

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX042519\
 Data File : VX009157.D
 Acq On : 25 Apr 2019 13:12
 Operator : JC/SP
 Sample : K2555-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Apr 26 04:23:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X041519W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 17 06:47:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	217411	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	350874	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	305650	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	131964	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	144350	47.11	ug/l	0.00
Spiked Amount			Recovery	=	94.22%	
35) Dibromofluoromethane	5.49	113	106509	47.30	ug/l	0.00
Spiked Amount			Recovery	=	94.60%	
50) Toluene-d8	8.71	98	443610	49.40	ug/l	0.00
Spiked Amount			Recovery	=	98.80%	
62) 4-Bromofluorobenzene	11.13	95	147442	46.51	ug/l	0.00
Spiked Amount			Recovery	=	93.02%	

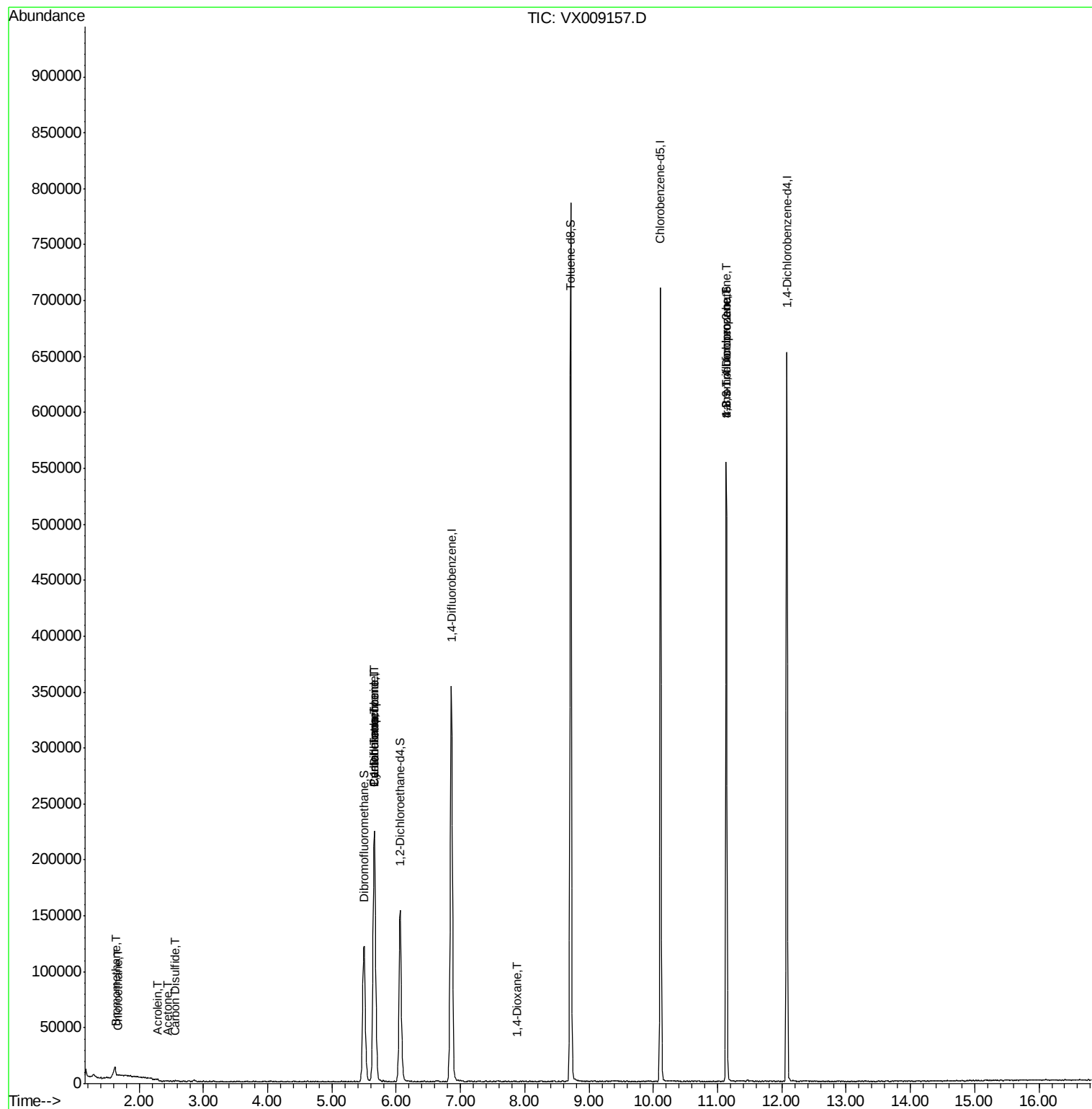
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	324	4.008	ug/l	97
6) Chloroethane	1.67	64	7143	4.060	ug/l #	61
13) Acrolein	2.28	56	146	0.248	ug/l #	45
16) Acetone	2.44	43	831	0.523	ug/l #	83
17) Carbon Disulfide	2.57	76	718	1.355	ug/l #	91
28) Bromochloromethane	5.04	49	19	Below Cal	#	21
31) Cyclohexane	5.67	56	4912	1.007	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	17491	4.820	ug/l #	50
38) Carbon Tetrachloride	5.66	117	20612	6.700	ug/l #	17
49) 1,4-Dioxane	7.87	88	20	0.287	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	75526	23.439	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	75526	60.173	ug/l #	11

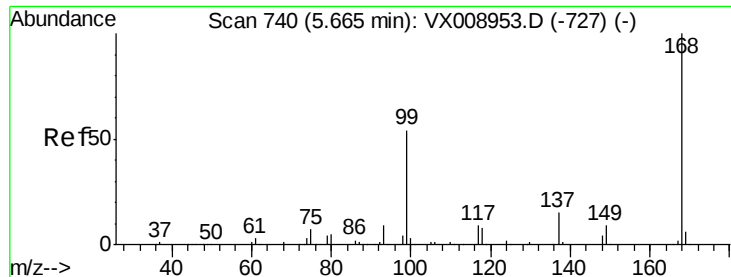
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX042519\
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QLast Update : Wed Apr 17 06:47:58 2019
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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: VX009157.D

Acq: 25 Apr 2019 13:12

Instrument :

MSVOA_X

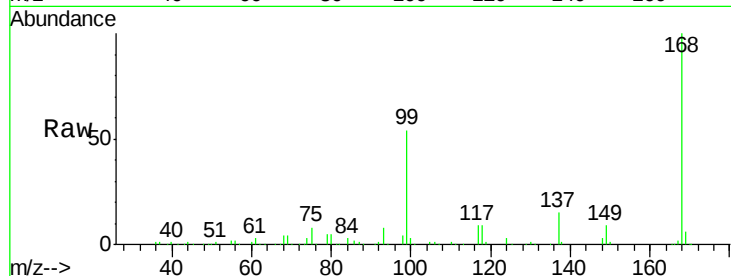
ClientSampleId :

Tot Ion:168 Resp: 217411

Ion Ratio Lower Upper

168 100

99 53.5 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

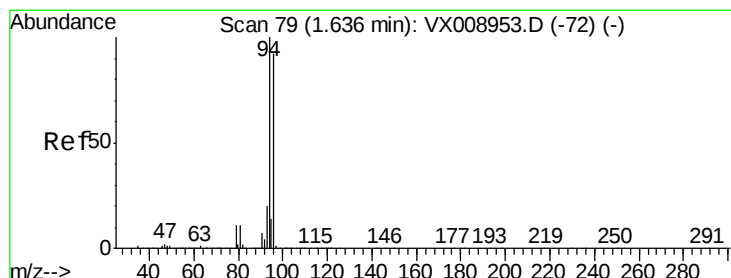
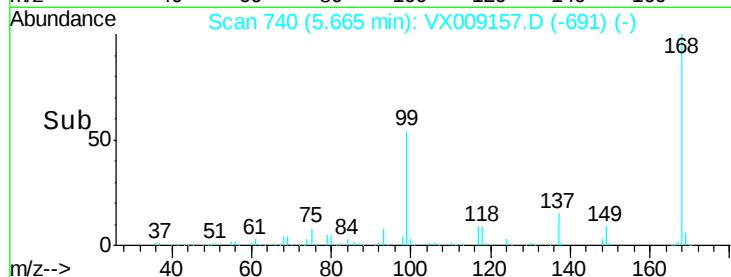
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 4.008 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX009157.D

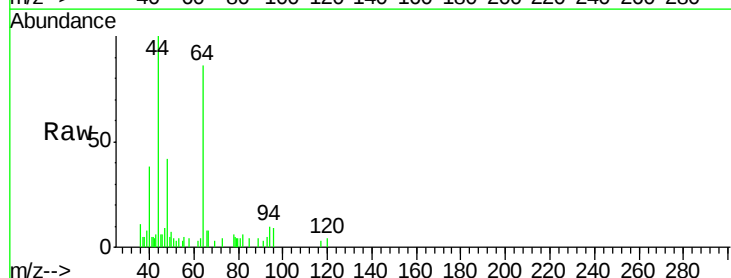
Acq: 25 Apr 2019 13:12

Tgt Ion: 94 Resp: 324

Ion Ratio Lower Upper

94 100

96 89.6 73.9 110.9



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

200

150

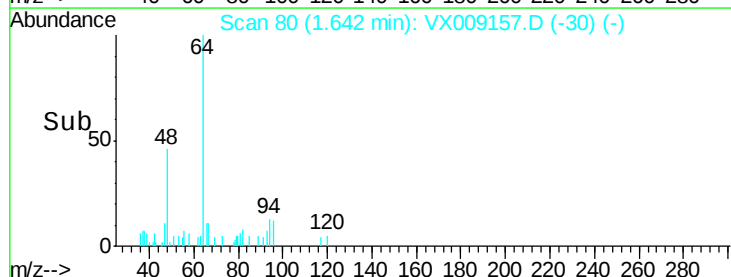
100

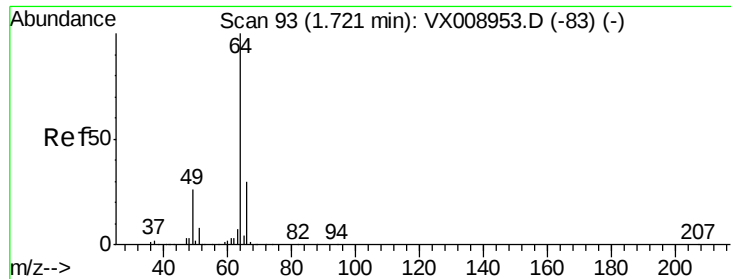
50

0

Time-->

1.60 1.62 1.64 1.66 1.68





#6

Chloroethane

Concen: 4.060 ug/l

RT: 1.67 min Scan# 85

Delta R.T. -0.05 min

Lab File: VX009157.D

Acq: 25 Apr 2019 13:12

Instrument :

MSVOA_X

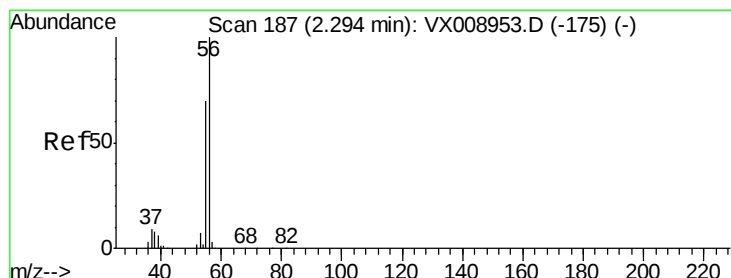
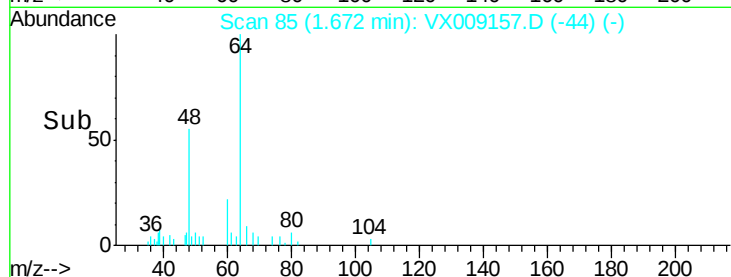
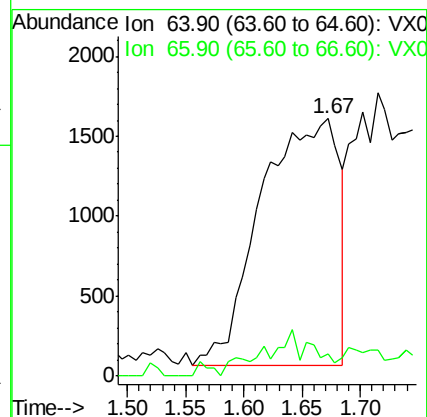
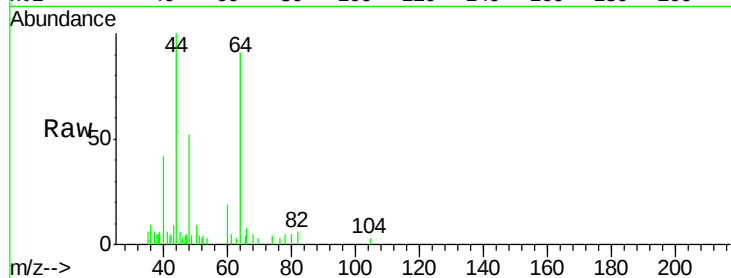
ClientSampled :

Tot Ion: 64 Resp: 7143

Ion Ratio Lower Upper

64 100

66 9.0 24.2 36.2#



#13

Acrolein

Concen: 0.248 ug/l

RT: 2.28 min Scan# 185

Delta R.T. -0.01 min

Lab File: VX009157.D

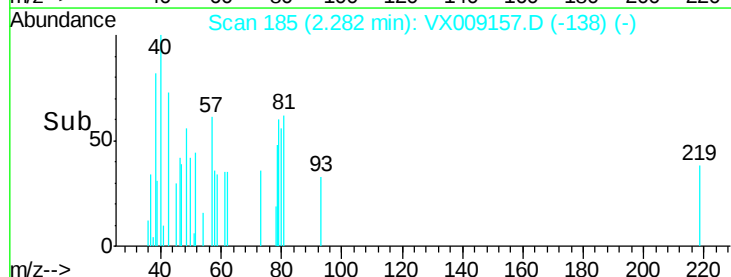
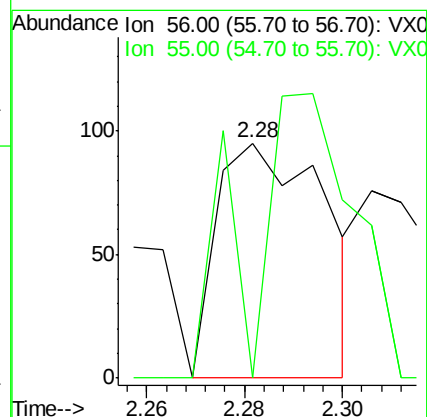
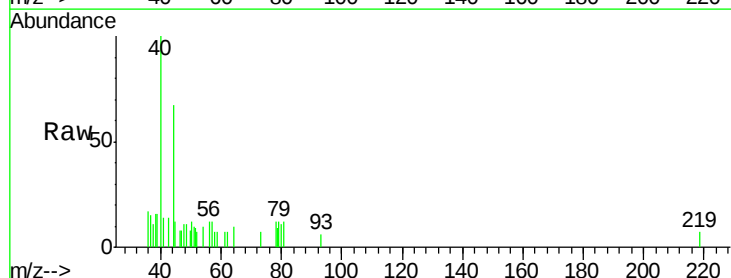
Acq: 25 Apr 2019 13:12

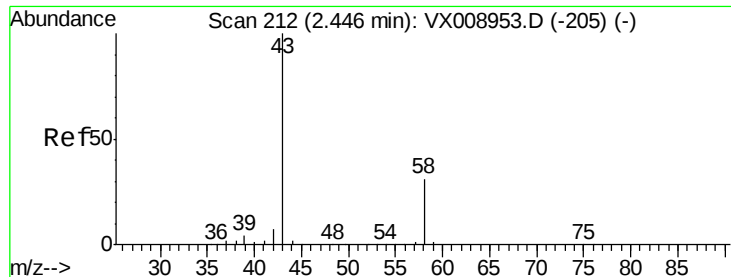
Tgt Ion: 56 Resp: 146

Ion Ratio Lower Upper

56 100

55 115.8 56.6 84.8#





#16

Acetone

Concen: 0.523 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX009157.D

Acq: 25 Apr 2019 13:12

Instrument :

MSVOA_X

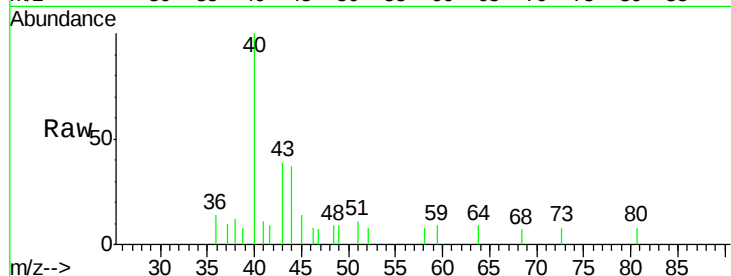
ClientSampleId :

Tot Ion: 43 Resp: 831

Ion Ratio Lower Upper

43 100

58 21.4 24.8 37.2#

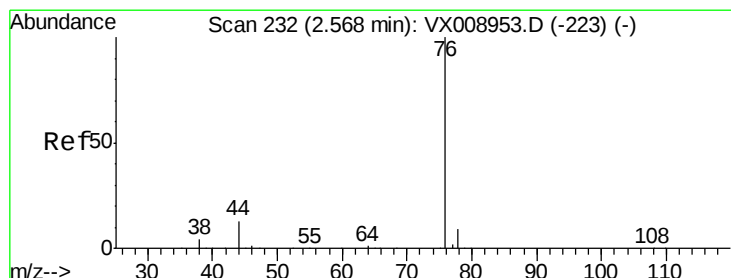
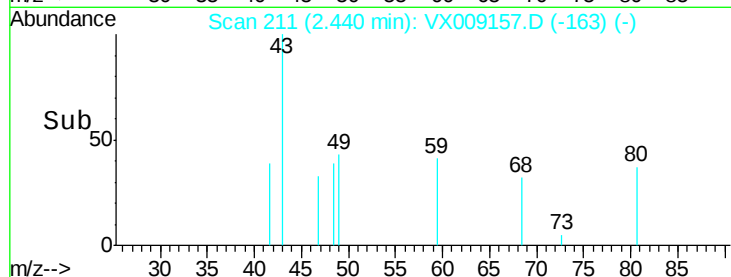


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.44

Time-->



#17

Carbon Disulfide

Concen: 1.355 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX009157.D

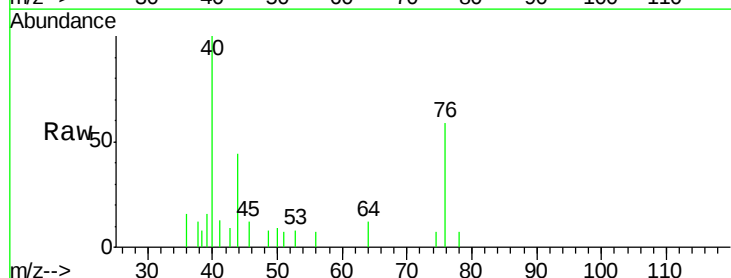
Acq: 25 Apr 2019 13:12

Tgt Ion: 76 Resp: 718

Ion Ratio Lower Upper

76 100

78 12.1 7.2 10.8#

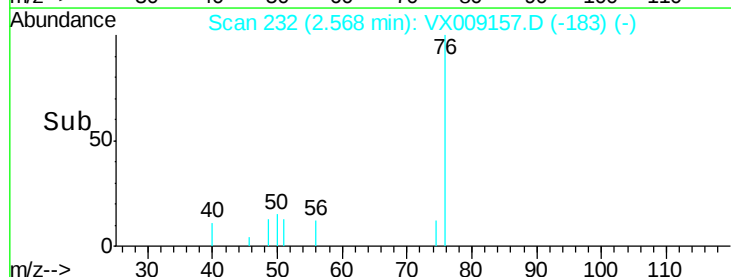


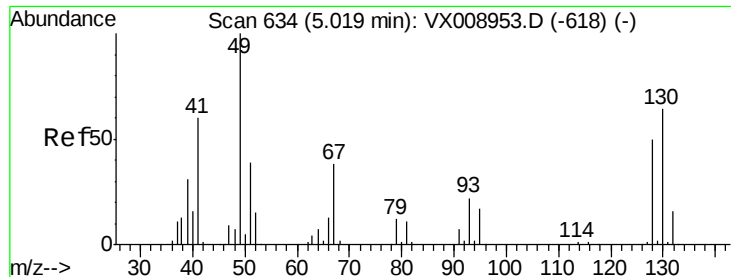
Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

Time-->





#28

Bromochloromethane

Concen: Below Cal

RT: 5.04 min Scan# 637

Delta R.T. 0.02 min

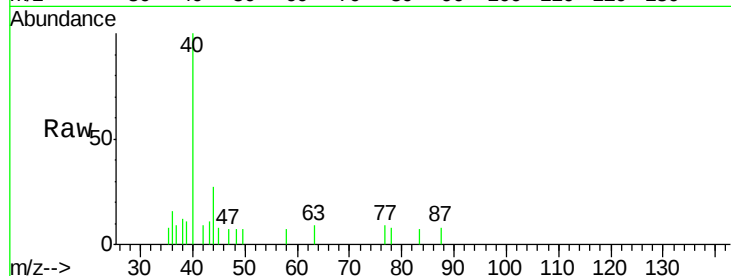
Lab File: VX009157.D

Acq: 25 Apr 2019 13:12

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 49 Resp: 19

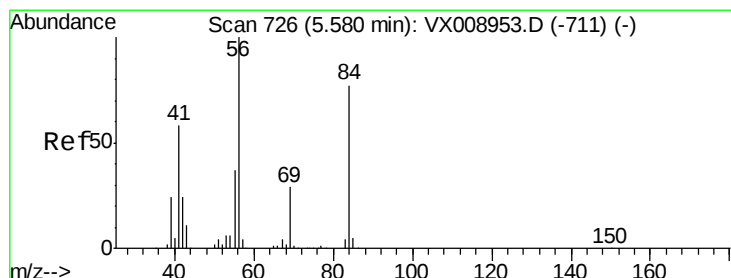
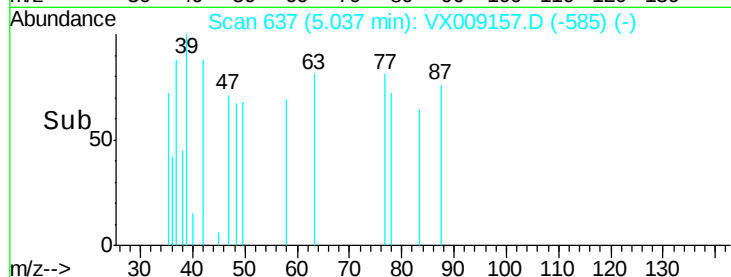
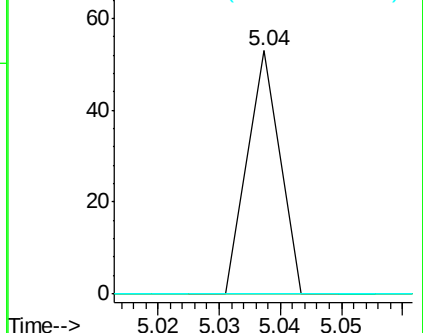
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.6
130	0.0	50.4	75.6#



Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V



#31

Cyclohexane

Concen: 1.007 ug/l

RT: 5.67 min Scan# 740

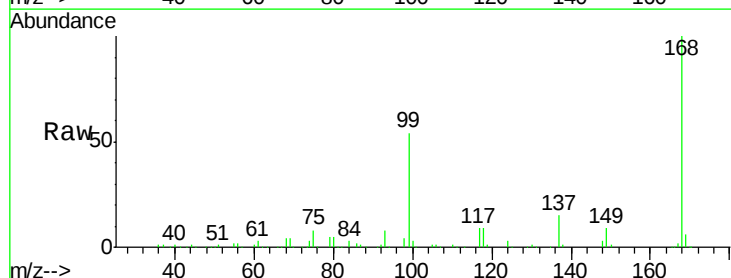
Delta R.T. 0.09 min

Lab File: VX009157.D

Acq: 25 Apr 2019 13:12

Tgt Ion: 56 Resp: 4912

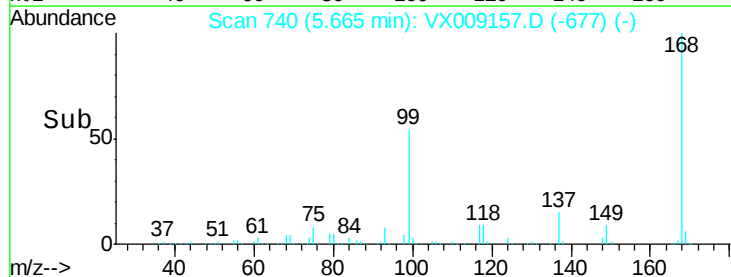
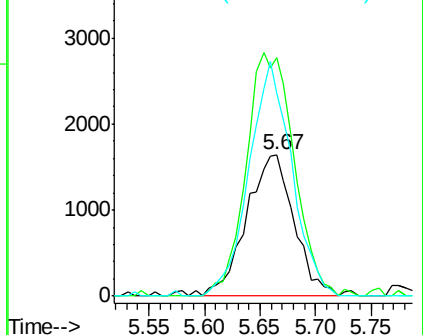
Ion	Ratio	Lower	Upper
56	100		
69	168.3	23.3	34.9#
84	143.5	61.7	92.5#

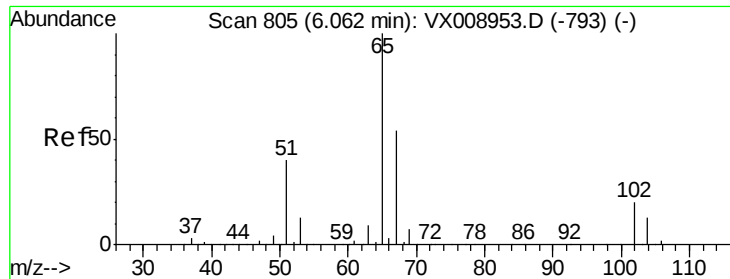


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

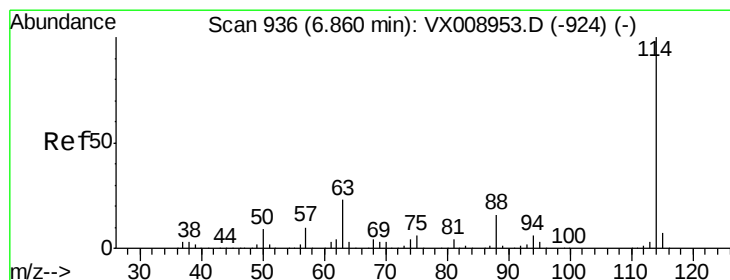
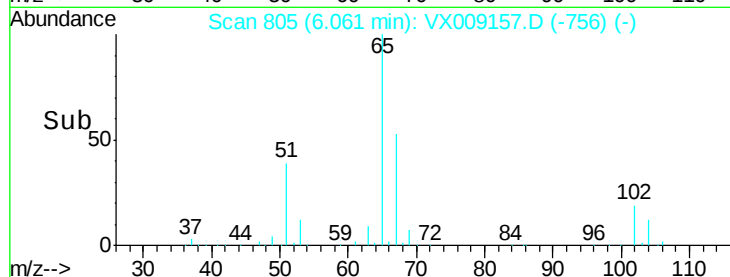
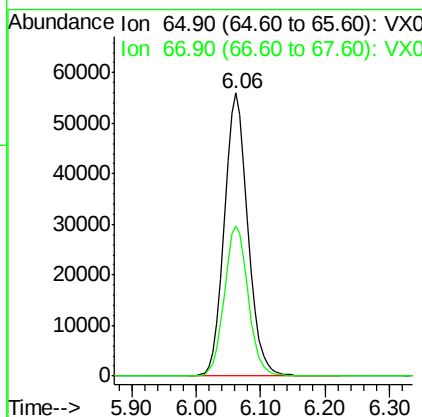
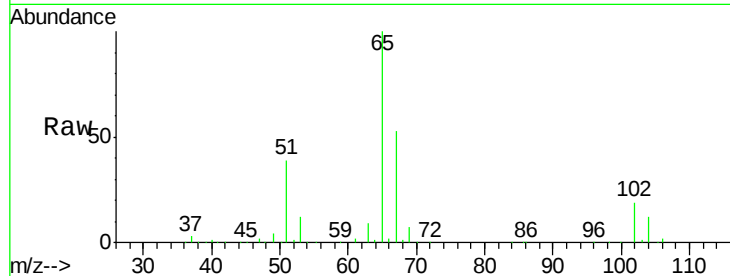




#33
 1,2-Dichloroethane-d4
 Concen: 47.113 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX009157.D
 Acq: 25 Apr 2019 13:12

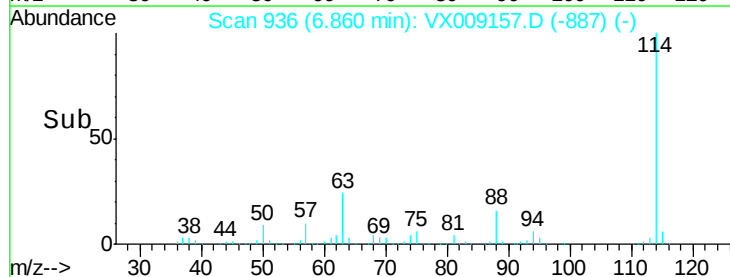
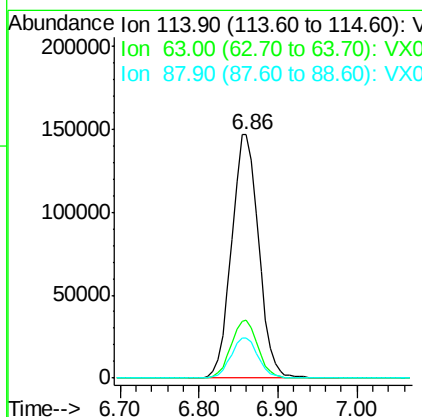
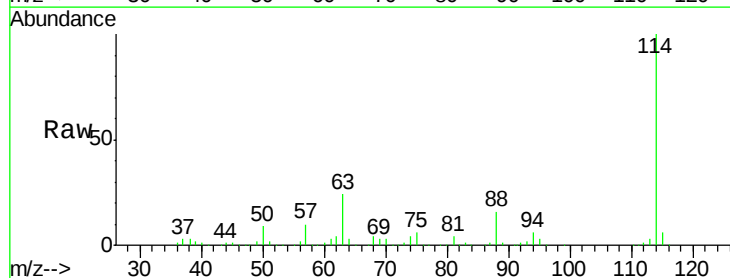
Instrument :
 MSVOA_X
 ClientSampleId :

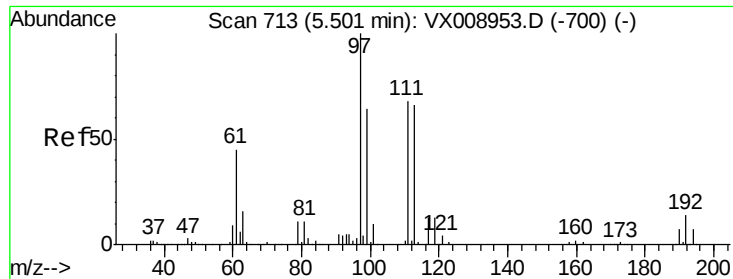
Tot Ion: 65 Resp: 144350
 Ion Ratio Lower Upper
 65 100
 67 54.0 0.0 108.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX009157.D
 Acq: 25 Apr 2019 13:12

Tgt Ion: 114 Resp: 350874
 Ion Ratio Lower Upper
 114 100
 63 23.9 0.0 46.0
 88 16.4 0.0 32.6

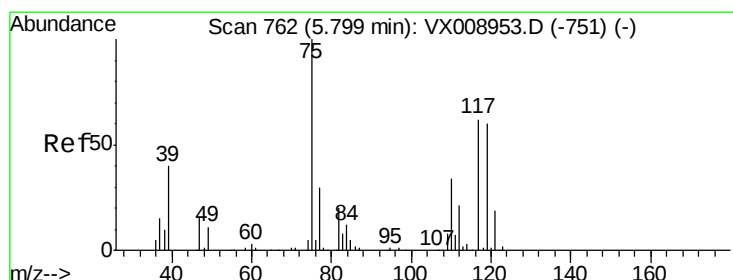
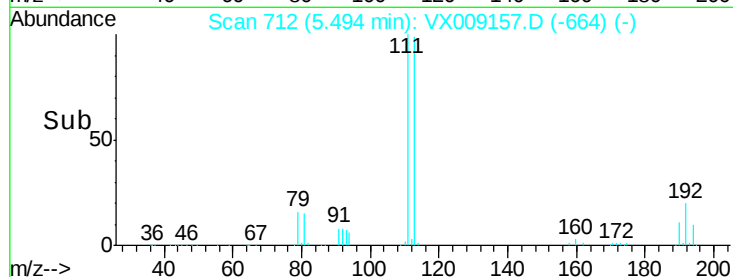
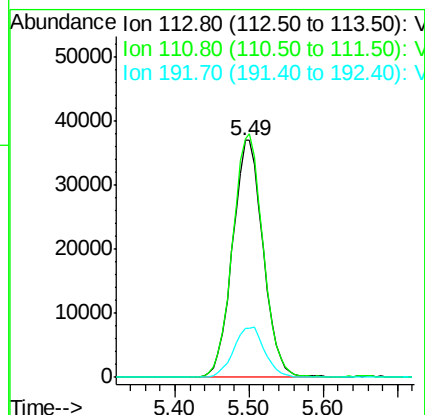
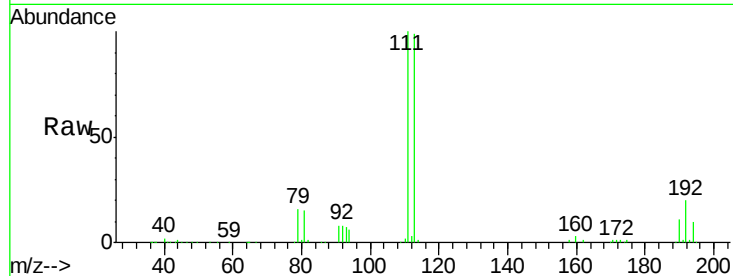




#35
Dibromofluoromethane
Concen: 47.299 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.01 min
Lab File: VX009157.D
Acq: 25 Apr 2019 13:12

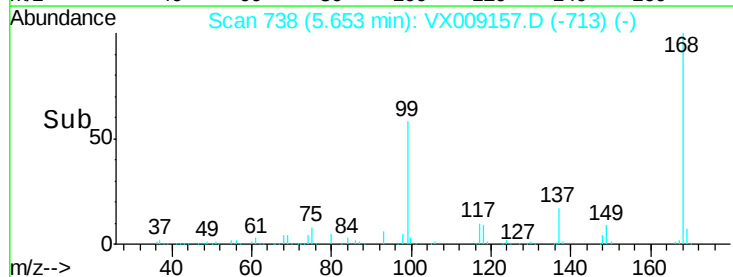
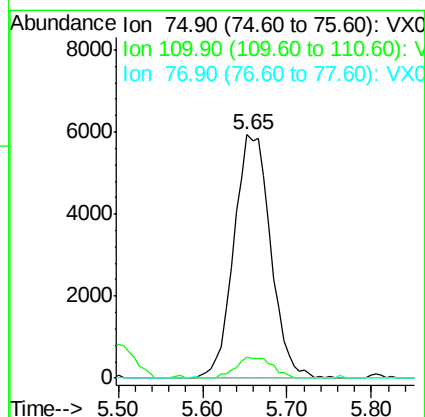
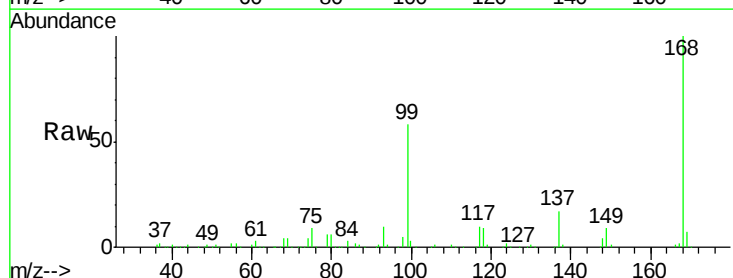
Instrument :
MSVOA_X
ClientSampleId :

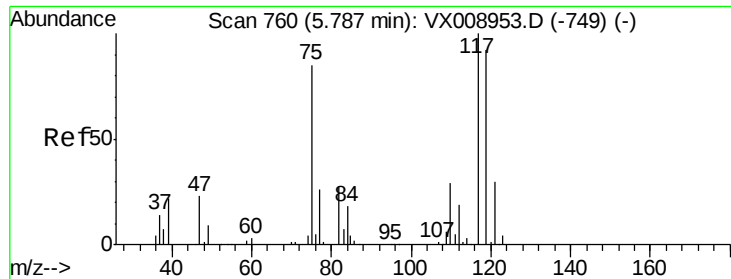
Tot Ion:113 Resp: 106509
Ion Ratio Lower Upper
113 100
111 102.2 82.9 124.3
192 21.5 17.4 26.0



#36
1,1-Dichloropropene
Concen: 4.820 ug/l
RT: 5.65 min Scan# 738
Delta R.T. -0.15 min
Lab File: VX009157.D
Acq: 25 Apr 2019 13:12

Tgt Ion: 75 Resp: 17491
Ion Ratio Lower Upper
75 100
110 8.6 16.9 50.7#
77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 6.700 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

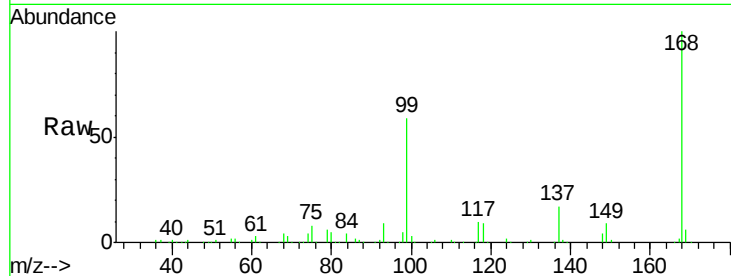
Lab File: VX009157.D

Acq: 25 Apr 2019 13:12

Instrument :

MSVOA_X

ClientSampled :



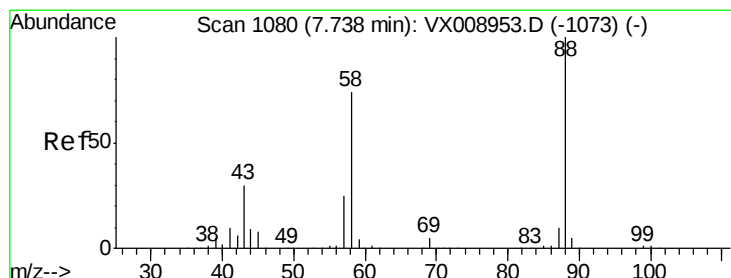
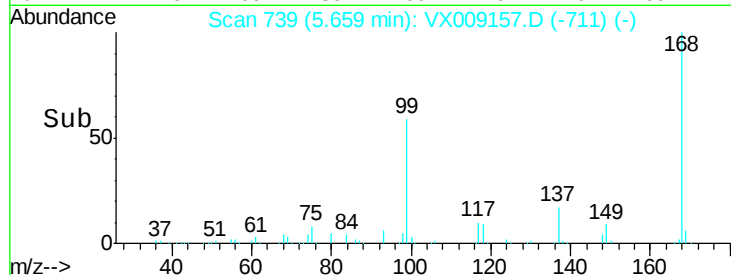
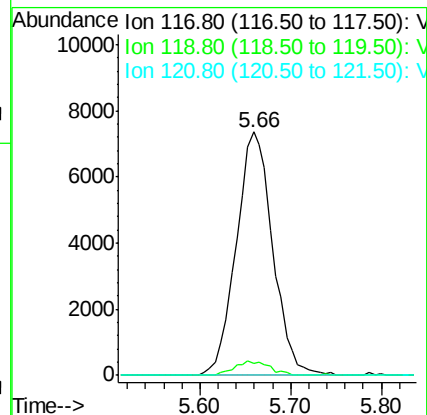
Tot Ion: 117 Resp: 20612

Ion Ratio Lower Upper

117 100

119 4.8 73.8 110.8#

121 0.0 23.6 35.4#



#49

1,4-Dioxane

Concen: 0.287 ug/l

RT: 7.87 min Scan# 1102

Delta R.T. 0.13 min

Lab File: VX009157.D

Acq: 25 Apr 2019 13:12

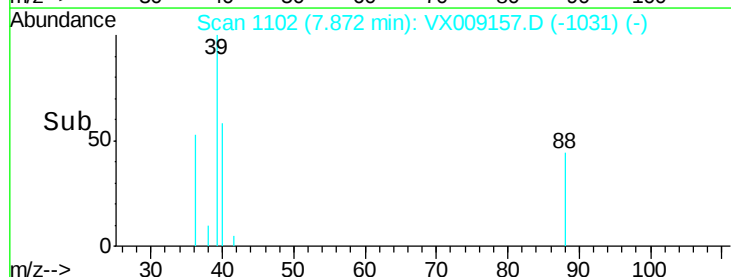
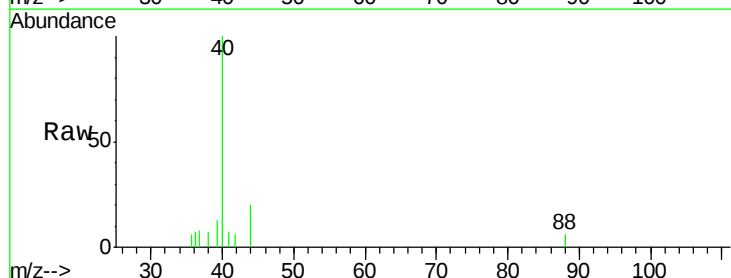
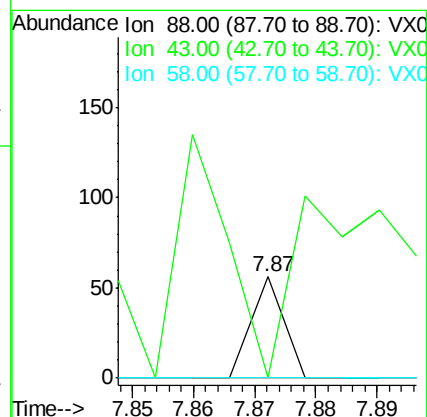
Tgt Ion: 88 Resp: 20

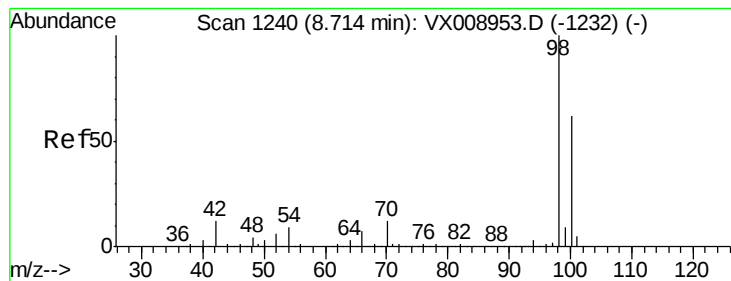
Ion Ratio Lower Upper

88 100

43 620.0 29.3 43.9#

58 0.0 62.6 93.8#





#50

Toluene-d8

Concen: 49.398 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX009157.D

Acq: 25 Apr 2019 13:12

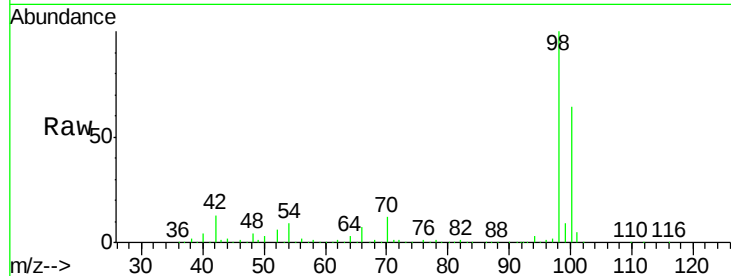
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 98 Resp: 443610

Ion Ratio Lower Upper

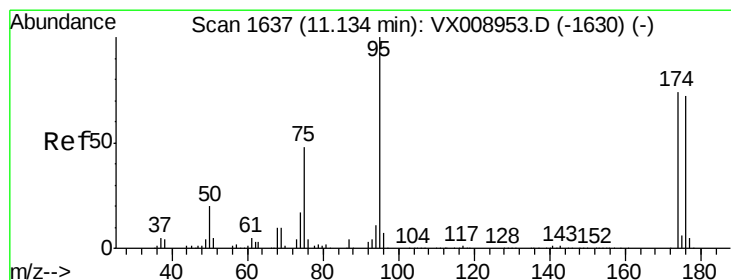
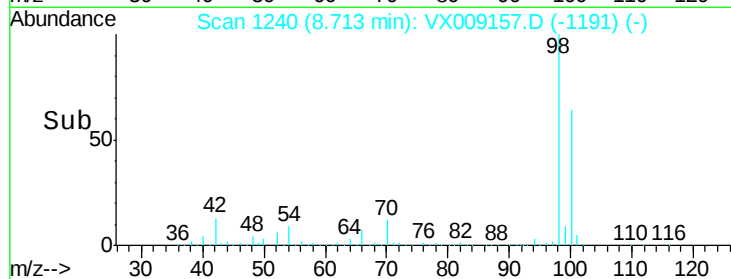
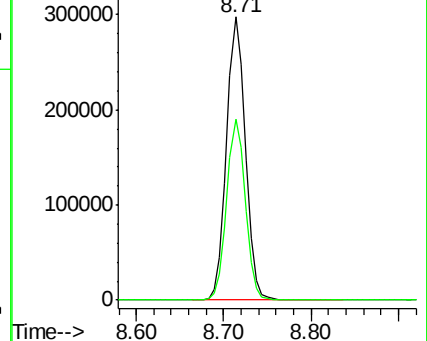
98 100

100 63.5 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#62

4-Bromofluorobenzene

Concen: 46.510 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009157.D

Acq: 25 Apr 2019 13:12

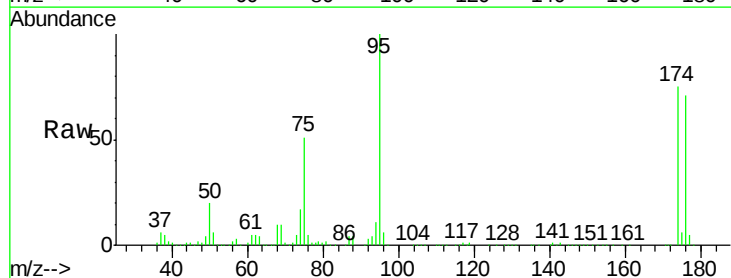
Tgt Ion: 95 Resp: 147442

Ion Ratio Lower Upper

95 100

174 80.1 0.0 159.6

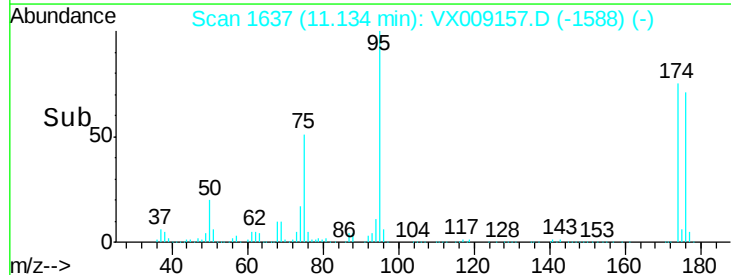
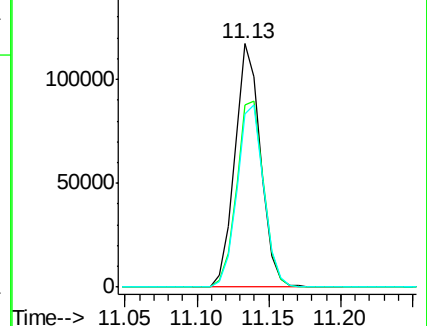
176 77.3 0.0 154.8

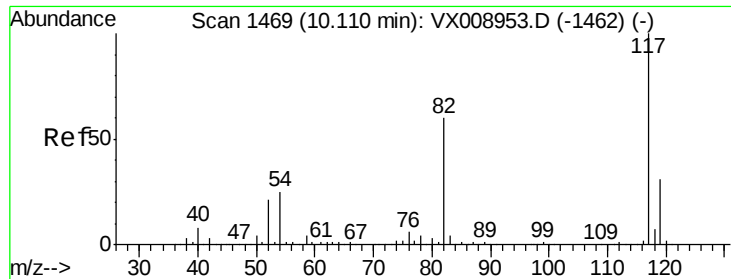


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

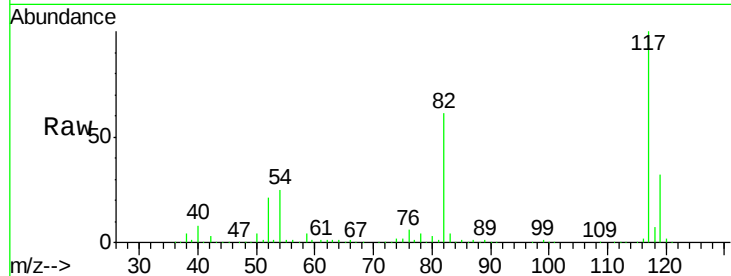




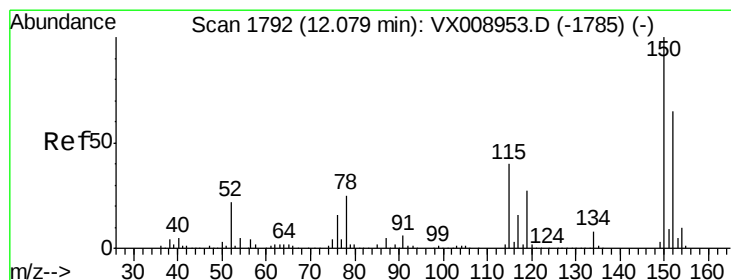
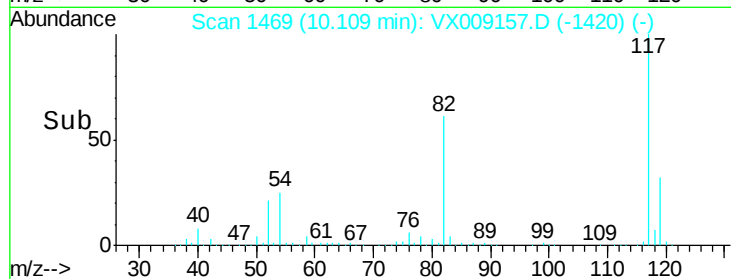
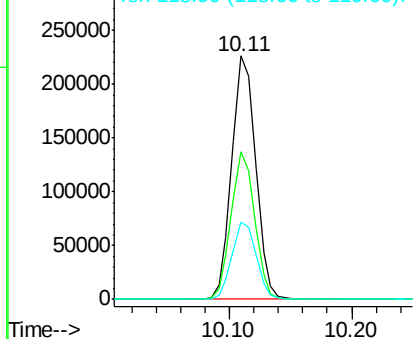
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX009157.D
Acq: 25 Apr 2019 13:12

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 305650
Ion Ratio Lower Upper
117 100
82 60.9 48.2 72.4
119 31.9 25.0 37.6

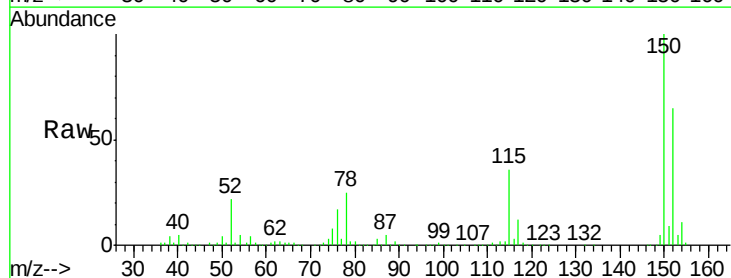


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

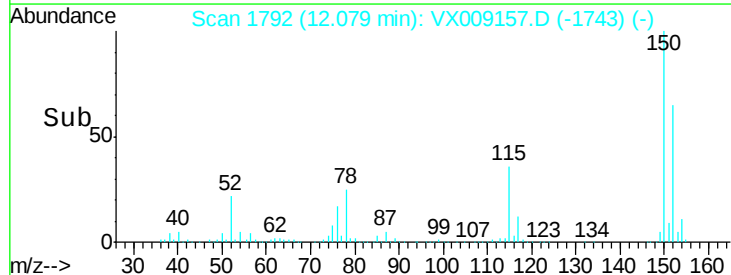
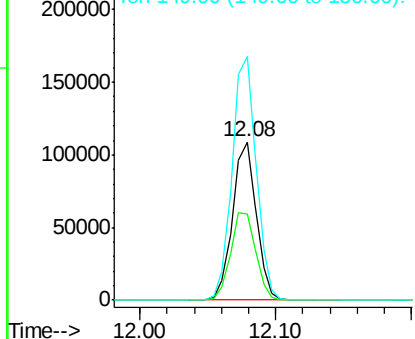


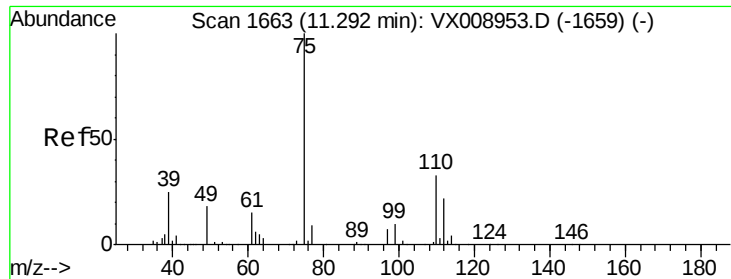
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX009157.D
Acq: 25 Apr 2019 13:12

Tgt Ion:152 Resp: 131964
Ion Ratio Lower Upper
152 100
115 58.9 41.4 124.2
150 156.6 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: 23.439 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009157.D

Acq: 25 Apr 2019 13:12

Instrument :

MSVOA_X

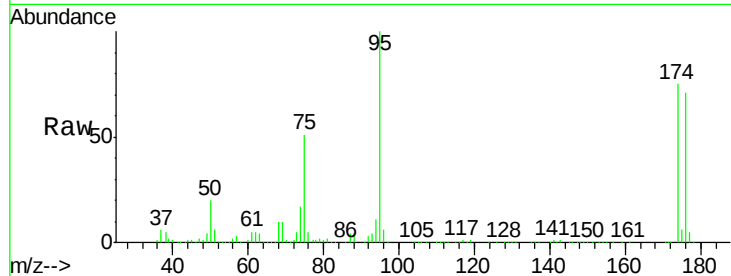
ClientSampleId :

Tot Ion: 75 Resp: 75526

Ion Ratio Lower Upper

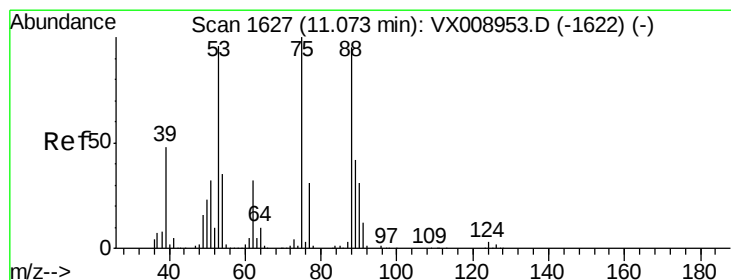
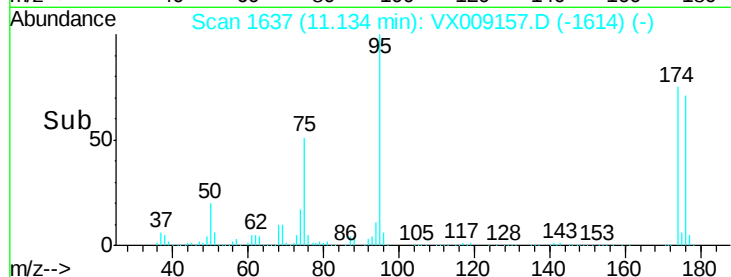
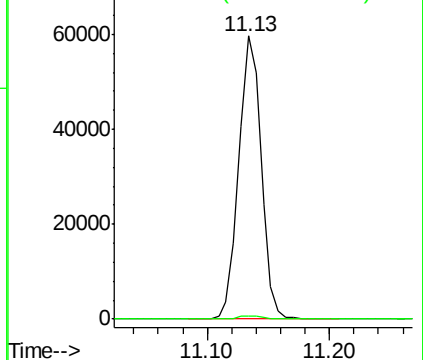
75 100

77 1.2 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: 60.173 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009157.D

Acq: 25 Apr 2019 13:12

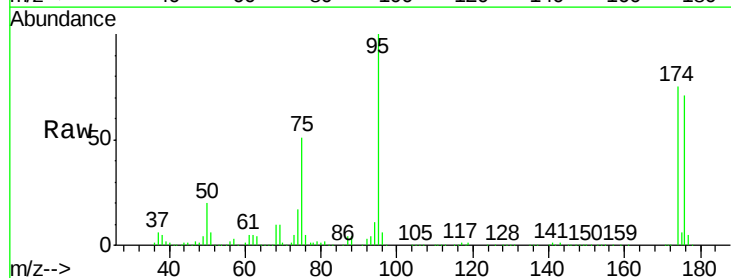
Tgt Ion: 75 Resp: 75526

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

