

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX042419\
 Data File : VX009150.D
 Acq On : 24 Apr 2019 18:49
 Operator : JC/SP
 Sample : K2555-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 HW-15

Quant Time: Apr 25 05:23:34 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

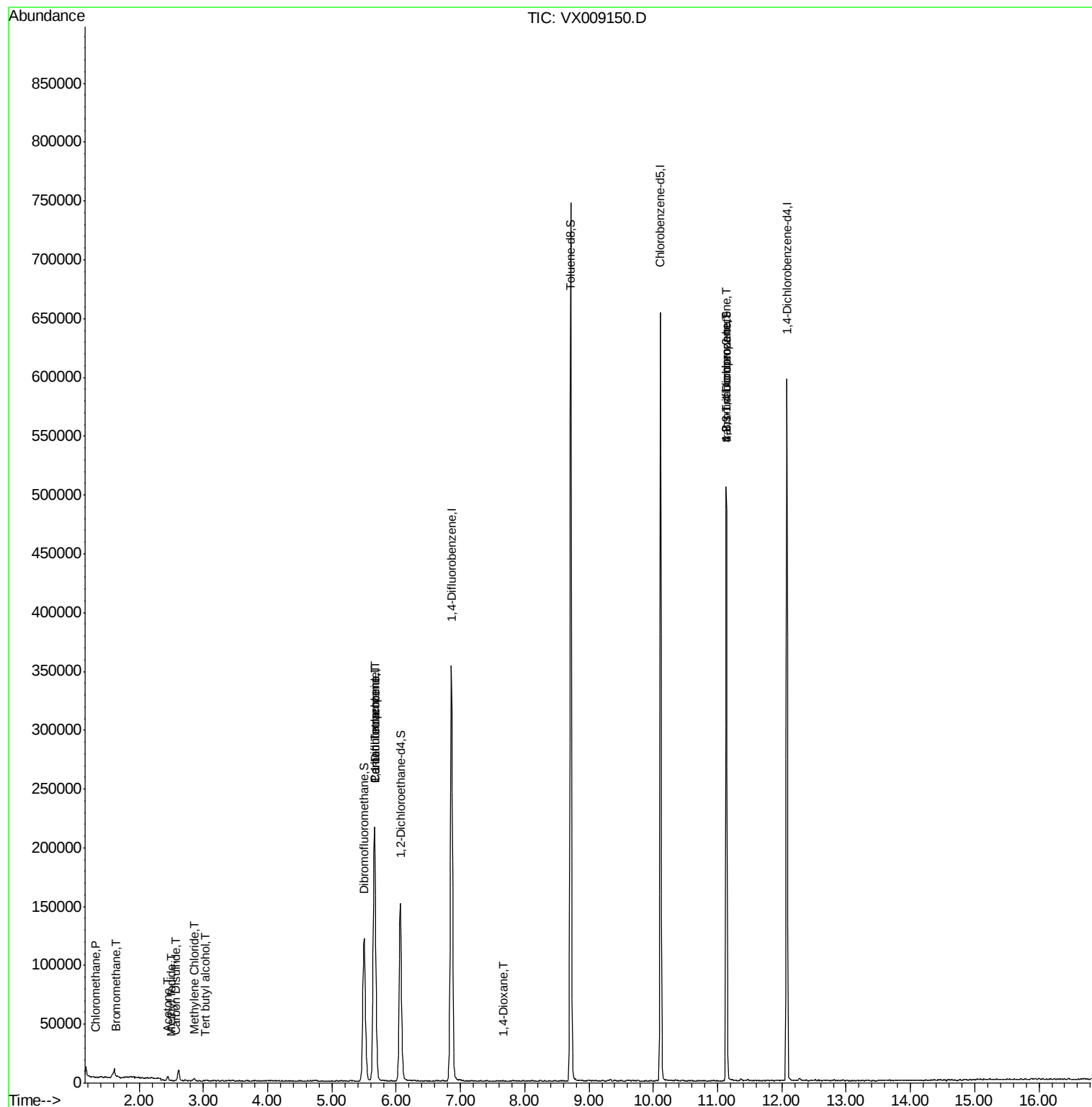
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	208633	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	344822	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	291361	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	119257	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	143377	48.76	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.52%	
35) Dibromofluoromethane	5.50	113	104262	47.11	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.22%	
50) Toluene-d8	8.71	98	421807	47.79	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.58%	
62) 4-Bromofluorobenzene	11.13	95	136761	43.90	ug/l	0.00
Spiked Amount 50.000			Recovery	=	87.80%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.33	50	620	0.210	ug/l	91
5) Bromomethane	1.64	94	239	3.971	ug/l #	73
10) Methyl Iodide	2.51	142	51	4.434	ug/l #	42
11) Tert butyl alcohol	3.03	59	135	0.207	ug/l #	72
16) Acetone	2.45	43	3896	2.555	ug/l	95
17) Carbon Disulfide	2.57	76	693	1.355	ug/l #	56
20) Methylene Chloride	2.85	84	750	0.288	ug/l	87
28) Bromochloromethane	5.01	49	70	Below Cal	#	21
36) 1,1-Dichloropropene	5.66	75	16686	4.679	ug/l #	49
38) Carbon Tetrachloride	5.67	117	19922	6.589	ug/l #	17
49) 1,4-Dioxane	7.65	88	21	0.307	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	69248	23.780	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	69248	61.050	ug/l #	11

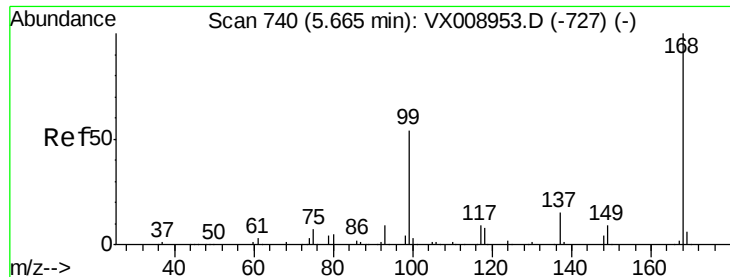
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX042419\
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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: VX009150.D

Acq: 24 Apr 2019 18:49

Instrument :

MSVOA_X

ClientSampleId :

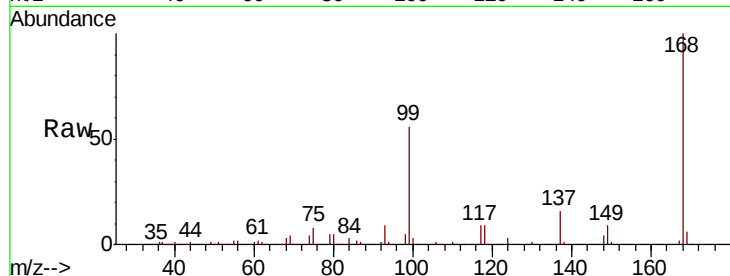
HW-15

Tgt Ion:168 Resp: 208633

Ion Ratio Lower Upper

168 100

99 55.9 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

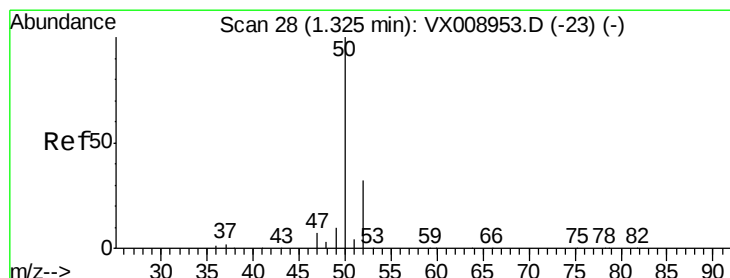
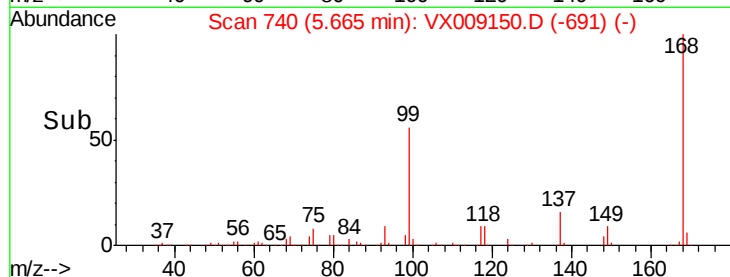
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.210 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX009150.D

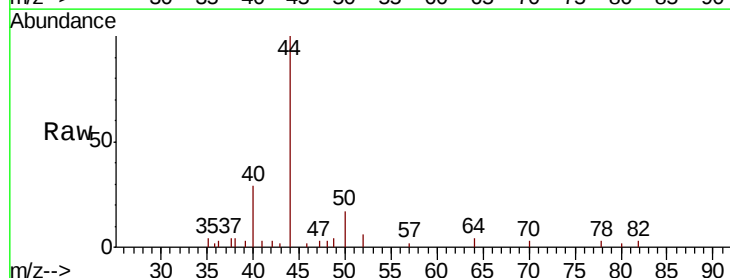
Acq: 24 Apr 2019 18:49

Tgt Ion: 50 Resp: 620

Ion Ratio Lower Upper

50 100

52 37.0 25.5 38.3



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.33

500

400

300

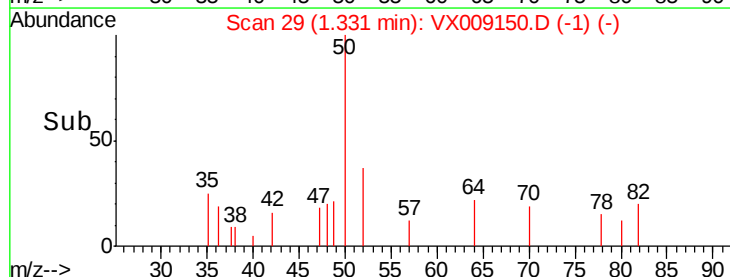
200

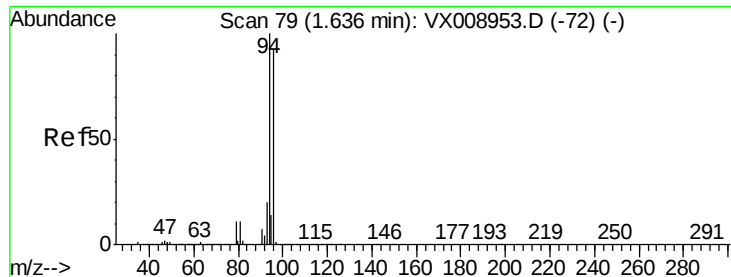
100

0

Time-->

1.30 1.35





#5

Bromomethane

Concen: 3.971 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX009150.D

Acq: 24 Apr 2019 18:49

Instrument :

MSVOA_X

ClientSampleId :

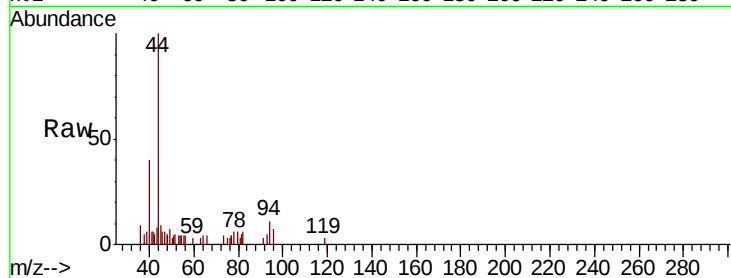
HW-15

Tgt Ion: 94 Resp: 239

Ion Ratio Lower Upper

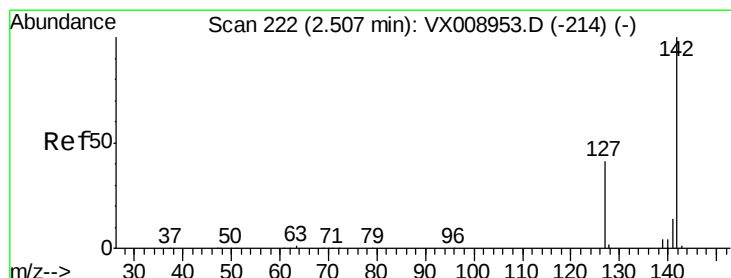
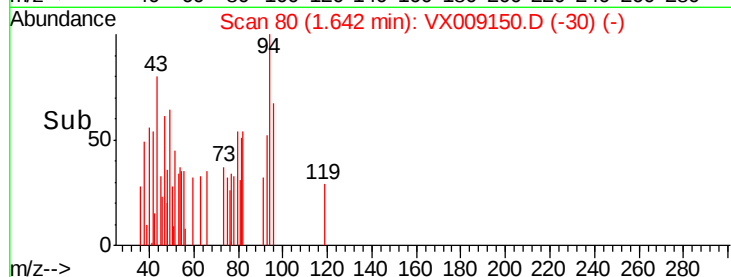
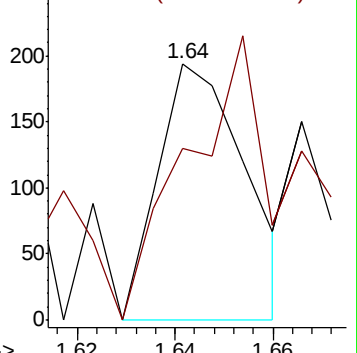
94 100

96 67.0 73.9 110.9#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#10

Methyl Iodide

Concen: 4.434 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.01 min

Lab File: VX009150.D

Acq: 24 Apr 2019 18:49

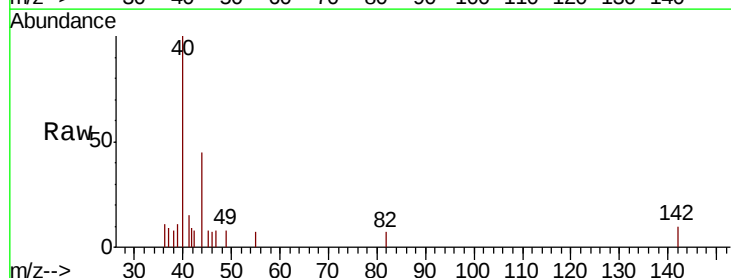
Tgt Ion: 142 Resp: 51

Ion Ratio Lower Upper

142 100

127 0.0 32.8 49.2#

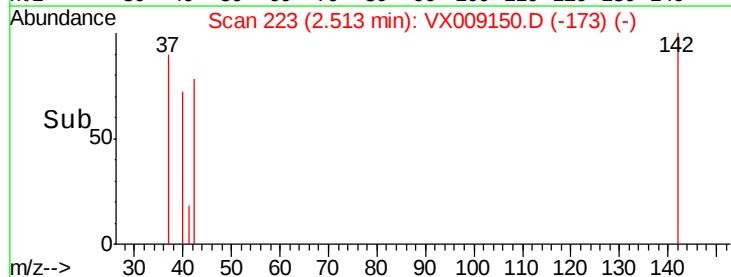
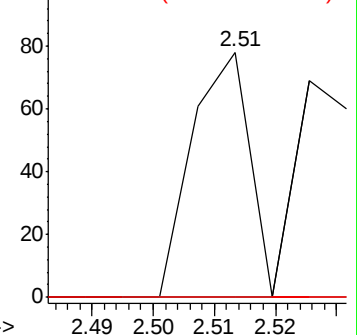
141 0.0 11.4 17.2#

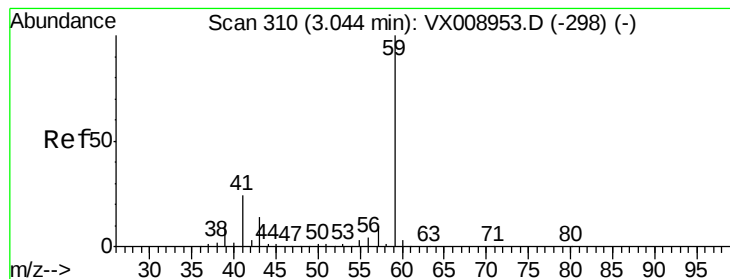


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



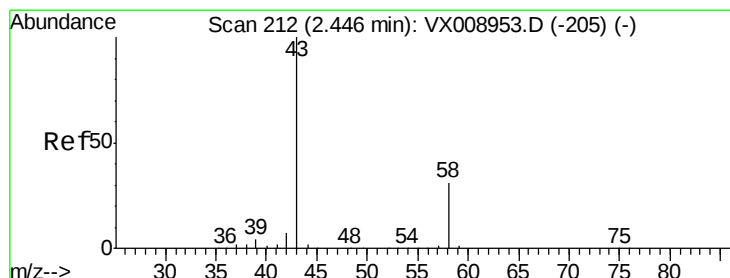
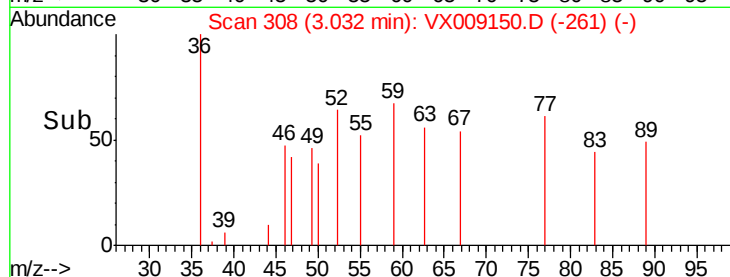
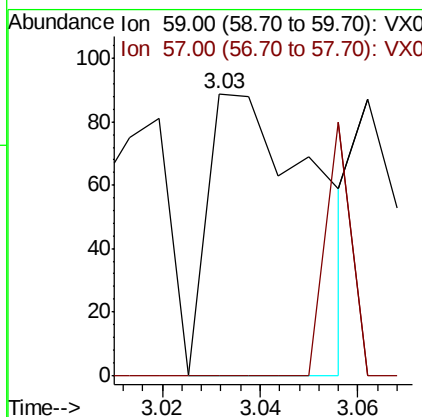
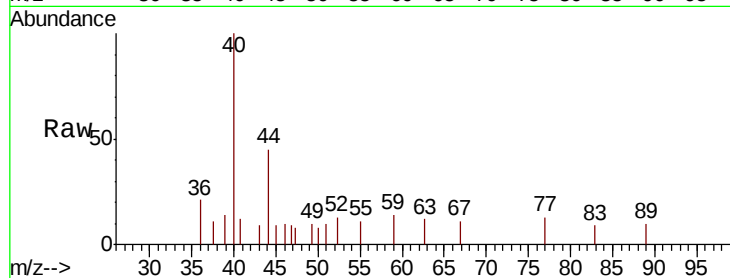


#11

Tert butyl alcohol
 Concen: 0.207 ug/l
 RT: 3.03 min Scan# 308
 Delta R.T. -0.01 min
 Lab File: VX009150.D
 Acq: 24 Apr 2019 18:49

Instrument :
 MSVOA_X
 ClientSampled :
 HW-15

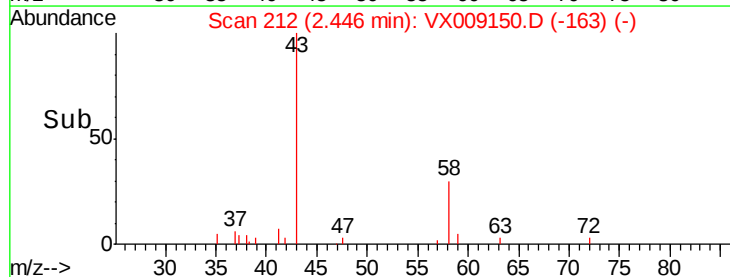
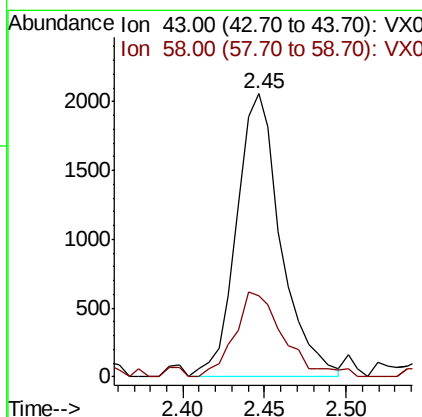
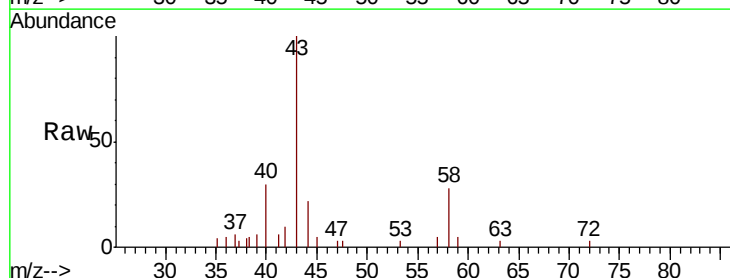
Tgt Ion: 59 Resp: 135
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.4 12.6#

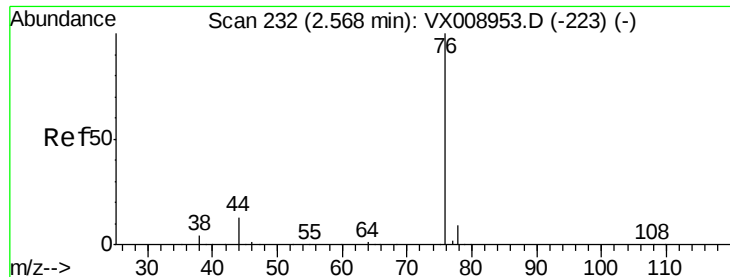


#16

Acetone
 Concen: 2.555 ug/l
 RT: 2.45 min Scan# 212
 Delta R.T. -0.00 min
 Lab File: VX009150.D
 Acq: 24 Apr 2019 18:49

Tgt Ion: 43 Resp: 3896
 Ion Ratio Lower Upper
 43 100
 58 28.4 24.8 37.2





#17

Carbon Disulfide

Concen: 1.355 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX009150.D

Acq: 24 Apr 2019 18:49

Instrument :

MSVOA_X

ClientSampled :

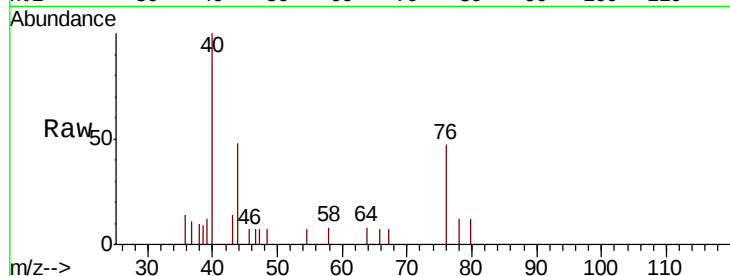
HW-15

Tgt Ion: 76 Resp: 693

Ion Ratio Lower Upper

76 100

78 25.1 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

400

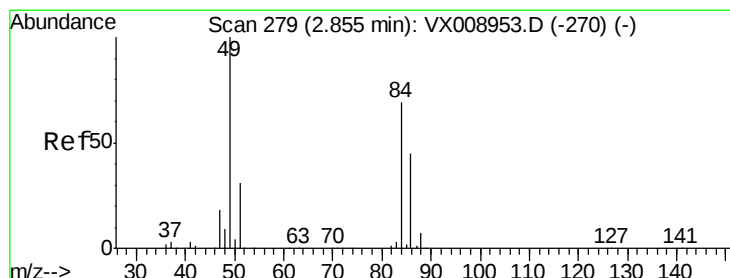
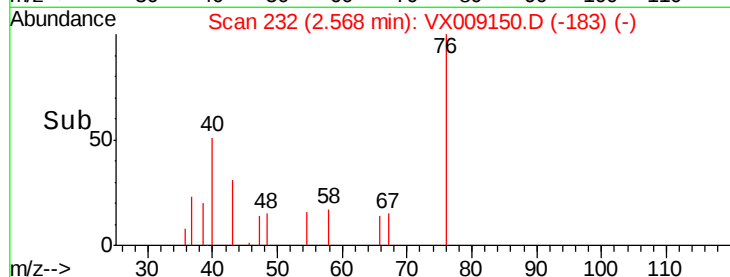
300

200

100

0

Time-->



#20

Methylene Chloride

Concen: 0.288 ug/l

RT: 2.85 min Scan# 279

Delta R.T. -0.00 min

Lab File: VX009150.D

Acq: 24 Apr 2019 18:49

Tgt Ion: 84 Resp: 750

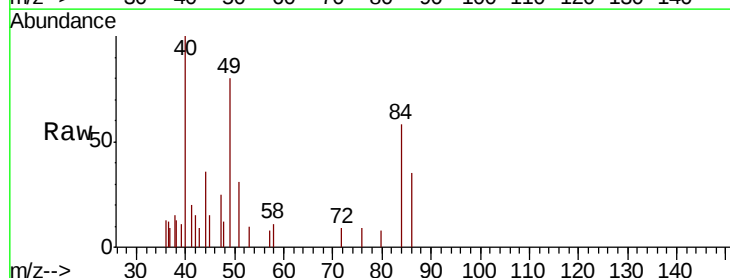
Ion Ratio Lower Upper

84 100

49 123.3 115.4 173.0

51 53.0 35.8 53.6

86 61.0 52.1 78.1



Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0

800

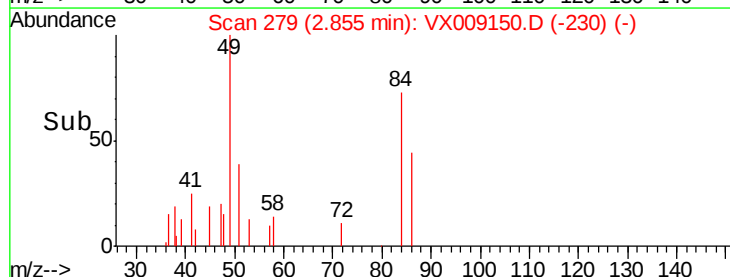
600

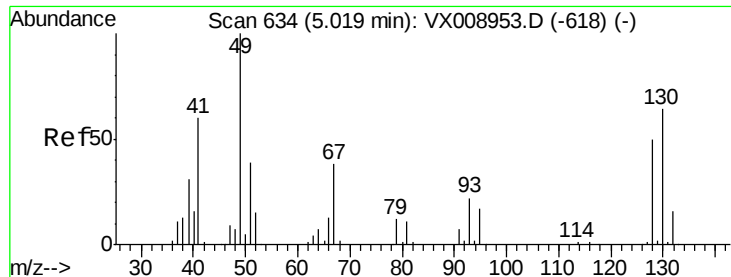
400

200

0

Time-->





#28

Bromochloromethane

Concen: Below Cal

RT: 5.01 min Scan# 633

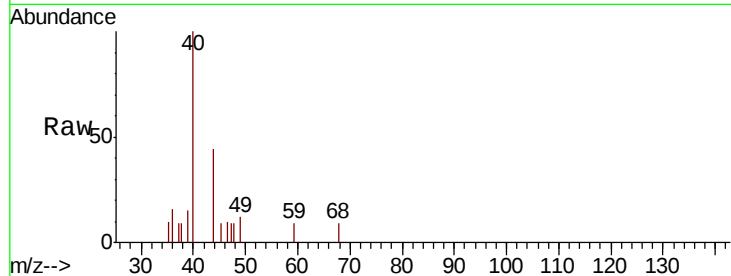
Delta R.T. -0.01 min

Lab File: VX009150.D

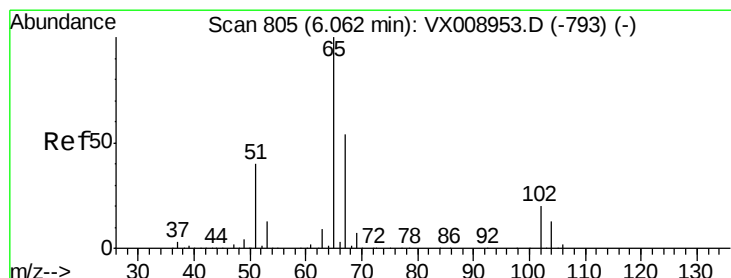
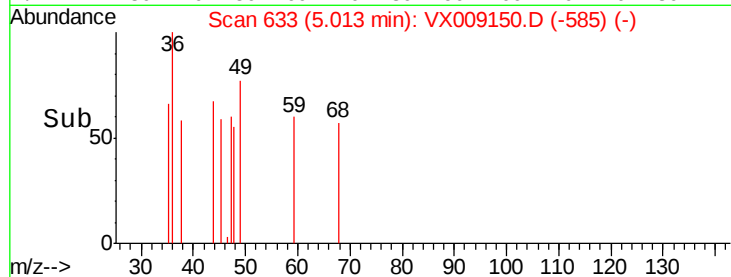
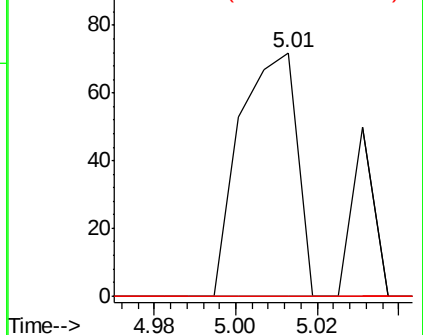
Acq: 24 Apr 2019 18:49

Instrument :
MSVOA_X
ClientSampleId :
HW-15

Tgt Ion: 49 Resp: 70
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



#33

1,2-Dichloroethane-d4

Concen: 48.764 ug/l

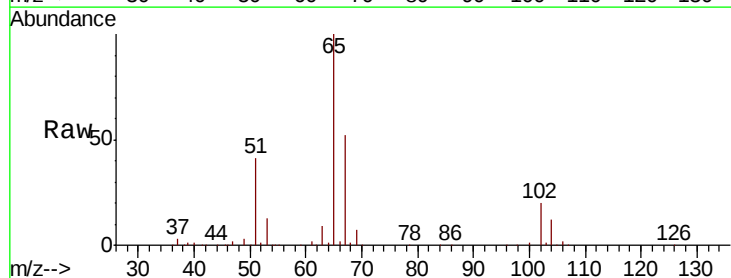
RT: 6.07 min Scan# 806

Delta R.T. 0.01 min

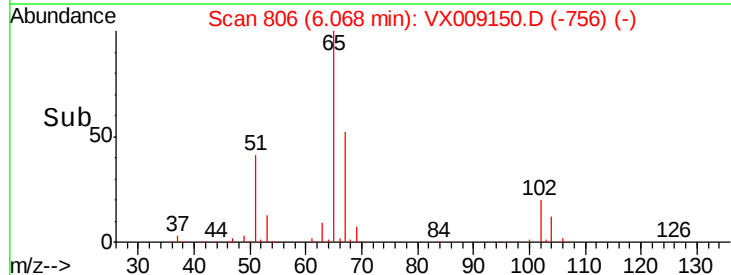
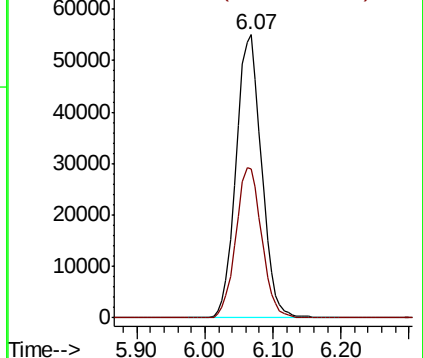
Lab File: VX009150.D

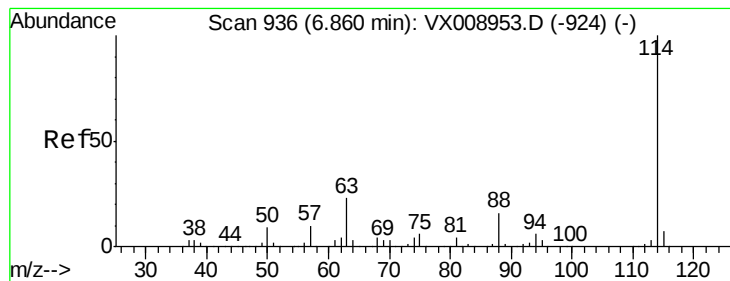
Acq: 24 Apr 2019 18:49

Tgt Ion: 65 Resp: 143377
Ion Ratio Lower Upper
65 100
67 53.8 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: VX009150.D

Acq: 24 Apr 2019 18:49

Instrument :

MSVOA_X

ClientSampleId :

HW-15

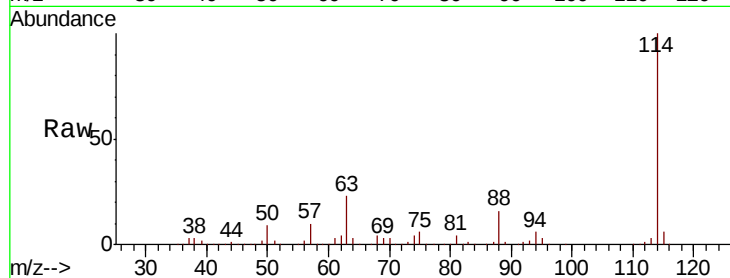
Tgt Ion:114 Resp: 344822

Ion Ratio Lower Upper

114 100

63 22.5 0.0 46.0

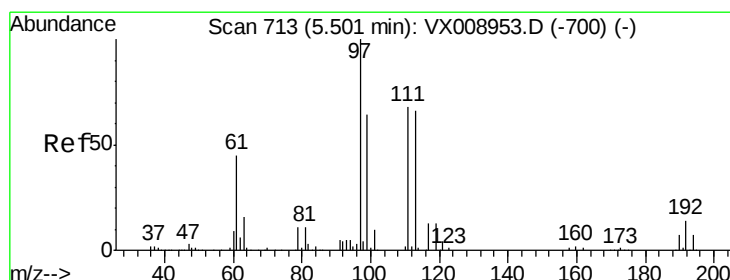
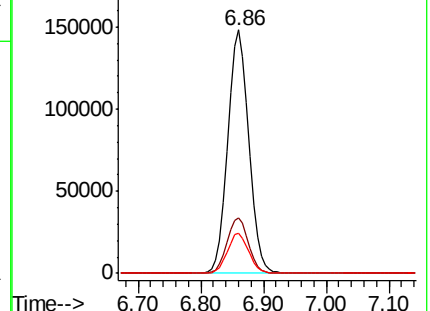
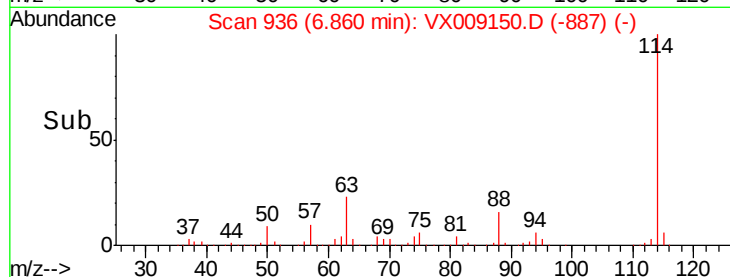
88 16.3 0.0 32.6



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: 47.114 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX009150.D

Acq: 24 Apr 2019 18:49

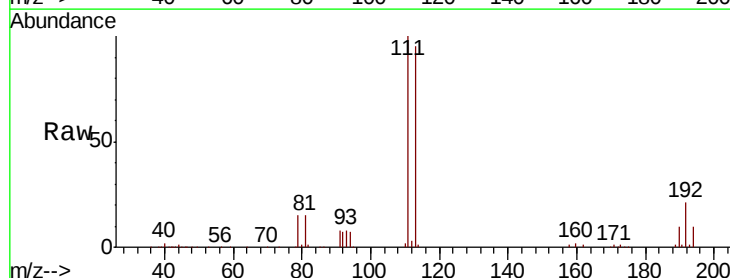
Tgt Ion:113 Resp: 104262

Ion Ratio Lower Upper

113 100

111 103.2 82.9 124.3

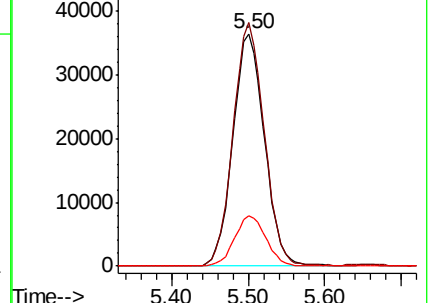
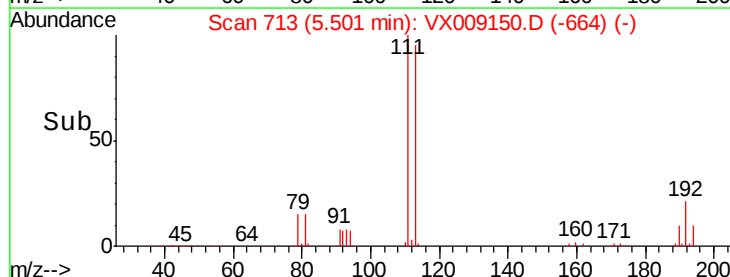
192 21.4 17.4 26.0

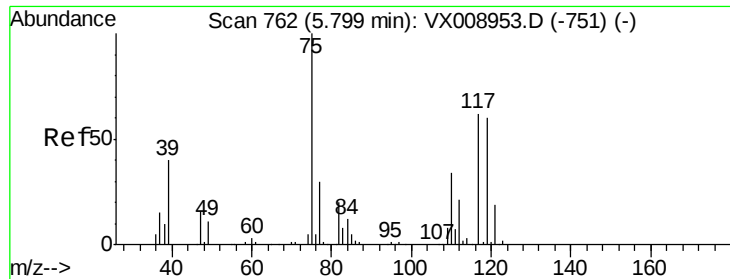


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

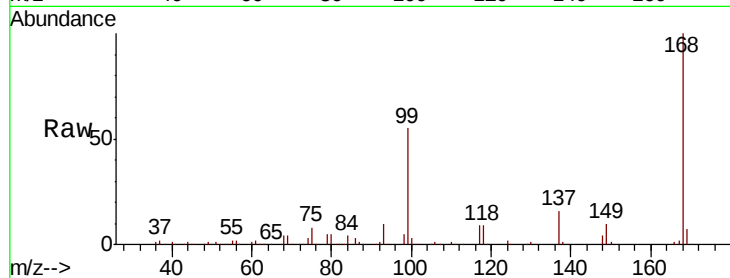




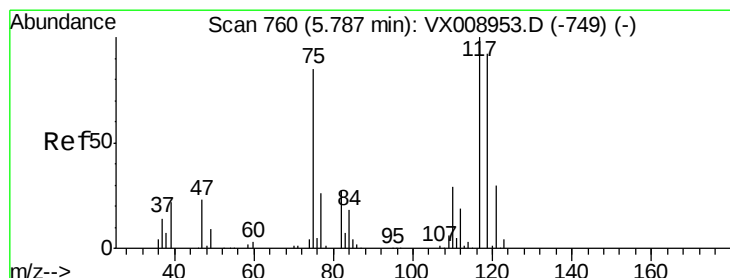
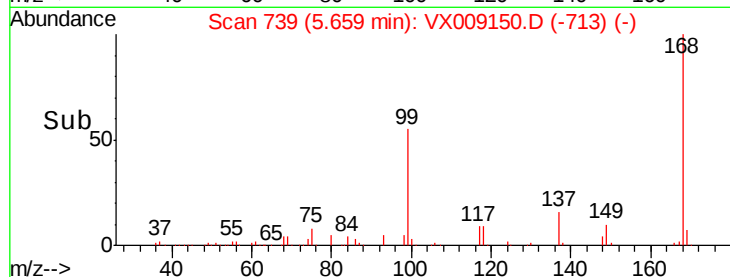
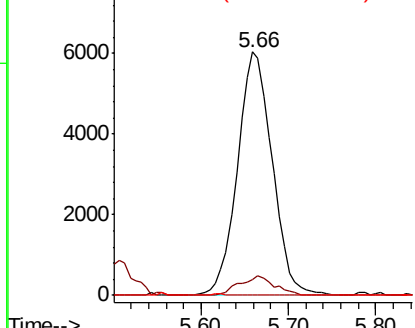
#36
 1,1-Dichloropropene
 Concen: 4.679 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX009150.D
 Acq: 24 Apr 2019 18:49

Instrument :
 MSVOA_X
 ClientSampled :
 HW-15

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.1	16.9	50.7#
77	0.0	25.0	37.4#

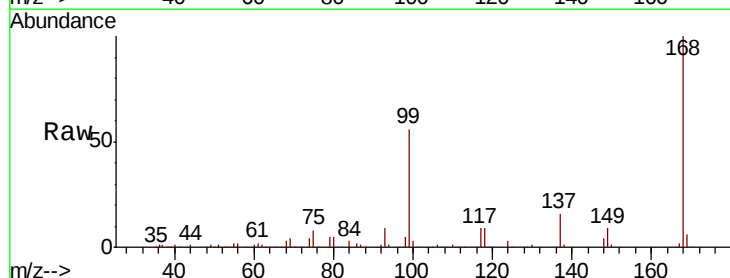


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

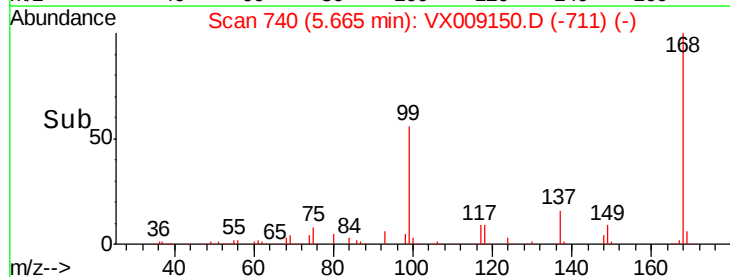
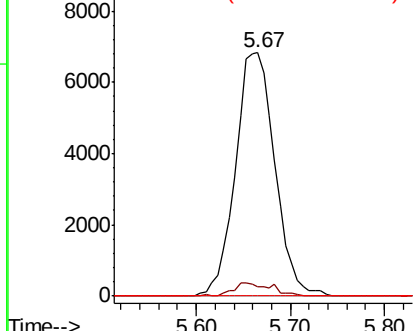


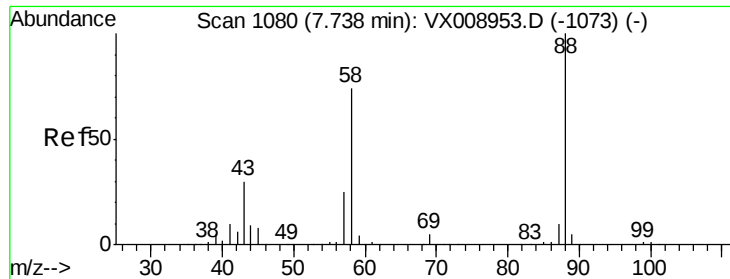
#38
 Carbon Tetrachloride
 Concen: 6.589 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.12 min
 Lab File: VX009150.D
 Acq: 24 Apr 2019 18:49

Tgt Ion	Ratio	Lower	Upper
117	100		
119	3.9	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

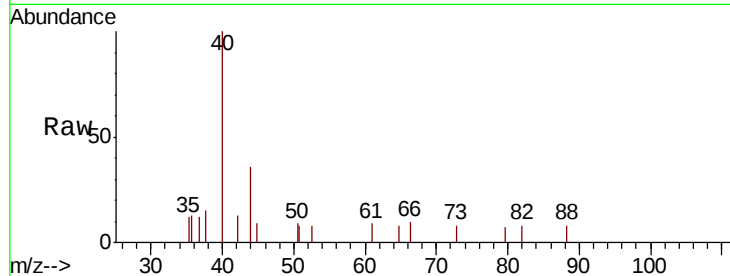




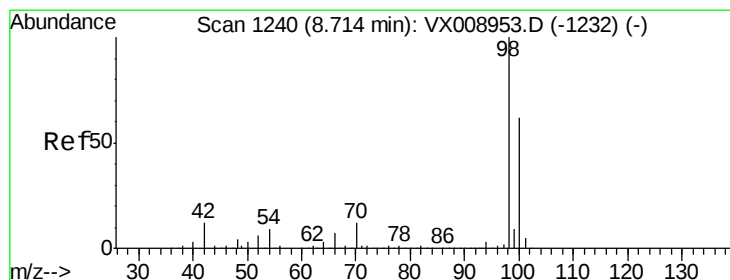
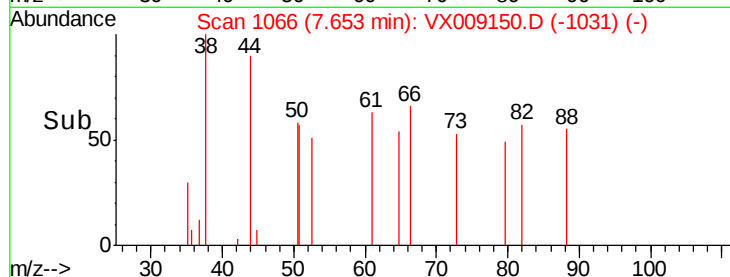
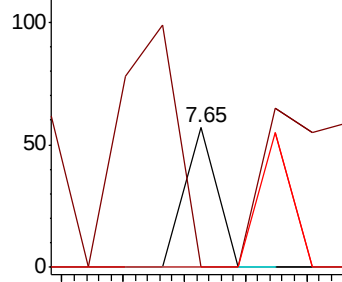
#49
1,4-Dioxane
Concen: 0.307 ug/l
RT: 7.65 min Scan# 1066
Delta R.T. -0.09 min
Lab File: VX009150.D
Acq: 24 Apr 2019 18:49

Instrument :
MSVOA_X
ClientSampleId :
HW-15

Tgt Ion: 88 Resp: 21
Ion Ratio Lower Upper
88 100
43 414.3 29.3 43.9#
58 0.0 62.6 93.8#

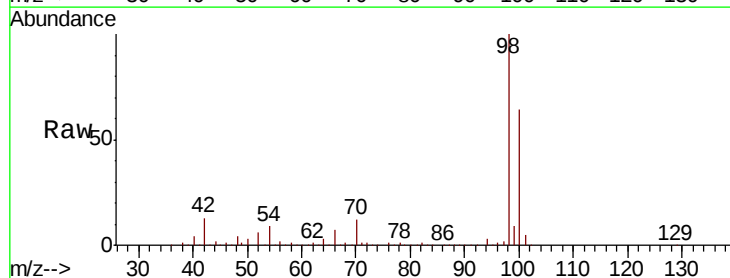


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

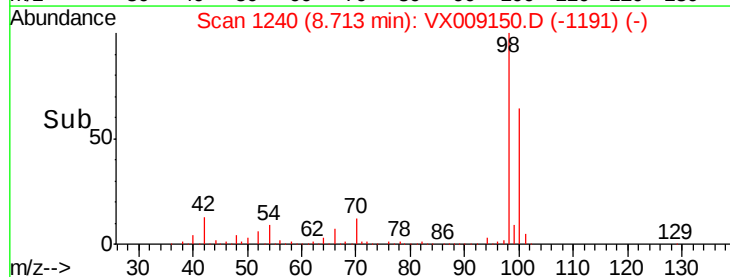
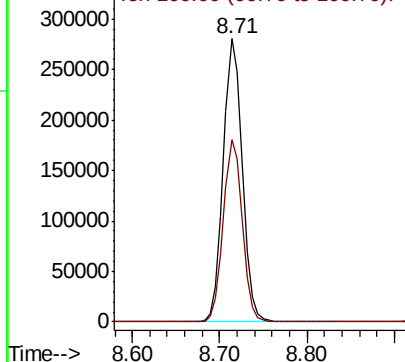


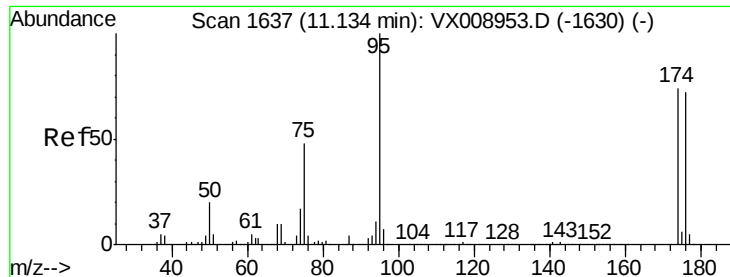
#50
Toluene-d8
Concen: 47.794 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX009150.D
Acq: 24 Apr 2019 18:49

Tgt Ion: 98 Resp: 421807
Ion Ratio Lower Upper
98 100
100 64.3 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): VX0

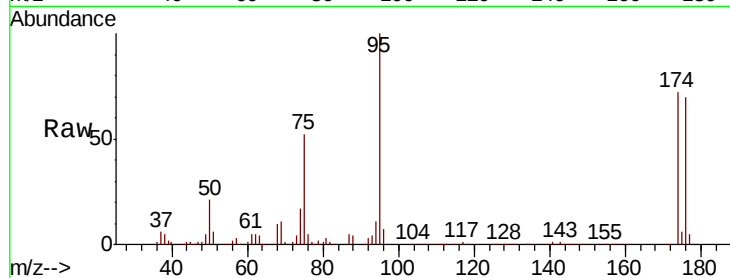




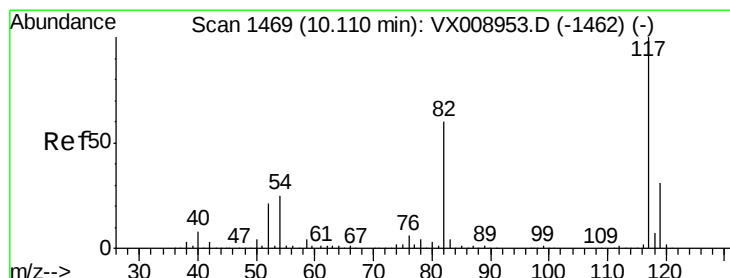
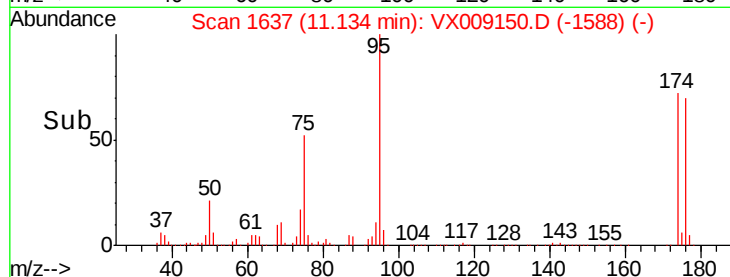
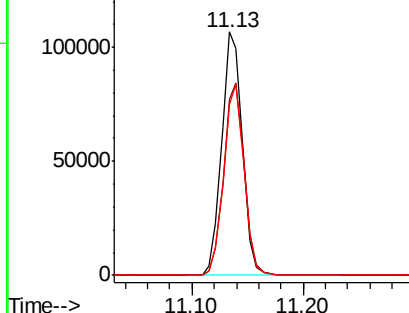
#62
4-Bromofluorobenzene
Concen: 43.898 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX009150.D
Acq: 24 Apr 2019 18:49

Instrument :
MSVOA_X
ClientSampleId :
HW-15

Tgt Ion: 95 Resp: 136761
Ion Ratio Lower Upper
95 100
174 78.8 0.0 159.6
176 77.1 0.0 154.8

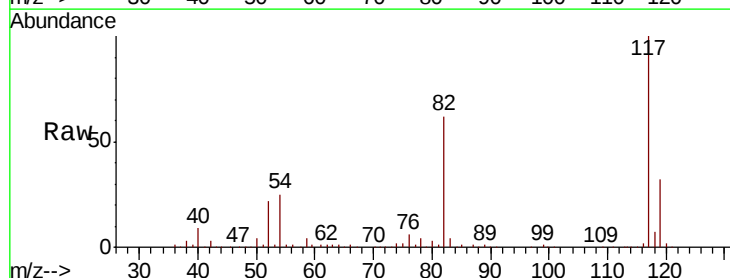


Abundance Ion 94.90 (94.60 to 95.60): VX0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

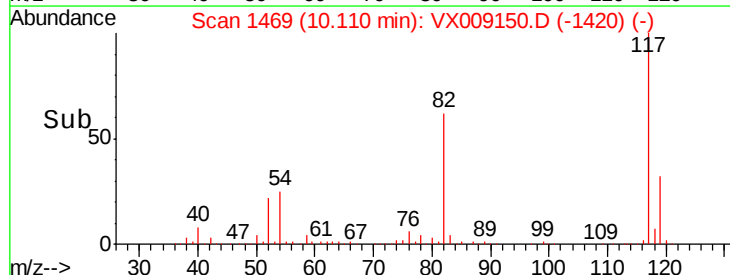
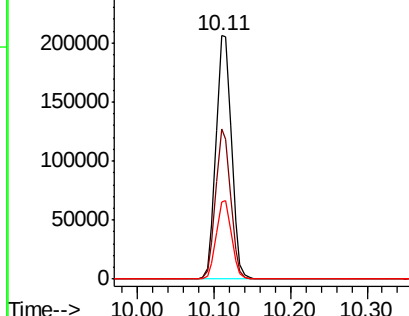


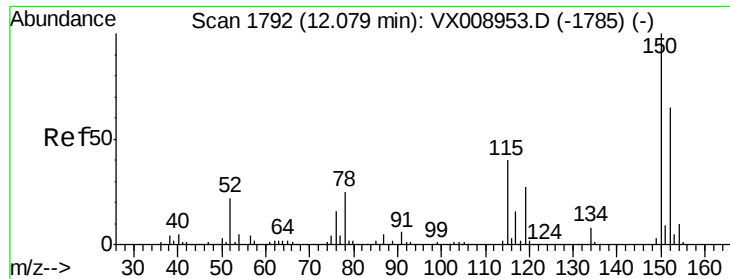
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX009150.D
Acq: 24 Apr 2019 18:49

Tgt Ion: 117 Resp: 291361
Ion Ratio Lower Upper
117 100
82 61.7 48.2 72.4
119 31.8 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: VX009150.D

Acq: 24 Apr 2019 18:49

Instrument :

MSVOA_X

ClientSampleId :

HW-15

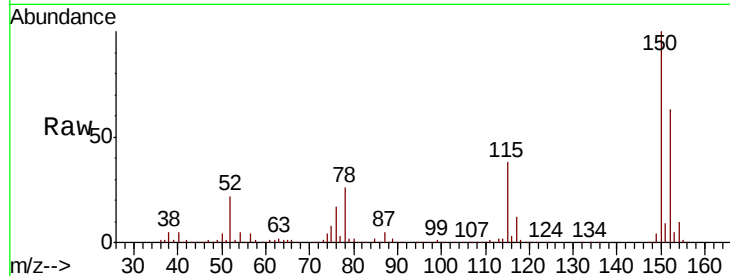
Tgt Ion:152 Resp: 119257

Ion Ratio Lower Upper

152 100

115 59.4 41.4 124.2

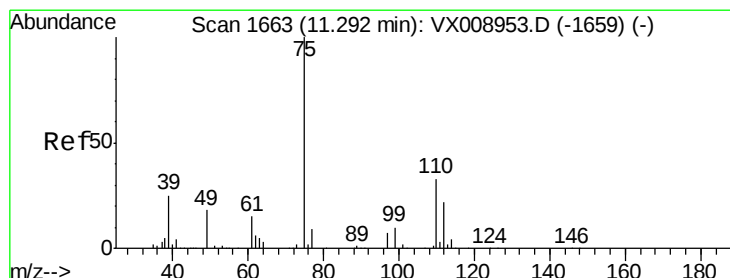
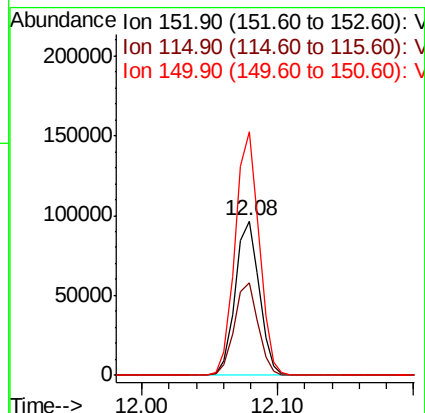
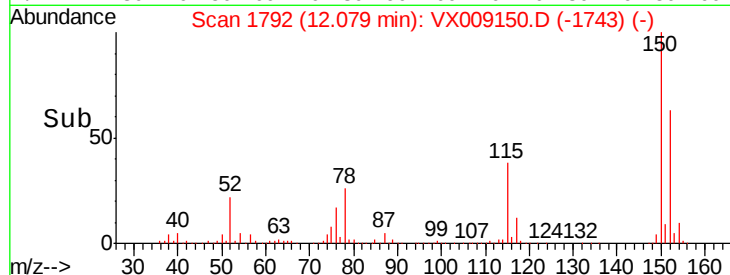
150 156.9 0.0 349.8



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: 23.780 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009150.D

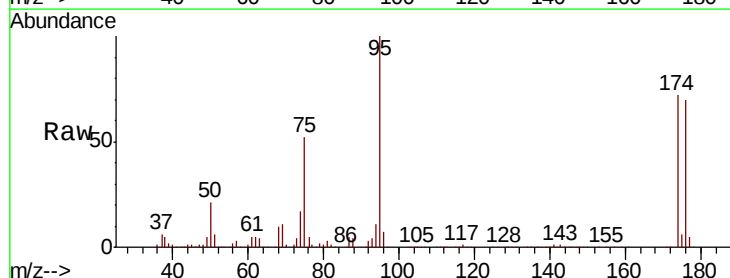
Acq: 24 Apr 2019 18:49

Tgt Ion: 75 Resp: 69248

Ion Ratio Lower Upper

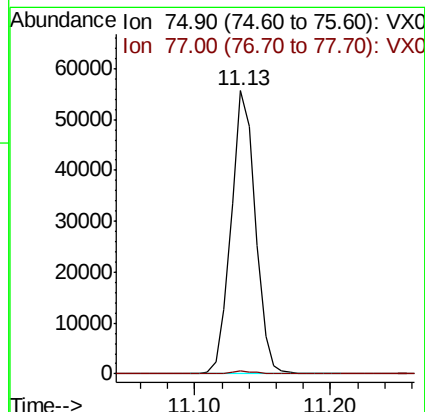
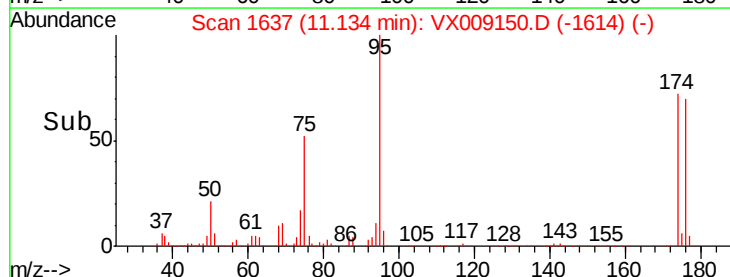
75 100

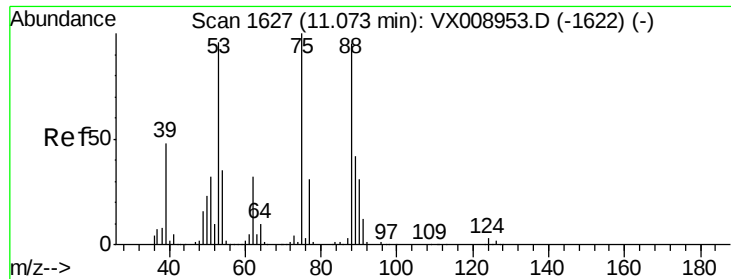
77 1.3 22.7 68.0#



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: 61.050 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009150.D

Acq: 24 Apr 2019 18:49

Instrument :

MSVOA_X

ClientSampleId :

HW-15

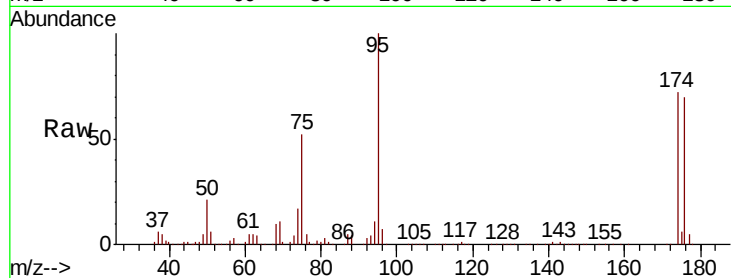
Tgt Ion: 75 Resp: 69248

Ion Ratio Lower Upper

75 100

53 0.2 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

