

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX042519\
 Data File : VX009170.D
 Acq On : 25 Apr 2019 18:16
 Operator : JC/SP
 Sample : K2566-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Apr 26 04:41:11 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

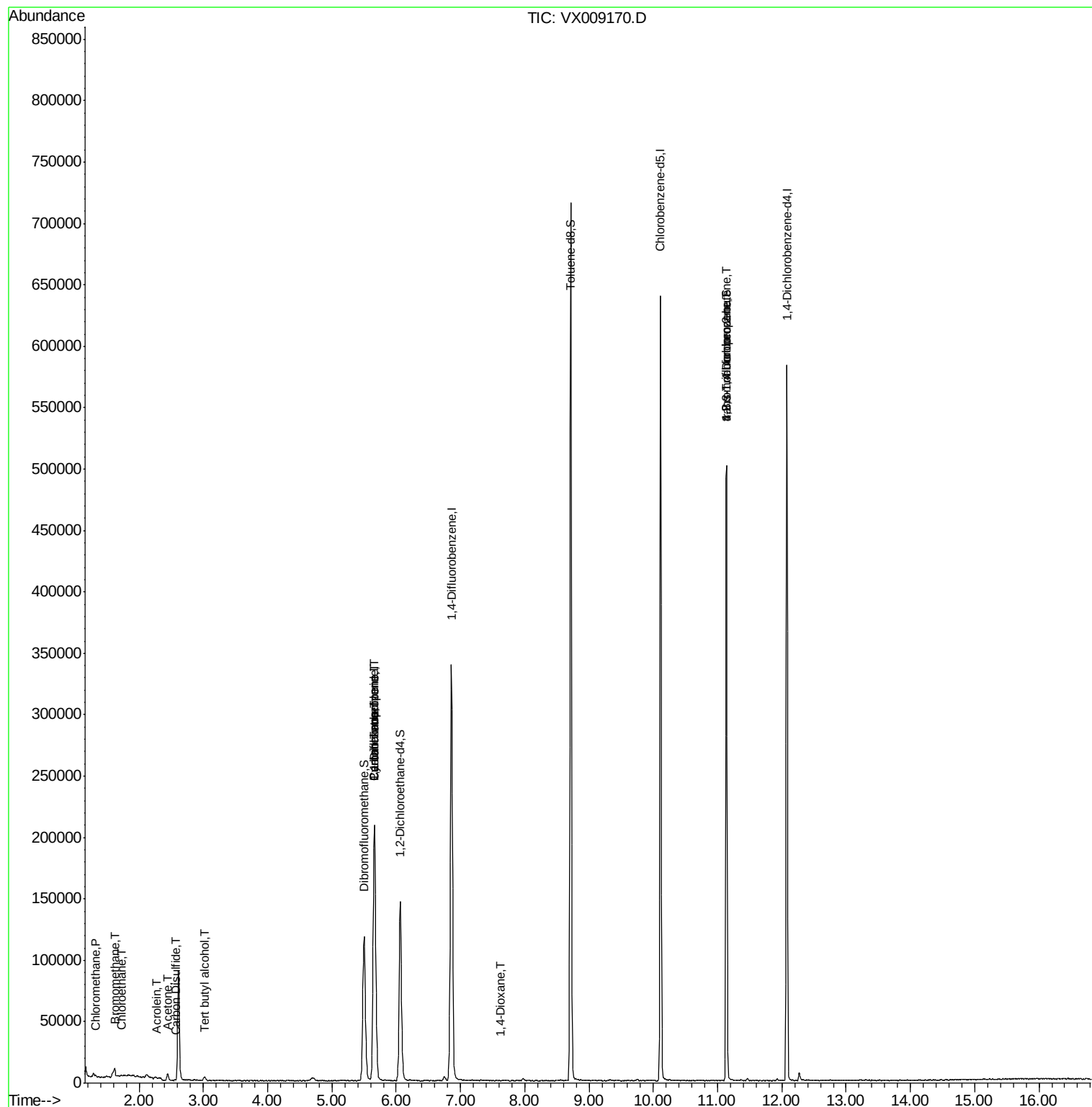
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	204842	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	328708	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	285769	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	117549	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	136265	47.20	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.40%	
35) Dibromofluoromethane	5.50	113	100879	47.82	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.64%	
50) Toluene-d8	8.71	98	412305	49.01	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.02%	
62) 4-Bromofluorobenzene	11.13	95	134534	45.30	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.60%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.33	50	771	0.266	ug/l #	70
5) Bromomethane	1.63	94	340	4.026	ug/l	85
6) Chloroethane	1.73	64	4765	2.874	ug/l #	47
11) Tert butyl alcohol	3.01	59	2001	3.123	ug/l #	79
13) Acrolein	2.28	56	138	0.249	ug/l #	1
16) Acetone	2.45	43	6607	4.413	ug/l	95
17) Carbon Disulfide	2.57	76	505	1.329	ug/l #	75
28) Bromochloromethane	5.01	49	47	Below Cal	#	21
31) Cyclohexane	5.67	56	4528	0.985	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	16387	4.820	ug/l #	50
38) Carbon Tetrachloride	5.66	117	19469	6.755	ug/l #	19
49) 1,4-Dioxane	7.62	88	21	0.322	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	68923	24.012	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	68923	61.646	ug/l #	11

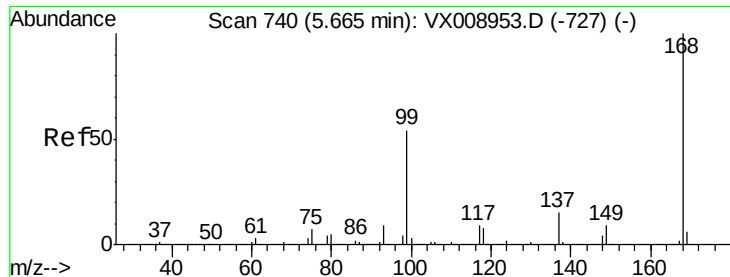
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Apr 17 06:47:58 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX009170.D

Acq: 25 Apr 2019 18:16

Instrument :

MSVOA_X

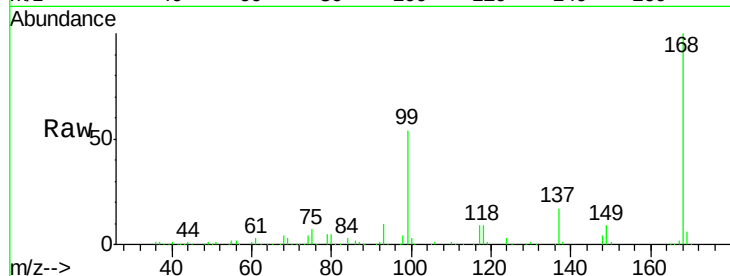
ClientSampleId :

Tot Ion:168 Resp: 204842

Ion Ratio Lower Upper

168 100

99 53.6 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

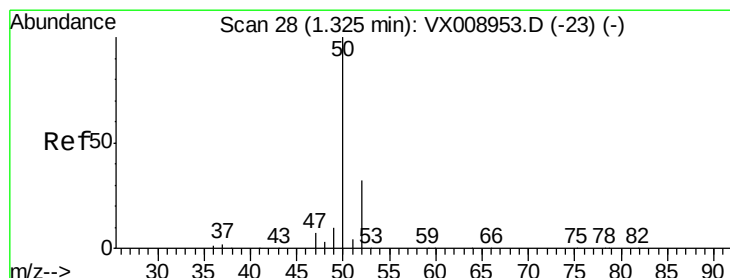
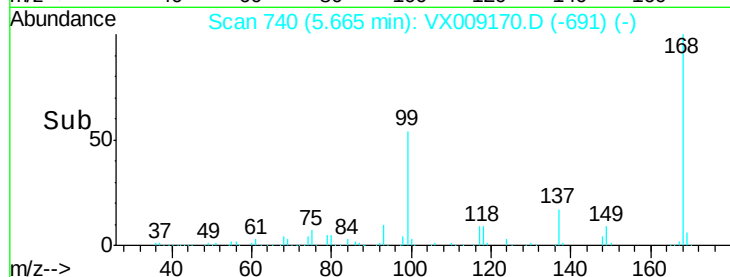
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.266 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX009170.D

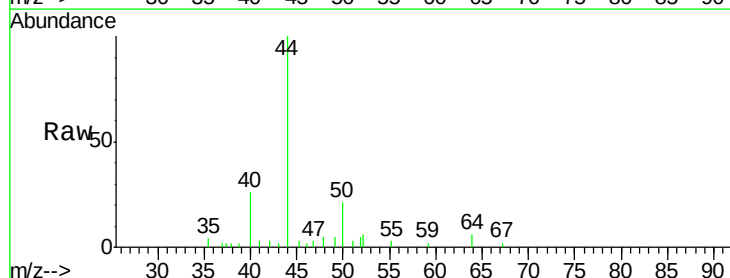
Acq: 25 Apr 2019 18:16

Tgt Ion: 50 Resp: 771

Ion Ratio Lower Upper

50 100

52 48.7 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

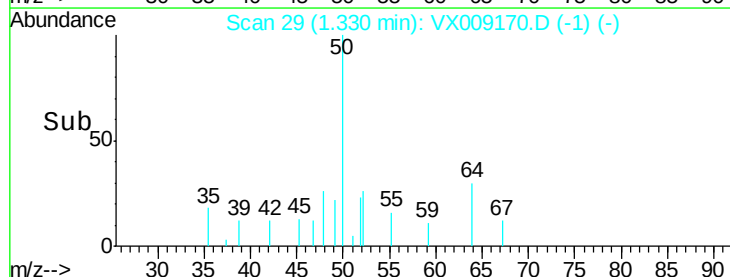
600

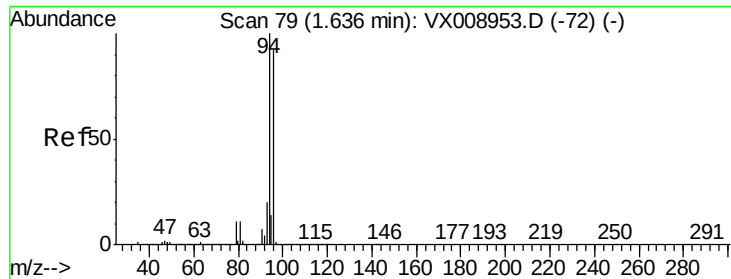
400

200

0

Time--> 1.30 1.35





#5

Bromomethane

Concen: 4.026 ug/l

RT: 1.63 min Scan# 78

Delta R.T. -0.01 min

Lab File: VX009170.D

Acq: 25 Apr 2019 18:16

Instrument :

MSVOA_X

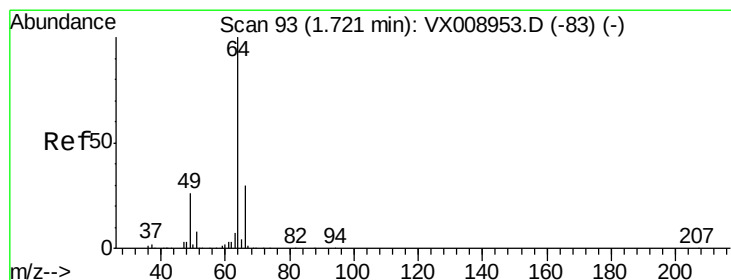
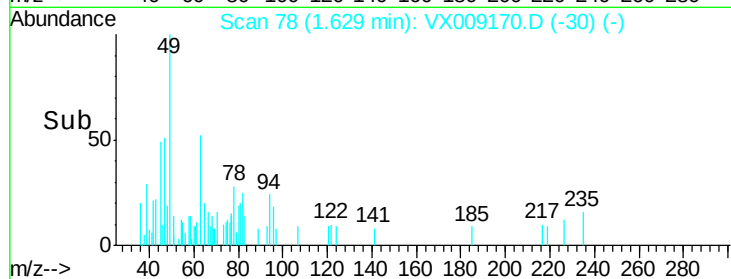
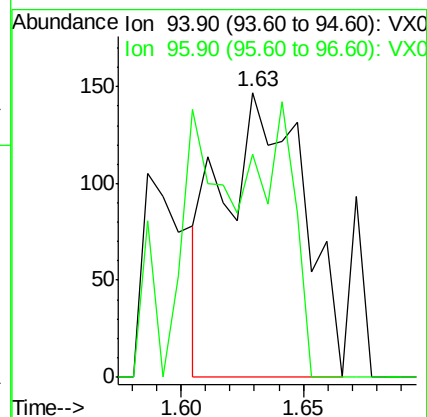
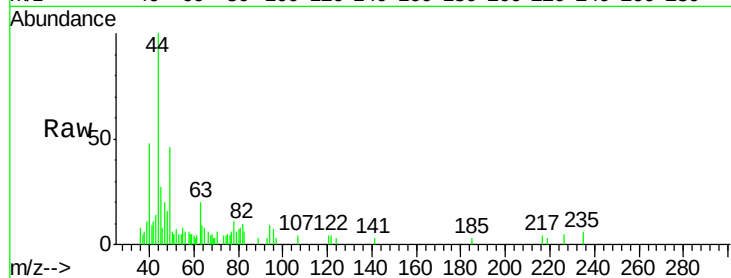
ClientSampleId :

Tot Ion: 94 Resp: 340

Ion Ratio Lower Upper

94 100

96 78.2 73.9 110.9



#6

Chloroethane

Concen: 2.874 ug/l

RT: 1.73 min Scan# 94

Delta R.T. 0.01 min

Lab File: VX009170.D

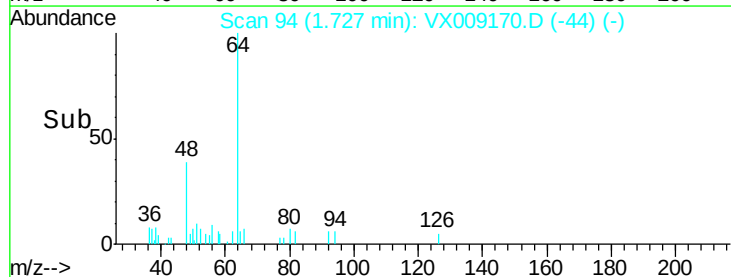
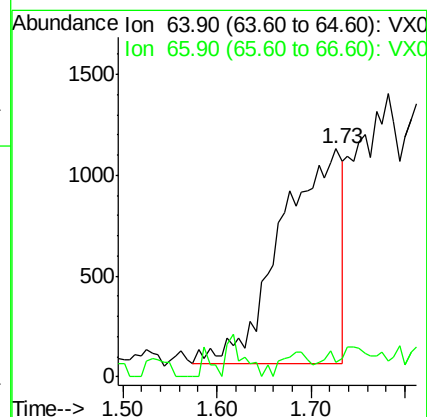
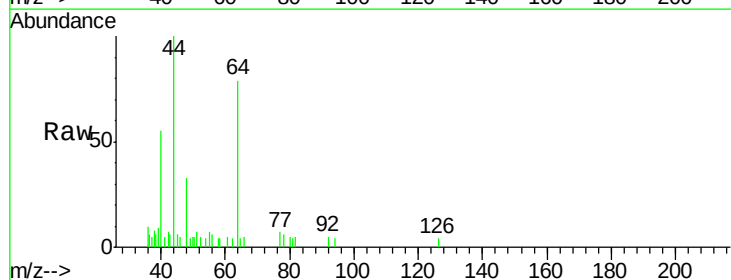
Acq: 25 Apr 2019 18:16

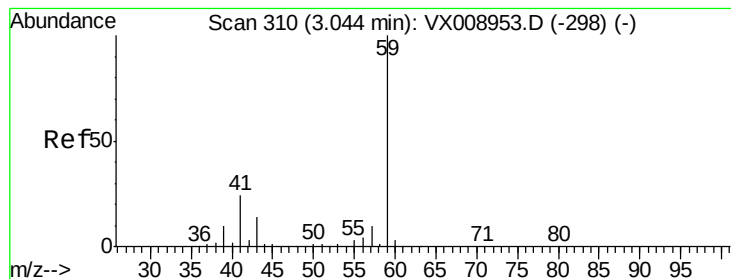
Tgt Ion: 64 Resp: 4765

Ion Ratio Lower Upper

64 100

66 1.5 24.2 36.2#



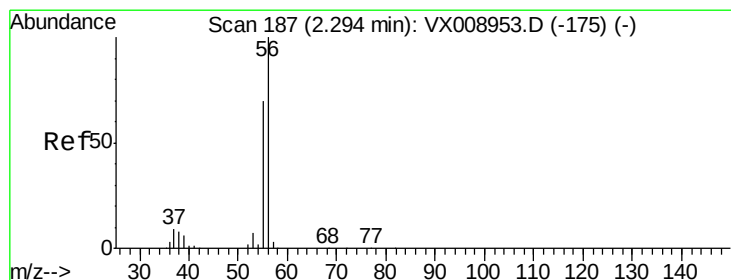
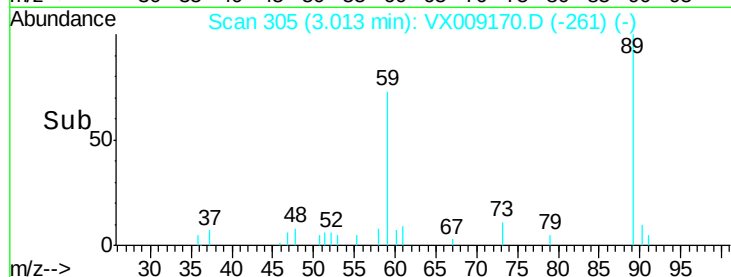
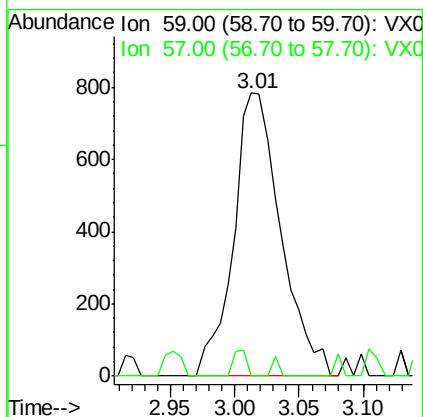
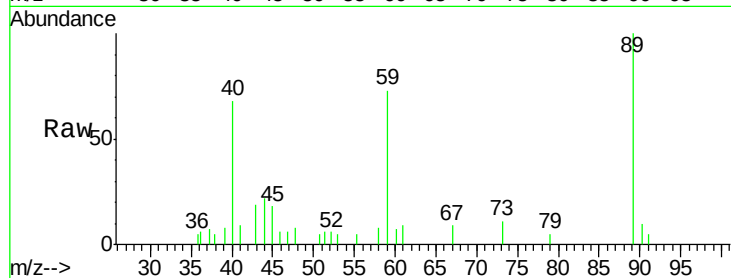


#11

Tert butyl alcohol
 Concen: 3.123 ug/l
 RT: 3.01 min Scan# 305
 Delta R.T. -0.03 min
 Lab File: VX009170.D
 Acq: 25 Apr 2019 18:16

Instrument :
 MSVOA_X
 ClientSampled :

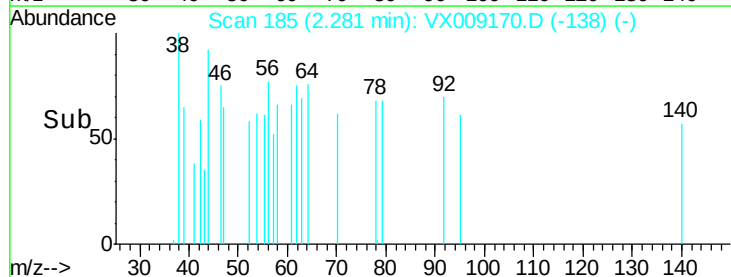
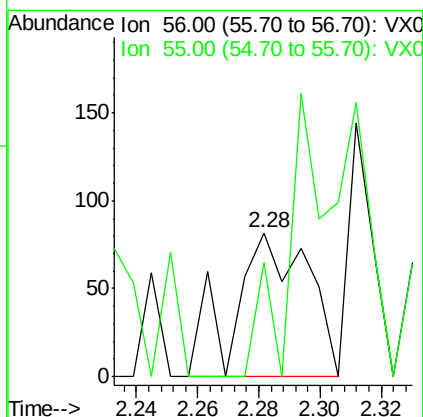
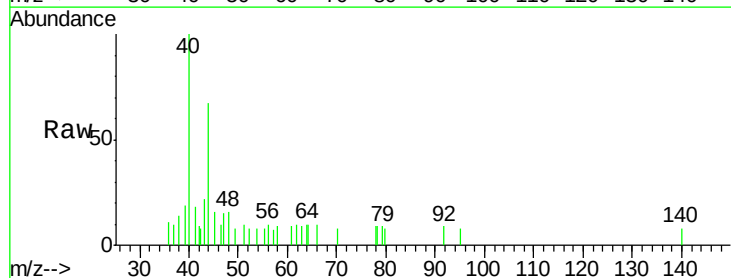
Tot Ion: 59 Resp: 2001
 Ion Ratio Lower Upper
 59 100
 57 2.6 8.4 12.6#

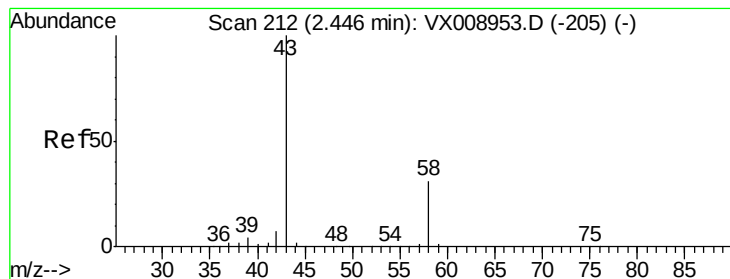


#13

Acrolein
 Concen: 0.249 ug/l
 RT: 2.28 min Scan# 185
 Delta R.T. -0.01 min
 Lab File: VX009170.D
 Acq: 25 Apr 2019 18:16

Tgt Ion: 56 Resp: 138
 Ion Ratio Lower Upper
 56 100
 55 168.8 56.6 84.8#





#16

Acetone

Concen: 4.413 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX009170.D

Acq: 25 Apr 2019 18:16

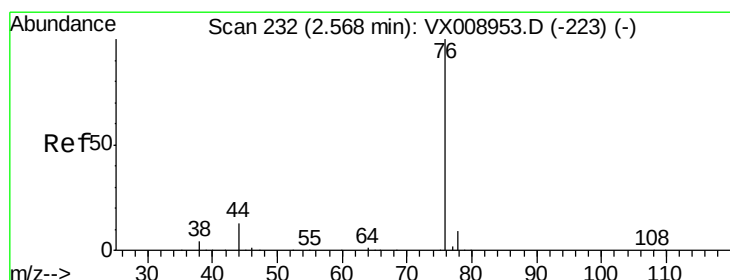
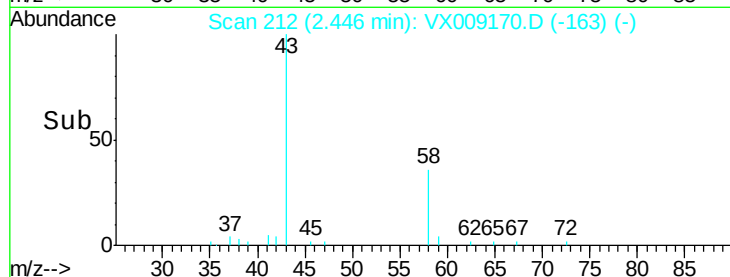
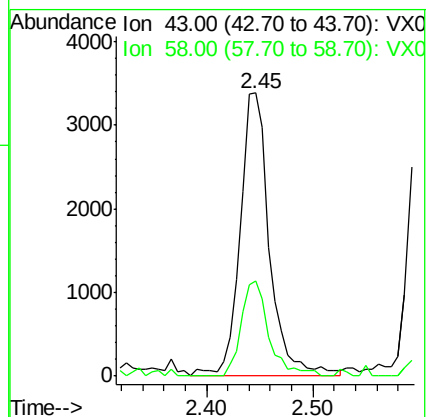
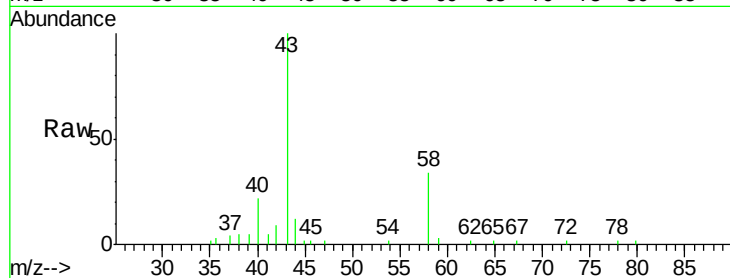
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 43 Resp: 6607

Ion Ratio Lower Upper

43 100

58 33.7 24.8 37.2



#17

Carbon Disulfide

Concen: 1.329 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX009170.D

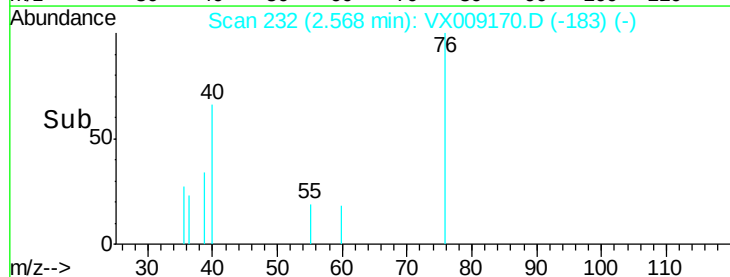
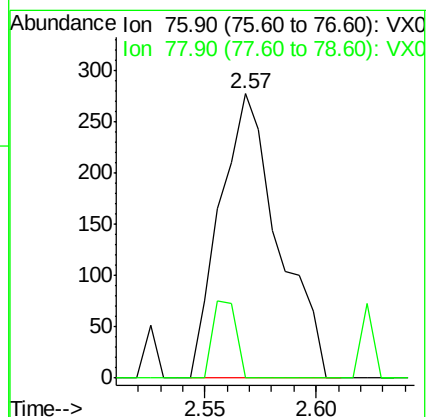
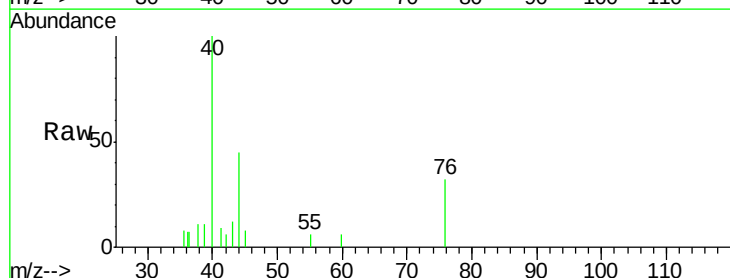
Acq: 25 Apr 2019 18:16

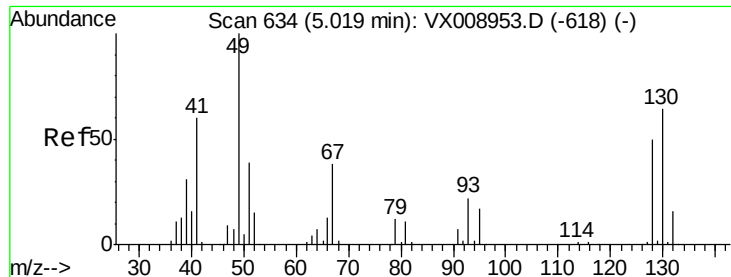
Tgt Ion: 76 Resp: 505

Ion Ratio Lower Upper

76 100

78 0.0 7.2 10.8#





#28

Bromochloromethane

Concen: Below Cal

RT: 5.01 min Scan# 633

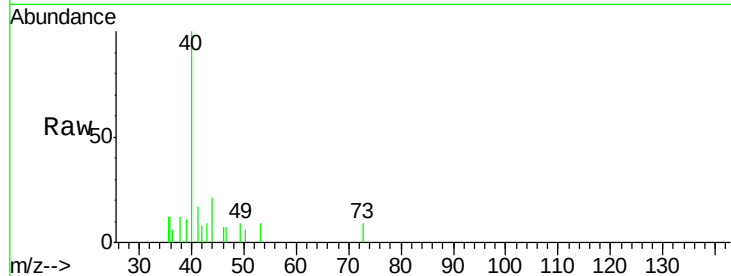
Delta R.T. -0.01 min

Lab File: VX009170.D

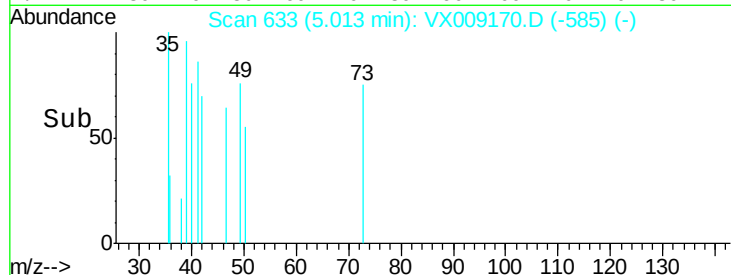
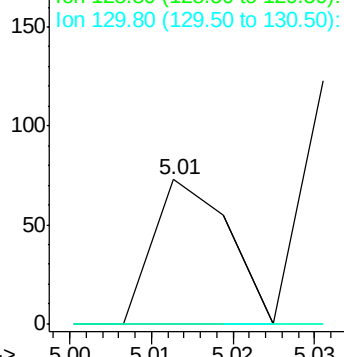
Acq: 25 Apr 2019 18:16

Instrument :
MSVOA_X
ClientSampleId :

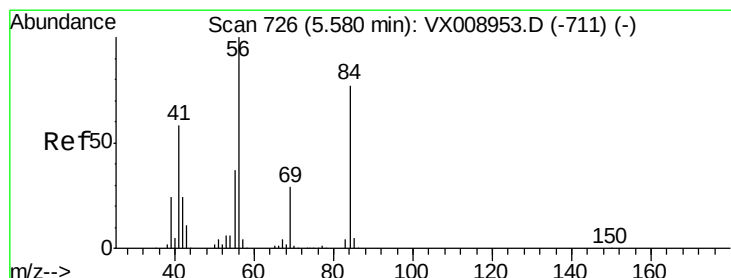
Tot Ion: 49 Resp: 47
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.6
130 0.0 50.4 75.6#



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



Time-->



#31

Cyclohexane

Concen: 0.985 ug/l

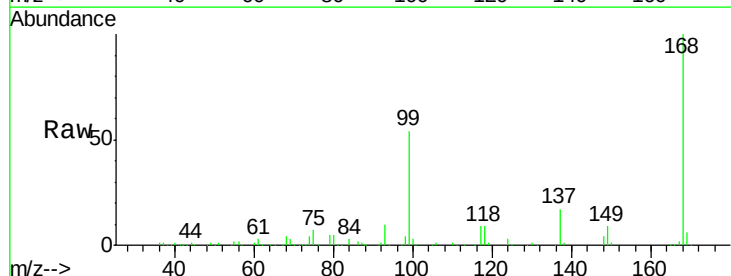
RT: 5.67 min Scan# 740

Delta R.T. 0.09 min

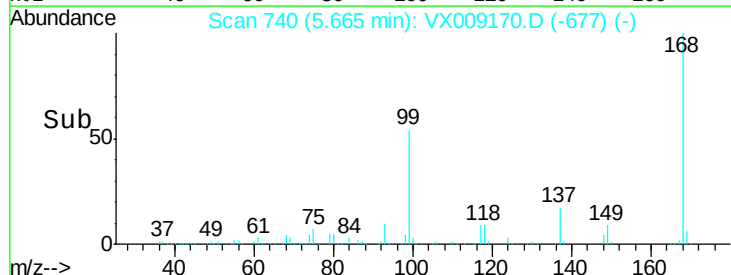
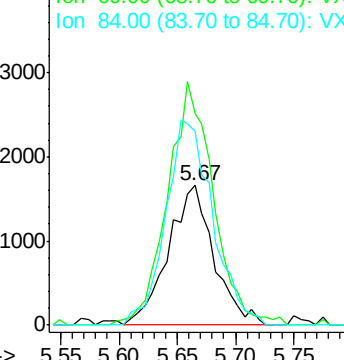
Lab File: VX009170.D

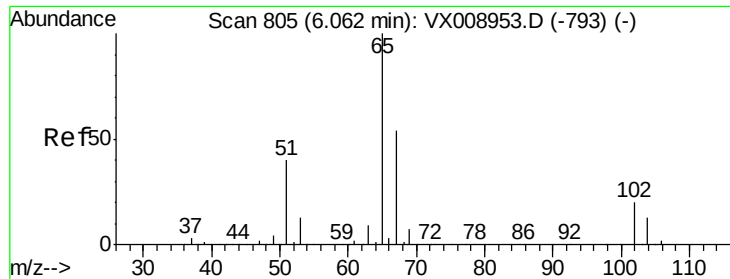
Acq: 25 Apr 2019 18:16

Tgt Ion: 56 Resp: 4528
Ion Ratio Lower Upper
56 100
69 148.5 23.3 34.9#
84 139.1 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

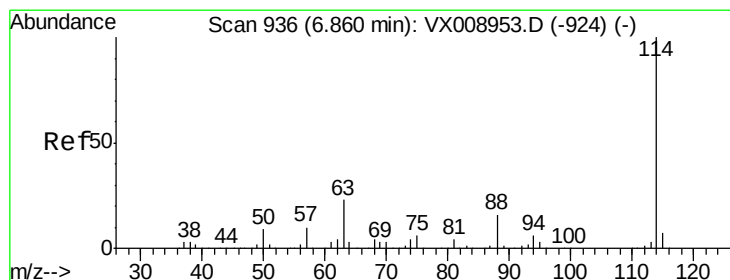
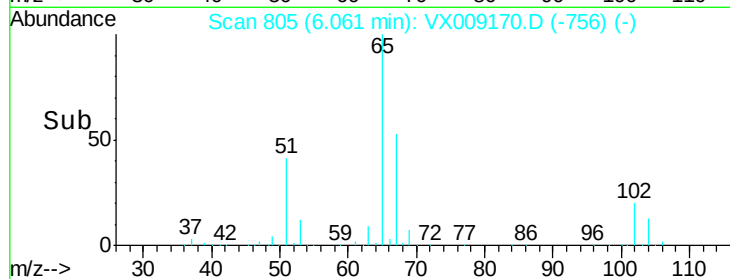
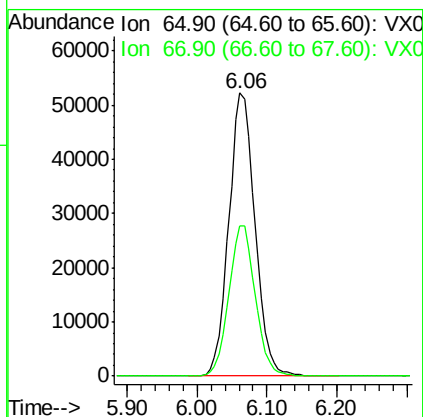
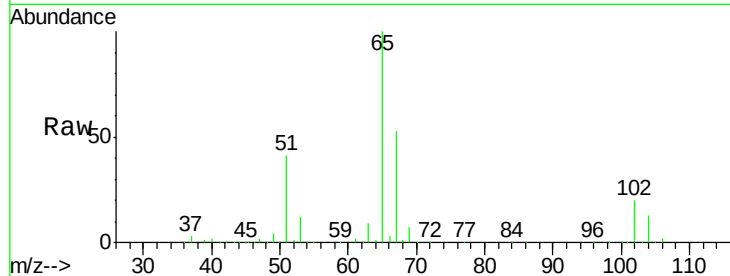




#33
 1,2-Dichloroethane-d4
 Concen: 47.203 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX009170.D
 Acq: 25 Apr 2019 18:16

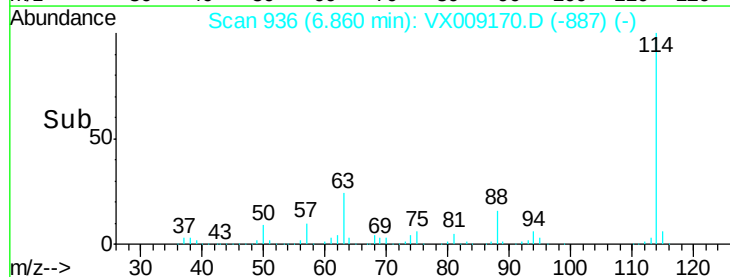
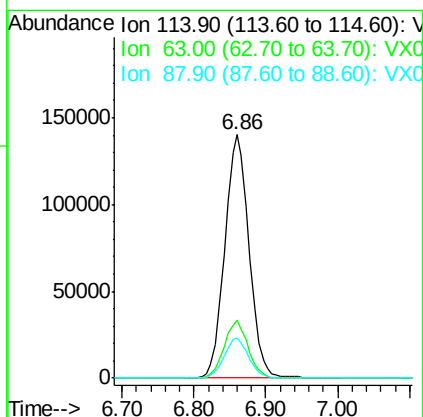
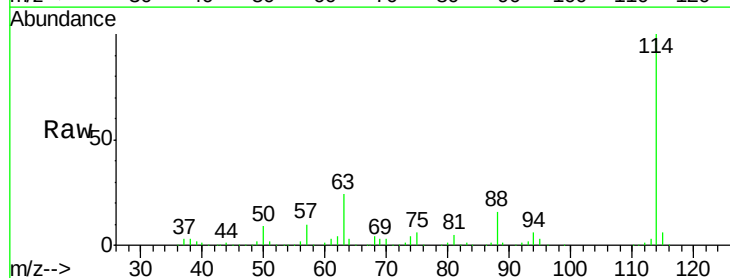
Instrument :
 MSVOA_X
 ClientSampleId :

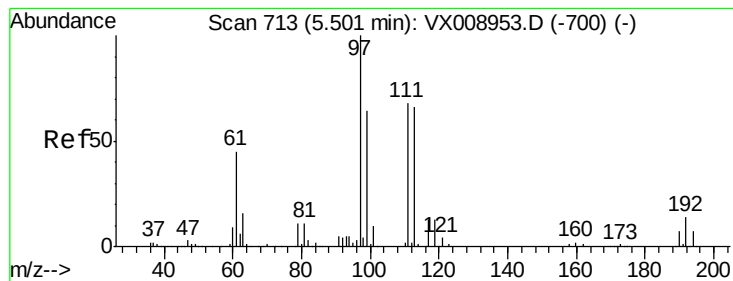
Tot Ion: 65 Resp: 136265
 Ion Ratio Lower Upper
 65 100
 67 53.4 0.0 108.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX009170.D
 Acq: 25 Apr 2019 18:16

Tgt Ion: 114 Resp: 328708
 Ion Ratio Lower Upper
 114 100
 63 23.6 0.0 46.0
 88 16.3 0.0 32.6





#35

Dibromofluoromethane

Concen: 47.820 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX009170.D

Acq: 25 Apr 2019 18:16

Instrument :

MSVOA_X

ClientSampleId :

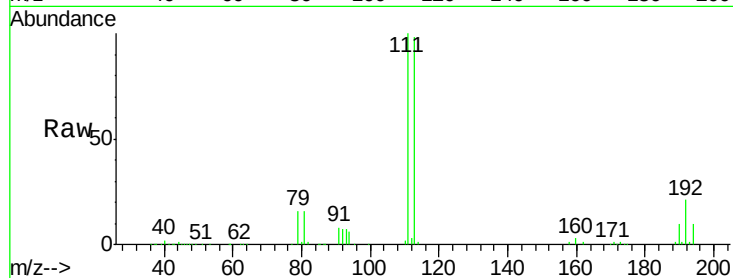
Tot Ion:113 Resp: 100879

Ion Ratio Lower Upper

113 100

111 102.2 82.9 124.3

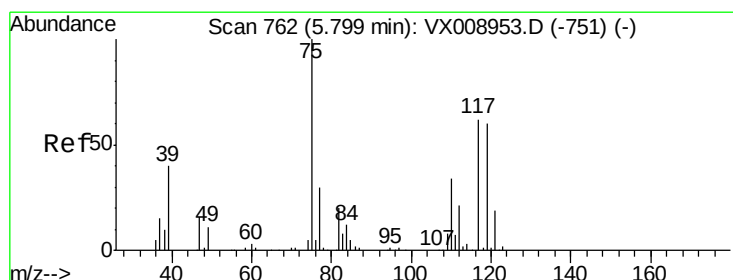
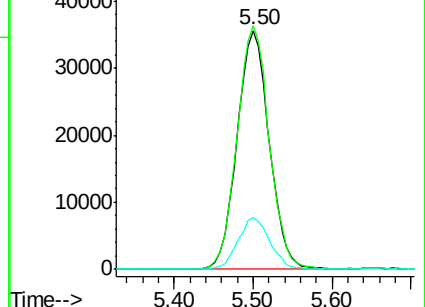
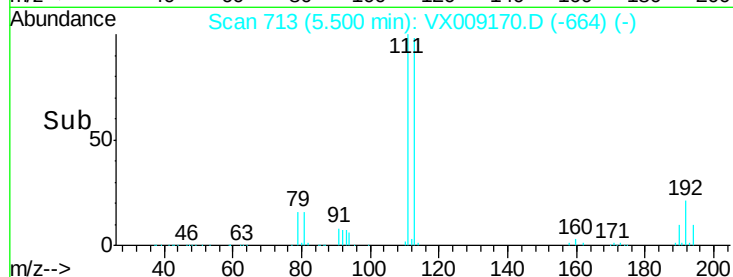
192 21.4 17.4 26.0



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: 4.820 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX009170.D

Acq: 25 Apr 2019 18:16

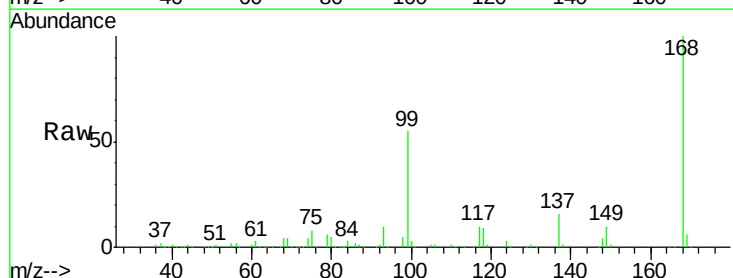
Tgt Ion: 75 Resp: 16387

Ion Ratio Lower Upper

75 100

110 8.3 16.9 50.7#

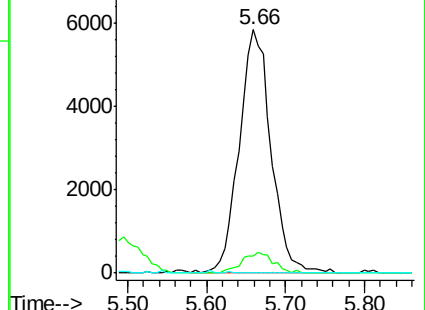
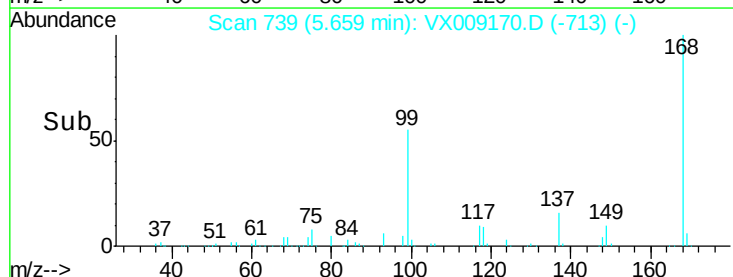
77 0.0 25.0 37.4#

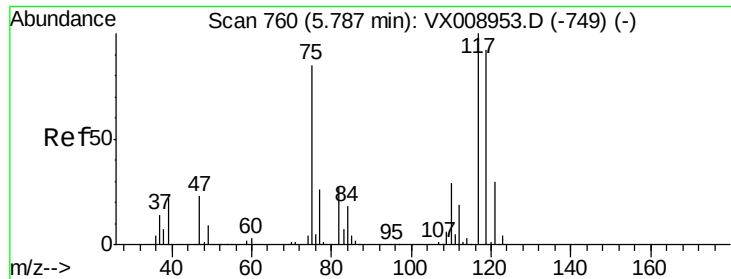


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.755 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX009170.D

Acq: 25 Apr 2019 18:16

Instrument :

MSVOA_X

ClientSampled :

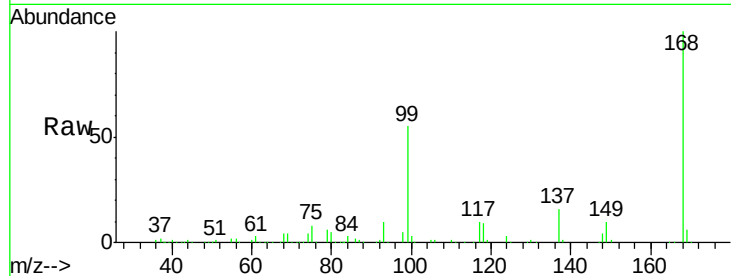
Tot Ion:117 Resp: 19469

Ion Ratio Lower Upper

117 100

119 7.2 73.8 110.8#

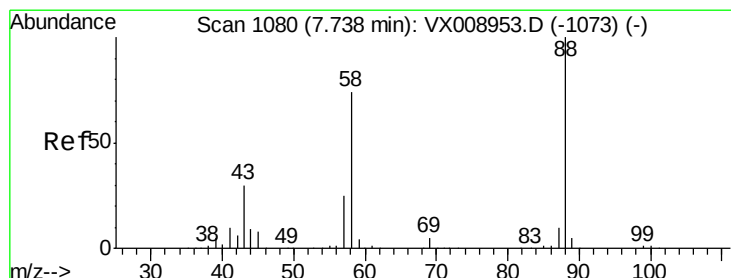
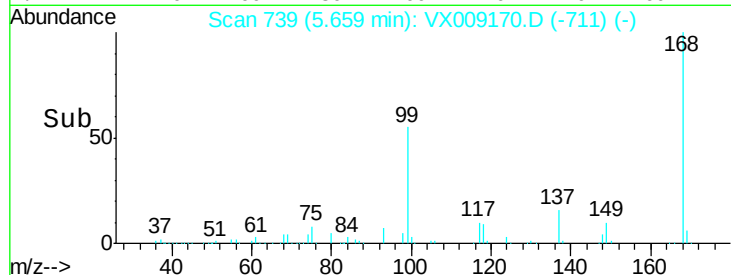
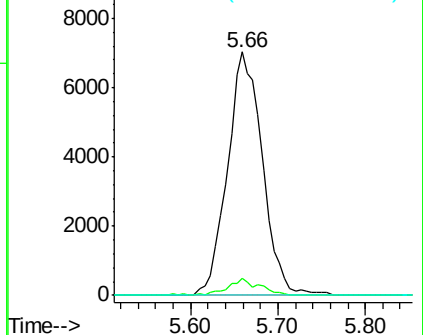
121 0.0 23.6 35.4#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#49

1,4-Dioxane

Concen: 0.322 ug/l

RT: 7.62 min Scan# 1060

Delta R.T. -0.12 min

Lab File: VX009170.D

Acq: 25 Apr 2019 18:16

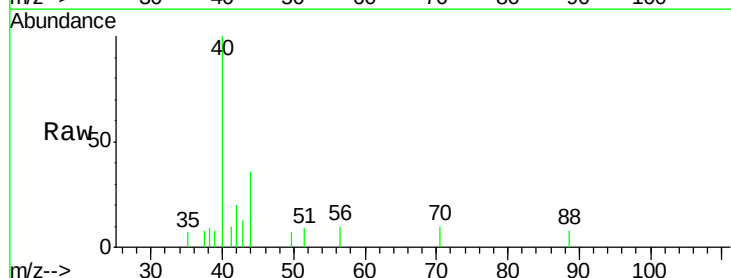
Tgt Ion: 88 Resp: 21

Ion Ratio Lower Upper

88 100

43 709.5 29.3 43.9#

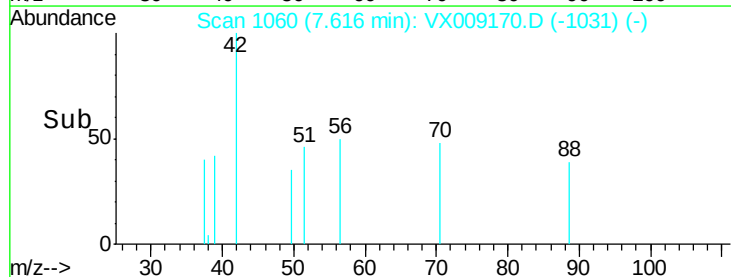
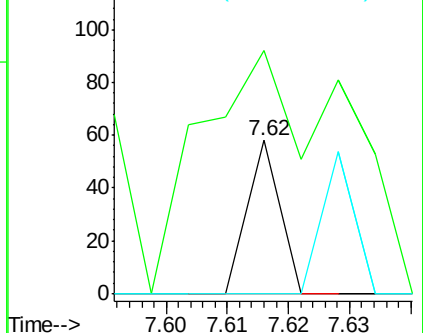
58 95.2 62.6 93.8#

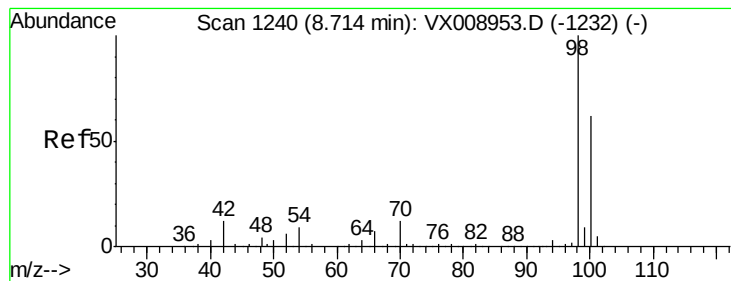


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 49.008 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX009170.D

Acq: 25 Apr 2019 18:16

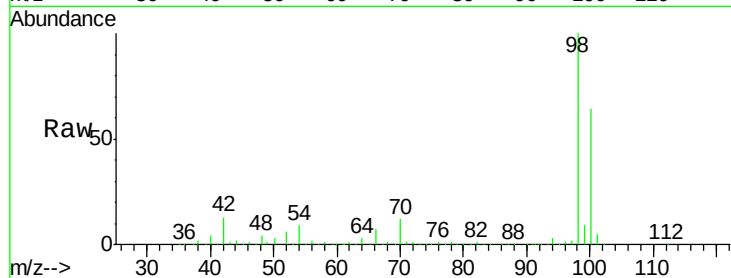
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 98 Resp: 412305

Ion Ratio Lower Upper

98 100

100 64.1 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

300000

250000

200000

150000

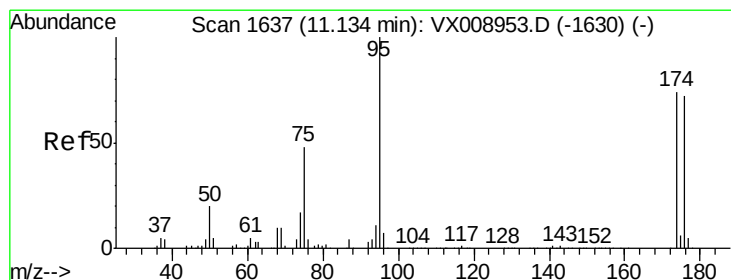
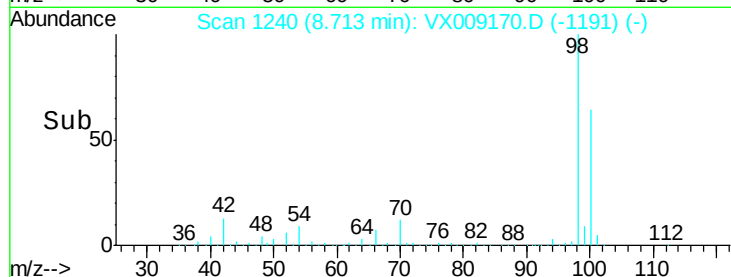
100000

50000

0

8.60 8.70 8.80 8.90

Time-->



#62

4-Bromofluorobenzene

Concen: 45.300 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009170.D

Acq: 25 Apr 2019 18:16

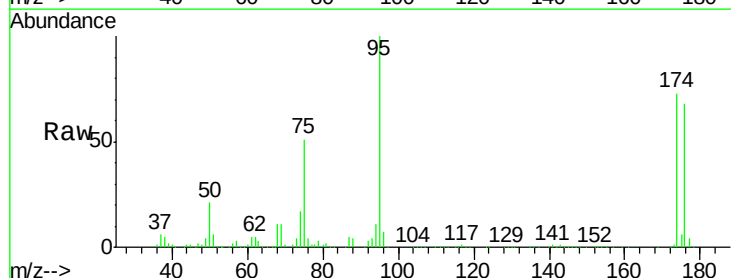
Tgt Ion: 95 Resp: 134534

Ion Ratio Lower Upper

95 100

174 80.6 0.0 159.6

176 77.6 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

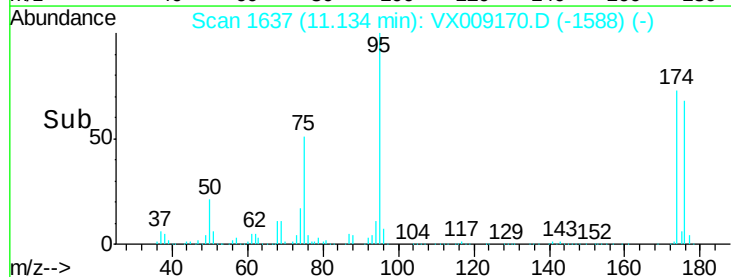
100000

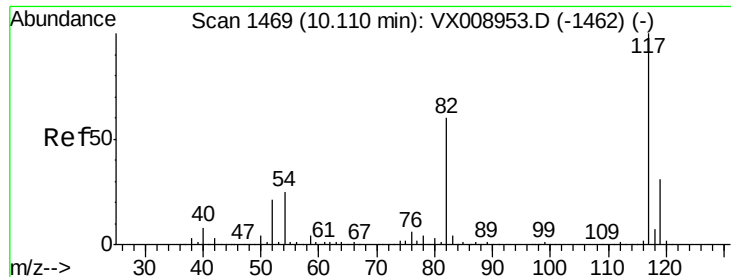
50000

0

11.10 11.20

Time-->

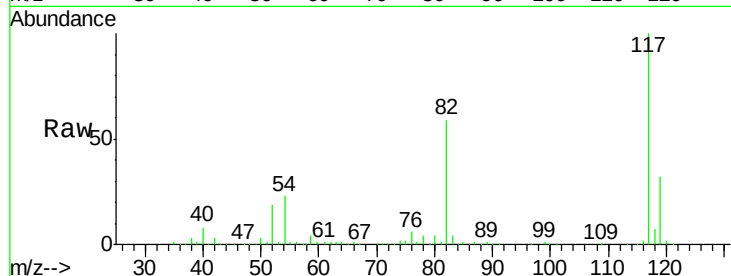




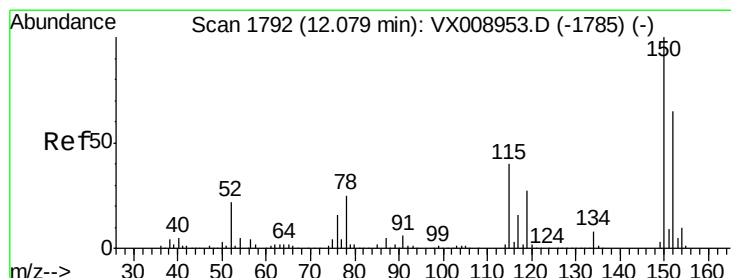
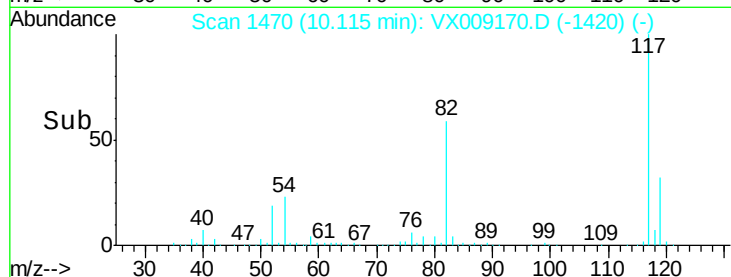
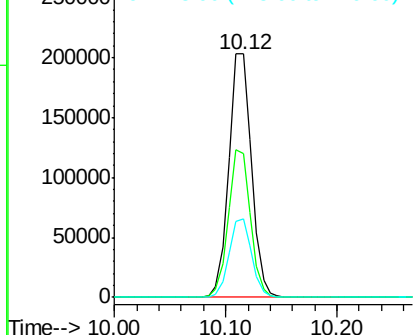
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX009170.D
Acq: 25 Apr 2019 18:16

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:117 Resp: 285769
Ion Ratio Lower Upper
117 100
82 59.2 48.2 72.4
119 32.4 25.0 37.6

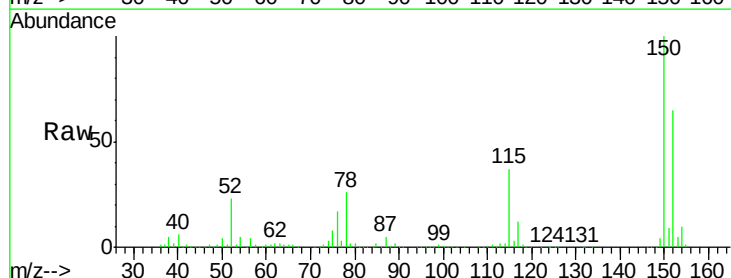


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

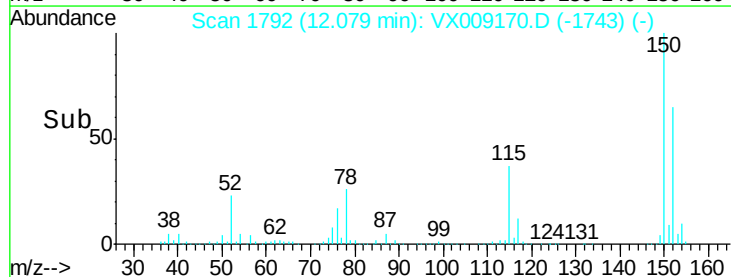
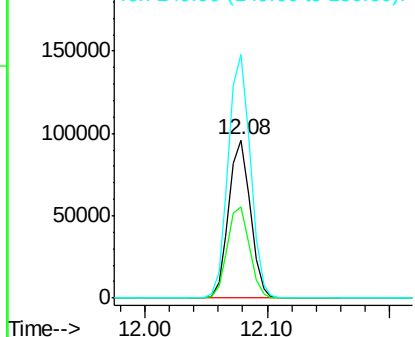


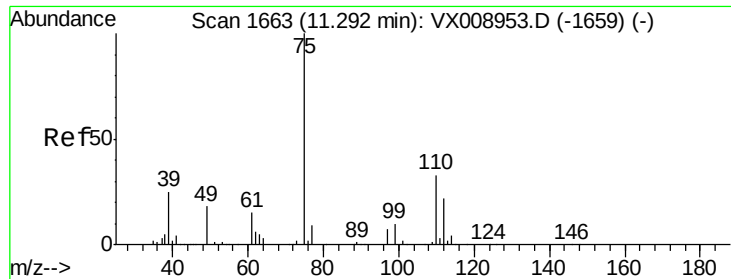
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX009170.D
Acq: 25 Apr 2019 18:16

Tgt Ion:152 Resp: 117549
Ion Ratio Lower Upper
152 100
115 59.1 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: 24.012 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009170.D

Acq: 25 Apr 2019 18:16

Instrument :

MSVOA_X

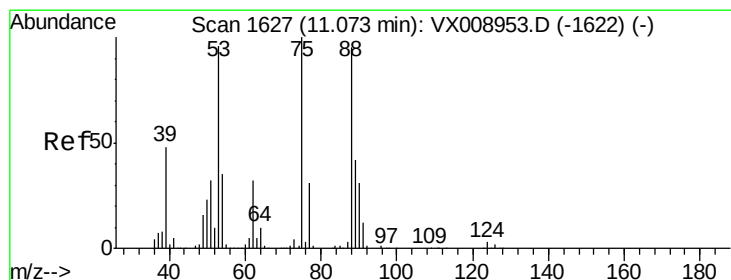
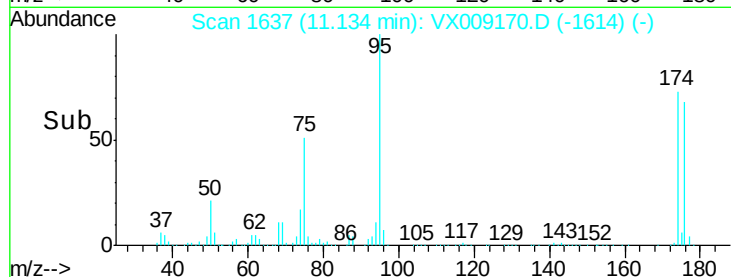
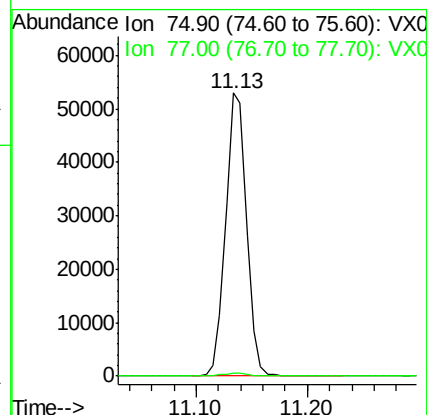
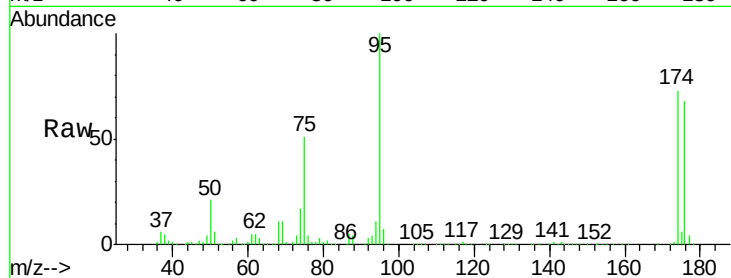
ClientSampleId :

Tot Ion: 75 Resp: 68923

Ion Ratio Lower Upper

75 100

77 1.3 22.7 68.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 61.646 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009170.D

Acq: 25 Apr 2019 18:16

Tgt Ion: 75 Resp: 68923

Ion Ratio Lower Upper

75 100

53 0.2 78.2 117.4#

89 0.0 36.0 54.0#

