

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062718\
 Data File : VX002953.D
 Acq On : 27 Jun 2018 23:34
 Operator : JC/MD
 Sample : VX0627WBL02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 28 06:02:03 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 14:38:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	263018	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	372563	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	344981	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	195776	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	177631	48.86	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.72%	
35) Dibromofluoromethane	5.51	113	140416	47.59	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.18%	
50) Toluene-d8	8.72	98	521218	48.38	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.76%	
62) 4-Bromofluorobenzene	11.14	95	184197	44.33	ug/l	0.00
Spiked Amount 50.000			Recovery	=	88.66%	

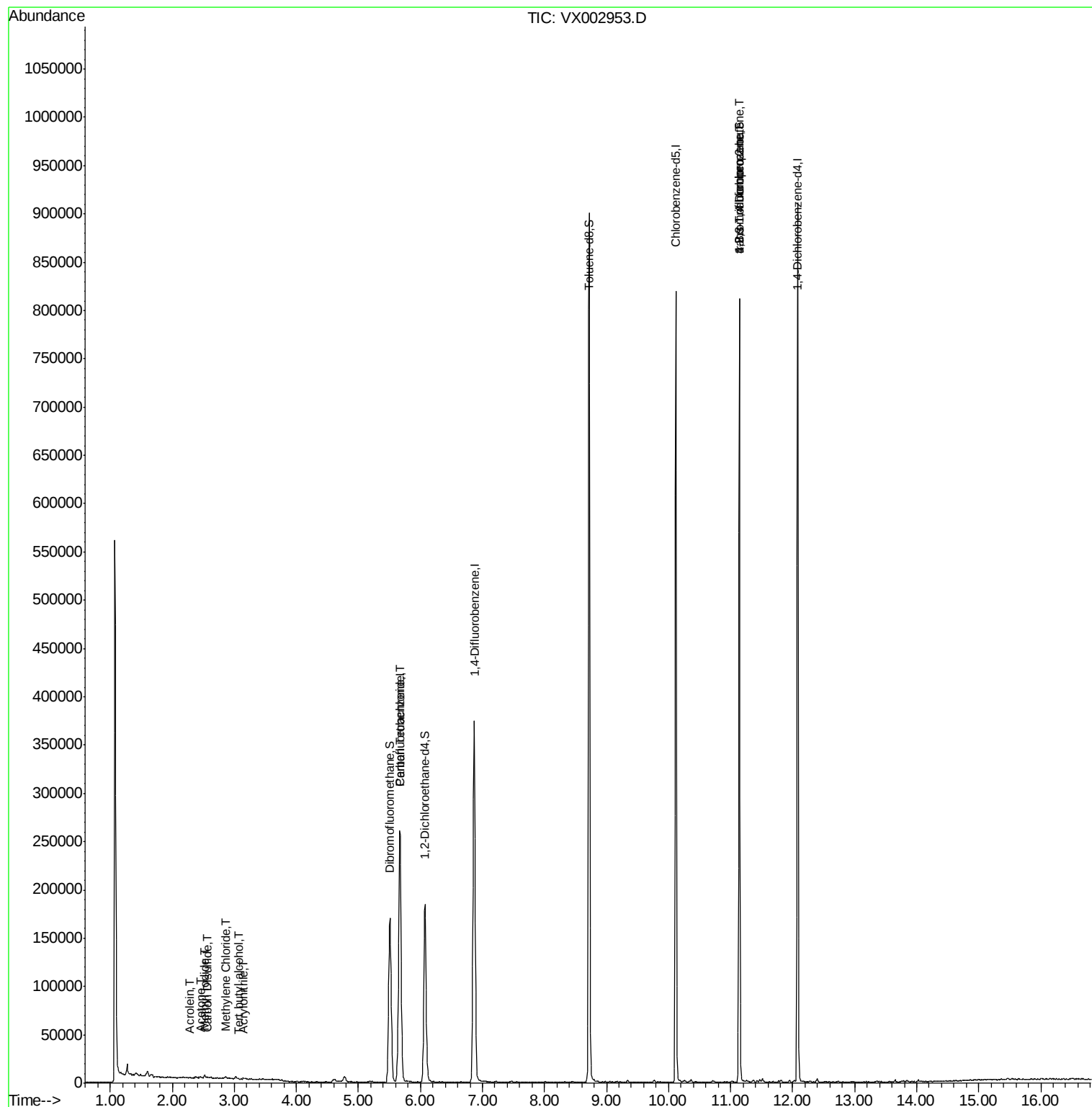
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	265	Below Cal		78
3) Chloromethane	1.32	50	757	Below Cal	#	70
5) Bromomethane	1.67	94	2047	Below Cal		95
6) Chloroethane	1.71	64	146	Below Cal	#	43
10) Methyl Iodide	2.53	142	2706	7.03	ug/l	# 95
11) Tert butyl alcohol	3.07	59	185	0.26	ug/l	# 1
13) Acrolein	2.29	56	133	4.55	ug/l	# 73
15) Acrylonitrile	3.15	53	354	0.23	ug/l	# 48
16) Acetone	2.45	43	949	0.63	ug/l	# 75
17) Carbon Disulfide	2.57	76	1932	0.28	ug/l	96
20) Methylene Chloride	2.87	84	756	0.26	ug/l	88
38) Carbon Tetrachloride	5.67	117	24063	5.37	ug/l	# 16
76) 1,2,3-Trichloropropane	11.14	75	96964	27.34	ug/l	# 33
81) trans-1,4-Dichloro-2-buten	11.14	75	96964	77.36	ug/l	# 7

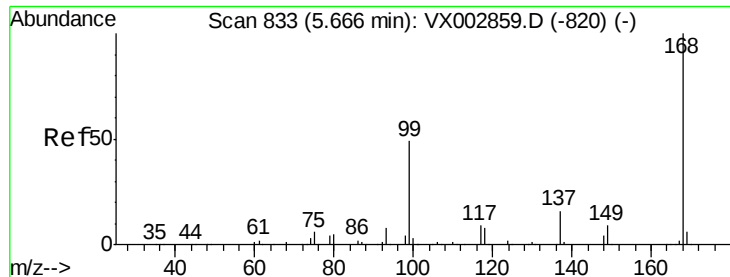
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX062718\
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.00 min

Lab File: VX002953.D

Acq: 27 Jun 2018 23:34

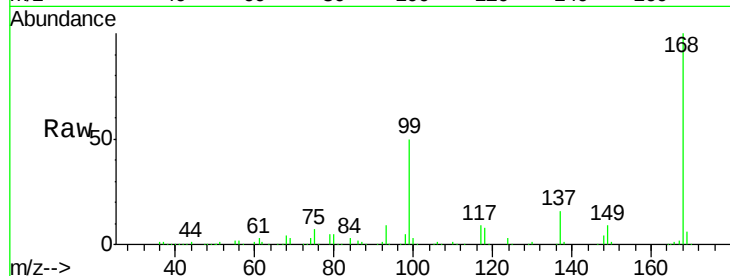
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 263018

Ion Ratio Lower Upper

168 100

99 50.0 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

60000

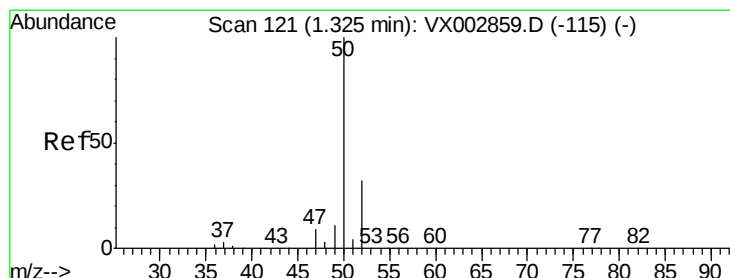
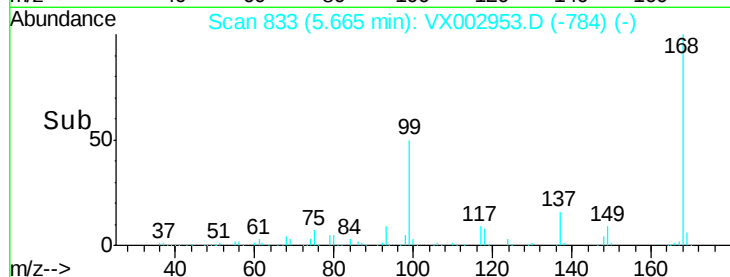
40000

20000

0

Time-->

5.60 5.70 5.80



#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX002953.D

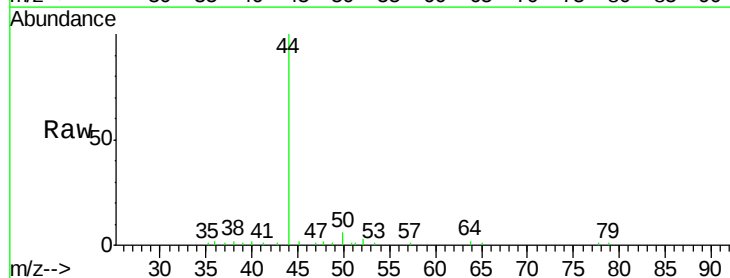
Acq: 27 Jun 2018 23:34

Tgt Ion: 50 Resp: 757

Ion Ratio Lower Upper

50 100

52 48.9 25.7 38.5#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

500

400

300

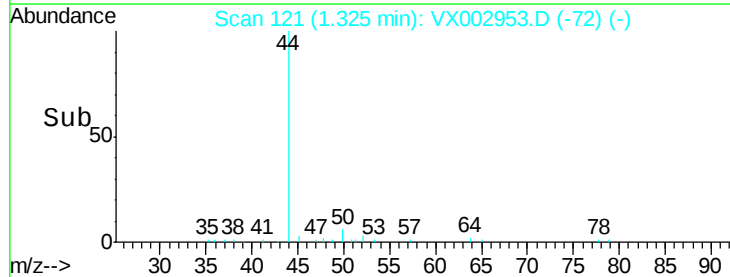
200

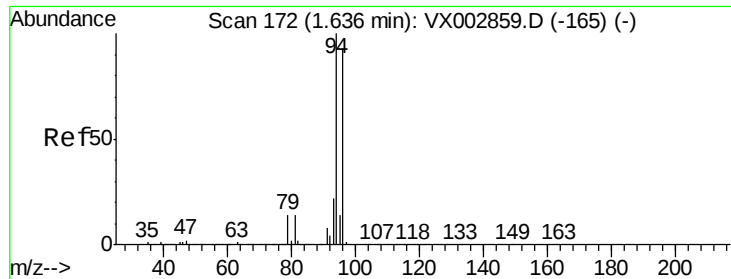
100

0

Time-->

1.30 1.35 1.40





#5

Bromomethane

Concen: Below Cal

RT: 1.67 min Scan# 177

Delta R.T. 0.03 min

Lab File: VX002953.D

Acq: 27 Jun 2018 23:34

Instrument :

MSVOA_X

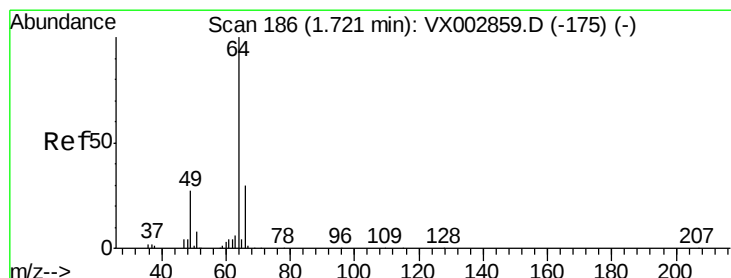
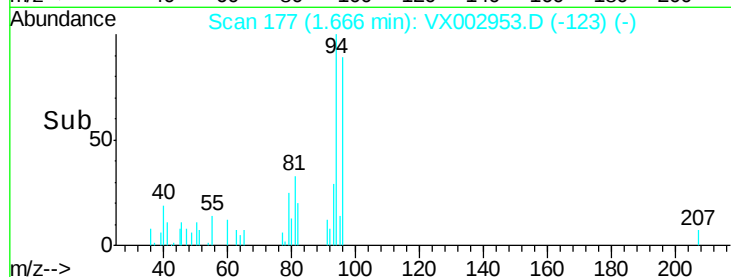
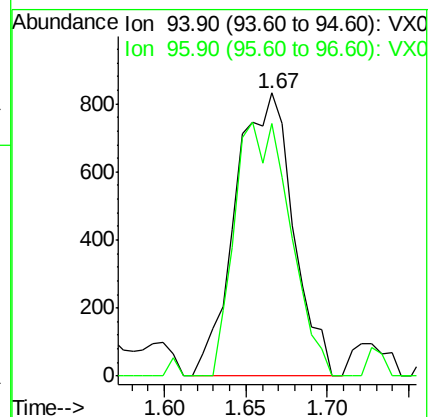
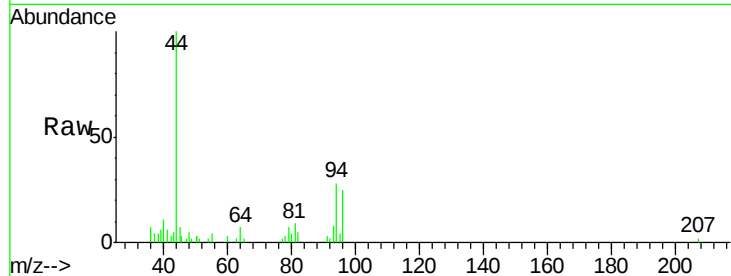
ClientSampleId :

Tot Ion: 94 Resp: 2047

Ion Ratio Lower Upper

94 100

96 89.2 74.9 112.3



#6

Chloroethane

Concen: Below Cal

RT: 1.71 min Scan# 184

Delta R.T. -0.01 min

Lab File: VX002953.D

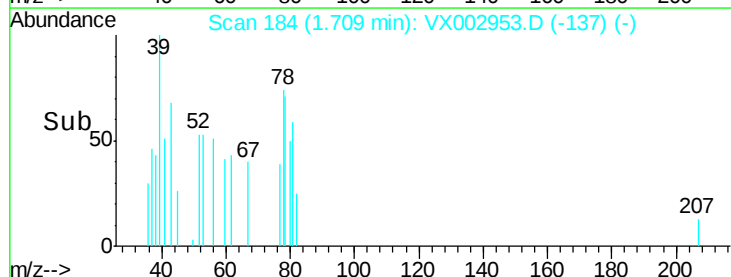
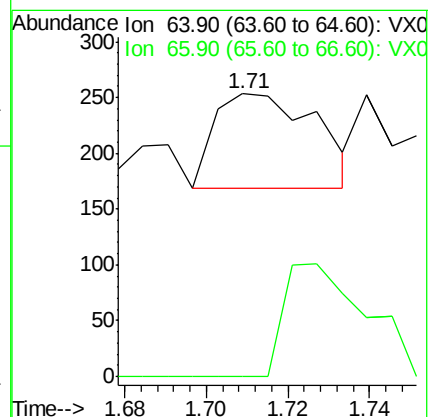
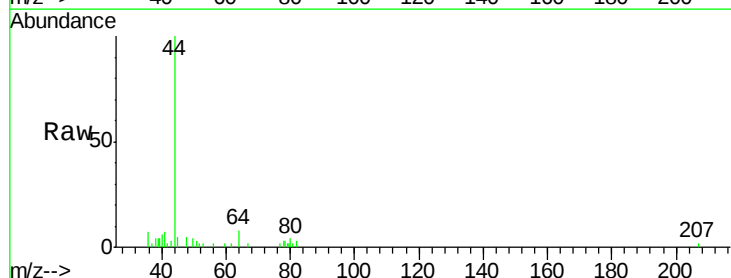
Acq: 27 Jun 2018 23:34

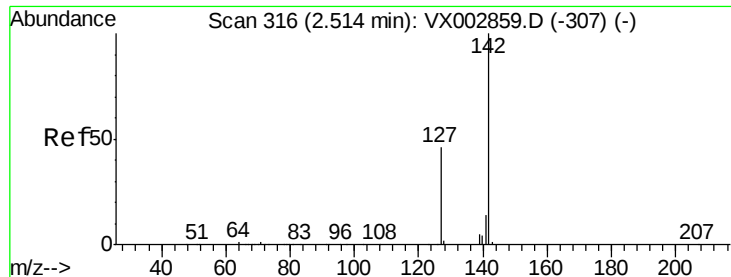
Tgt Ion: 64 Resp: 146

Ion Ratio Lower Upper

64 100

66 0.0 25.5 38.3#

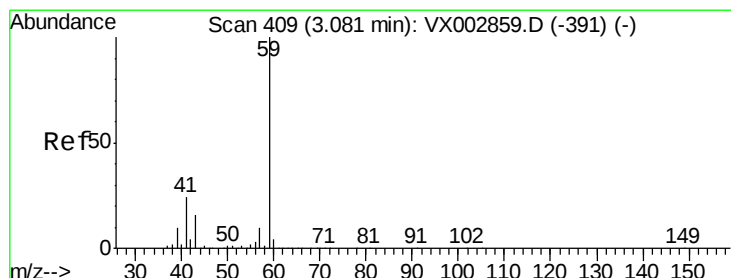
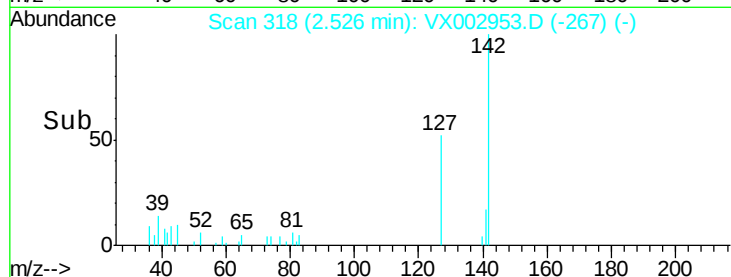
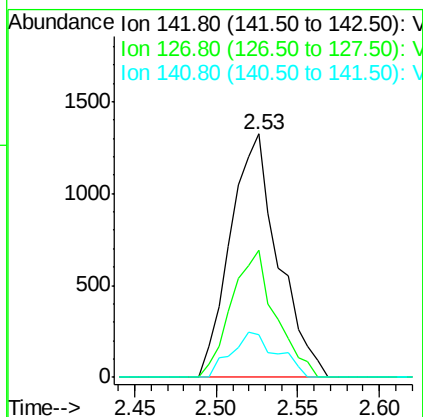
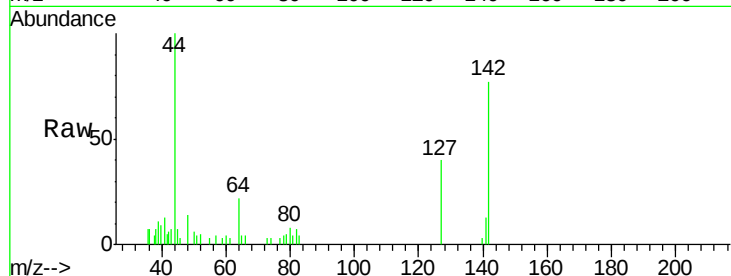




#10
Methyl Iodide
Concen: 7.03 ug/l
RT: 2.53 min Scan# 318
Delta R.T. 0.01 min
Lab File: VX002953.D
Acq: 27 Jun 2018 23:34

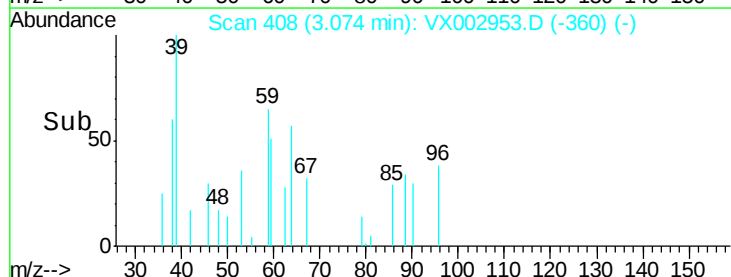
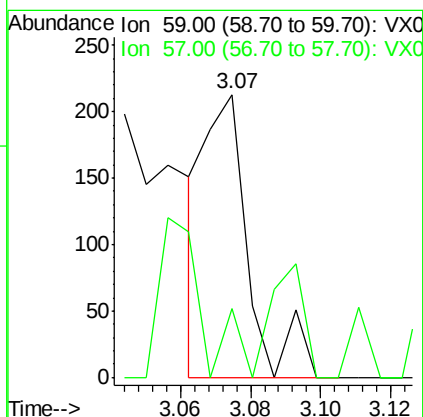
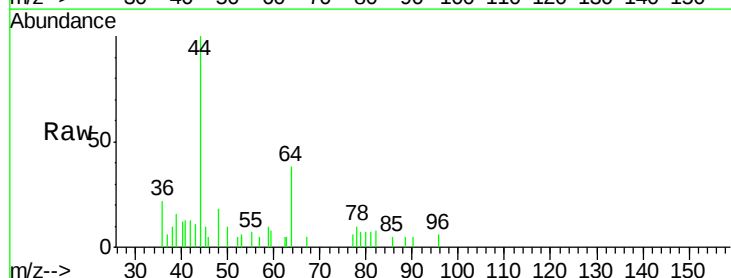
Instrument :
MSVOA_X
ClientSampled :

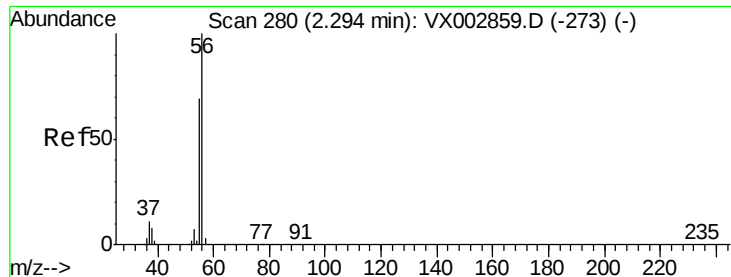
Tot Ion:142 Resp: 2706
Ion Ratio Lower Upper
142 100
127 48.0 36.6 55.0
141 17.9 11.3 16.9#



#11
Tert butyl alcohol
Concen: 0.26 ug/l
RT: 3.07 min Scan# 408
Delta R.T. -0.01 min
Lab File: VX002953.D
Acq: 27 Jun 2018 23:34

Tgt Ion: 59 Resp: 185
Ion Ratio Lower Upper
59 100
57 55.7 8.2 12.2#





#13

Acrolein

Concen: 4.55 ug/l

RT: 2.29 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX002953.D

Acq: 27 Jun 2018 23:34

Instrument :

MSVOA_X

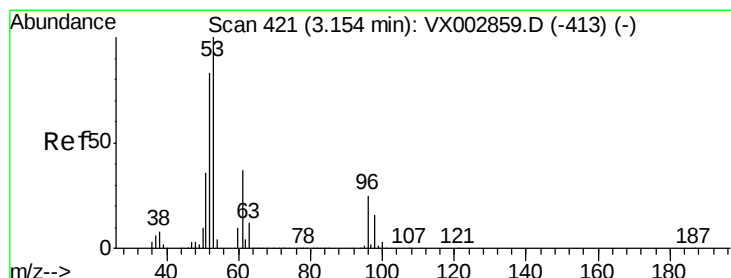
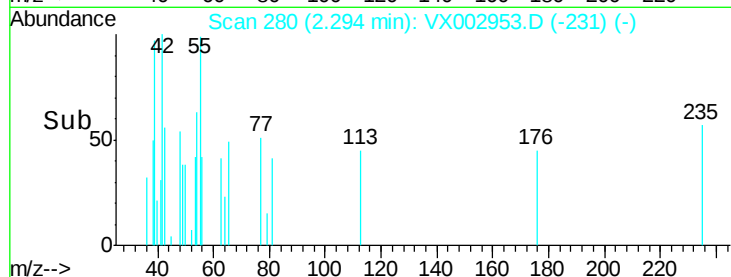
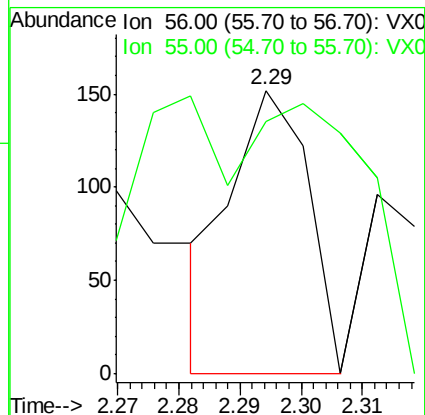
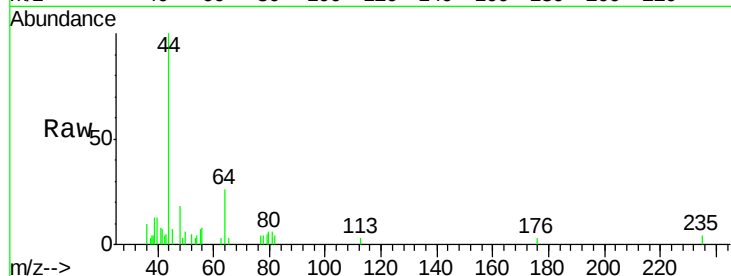
ClientSampled :

Tot Ion: 56 Resp: 133

Ion Ratio Lower Upper

56 100

55 48.9 57.0 85.4#



#15

Acrylonitrile

Concen: 0.23 ug/l

RT: 3.15 min Scan# 420

Delta R.T. -0.01 min

Lab File: VX002953.D

Acq: 27 Jun 2018 23:34

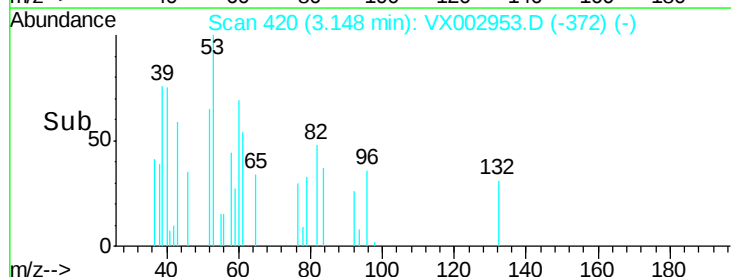
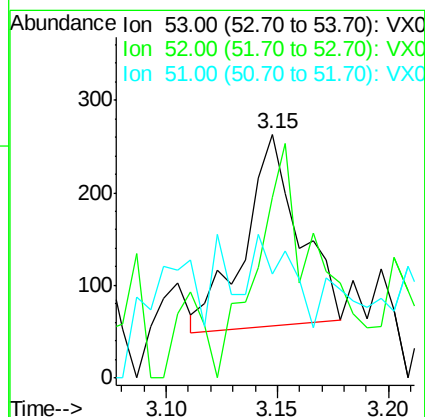
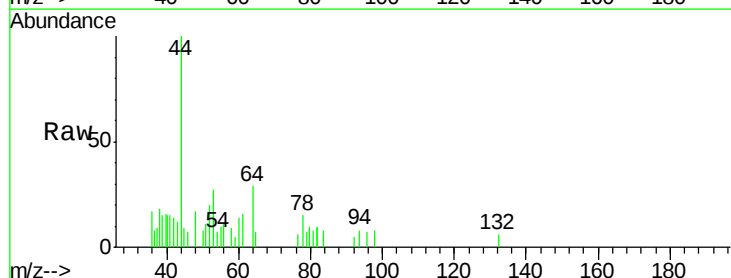
Tgt Ion: 53 Resp: 354

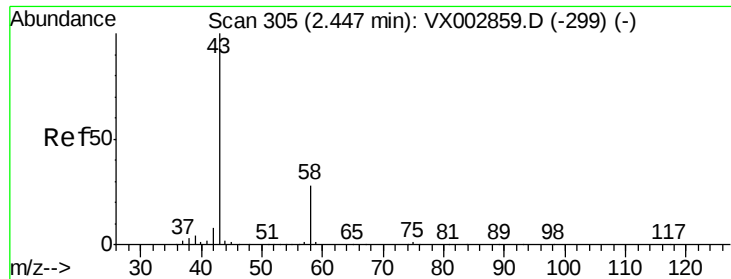
Ion Ratio Lower Upper

53 100

52 137.3 66.7 100.1#

51 58.5 29.9 44.9#





#16

Acetone

Concen: 0.63 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.00 min

Lab File: VX002953.D

Acq: 27 Jun 2018 23:34

Instrument :

MSVOA_X

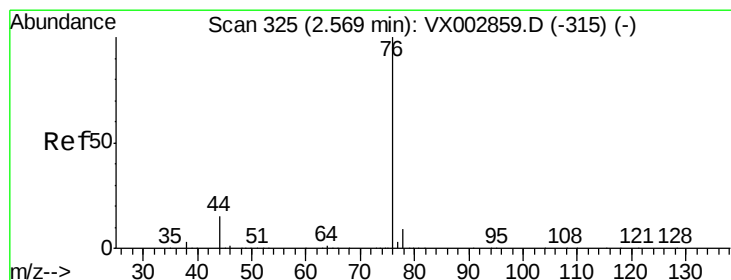
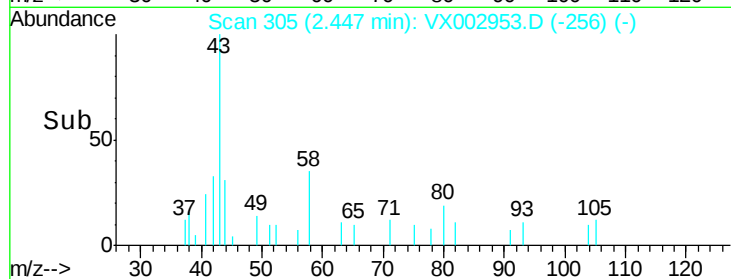
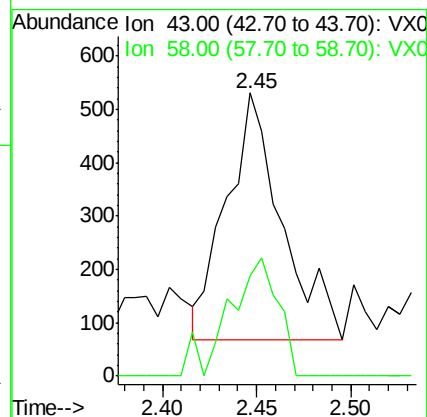
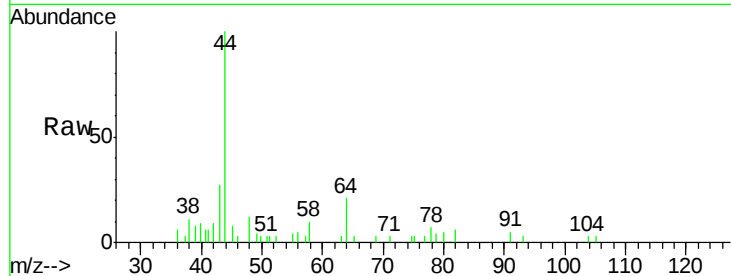
ClientSampled :

Tot Ion: 43 Resp: 949

Ion Ratio Lower Upper

43 100

58 40.5 22.1 33.1#



#17

Carbon Disulfide

Concen: 0.28 ug/l

RT: 2.57 min Scan# 325

Delta R.T. -0.00 min

Lab File: VX002953.D

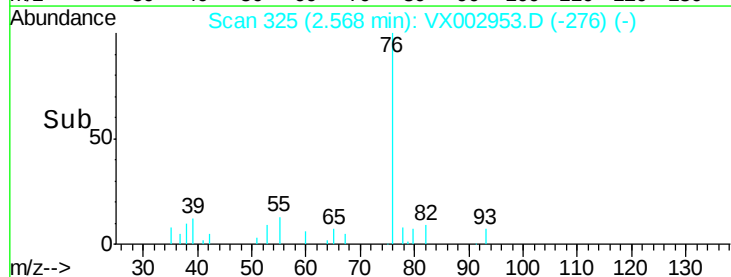
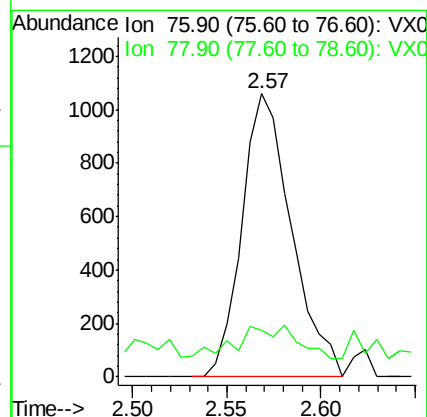
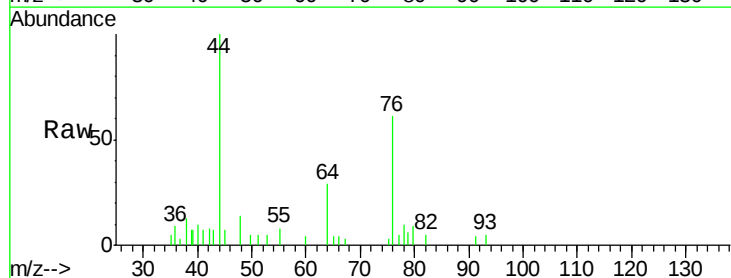
Acq: 27 Jun 2018 23:34

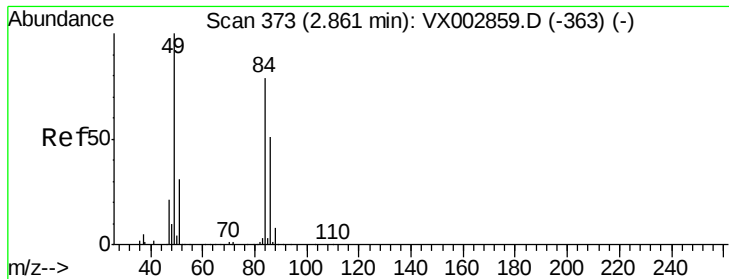
Tgt Ion: 76 Resp: 1932

Ion Ratio Lower Upper

76 100

78 10.2 6.9 10.3

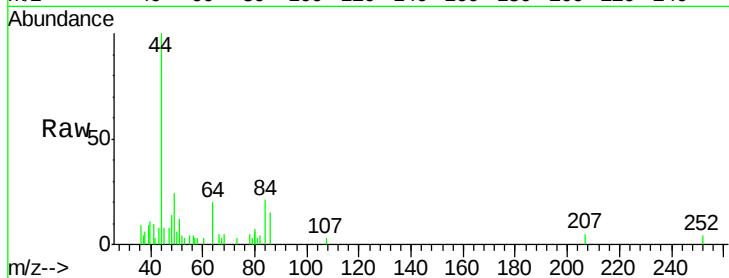




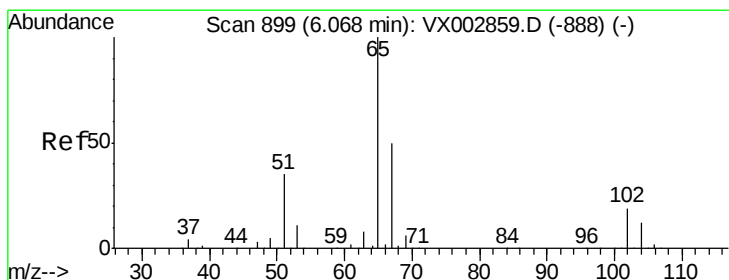
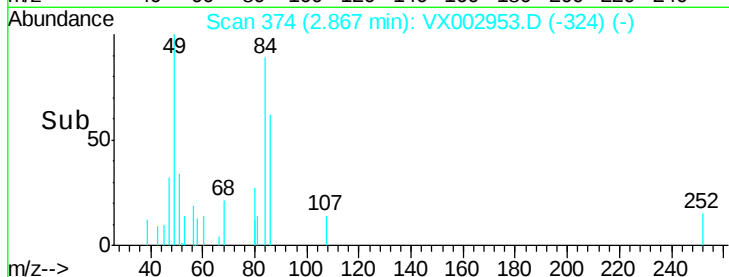
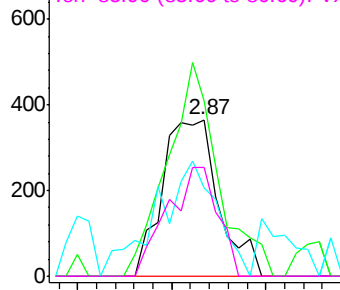
#20
Methylene Chloride
Concen: 0.26 ug/l
RT: 2.87 min Scan# 374
Delta R.T. 0.01 min
Lab File: VX002953.D
Acq: 27 Jun 2018 23:34

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 84 Resp: 756
Ion Ratio Lower Upper
84 100
49 112.0 107.8 161.6
51 39.1 32.8 49.2
86 69.1 52.5 78.7

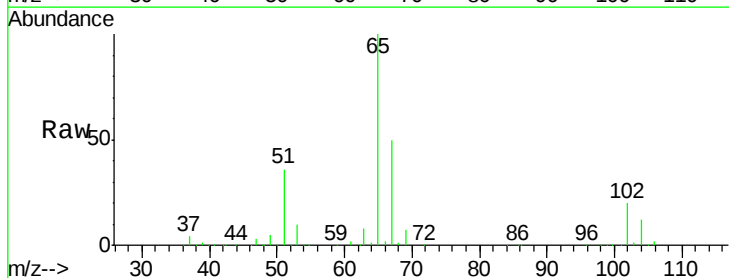


Abundance Ion 83.90 (83.60 to 84.60): VX0
Ion 48.90 (48.60 to 49.60): VX0
Ion 50.90 (50.60 to 51.60): VX0
Ion 85.90 (85.60 to 86.60): VX0

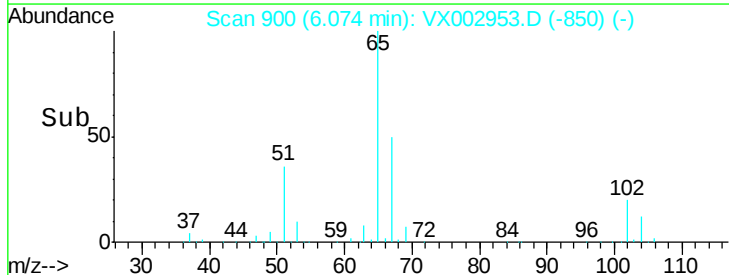
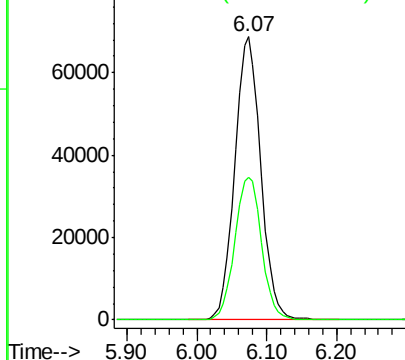


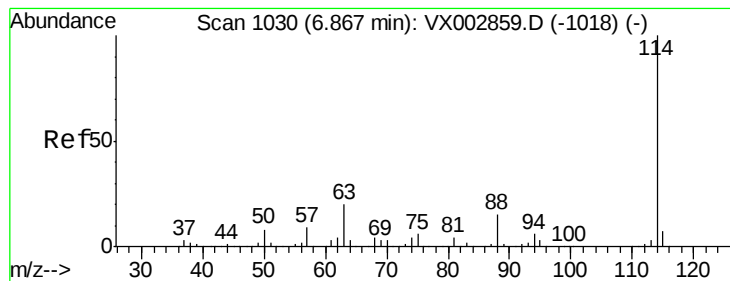
#33
1,2-Dichloroethane-d4
Concen: 48.86 ug/l
RT: 6.07 min Scan# 900
Delta R.T. 0.01 min
Lab File: VX002953.D
Acq: 27 Jun 2018 23:34

Tgt Ion: 65 Resp: 177631
Ion Ratio Lower Upper
65 100
67 51.8 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VX002953.D

Acq: 27 Jun 2018 23:34

Instrument :

MSVOA_X

ClientSampleId :

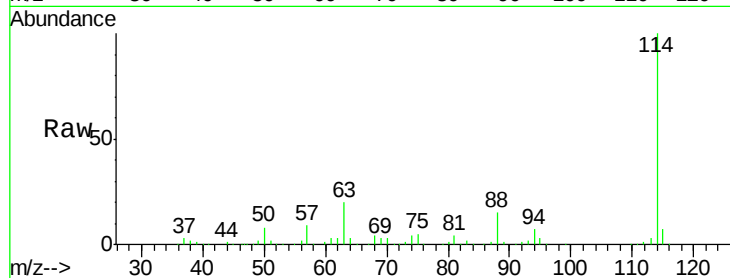
Tot Ion:114 Resp: 372563

Ion Ratio Lower Upper

114 100

63 20.2 0.0 41.4

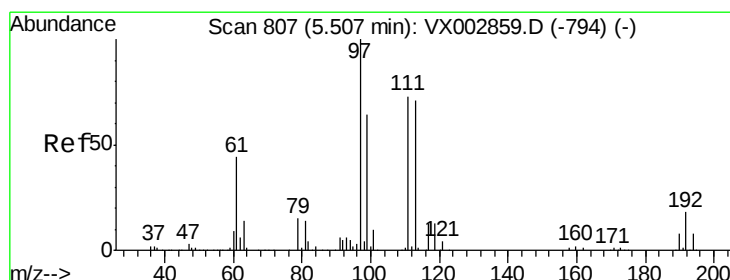
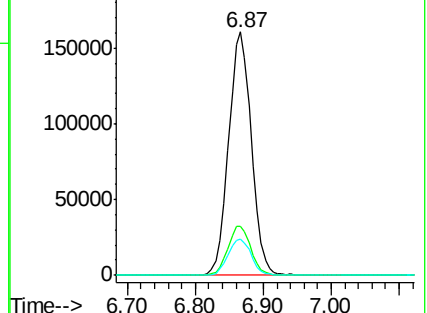
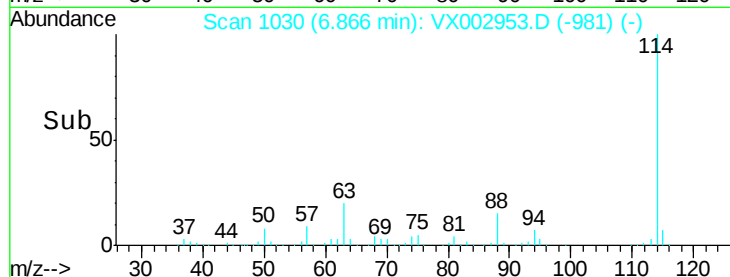
88 15.0 0.0 30.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 47.59 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.00 min

Lab File: VX002953.D

Acq: 27 Jun 2018 23:34

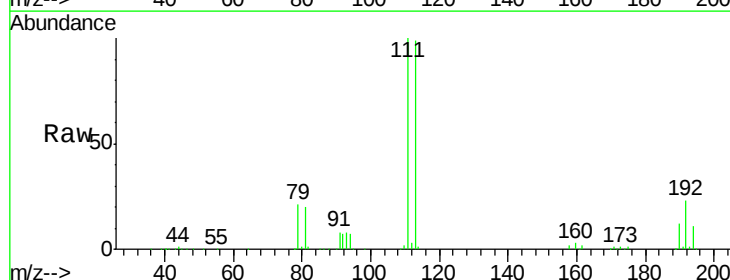
Tgt Ion:113 Resp: 140416

Ion Ratio Lower Upper

113 100

111 102.7 81.4 122.0

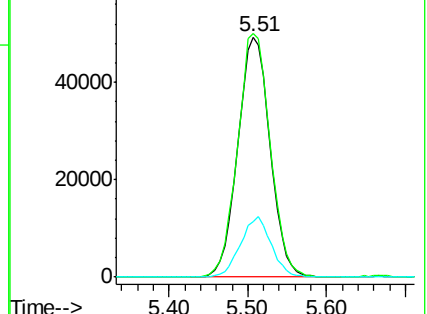
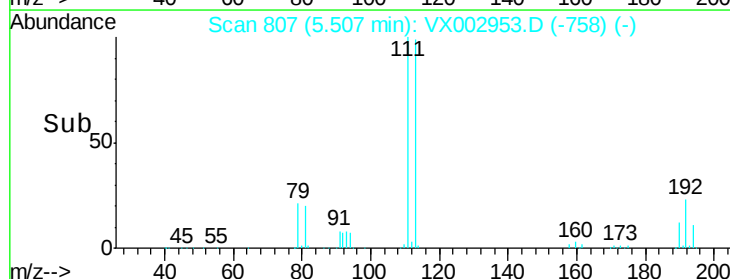
192 23.9 19.1 28.7

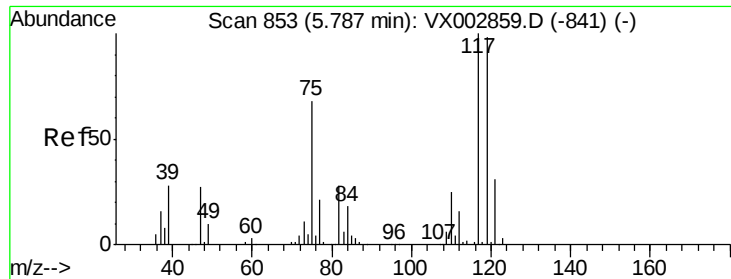


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

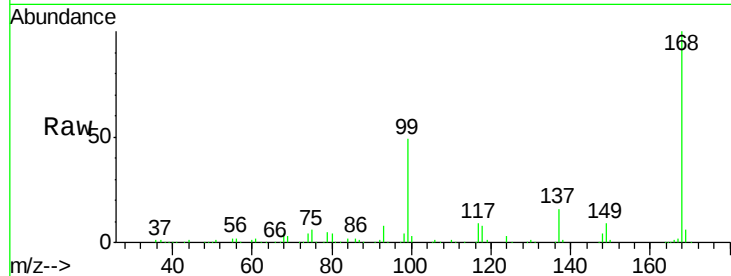




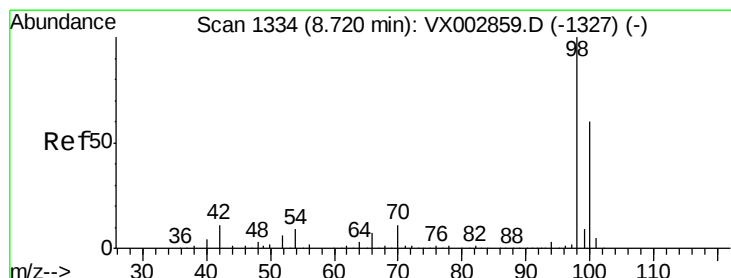
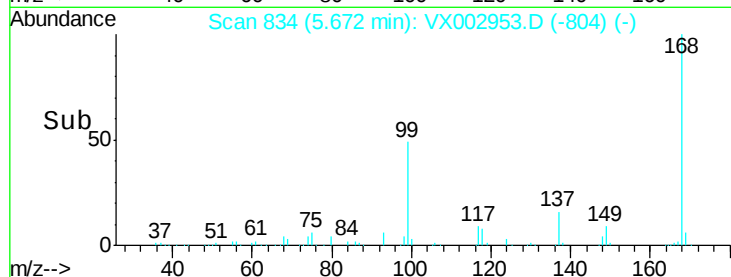
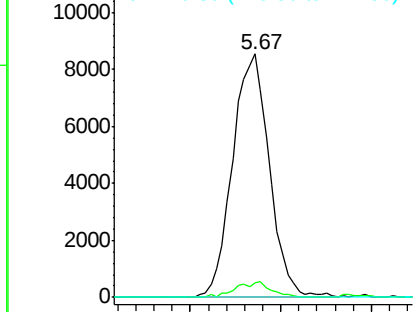
#38
Carbon Tetrachloride
Concen: 5.37 ug/l
RT: 5.67 min Scan# 834
Delta R.T. -0.12 min
Lab File: VX002953.D
Acq: 27 Jun 2018 23:34

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:117 Resp: 24063
Ion Ratio Lower Upper
117 100
119 5.7 77.4 116.0#
121 0.0 24.4 36.6#

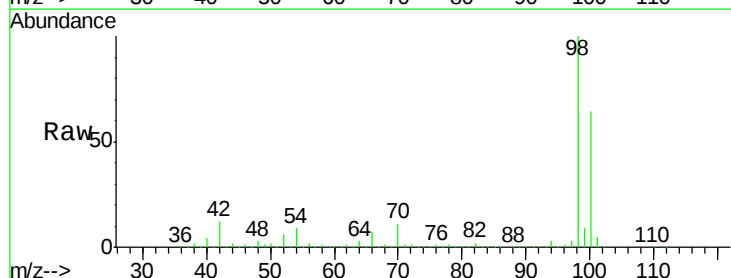


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

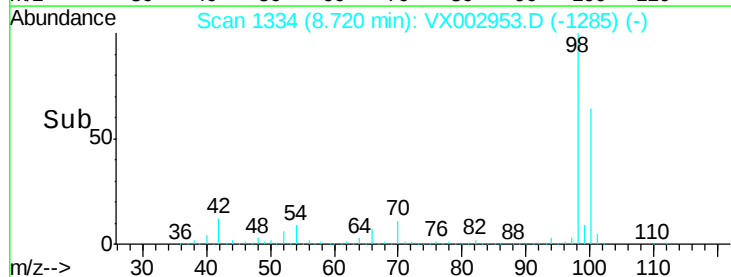
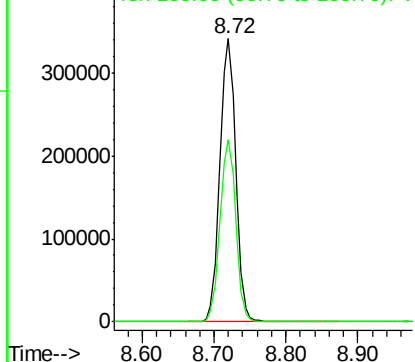


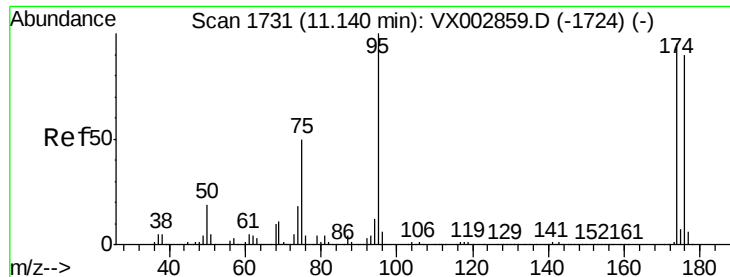
#50
Toluene-d8
Concen: 48.38 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX002953.D
Acq: 27 Jun 2018 23:34

Tgt Ion: 98 Resp: 521218
Ion Ratio Lower Upper
98 100
100 64.0 50.9 76.3



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





#62

4-Bromofluorobenzene

Concen: 44.33 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX002953.D

Acq: 27 Jun 2018 23:34

Instrument :

MSVOA_X

ClientSampleId :

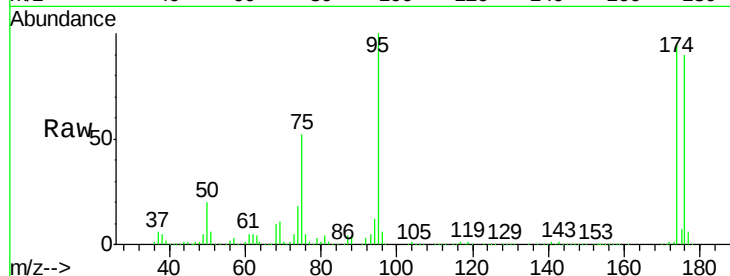
Tot Ion: 95 Resp: 184197

Ion Ratio Lower Upper

95 100

174 96.9 0.0 187.4

176 93.9 0.0 181.0

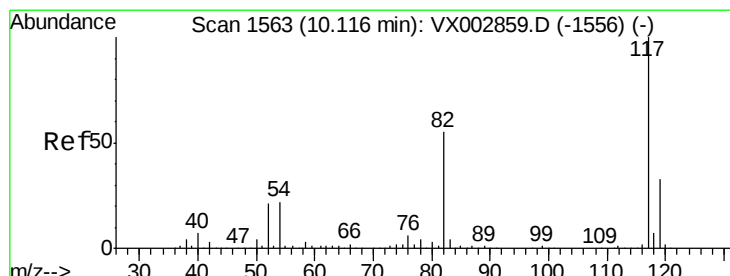
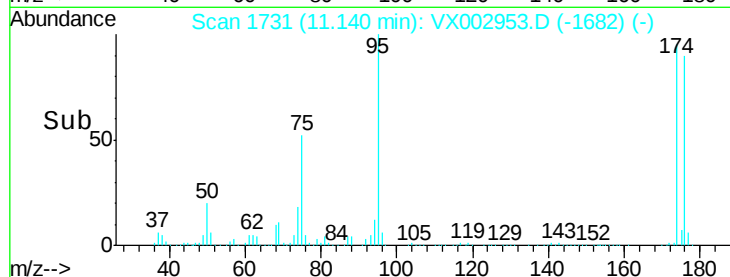
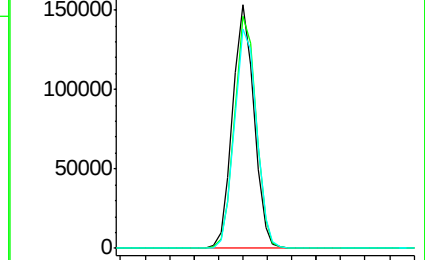


Abundance Ion 94.90 (94.60 to 95.60): VX002859.D (-1724) (-)

Ion 173.80 (173.50 to 174.50): VX002859.D (-1724) (-)

Ion 175.80 (175.50 to 176.50): VX002859.D (-1724) (-)

11.14



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VX002953.D

Acq: 27 Jun 2018 23:34

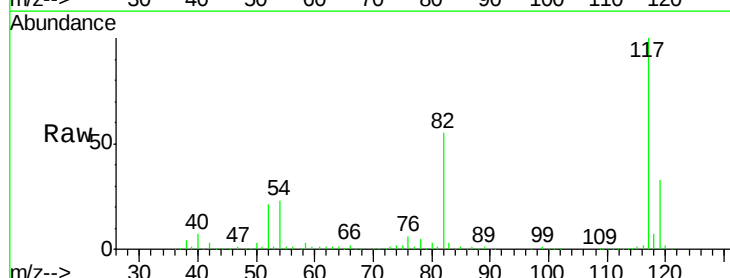
Tgt Ion: 117 Resp: 344981

Ion Ratio Lower Upper

117 100

82 55.3 45.0 67.4

119 32.9 25.8 38.6

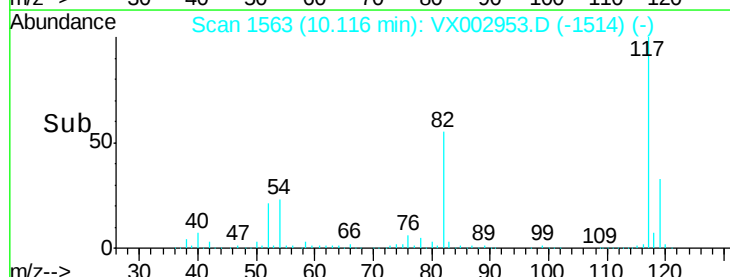
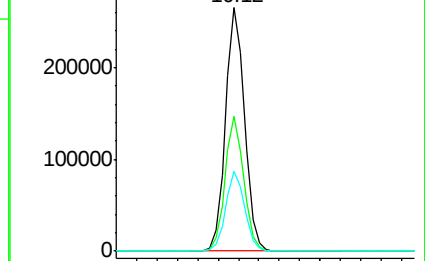


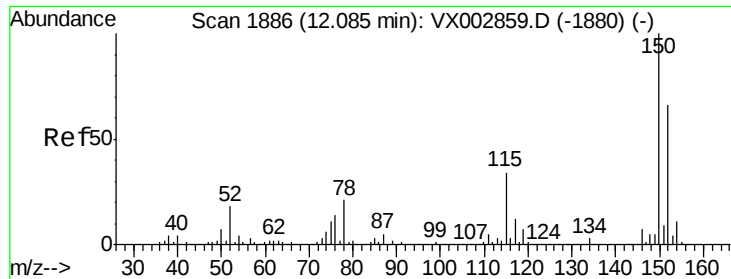
Abundance Ion 116.90 (116.60 to 117.60): VX002859.D (-1556) (-)

Ion 82.00 (81.70 to 82.70): VX002859.D (-1556) (-)

Ion 118.90 (118.60 to 119.60): VX002859.D (-1556) (-)

10.12





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX002953.D

Acq: 27 Jun 2018 23:34

Instrument :

MSVOA_X

ClientSampled :

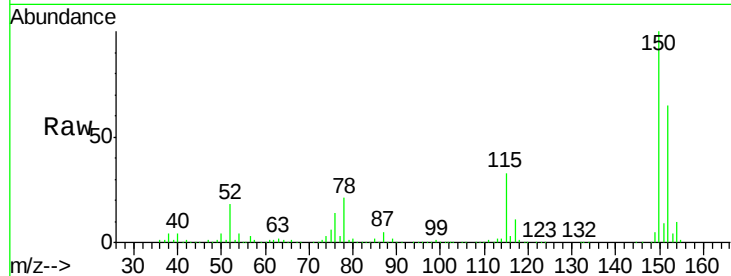
Tot Ion:152 Resp: 195776

Ion Ratio Lower Upper

152 100

115 55.0 40.1 120.2

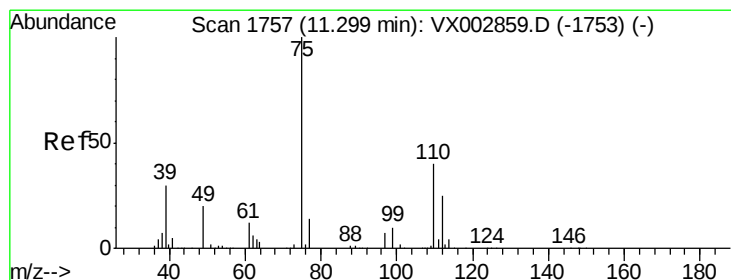
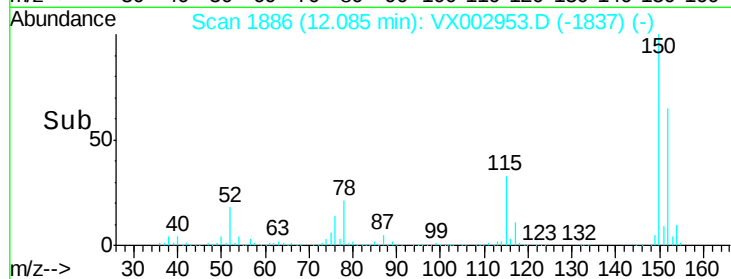
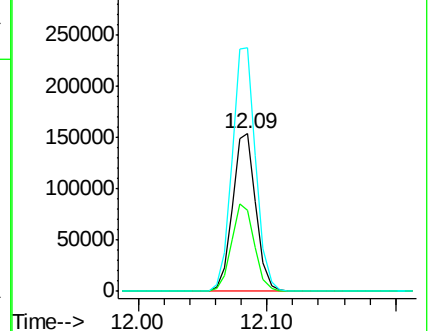
150 156.2 0.0 347.2



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: 27.34 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX002953.D

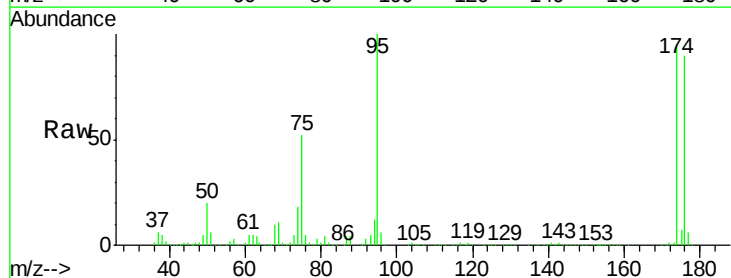
Acq: 27 Jun 2018 23:34

Tgt Ion: 75 Resp: 96964

Ion Ratio Lower Upper

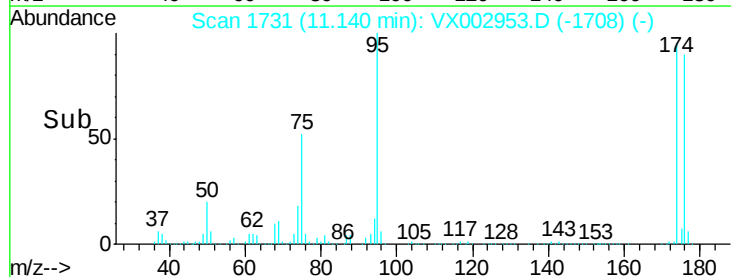
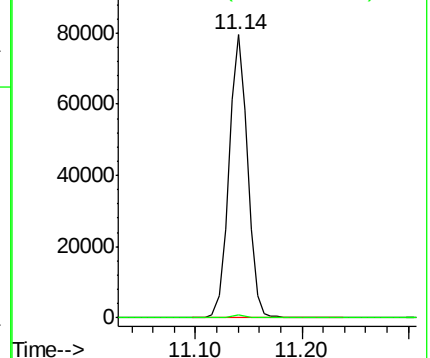
75 100

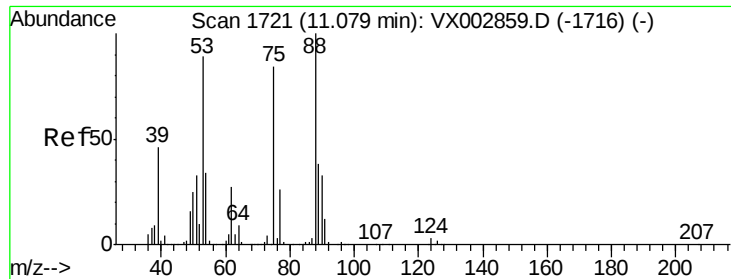
77 1.2 22.8 68.3#



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: 77.36 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX002953.D
 Acq: 27 Jun 2018 23:34

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 75 Resp: 96964
 Ion Ratio Lower Upper
 75 100
 53 0.2 86.8 130.2#
 89 0.0 38.2 57.2#

