

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX042419\
 Data File : VX009151.D
 Acq On : 24 Apr 2019 19:12
 Operator : JC/SP
 Sample : K2555-07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 HW-12

Quant Time: Apr 25 05:23:45 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	223171	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	361482	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	307851	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	130233	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	149811	47.63	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.26%	
35) Dibromofluoromethane	5.50	113	109486	47.19	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.38%	
50) Toluene-d8	8.71	98	449966	48.63	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.26%	
62) 4-Bromofluorobenzene	11.13	95	146245	44.78	ug/l	0.00
Spiked Amount 50.000			Recovery	=	89.56%	

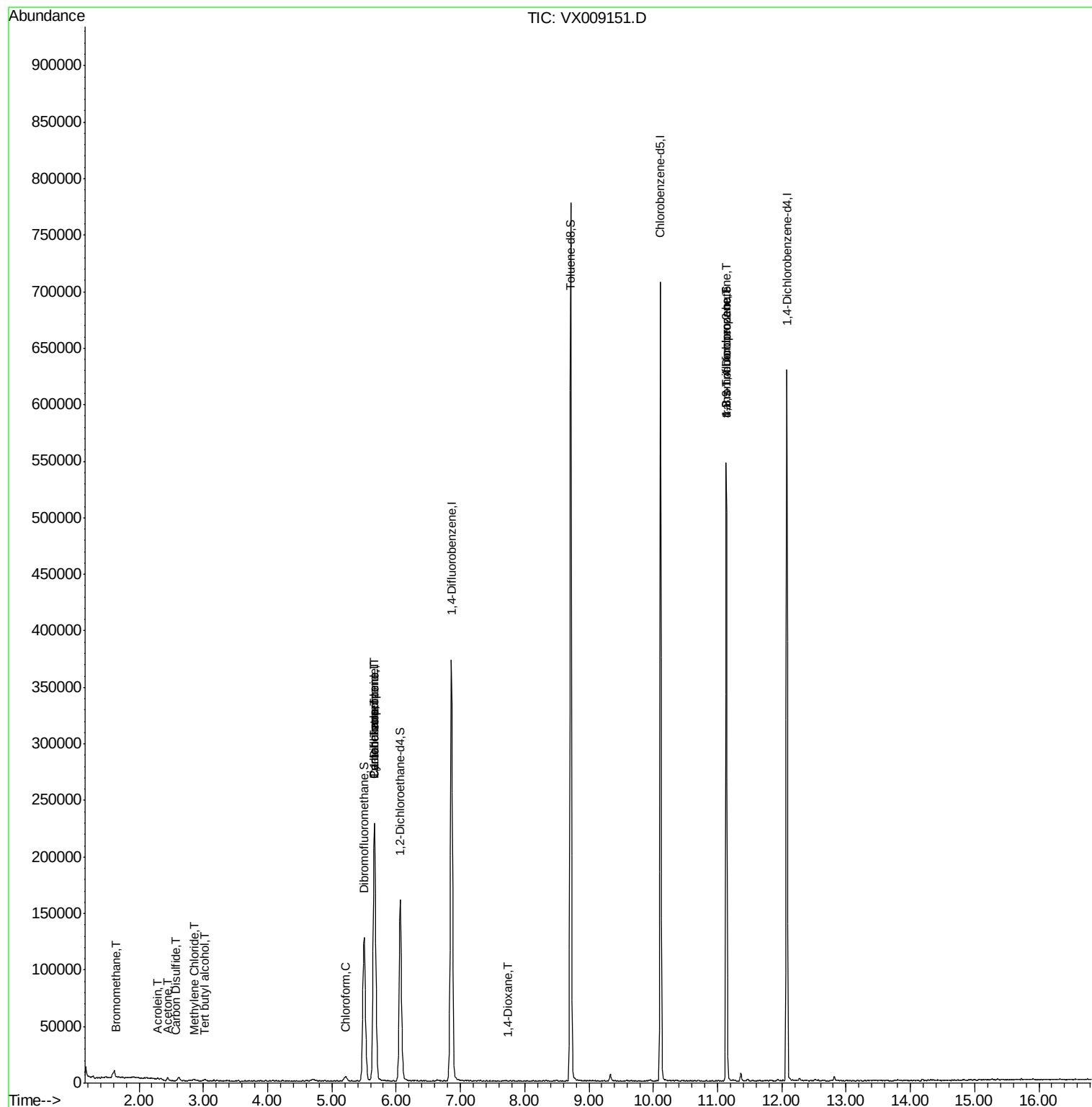
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	260	3.973	ug/l #	66
11) Tert butyl alcohol	3.02	59	1057	1.514	ug/l #	72
13) Acrolein	2.28	56	151	0.250	ug/l	100
16) Acetone	2.45	43	3098	1.899	ug/l	90
17) Carbon Disulfide	2.58	76	608	1.337	ug/l #	75
20) Methylene Chloride	2.86	84	627	0.225	ug/l #	73
28) Bromochloromethane	4.99	49	71	Below Cal	#	21
30) Chloroform	5.21	83	4500	0.987	ug/l	92
31) Cyclohexane	5.66	56	5362	1.070	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	17790	4.759	ug/l #	50
38) Carbon Tetrachloride	5.67	117	21505	6.785	ug/l #	17
49) 1,4-Dioxane	7.73	88	19	0.265	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	73685	23.171	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	73685	59.487	ug/l #	11

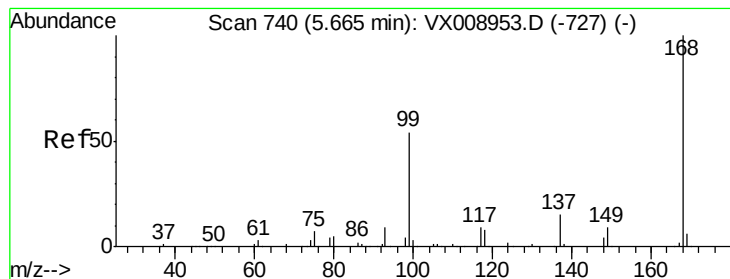
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX009151.D

Acq: 24 Apr 2019 19:12

Instrument :

MSVOA_X

ClientSampleId :

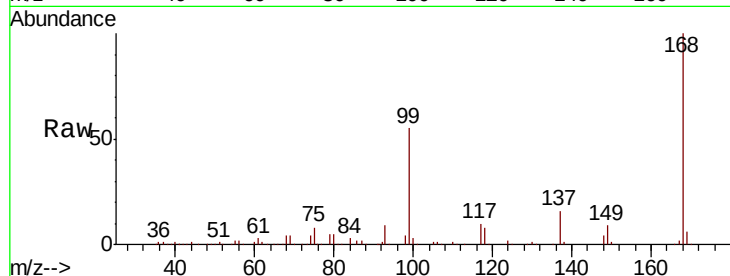
HW-12

Tgt Ion:168 Resp: 223171

Ion Ratio Lower Upper

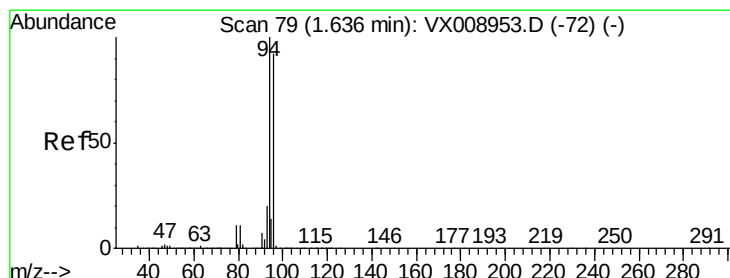
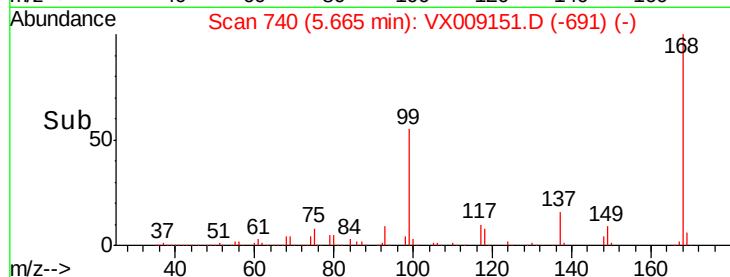
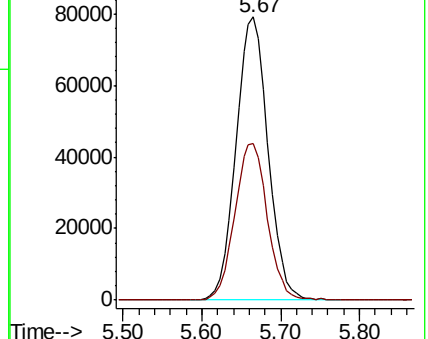
168 100

99 55.2 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: 3.973 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX009151.D

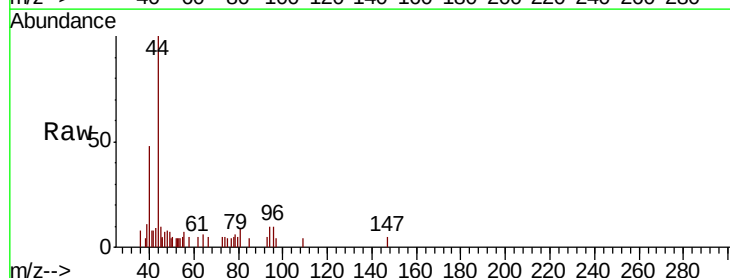
Acq: 24 Apr 2019 19:12

Tgt Ion: 94 Resp: 260

Ion Ratio Lower Upper

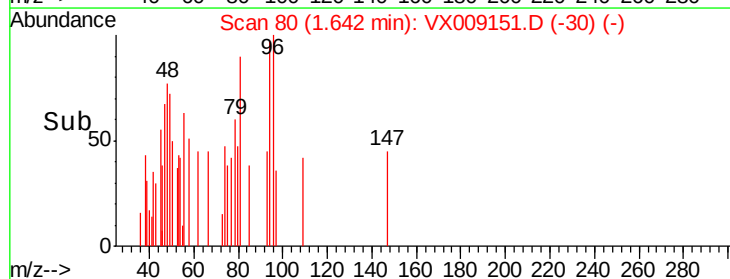
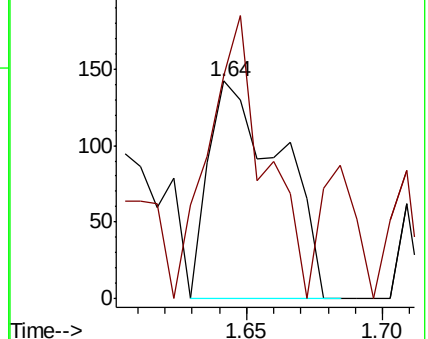
94 100

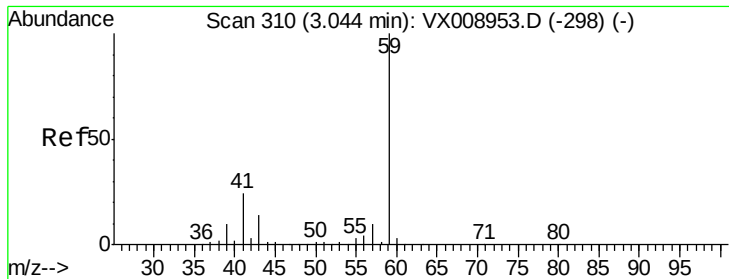
96 59.9 73.9 110.9#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



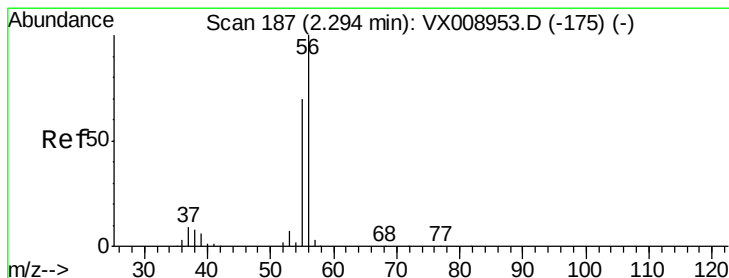
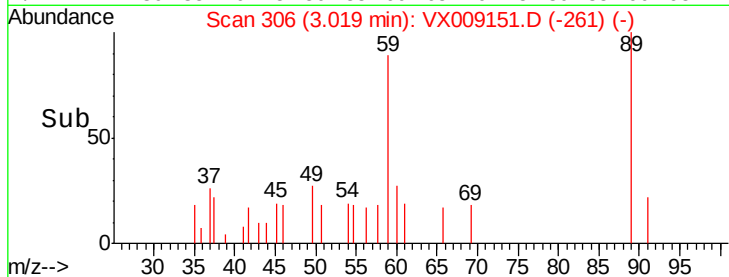
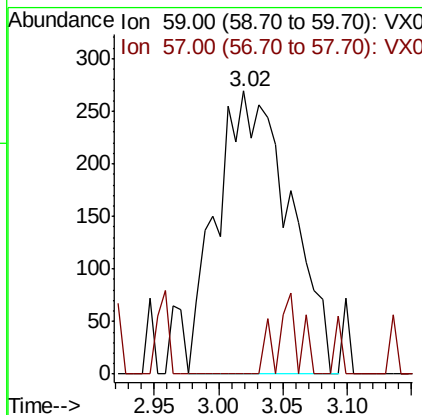
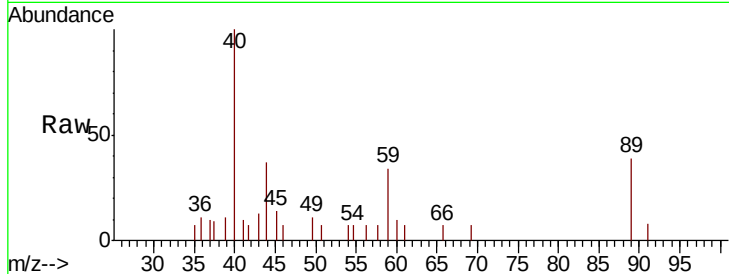


#11

Tert butyl alcohol
 Concen: 1.514 ug/l
 RT: 3.02 min Scan# 306
 Delta R.T. -0.02 min
 Lab File: VX009151.D
 Acq: 24 Apr 2019 19:12

Instrument :
 MSVOA_X
 ClientSampled :
 HW-12

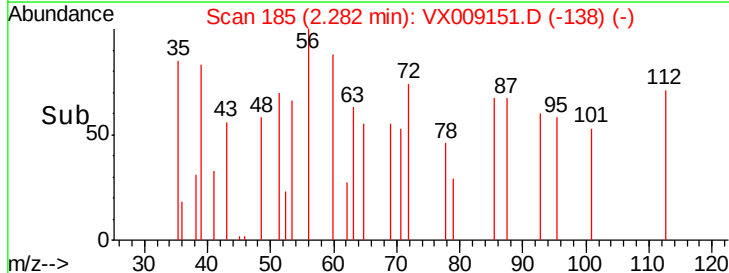
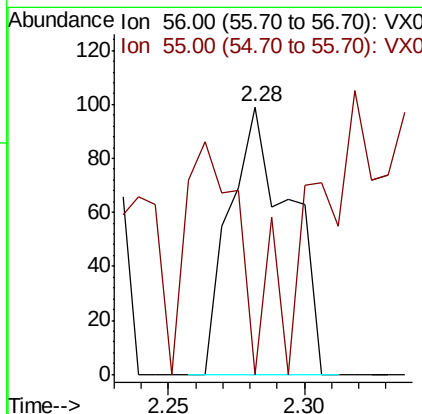
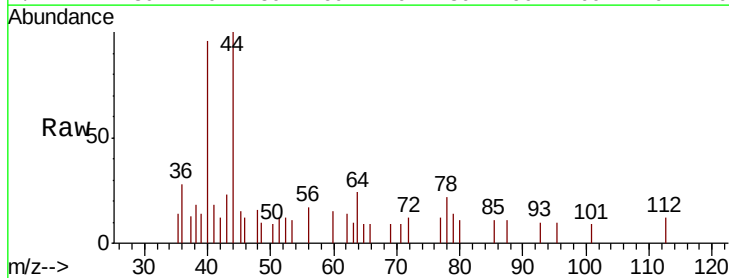
Tgt Ion: 59 Resp: 1057
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.4 12.6#

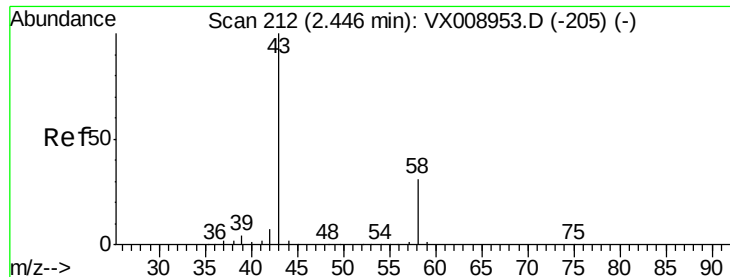


#13

Acrolein
 Concen: 0.250 ug/l
 RT: 2.28 min Scan# 185
 Delta R.T. -0.01 min
 Lab File: VX009151.D
 Acq: 24 Apr 2019 19:12

Tgt Ion: 56 Resp: 151
 Ion Ratio Lower Upper
 56 100
 55 70.9 56.6 84.8





#16

Acetone

Concen: 1.899 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX009151.D

Acq: 24 Apr 2019 19:12

Instrument :

MSVOA_X

ClientSampleId :

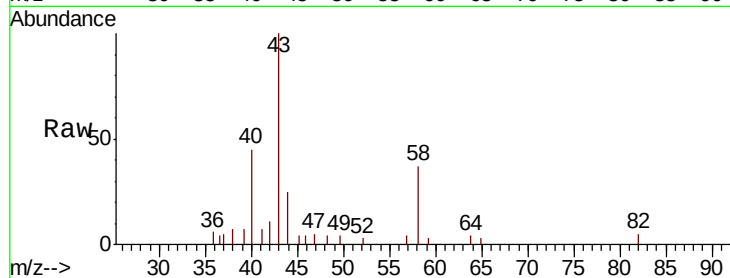
HW-12

Tgt Ion: 43 Resp: 3098

Ion Ratio Lower Upper

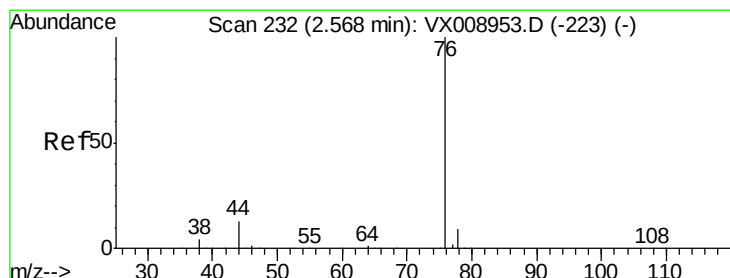
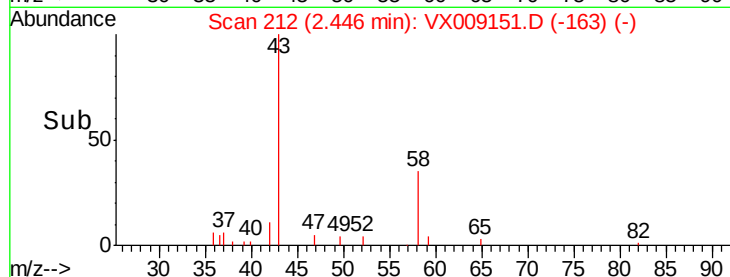
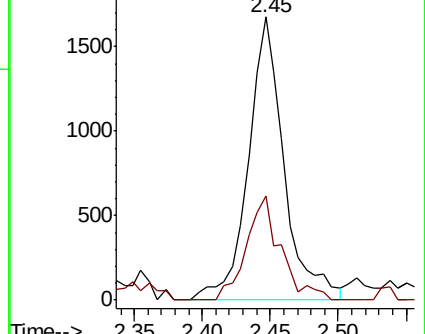
43 100

58 36.6 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: 1.337 ug/l

RT: 2.58 min Scan# 234

Delta R.T. 0.01 min

Lab File: VX009151.D

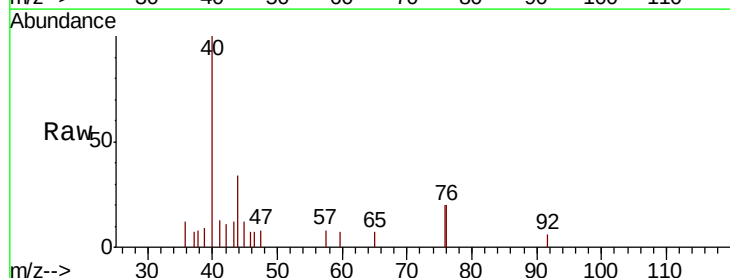
Acq: 24 Apr 2019 19:12

Tgt Ion: 76 Resp: 608

Ion Ratio Lower Upper

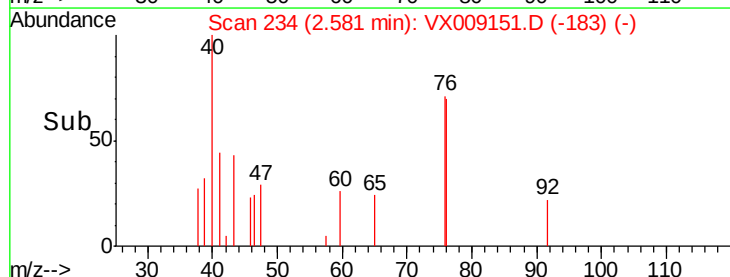
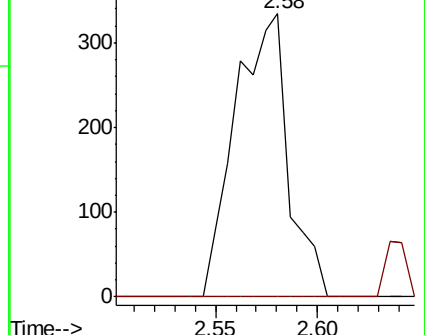
76 100

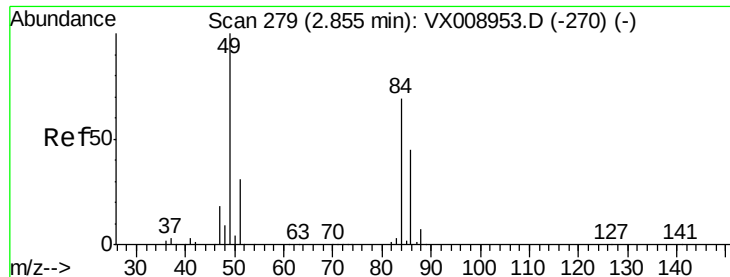
78 0.0 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

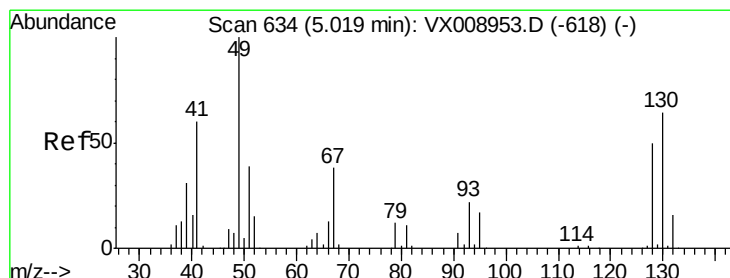
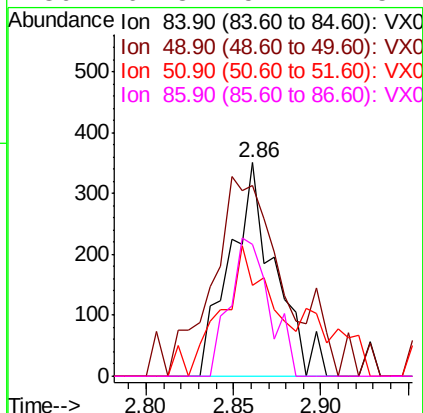
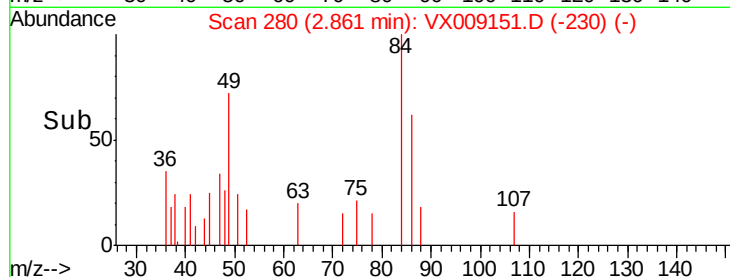
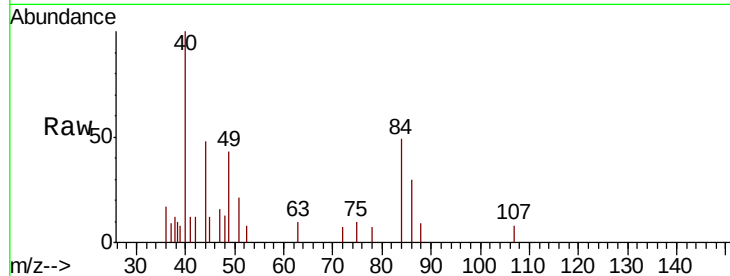




#20
Methylene Chloride
Concen: 0.225 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX009151.D
Acq: 24 Apr 2019 19:12

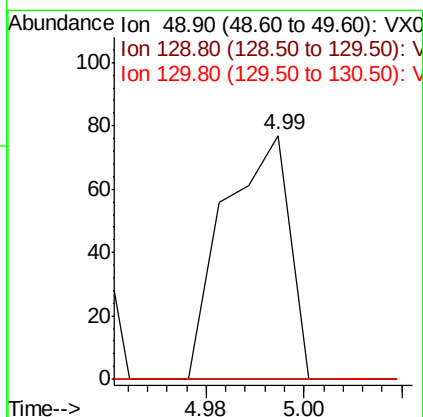
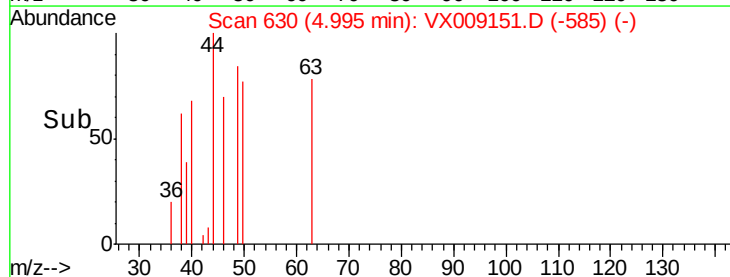
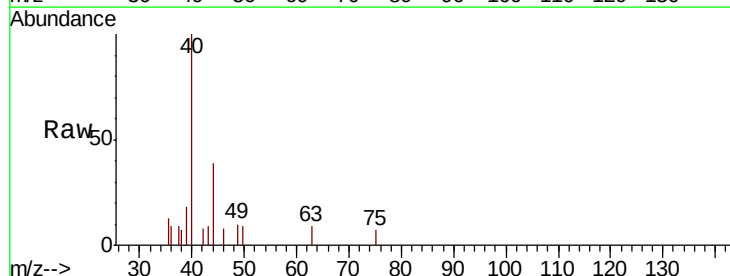
Instrument :
MSVOA_X
ClientSampled :
HW-12

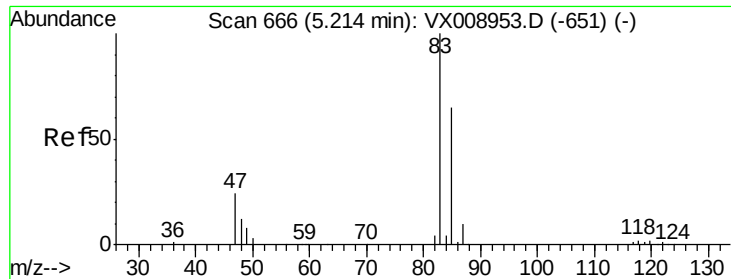
Tgt Ion: 84 Resp: 627
Ion Ratio Lower Upper
84 100
49 89.2 115.4 173.0#
51 42.5 35.8 53.6
86 61.8 52.1 78.1



#28
Bromochloromethane
Concen: Below Cal
RT: 4.99 min Scan# 630
Delta R.T. -0.02 min
Lab File: VX009151.D
Acq: 24 Apr 2019 19:12

Tgt Ion: 49 Resp: 71
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.6
130 0.0 50.4 75.6#

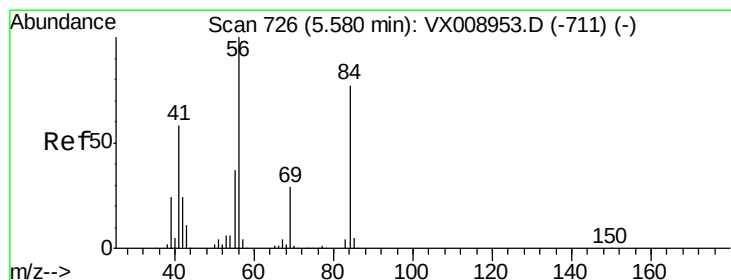
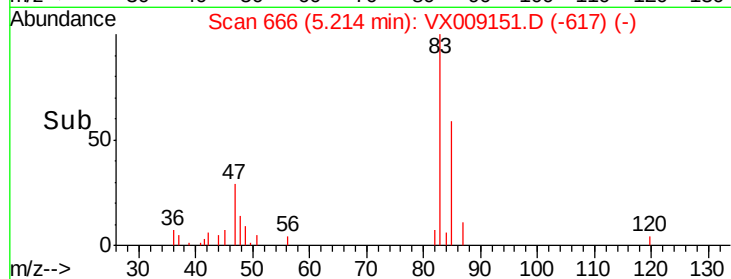
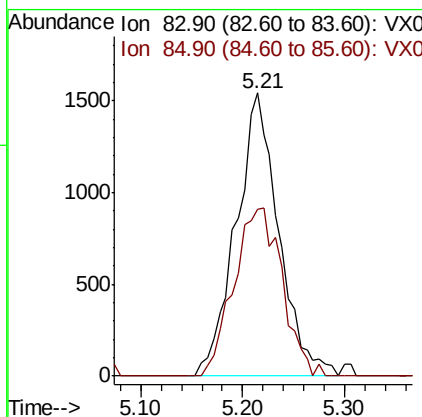
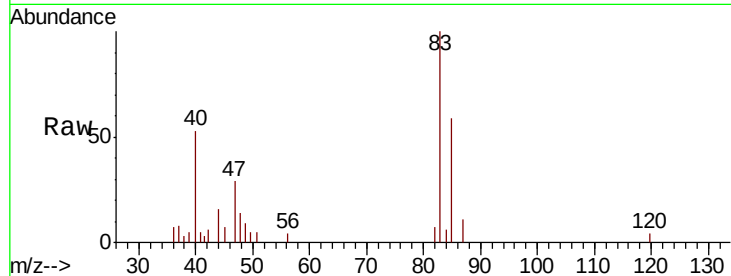




#30
Chloroform
Concen: 0.987 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.00 min
Lab File: VX009151.D
Acq: 24 Apr 2019 19:12

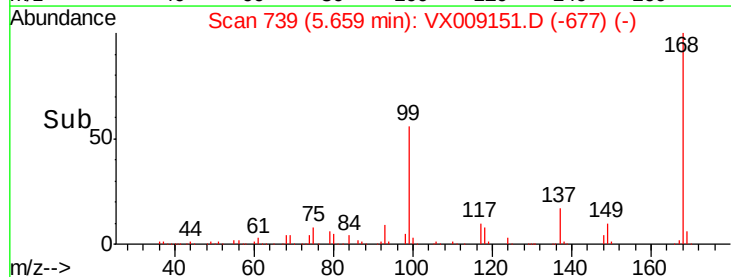
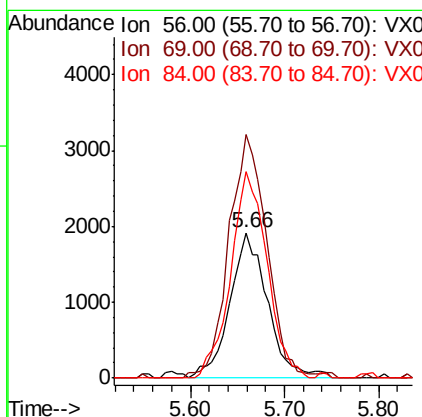
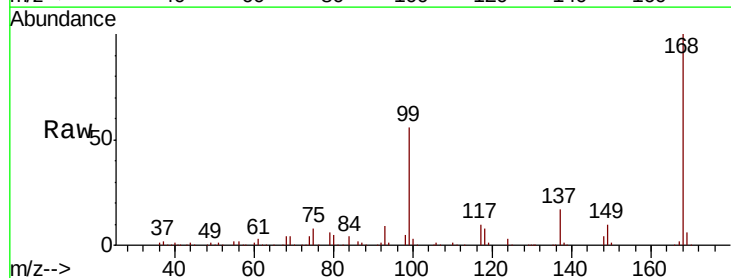
Instrument :
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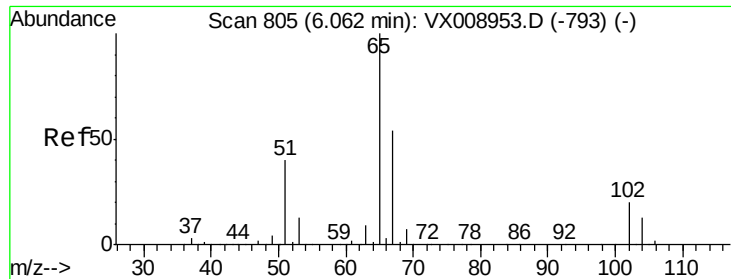
Tgt Ion: 83 Resp: 4500
Ion Ratio Lower Upper
83 100
85 58.9 51.9 77.9



#31
Cyclohexane
Concen: 1.070 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.08 min
Lab File: VX009151.D
Acq: 24 Apr 2019 19:12

Tgt Ion: 56 Resp: 5362
Ion Ratio Lower Upper
56 100
69 167.7 23.3 34.9#
84 142.6 61.7 92.5#

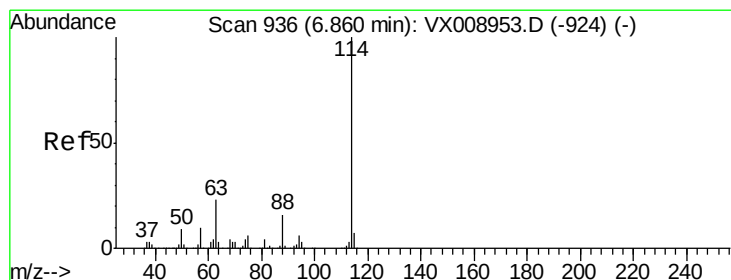
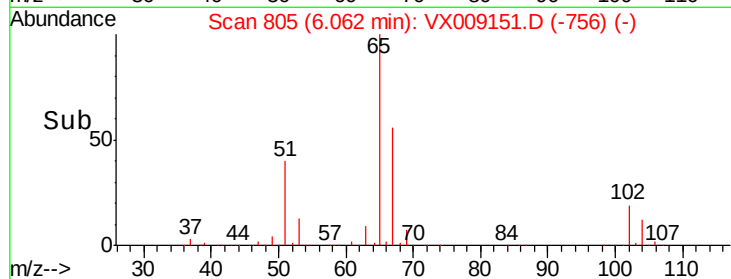
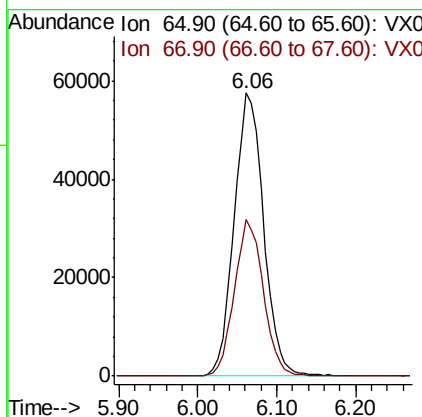
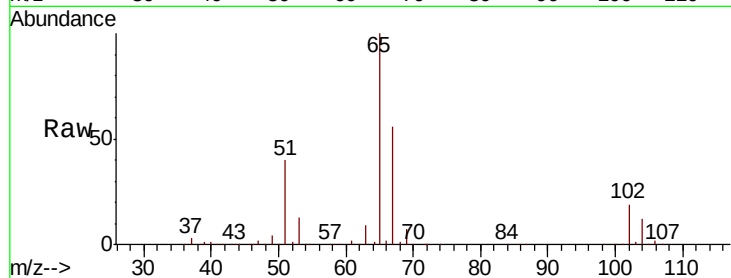




#33
 1,2-Dichloroethane-d4
 Concen: 47.633 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX009151.D
 Acq: 24 Apr 2019 19:12

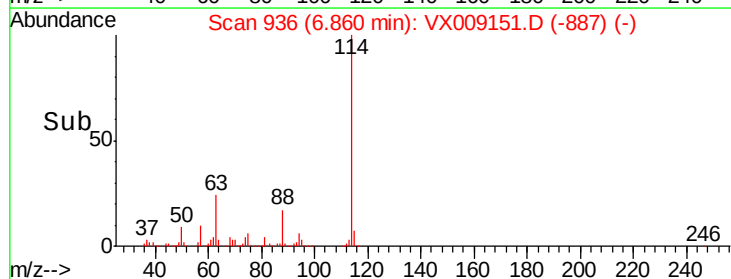
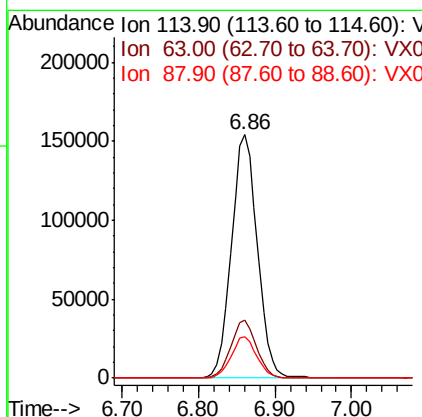
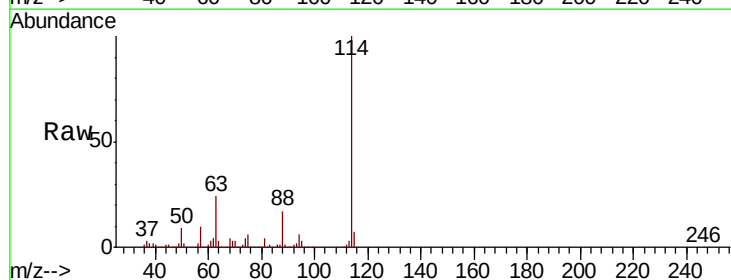
Instrument :
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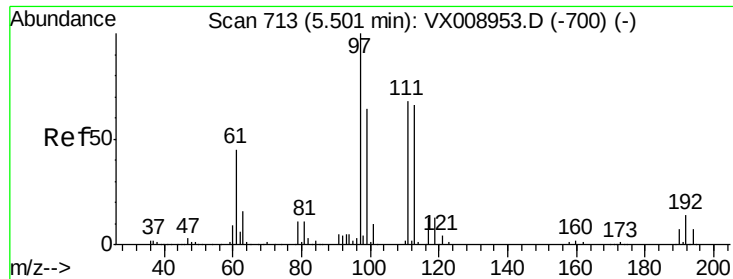
Tgt Ion: 65 Resp: 149811
 Ion Ratio Lower Upper
 65 100
 67 54.5 0.0 108.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX009151.D
 Acq: 24 Apr 2019 19:12

Tgt Ion: 114 Resp: 361482
 Ion Ratio Lower Upper
 114 100
 63 23.7 0.0 46.0
 88 16.8 0.0 32.6

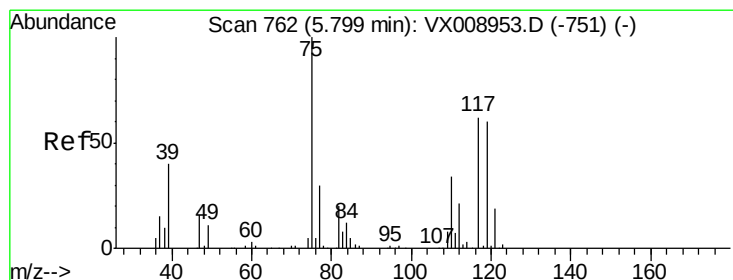
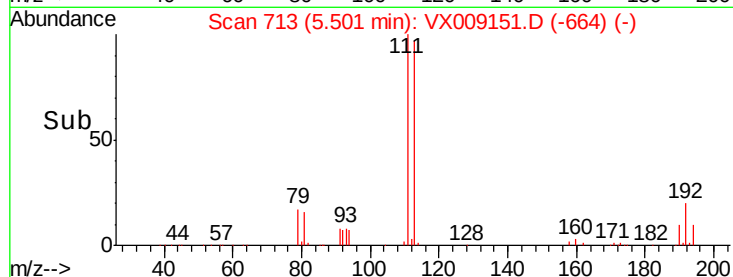
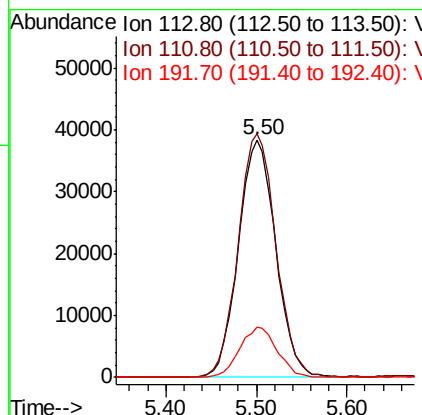
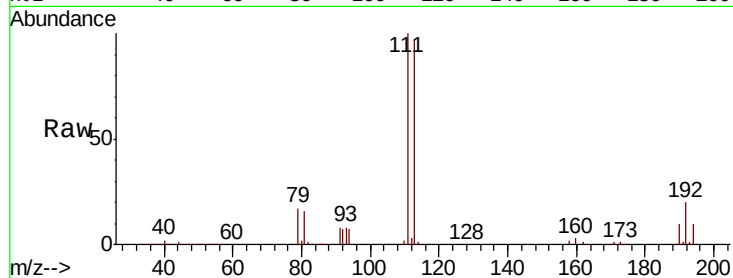




#35
 Dibromofluoromethane
 Concen: 47.194 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX009151.D
 Acq: 24 Apr 2019 19:12

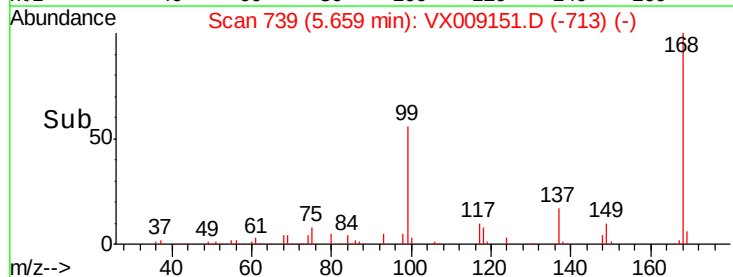
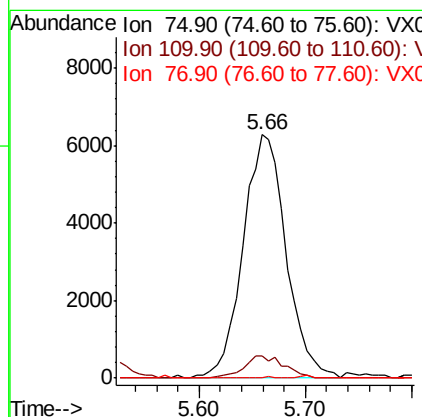
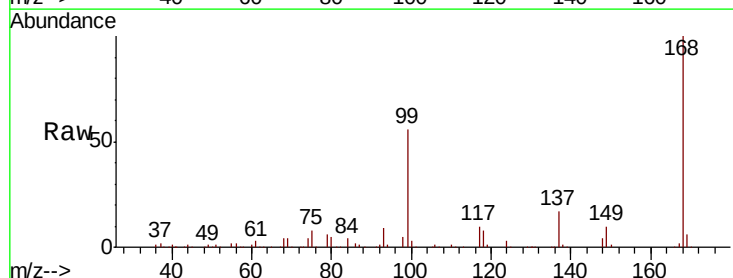
Instrument :
 MSVOA_X
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 HW-12

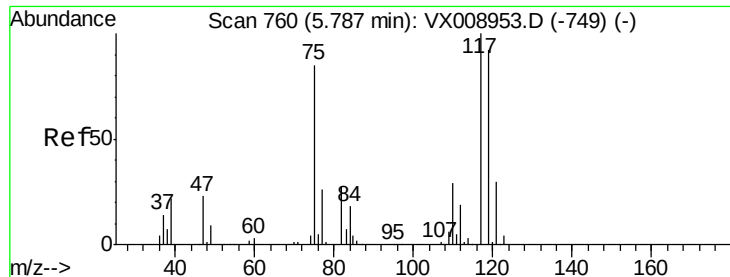
Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.7	82.9	124.3
192	21.2	17.4	26.0



#36
 1,1-Dichloropropene
 Concen: 4.759 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX009151.D
 Acq: 24 Apr 2019 19:12

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.5	16.9	50.7#
77	0.1	25.0	37.4#





#38

Carbon Tetrachloride

Concen: 6.785 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX009151.D

Acq: 24 Apr 2019 19:12

Instrument :

MSVOA_X

ClientSampled :

HW-12

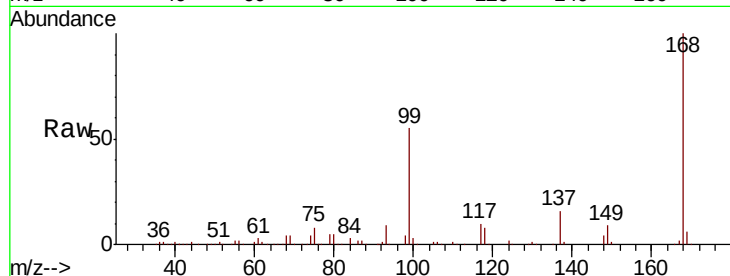
Tgt Ion:117 Resp: 21505

Ion Ratio Lower Upper

117 100

119 4.7 73.8 110.8#

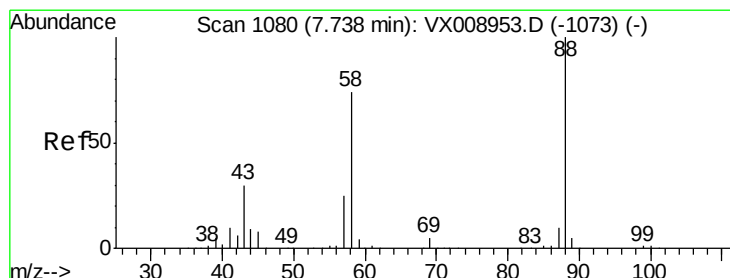
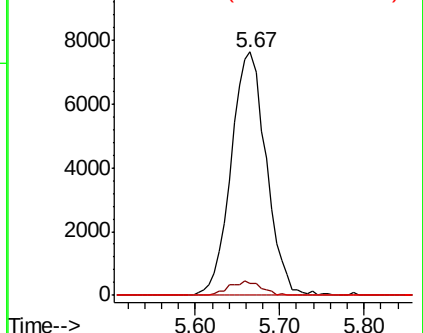
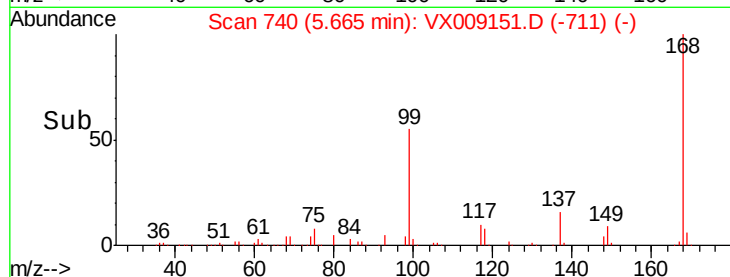
121 0.0 23.6 35.4#



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: 0.265 ug/l

RT: 7.73 min Scan# 1079

Delta R.T. -0.01 min

Lab File: VX009151.D

Acq: 24 Apr 2019 19:12

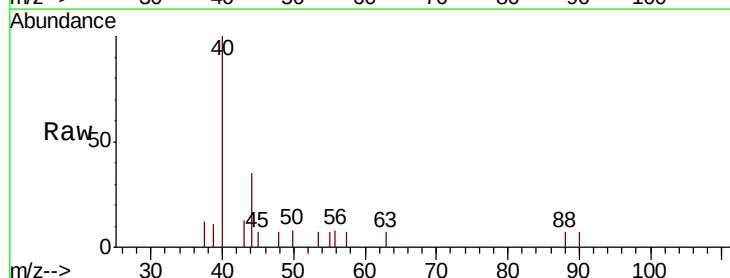
Tgt Ion: 88 Resp: 19

Ion Ratio Lower Upper

88 100

43 1031.6 29.3 43.9#

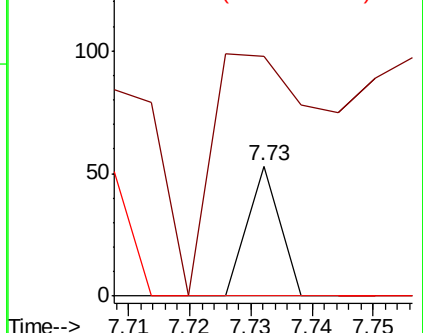
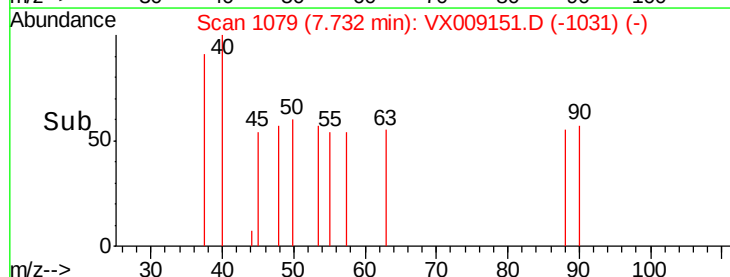
58 0.0 62.6 93.8#

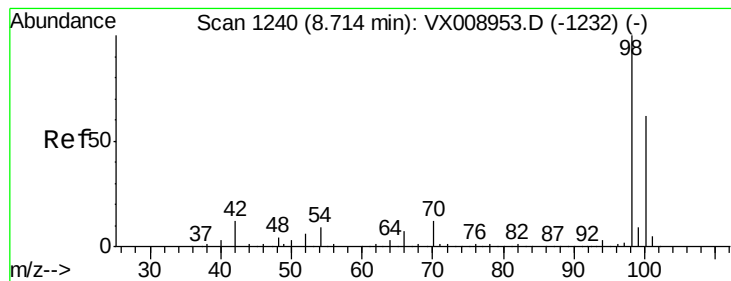


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 48.635 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX009151.D

Acq: 24 Apr 2019 19:12

Instrument :

MSVOA_X

ClientSampleId :

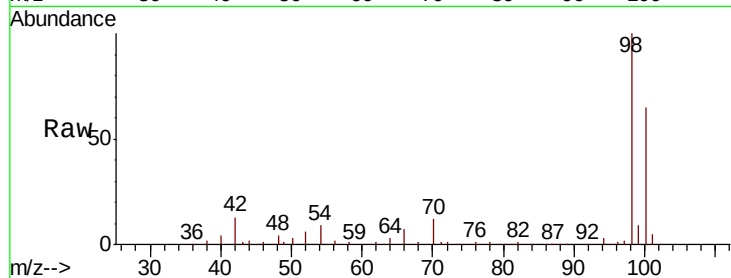
HW-12

Tgt Ion: 98 Resp: 449966

Ion Ratio Lower Upper

98 100

100 64.5 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): VX008953.D (-1232) (-)

Ion 100.00 (99.70 to 100.70): VX008953.D (-1232) (-)

8.71

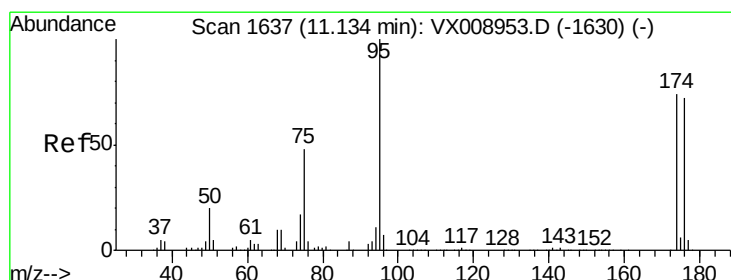
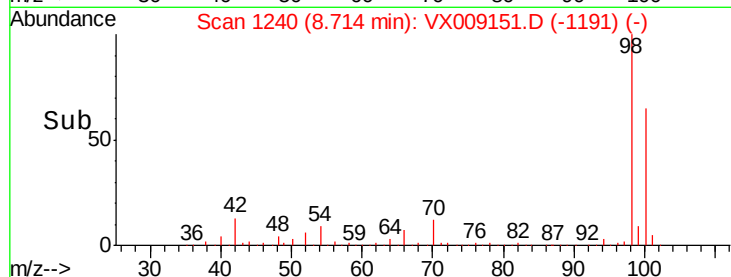
300000

200000

100000

0

Time--> 8.60 8.70 8.80



#62

4-Bromofluorobenzene

Concen: 44.779 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009151.D

Acq: 24 Apr 2019 19:12

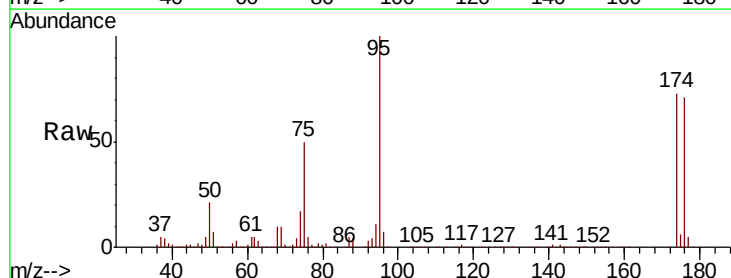
Tgt Ion: 95 Resp: 146245

Ion Ratio Lower Upper

95 100

174 79.3 0.0 159.6

176 77.5 0.0 154.8



Abundance Ion 94.90 (94.60 to 95.60): VX008953.D (-1630) (-)

Ion 173.80 (173.50 to 174.50): VX008953.D (-1630) (-)

Ion 175.80 (175.50 to 176.50): VX008953.D (-1630) (-)

11.13

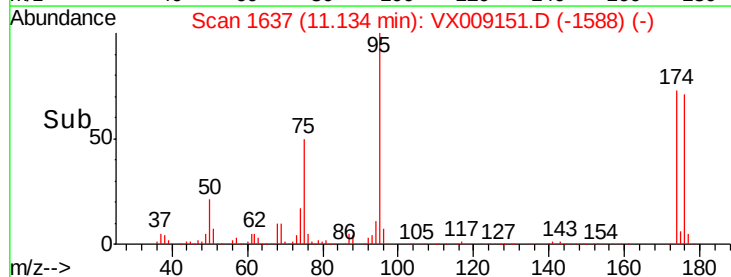
150000

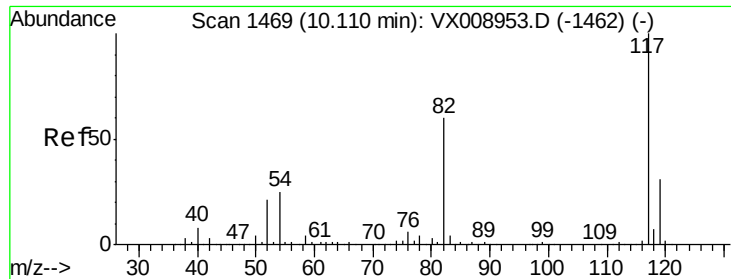
100000

50000

0

Time--> 11.10 11.20

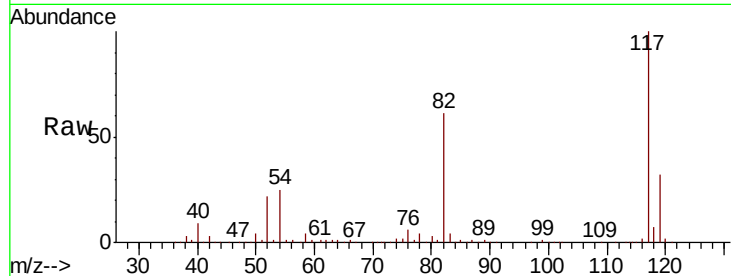




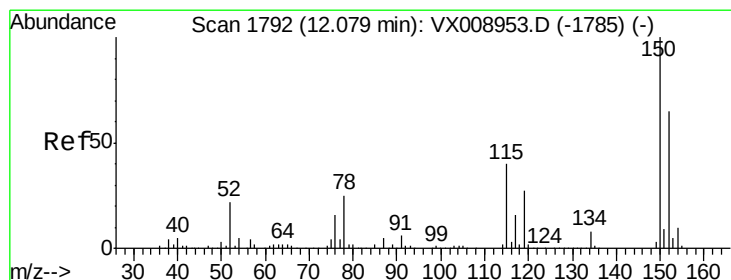
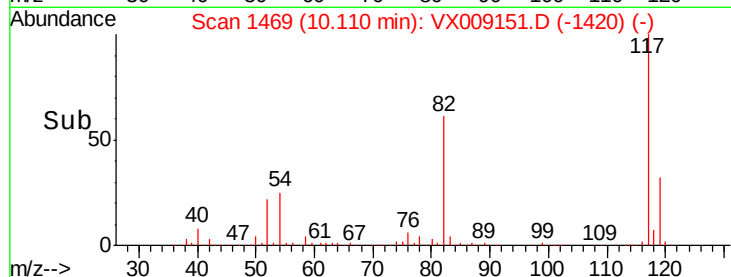
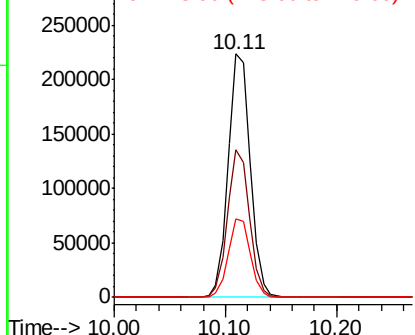
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX009151.D
Acq: 24 Apr 2019 19:12

Instrument :
MSVOA_X
ClientSampleId :
HW-12

Tgt Ion:117 Resp: 307851
Ion Ratio Lower Upper
117 100
82 60.6 48.2 72.4
119 32.1 25.0 37.6

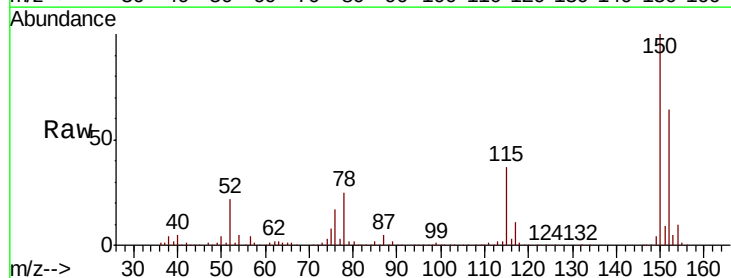


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

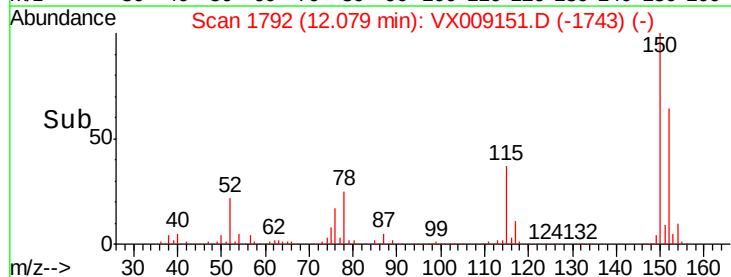
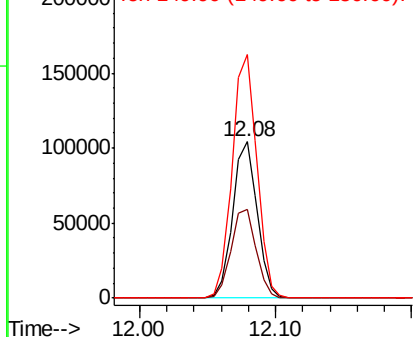


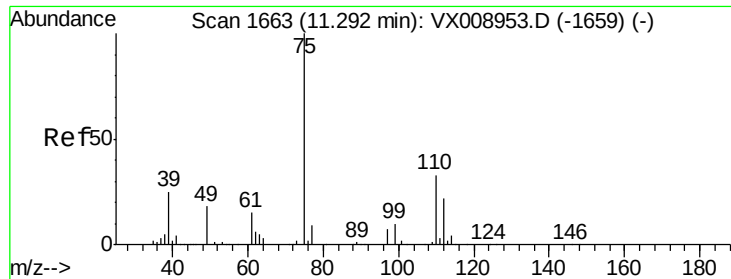
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX009151.D
Acq: 24 Apr 2019 19:12

Tgt Ion:152 Resp: 130233
Ion Ratio Lower Upper
152 100
115 58.7 41.4 124.2
150 157.4 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

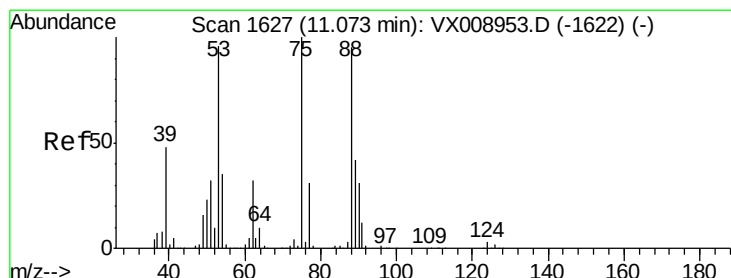
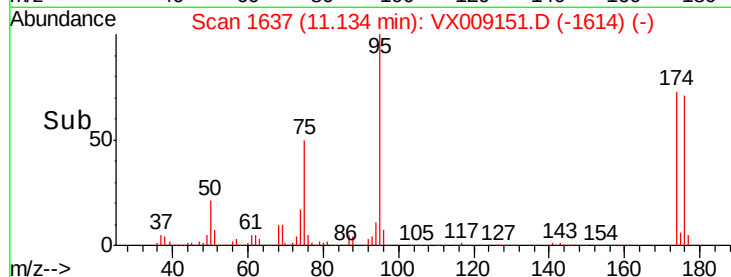
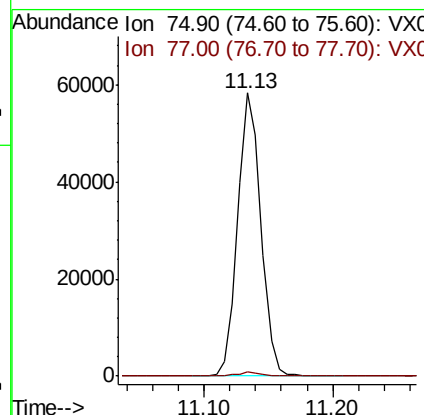
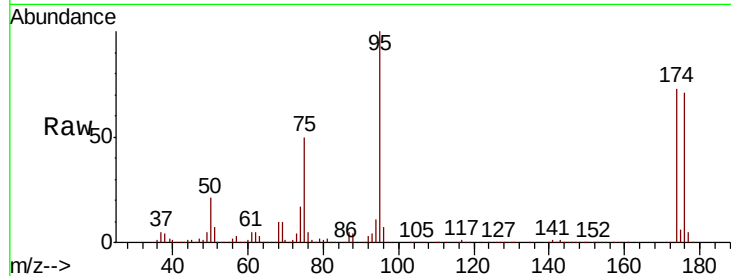




#76
 1,2,3-Trichloropropane
 Concen: 23.171 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX009151.D
 Acq: 24 Apr 2019 19:12

Instrument :
 MSVOA_X
 ClientSampleId :
 HW-12

Tgt Ion: 75 Resp: 73685
 Ion Ratio Lower Upper
 75 100
 77 1.6 22.7 68.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 59.487 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX009151.D
 Acq: 24 Apr 2019 19:12

Tgt Ion: 75 Resp: 73685
 Ion Ratio Lower Upper
 75 100
 53 0.2 78.2 117.4#
 89 0.0 36.0 54.0#

