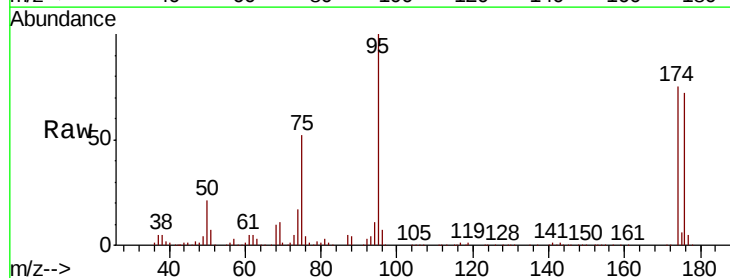
Tgt Ion: 75 Resp: 73538

Ion Ratio Lower Upper

75 100

53 0.1 78.2 117.4#

89 0.0 36.0 54.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

