

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX042519\
 Data File : VX009161.D
 Acq On : 25 Apr 2019 14:45
 Operator : JC/SP
 Sample : K2555-08
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Apr 26 04:31:19 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	5.66	168	219806	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	352065	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	305978	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	128705	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	144649	46.70	ug/l	0.00
Spiked Amount			Recovery	=	93.40%	
35) Dibromofluoromethane	5.50	113	105872	46.86	ug/l	0.00
Spiked Amount			Recovery	=	93.72%	
50) Toluene-d8	8.71	98	438143	48.62	ug/l	0.00
Spiked Amount			Recovery	=	97.24%	
62) 4-Bromofluorobenzene	11.13	95	146346	46.01	ug/l	0.00
Spiked Amount			Recovery	=	92.02%	

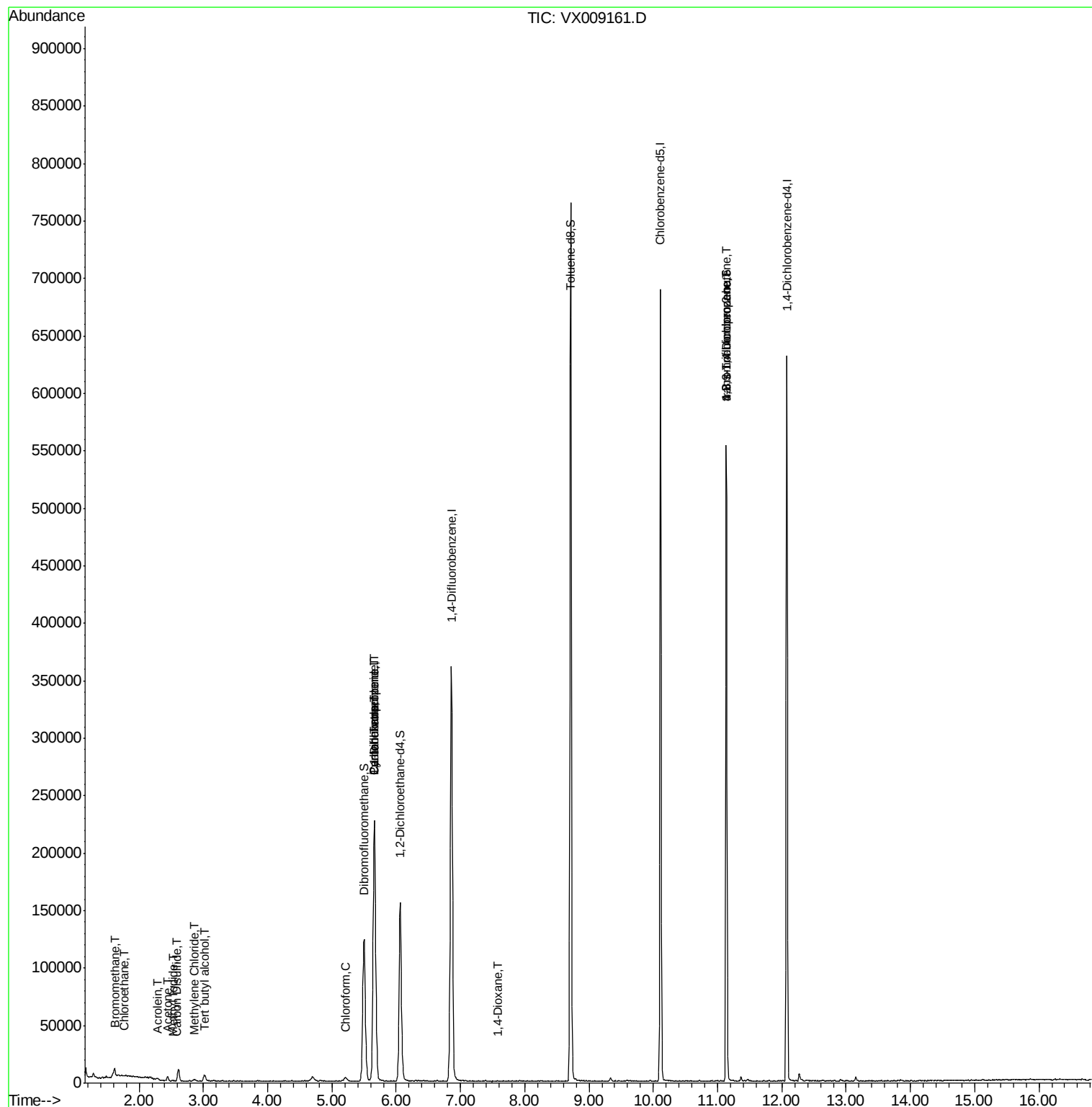
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	328	4.008	ug/l #	72
6) Chloroethane	1.76	64	501	0.282	ug/l #	57
10) Methyl Iodide	2.53	142	190	4.485	ug/l #	68
11) Tert butyl alcohol	3.01	59	3760	5.468	ug/l #	79
13) Acrolein	2.29	56	233	0.392	ug/l	86
16) Acetone	2.44	43	4340	2.702	ug/l	93
17) Carbon Disulfide	2.57	76	638	1.342	ug/l #	59
20) Methylene Chloride	2.86	84	804	0.293	ug/l	96
28) Bromochloromethane	5.03	49	117	Below Cal	#	41
30) Chloroform	5.21	83	3662	0.816	ug/l #	81
31) Cyclohexane	5.66	56	4926	0.998	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	17437	4.789	ug/l #	49
38) Carbon Tetrachloride	5.67	117	20442	6.622	ug/l #	16
49) 1,4-Dioxane	7.57	88	19	0.272	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	74919	23.839	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	74919	61.201	ug/l #	11

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

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX009161.D

Acq: 25 Apr 2019 14:45

Instrument :

MSVOA_X

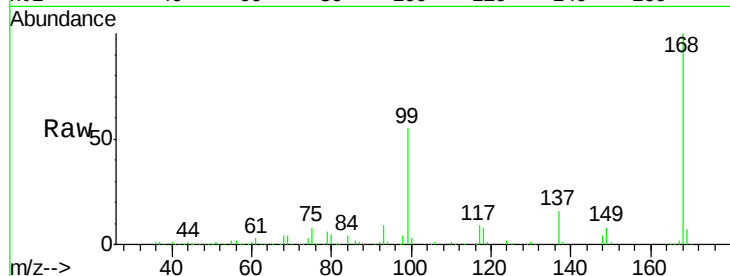
ClientSampled :

Tot Ion:168 Resp: 219806

Ion Ratio Lower Upper

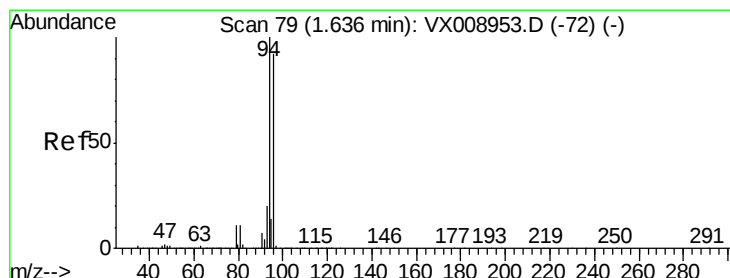
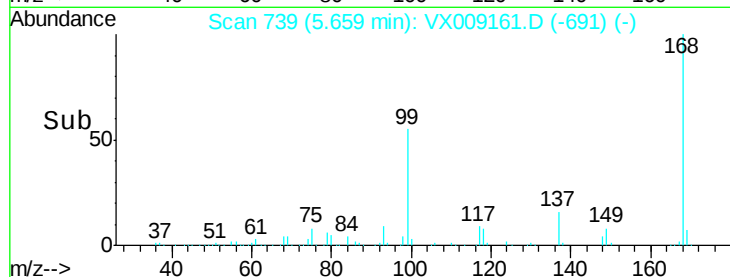
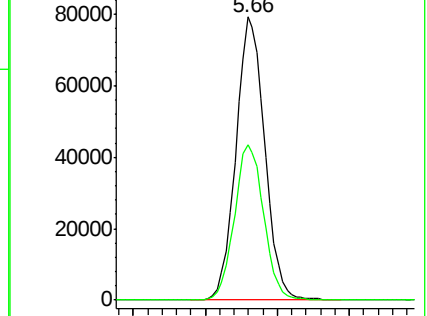
168 100

99 55.0 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: 4.008 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX009161.D

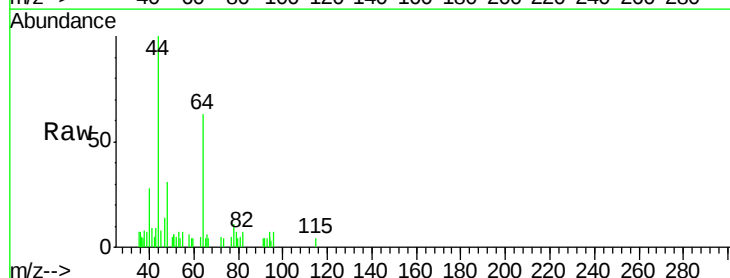
Acq: 25 Apr 2019 14:45

Tgt Ion: 94 Resp: 328

Ion Ratio Lower Upper

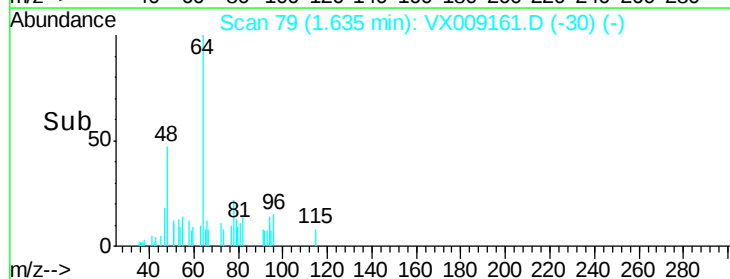
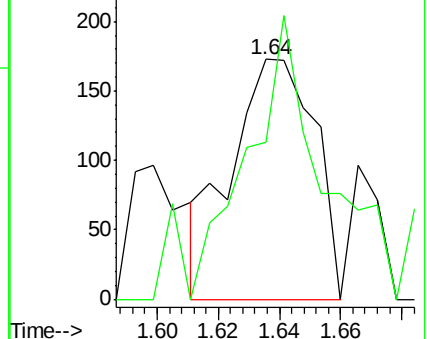
94 100

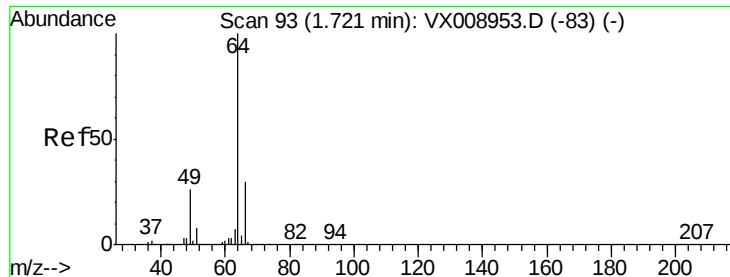
96 65.3 73.9 110.9#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: 0.282 ug/l

RT: 1.76 min Scan# 99

Delta R.T. 0.04 min

Lab File: VX009161.D

Acq: 25 Apr 2019 14:45

Instrument :

MSVOA_X

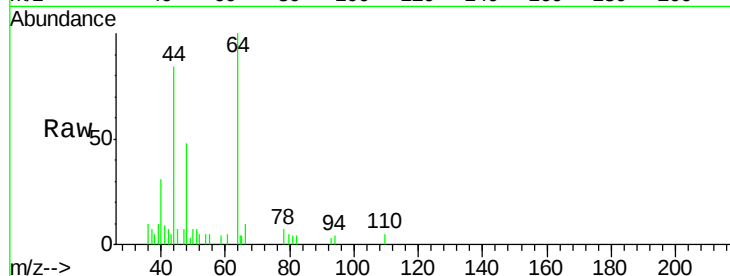
ClientSampleId :

Tot Ion: 64 Resp: 501

Ion Ratio Lower Upper

64 100

66 6.8 24.2 36.2#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.76

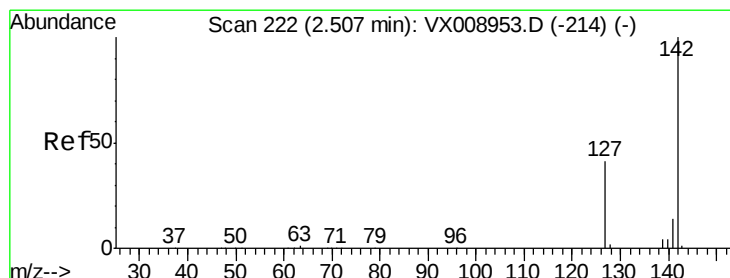
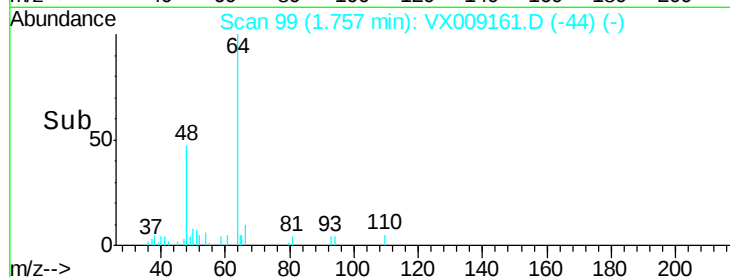
1500

1000

500

0

Time-->



#10

Methyl Iodide

Concen: 4.485 ug/l

RT: 2.53 min Scan# 225

Delta R.T. 0.02 min

Lab File: VX009161.D

Acq: 25 Apr 2019 14:45

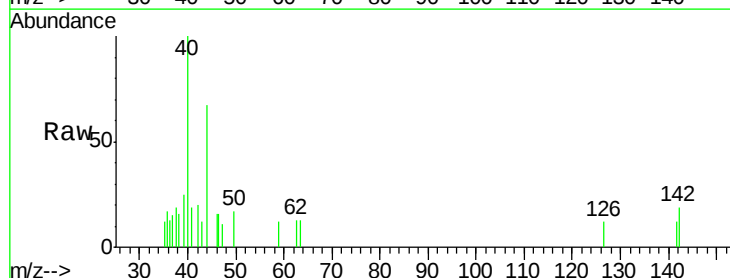
Tgt Ion: 142 Resp: 190

Ion Ratio Lower Upper

142 100

127 21.6 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

200

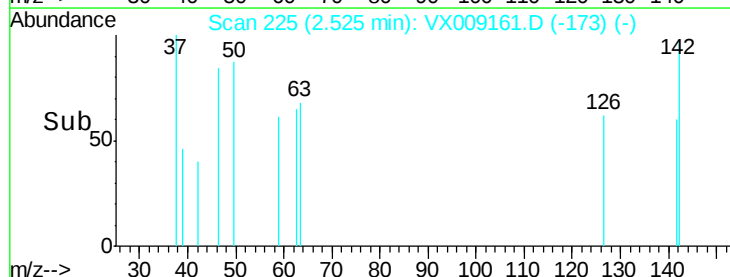
150

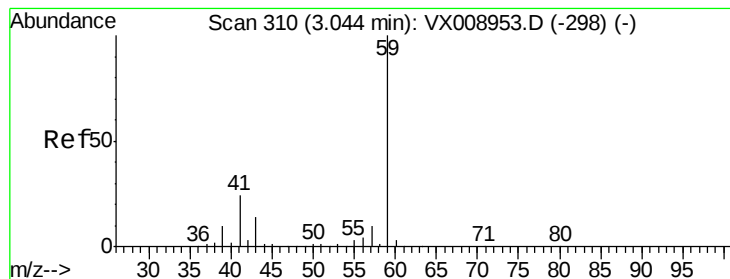
100

50

0

Time-->



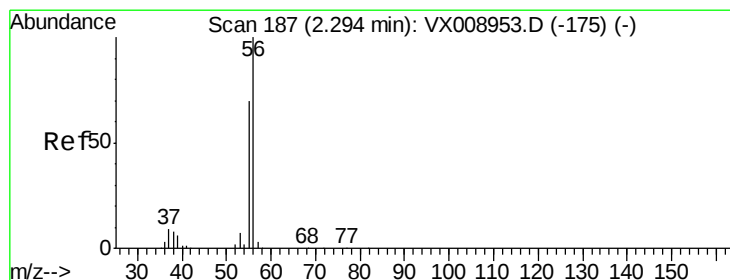
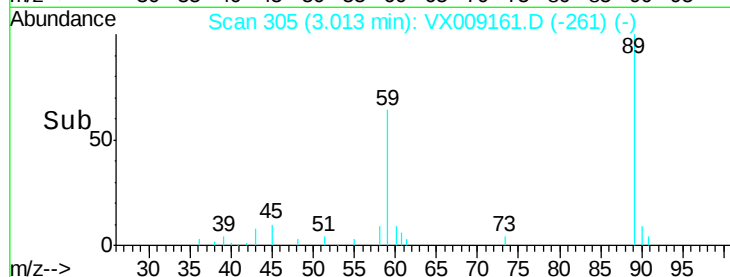
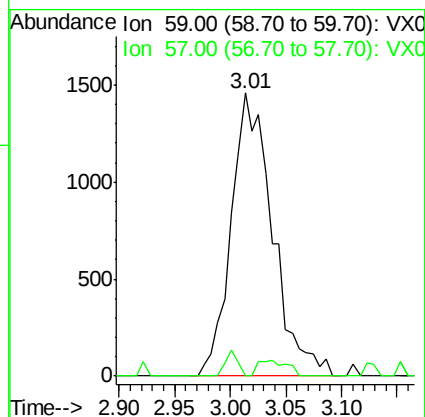
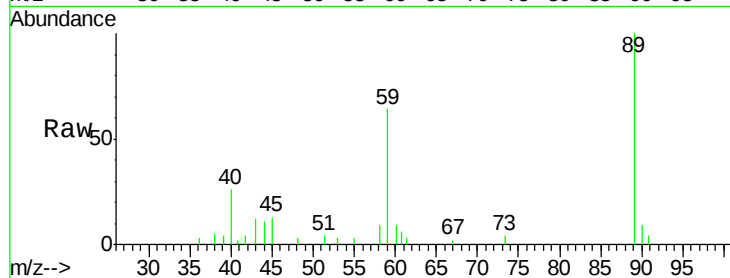


#11

Tert butyl alcohol
 Concen: 5.468 ug/l
 RT: 3.01 min Scan# 305
 Delta R.T. -0.03 min
 Lab File: VX009161.D
 Acq: 25 Apr 2019 14:45

Instrument :
 MSVOA_X
 ClientSampleId :

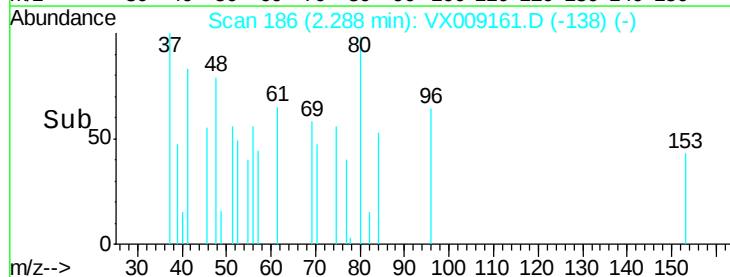
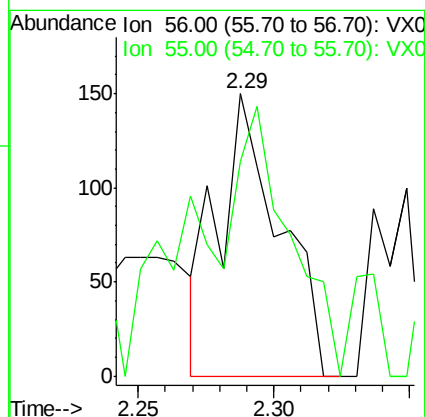
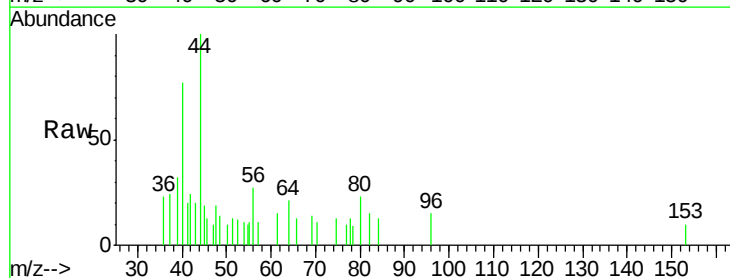
Tot Ion: 59 Resp: 3760
 Ion Ratio Lower Upper
 59 100
 57 2.6 8.4 12.6#

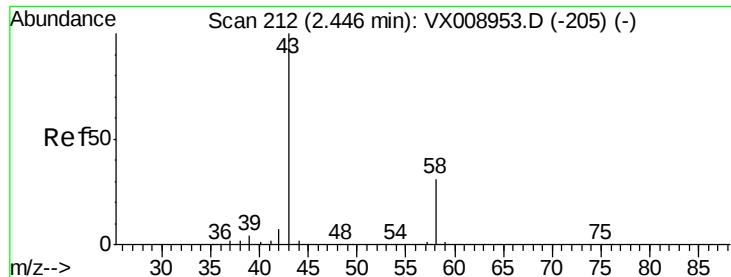


#13

Acrolein
 Concen: 0.392 ug/l
 RT: 2.29 min Scan# 186
 Delta R.T. -0.01 min
 Lab File: VX009161.D
 Acq: 25 Apr 2019 14:45

Tgt Ion: 56 Resp: 233
 Ion Ratio Lower Upper
 56 100
 55 82.0 56.6 84.8





#16

Acetone

Concen: 2.702 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX009161.D

Acq: 25 Apr 2019 14:45

Instrument :

MSVOA_X

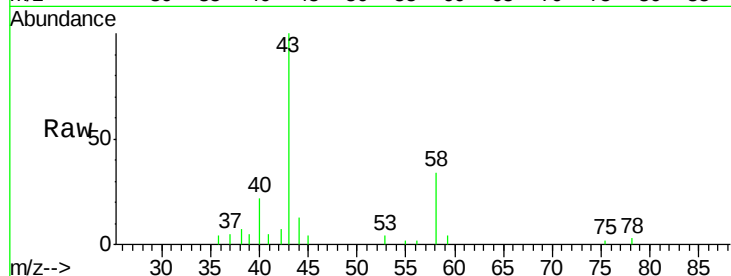
ClientSampled :

Tot Ion: 43 Resp: 4340

Ion Ratio Lower Upper

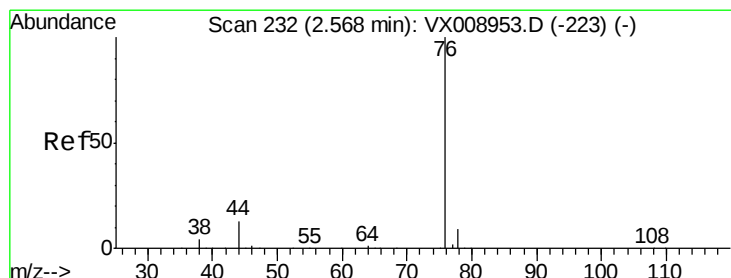
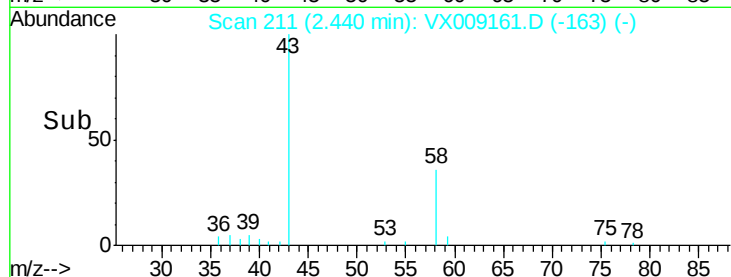
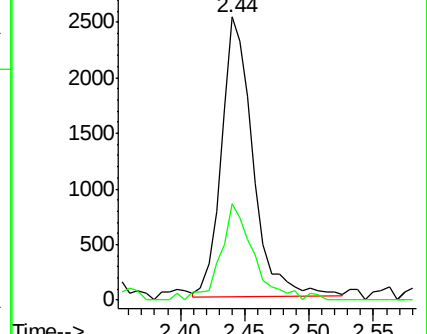
43 100

58 35.0 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: 1.342 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX009161.D

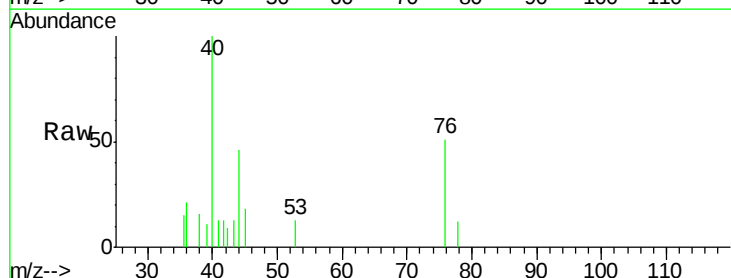
Acq: 25 Apr 2019 14:45

Tgt Ion: 76 Resp: 638

Ion Ratio Lower Upper

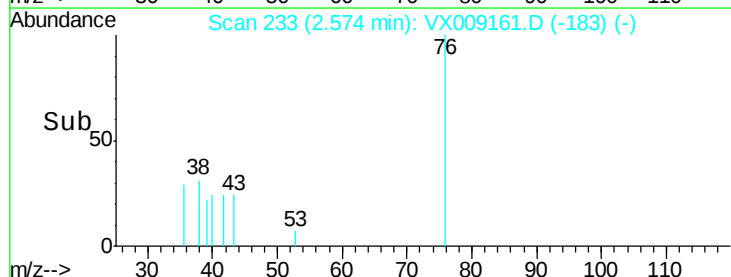
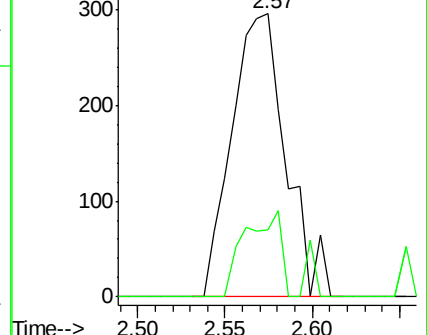
76 100

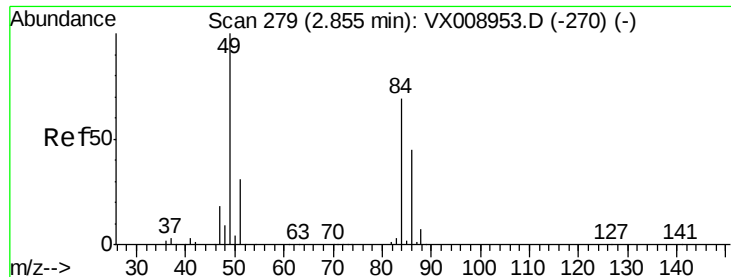
78 23.6 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

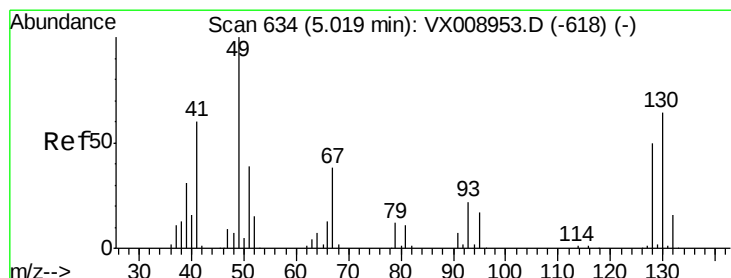
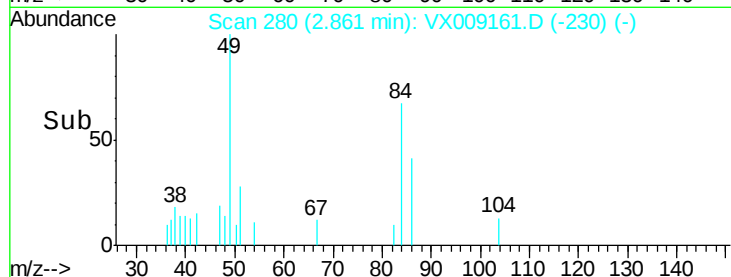
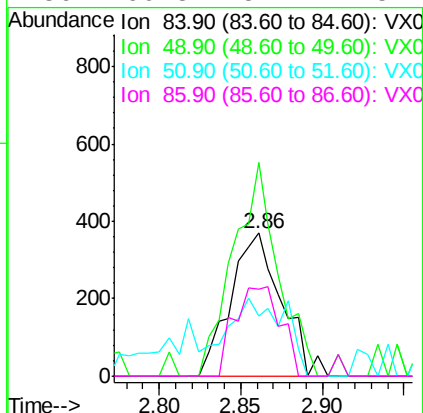
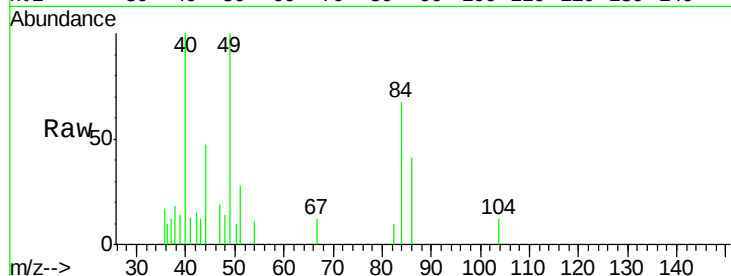




#20
Methvlene Chloride
Concen: 0.293 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX009161.D
Acq: 25 Apr 2019 14:45

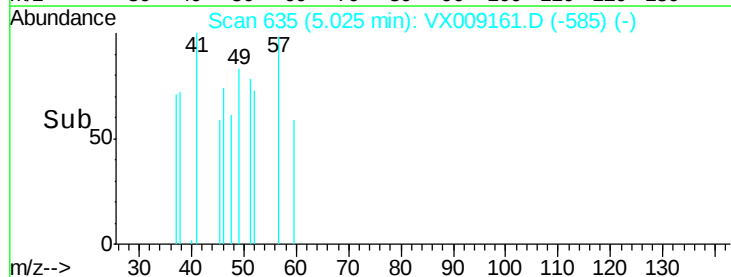
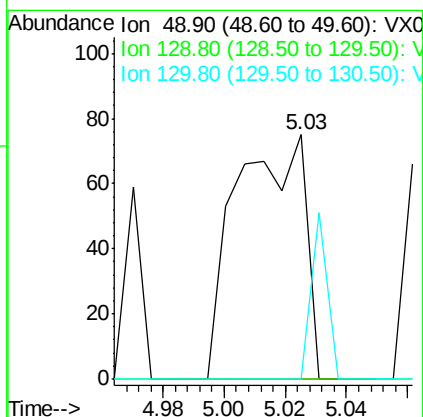
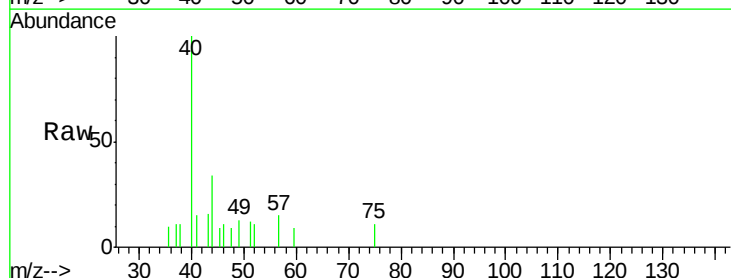
Instrument :
MSVOA_X
ClientSampleId :

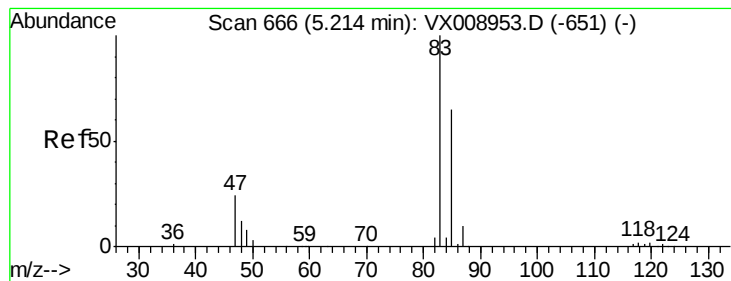
Tot Ion: 84 Resp: 804
Ion Ratio Lower Upper
84 100
49 149.2 115.4 173.0
51 41.9 35.8 53.6
86 60.8 52.1 78.1



#28
Bromochloromethane
Concen: Below Cal
RT: 5.03 min Scan# 635
Delta R.T. 0.01 min
Lab File: VX009161.D
Acq: 25 Apr 2019 14:45

Tgt Ion: 49 Resp: 117
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.6
130 16.2 50.4 75.6#





#30

Chloroform

Concen: 0.816 ug/l

RT: 5.21 min Scan# 665

Delta R.T. -0.01 min

Lab File: VX009161.D

Acq: 25 Apr 2019 14:45

Instrument :

MSVOA_X

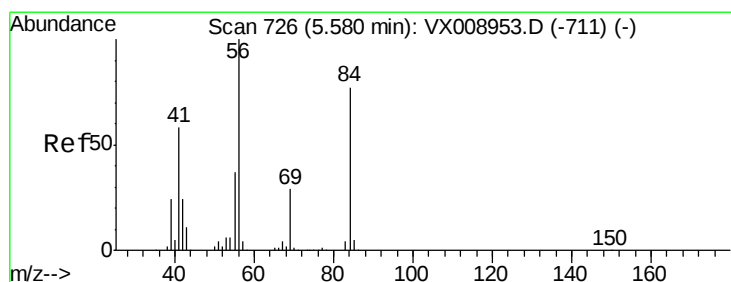
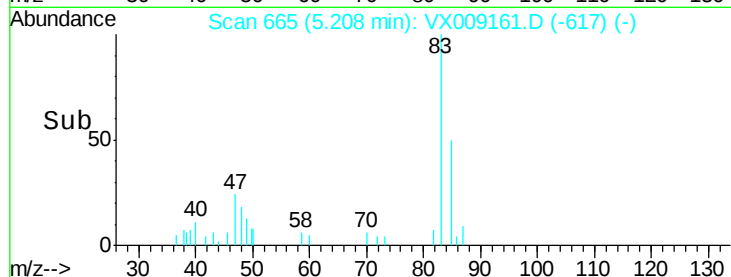
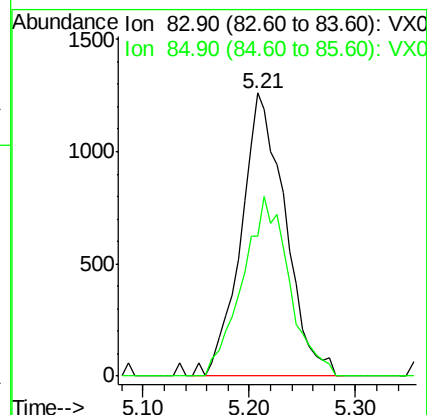
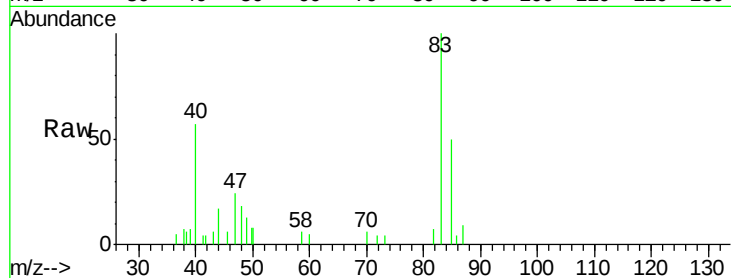
ClientSampleId :

Tot Ion: 83 Resp: 3662

Ion Ratio Lower Upper

83 100

85 49.6 51.9 77.9#



#31

Cyclohexane

Concen: 0.998 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.08 min

Lab File: VX009161.D

Acq: 25 Apr 2019 14:45

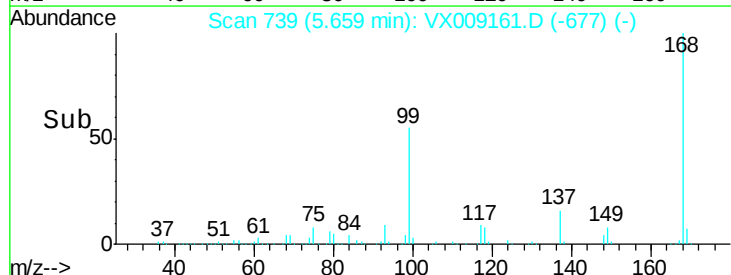
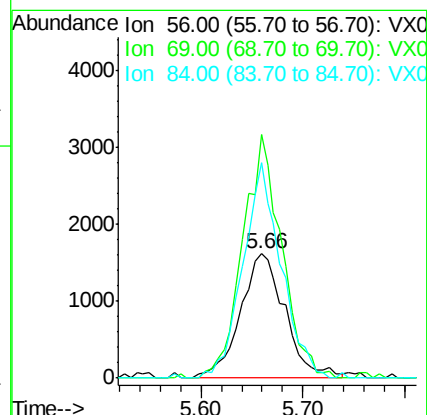
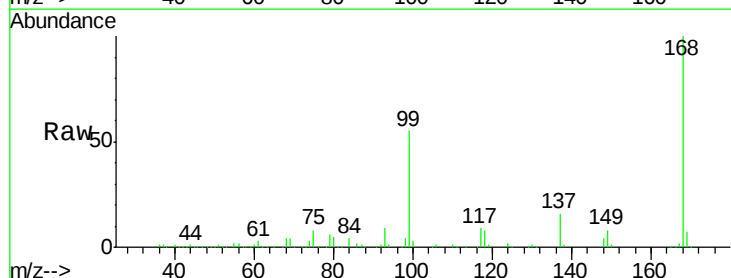
Tgt Ion: 56 Resp: 4926

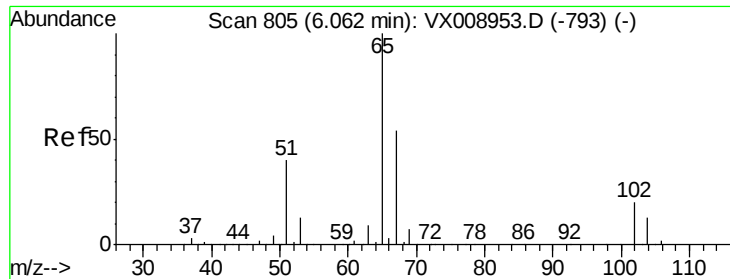
Ion Ratio Lower Upper

56 100

69 196.0 23.3 34.9#

84 173.6 61.7 92.5#

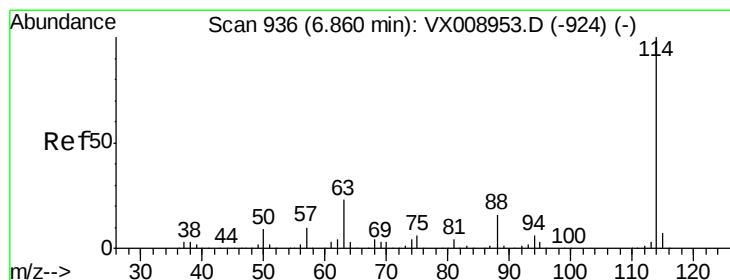
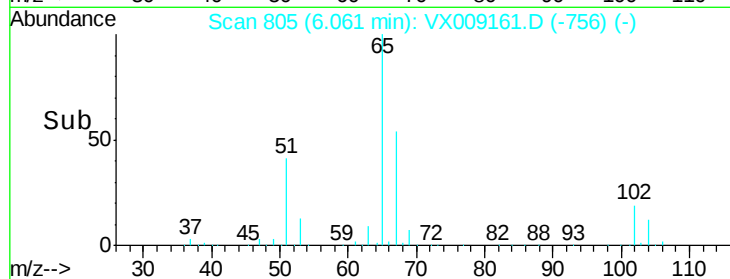
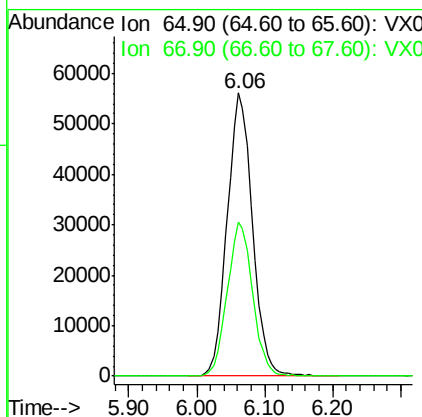
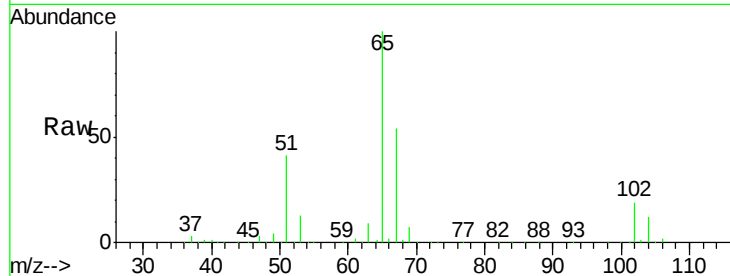




#33
 1,2-Dichloroethane-d4
 Concen: 46.696 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX009161.D
 Acq: 25 Apr 2019 14:45

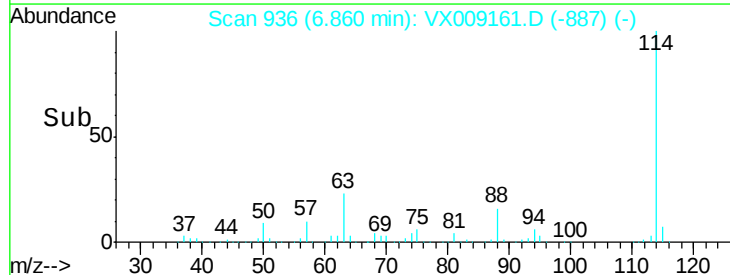
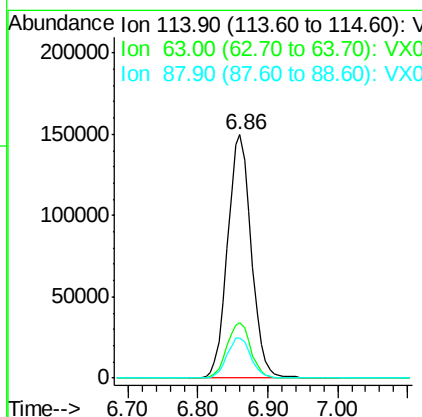
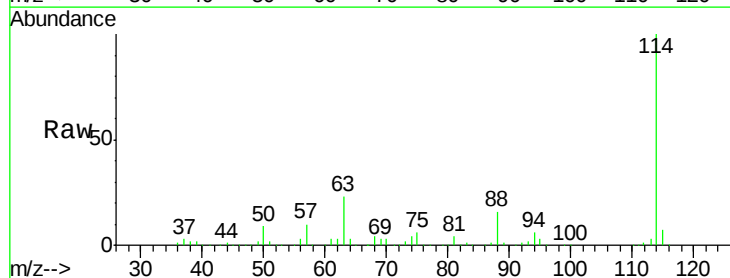
Instrument :
 MSVOA_X
 ClientSampleId :

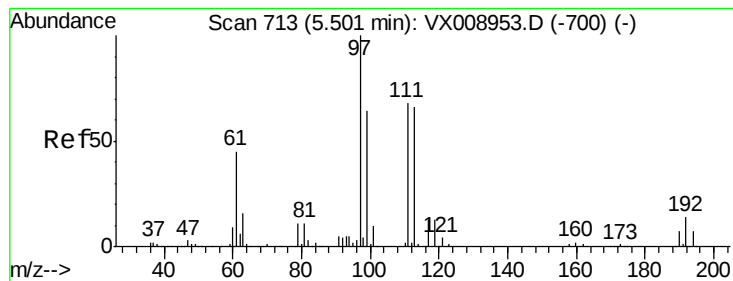
Tot Ion: 65 Resp: 144649
 Ion Ratio Lower Upper
 65 100
 67 54.6 0.0 108.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX009161.D
 Acq: 25 Apr 2019 14:45

Tgt Ion: 114 Resp: 352065
 Ion Ratio Lower Upper
 114 100
 63 22.9 0.0 46.0
 88 16.4 0.0 32.6





#35

Dibromofluoromethane

Concen: 46.857 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX009161.D

Acq: 25 Apr 2019 14:45

Instrument :

MSVOA_X

ClientSampleId :

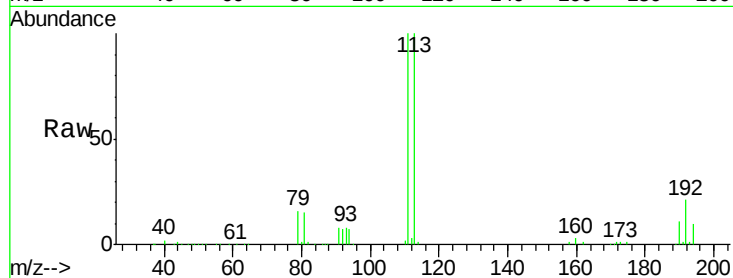
Tot Ion:113 Resp: 105872

Ion Ratio Lower Upper

113 100

111 103.3 82.9 124.3

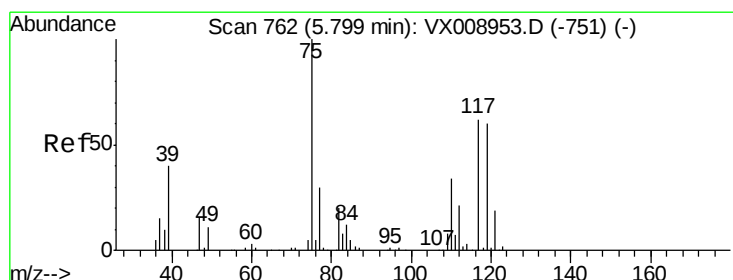
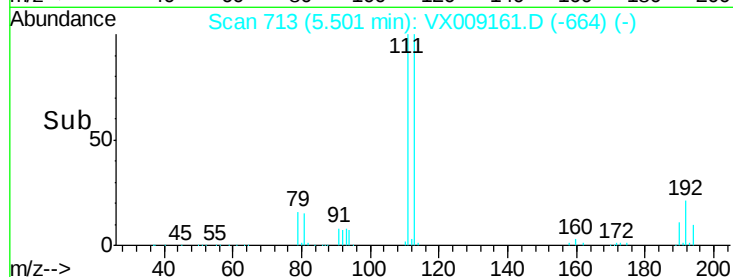
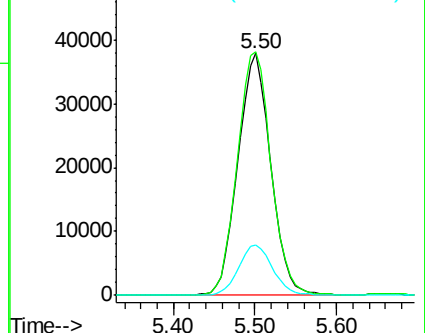
192 21.6 17.4 26.0



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: 4.789 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX009161.D

Acq: 25 Apr 2019 14:45

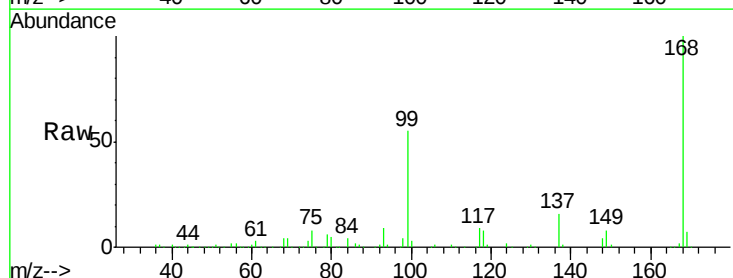
Tgt Ion: 75 Resp: 17437

Ion Ratio Lower Upper

75 100

110 8.1 16.9 50.7#

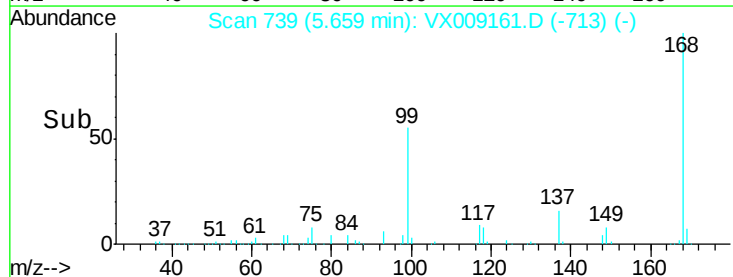
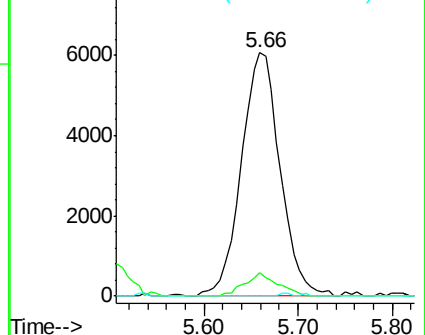
77 0.0 25.0 37.4#

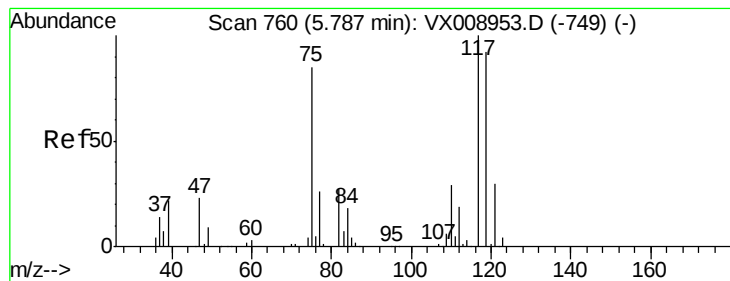


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.622 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX009161.D

Acq: 25 Apr 2019 14:45

Instrument :

MSVOA_X

ClientSampleId :

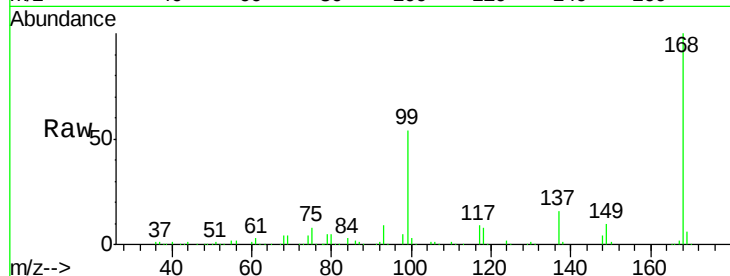
Tot Ion:117 Resp: 20442

Ion Ratio Lower Upper

117 100

119 3.5 73.8 110.8#

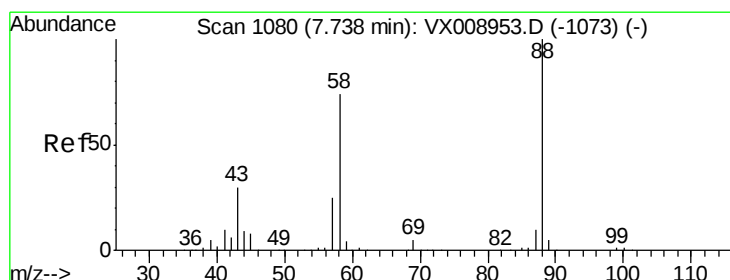
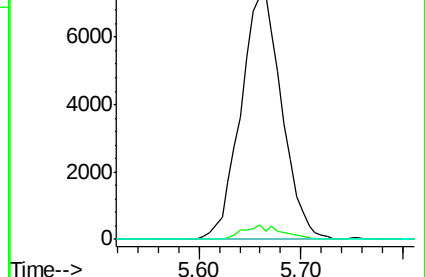
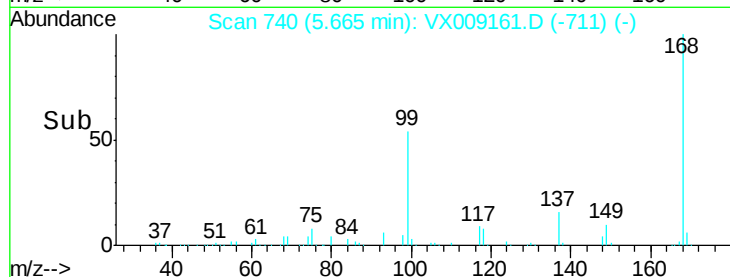
121 0.0 23.6 35.4#



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: 0.272 ug/l

RT: 7.57 min Scan# 1053

Delta R.T. -0.16 min

Lab File: VX009161.D

Acq: 25 Apr 2019 14:45

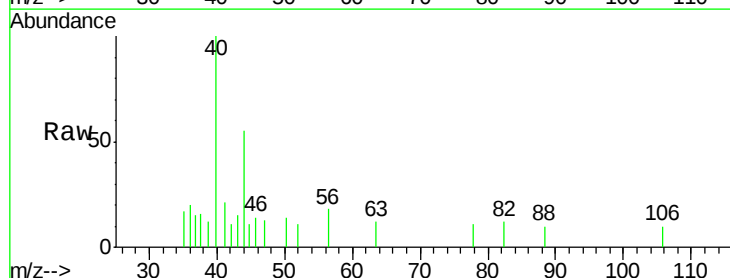
Tgt Ion: 88 Resp: 19

Ion Ratio Lower Upper

88 100

43 410.5 29.3 43.9#

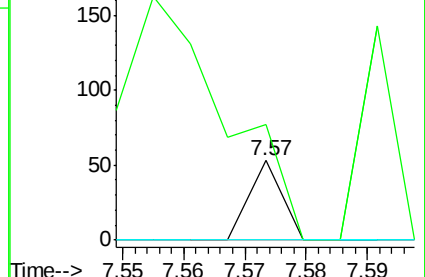
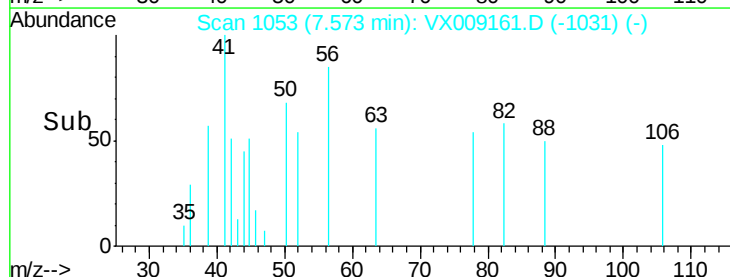
58 0.0 62.6 93.8#

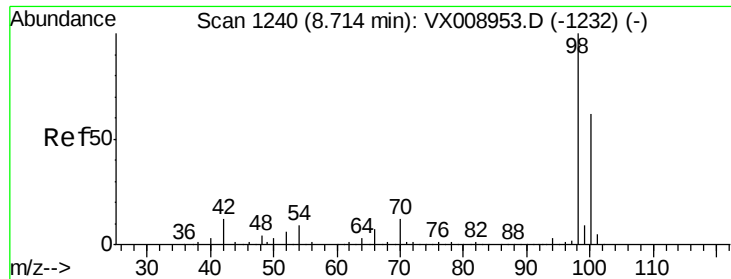


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

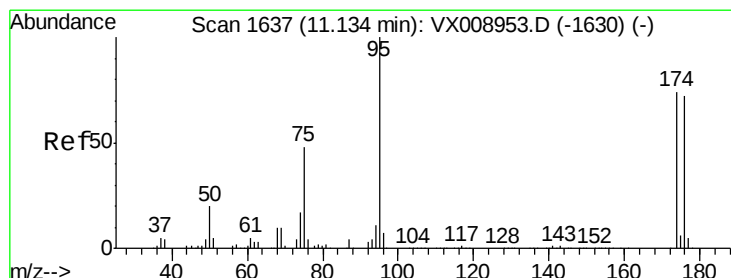
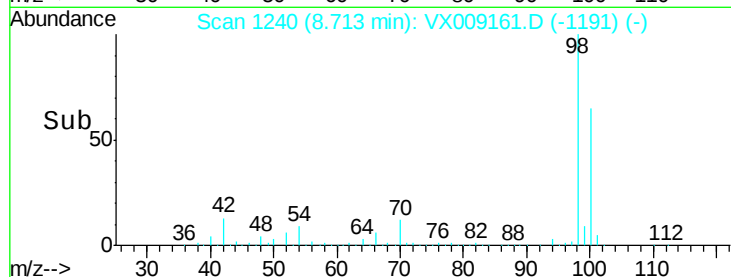
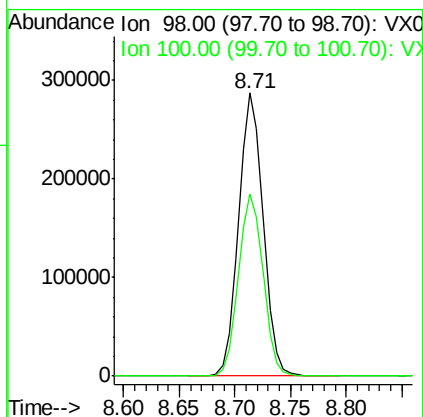
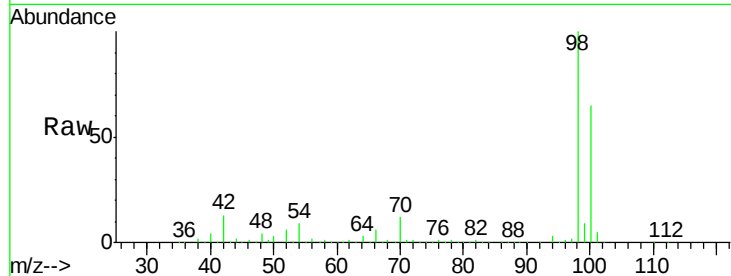




#50
Toluene-d8
Concen: 48.624 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX009161.D
Acq: 25 Apr 2019 14:45

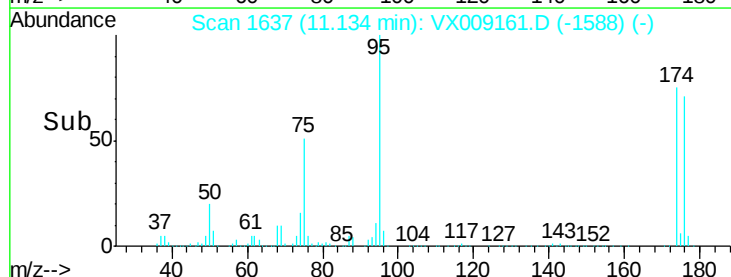
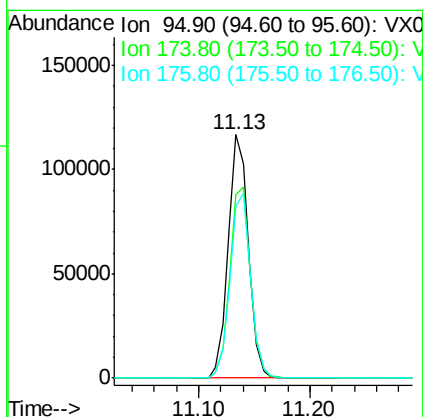
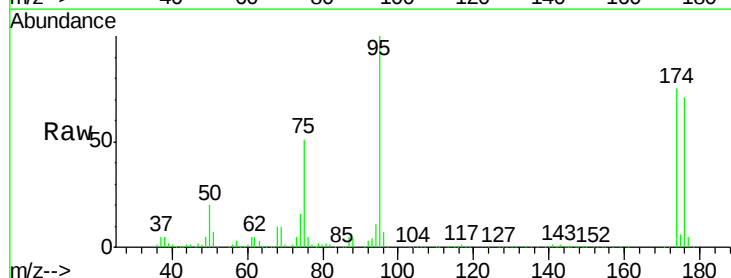
Instrument :
MSVOA_X
ClientSampleId :

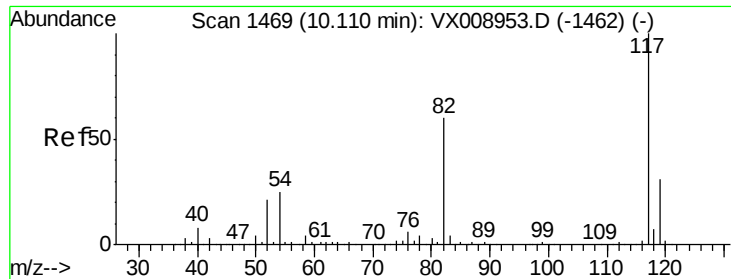
Tot Ion: 98 Resp: 438143
Ion Ratio Lower Upper
98 100
100 64.6 51.4 77.2



#62
4-Bromofluorobenzene
Concen: 46.008 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX009161.D
Acq: 25 Apr 2019 14:45

Tgt Ion: 95 Resp: 146346
Ion Ratio Lower Upper
95 100
174 80.4 0.0 159.6
176 77.3 0.0 154.8

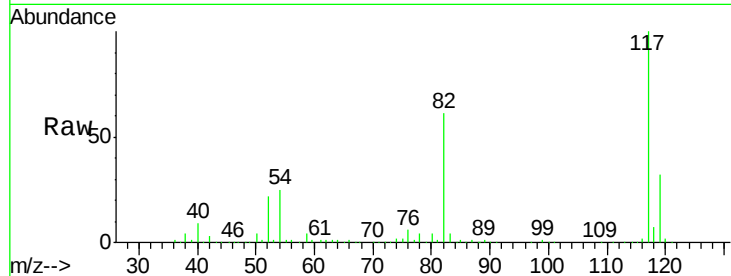




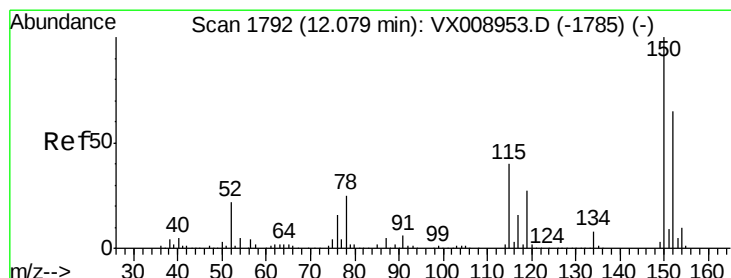
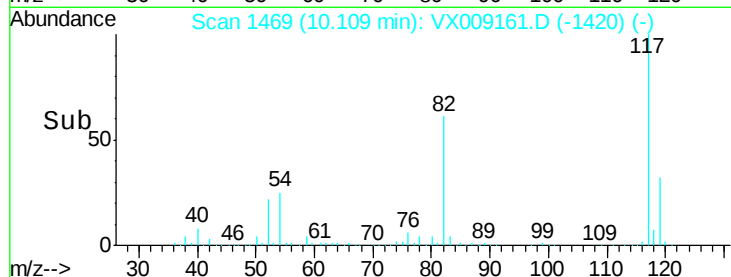
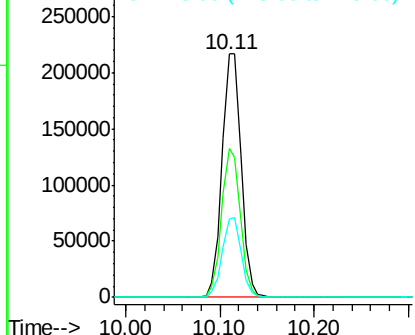
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX009161.D
Acq: 25 Apr 2019 14:45

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:117 Resp: 305978
Ion Ratio Lower Upper
117 100
82 61.1 48.2 72.4
119 32.4 25.0 37.6

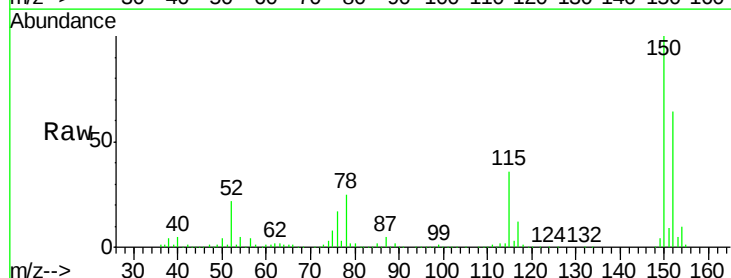


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

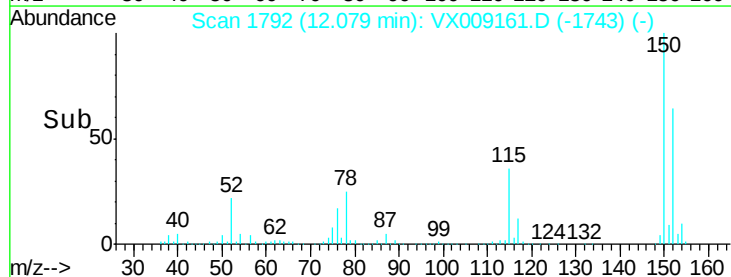
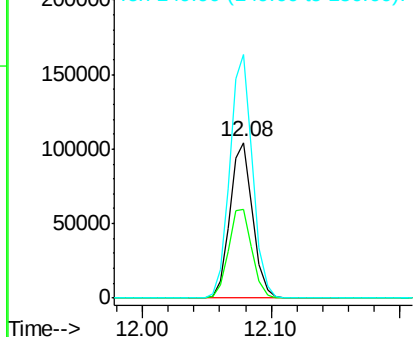


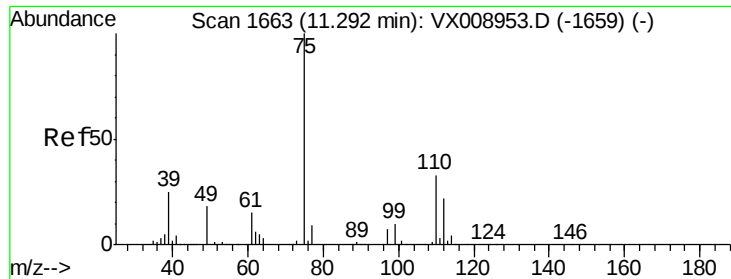
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX009161.D
Acq: 25 Apr 2019 14:45

Tgt Ion:152 Resp: 128705
Ion Ratio Lower Upper
152 100
115 59.3 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: 23.839 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009161.D

Acq: 25 Apr 2019 14:45

Instrument :

MSVOA_X

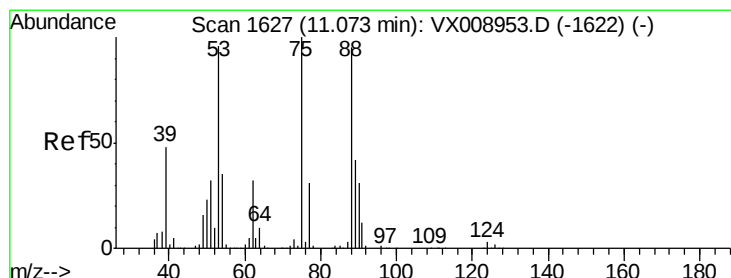
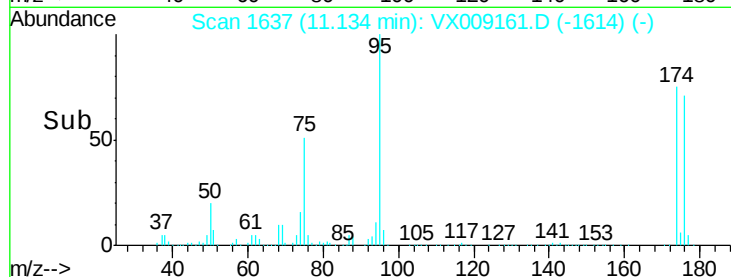
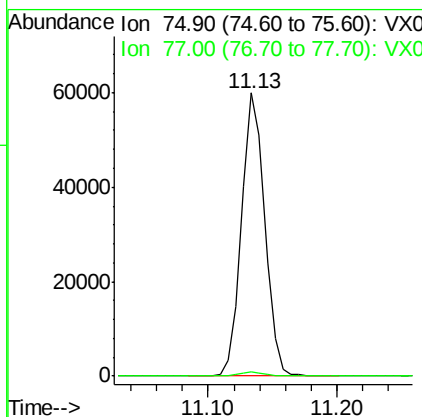
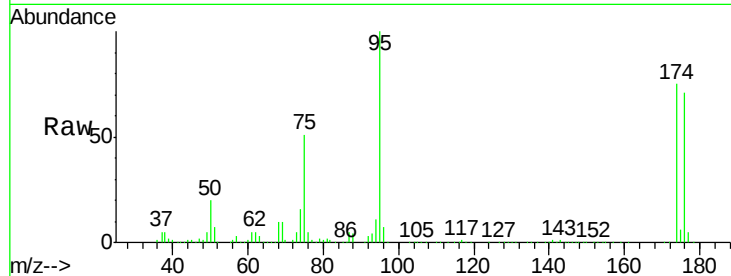
ClientSampleId :

Tot Ion: 75 Resp: 74919

Ion Ratio Lower Upper

75 100

77 1.5 22.7 68.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 61.201 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009161.D

Acq: 25 Apr 2019 14:45

Tgt Ion: 75 Resp: 74919

Ion Ratio Lower Upper

75 100

53 0.2 78.2 117.4#

89 0.0 36.0 54.0#

