

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX030918\
 Data File : VX000250.D
 Acq On : 09 Mar 2018 12:40
 Operator : JC/MD
 Sample : VX0309WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Mar 09 15:35:55 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X030718W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 08 02:15:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	137243	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	225315	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	214911	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	115426	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.08	65	90177	47.40	ug/l	0.00
Spiked Amount			Recovery	=	94.80%	
35) Dibromofluoromethane	5.51	113	68496	48.40	ug/l	0.00
Spiked Amount			Recovery	=	96.80%	
50) Toluene-d8	8.73	98	275614	47.02	ug/l	0.00
Spiked Amount			Recovery	=	94.04%	
62) 4-Bromofluorobenzene	11.15	95	96662	42.25	ug/l	0.00
Spiked Amount			Recovery	=	84.50%	

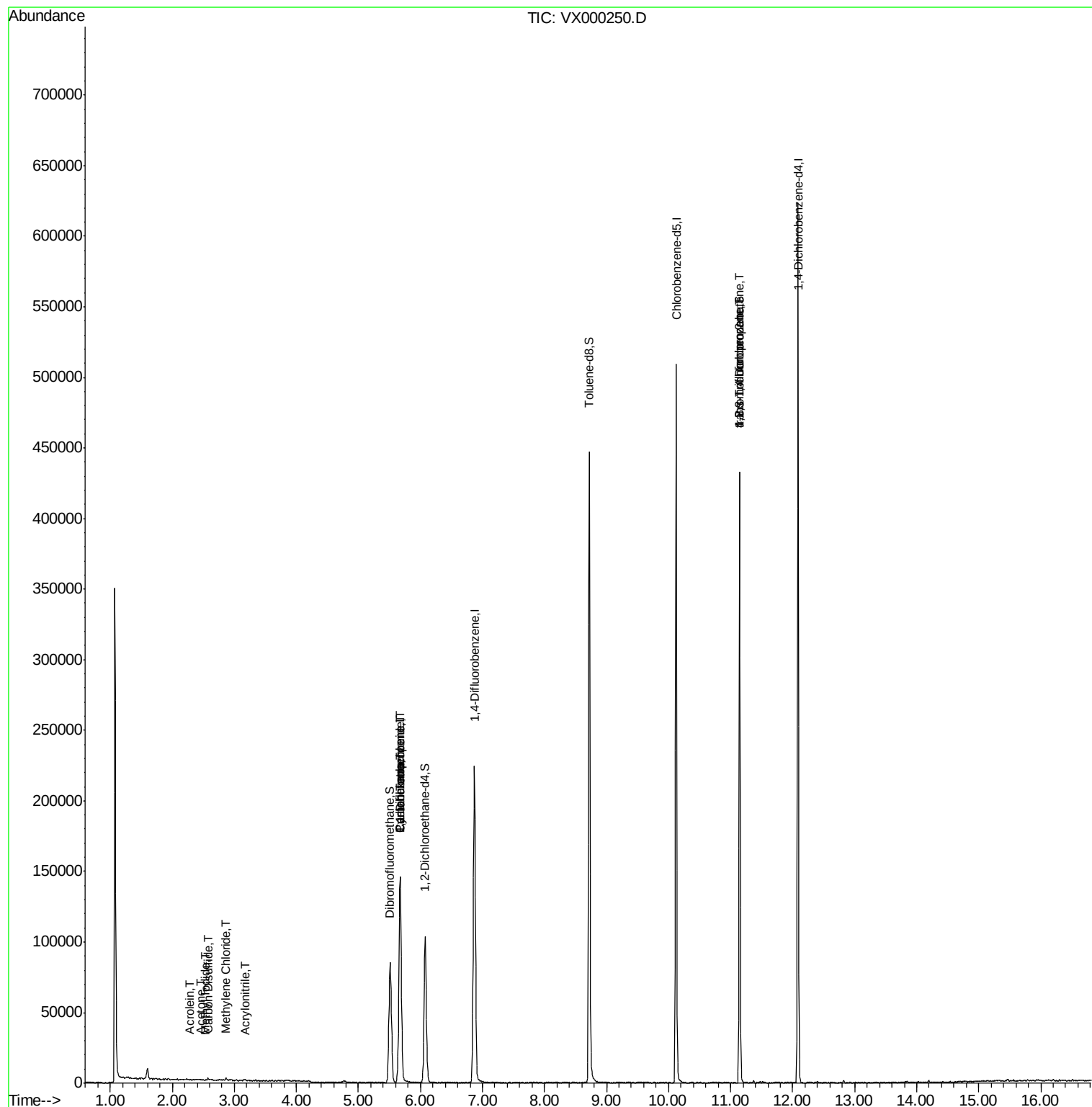
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	214	Below Cal		87
6) Chloroethane	1.73	64	238	Below Cal		90
10) Methyl Iodide	2.53	142	231	3.276	ug/l #	37
13) Acrolein	2.28	56	76	0.207	ug/l #	1
15) Acrylonitrile	3.16	53	501	0.412	ug/l #	26
16) Acetone	2.45	43	933	0.683	ug/l #	89
17) Carbon Disulfide	2.57	76	1070	0.270	ug/l #	88
20) Methylene Chloride	2.86	84	371	0.228	ug/l #	51
31) Cyclohexane	5.68	56	3520	1.691	ug/l #	22
36) 1,1-Dichloropropene	5.67	75	10828	5.401	ug/l #	50
38) Carbon Tetrachloride	5.67	117	13651	6.728	ug/l #	15
76) 1,2,3-Trichloropropane	11.15	75	56565	24.447	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.15	75	56565	74.861	ug/l #	10

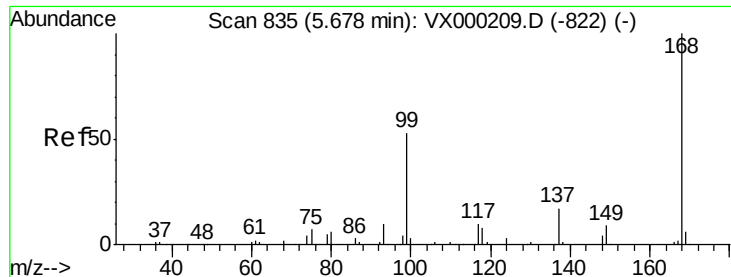
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.01 min

Lab File: VX000250.D

Acq: 09 Mar 2018 12:40

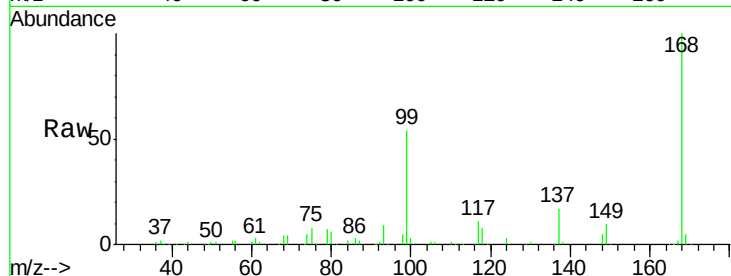
Instrument :
MSVOA_X
ClientSampled :

Tot Ion:168 Resp: 137243

Ion Ratio Lower Upper

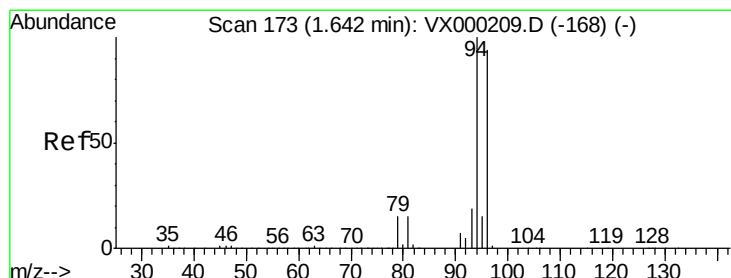
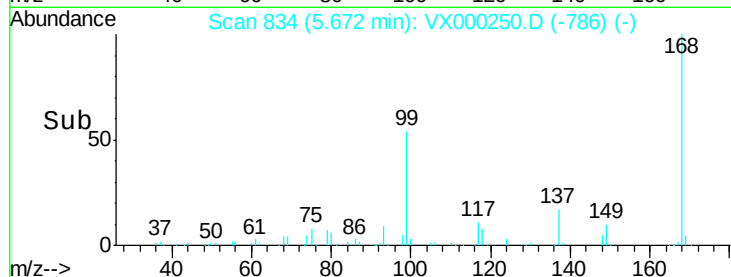
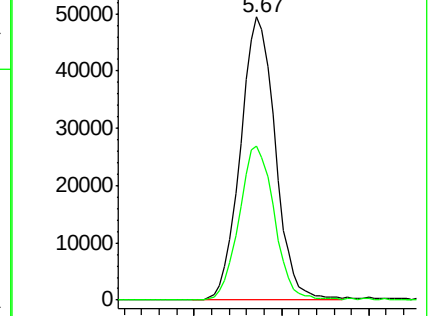
168 100

99 54.3 42.8 64.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 175

Delta R.T. 0.01 min

Lab File: VX000250.D

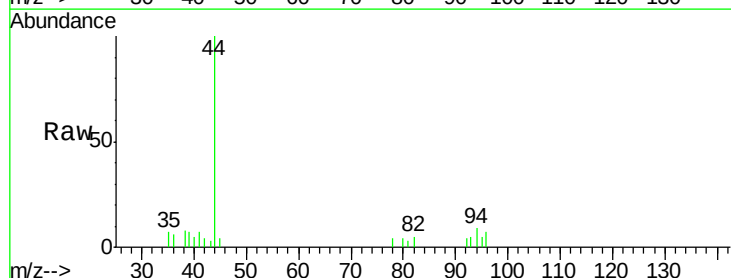
Acq: 09 Mar 2018 12:40

Tgt Ion: 94 Resp: 214

Ion Ratio Lower Upper

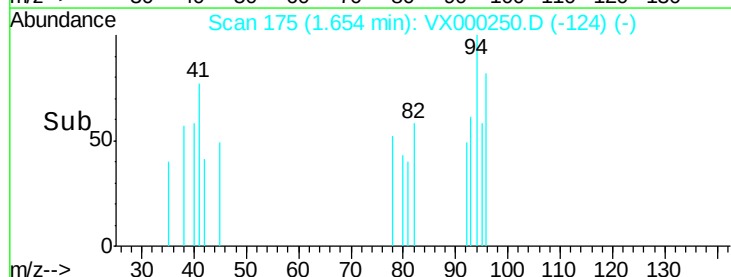
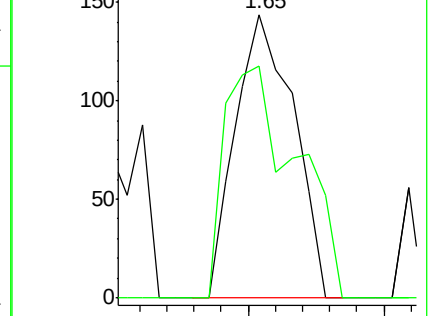
94 100

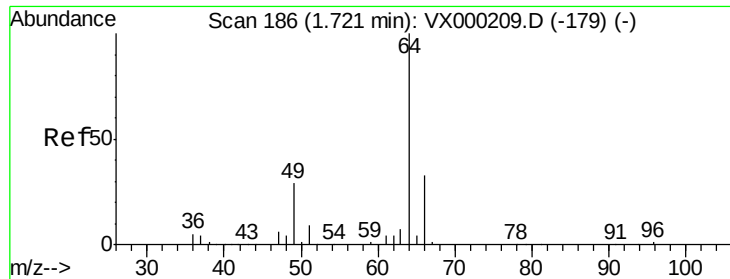
96 81.9 75.3 112.9



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: Below Cal

RT: 1.73 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX000250.D

Acq: 09 Mar 2018 12:40

Instrument :

MSVOA_X

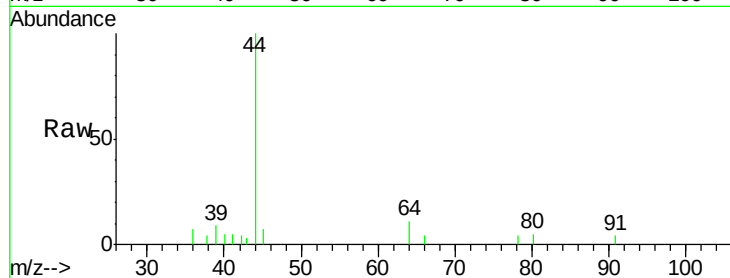
ClientSampleId :

Tot Ion: 64 Resp: 238

Ion Ratio Lower Upper

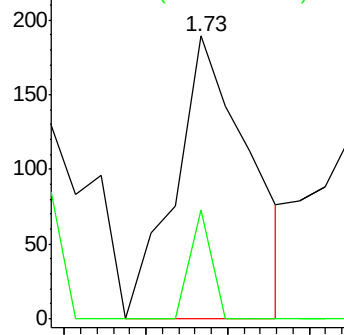
64 100

66 38.6 26.2 39.4

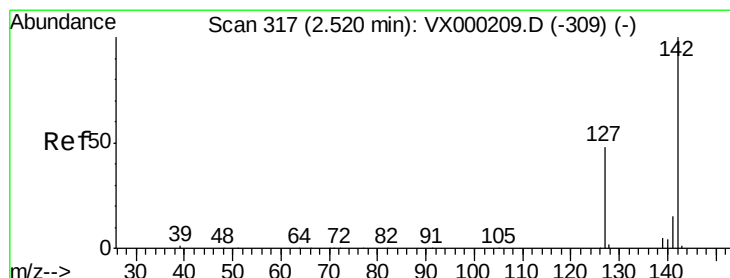
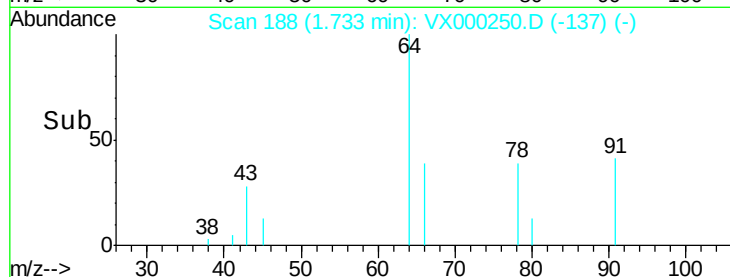


Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



Time-->



#10

Methyl Iodide

Concen: 3.276 ug/l

RT: 2.53 min Scan# 318

Delta R.T. 0.01 min

Lab File: VX000250.D

Acq: 09 Mar 2018 12:40

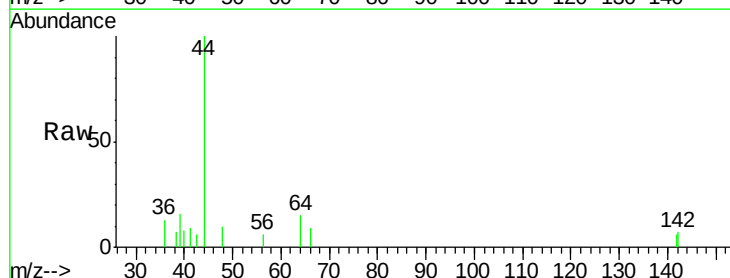
Tgt Ion: 142 Resp: 231

Ion Ratio Lower Upper

142 100

127 0.0 39.0 58.6#

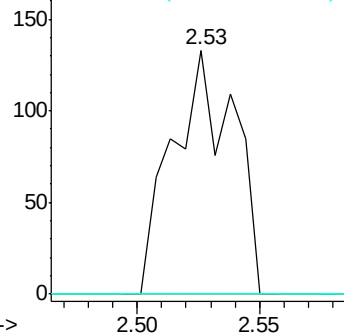
141 0.0 11.6 17.4#



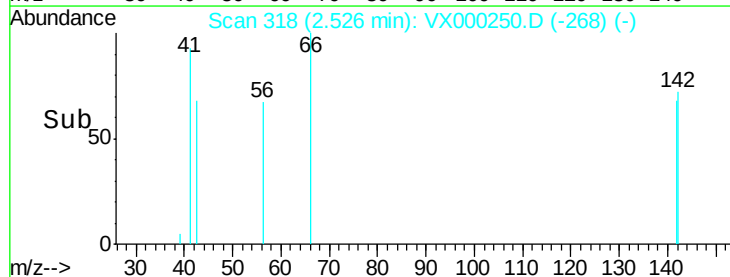
Abundance Ion 141.80 (141.50 to 142.50): V

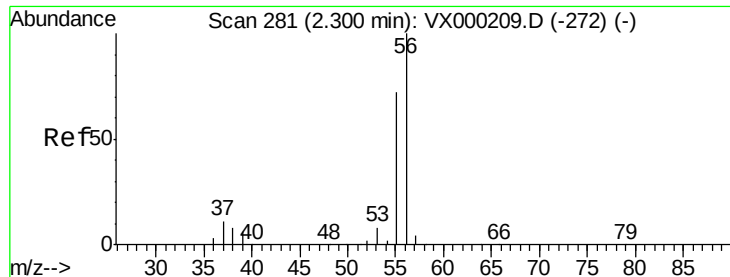
Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



Time-->





#13

Acrolein

Concen: 0.207 ug/l

RT: 2.28 min Scan# 278

Delta R.T. -0.02 min

Lab File: VX000250.D

Acq: 09 Mar 2018 12:40

Instrument :

MSVOA_X

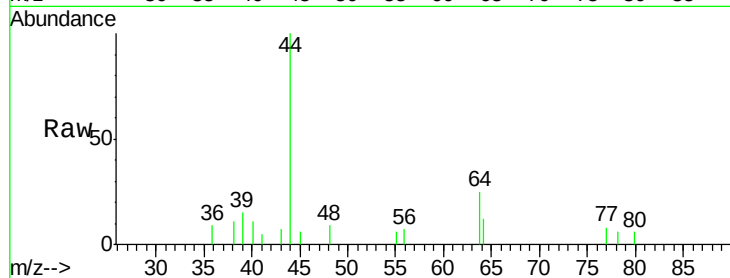
ClientSampled :

Tot Ion: 56 Resp: 76

Ion Ratio Lower Upper

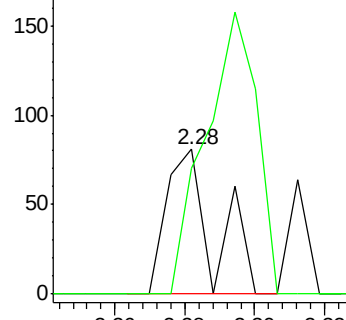
56 100

55 211.8 59.2 88.8#

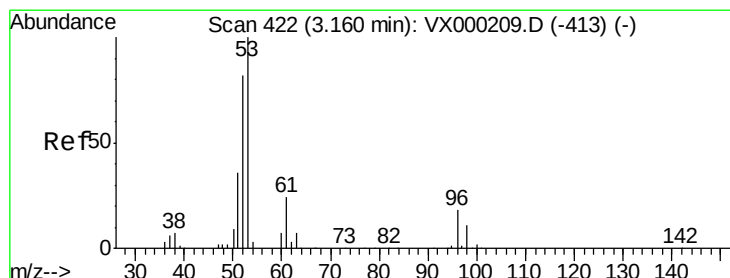
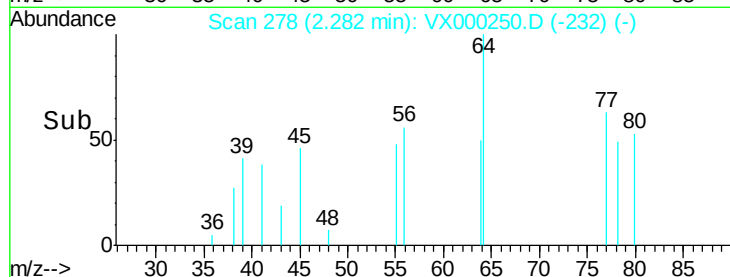


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



Time-->



#15

Acrylonitrile

Concen: 0.412 ug/l

RT: 3.16 min Scan# 422

Delta R.T. 0.00 min

Lab File: VX000250.D

Acq: 09 Mar 2018 12:40

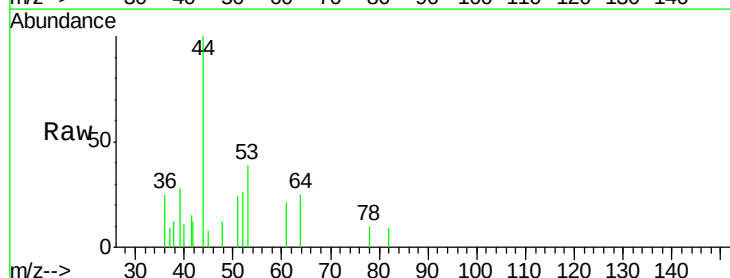
Tgt Ion: 53 Resp: 501

Ion Ratio Lower Upper

53 100

52 0.0 66.3 99.5#

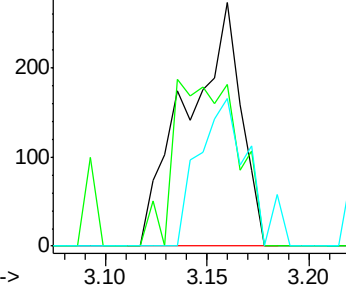
51 56.3 29.6 44.4#



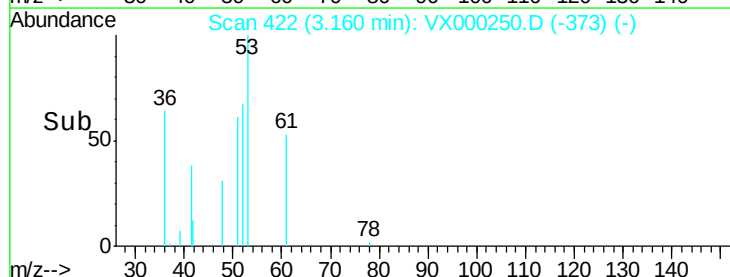
Abundance Ion 53.00 (52.70 to 53.70): VX0

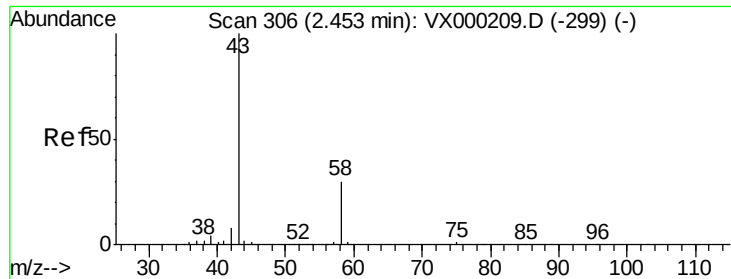
Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



Time-->





#16

Acetone

Concen: 0.683 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.00 min

Lab File: VX000250.D

Acq: 09 Mar 2018 12:40

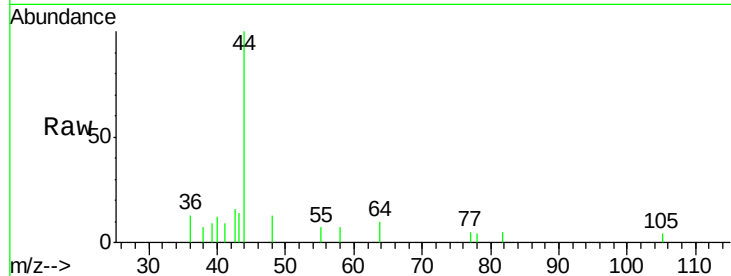
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 43 Resp: 933

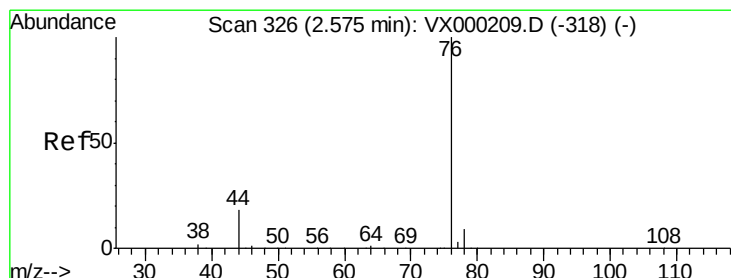
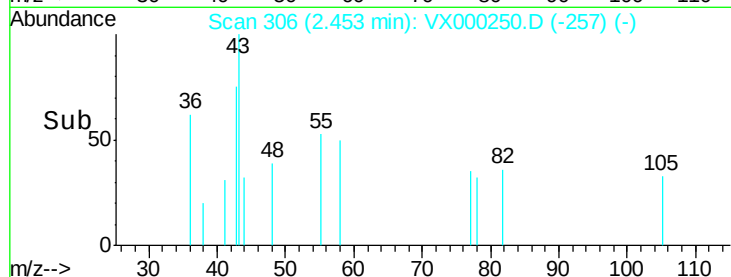
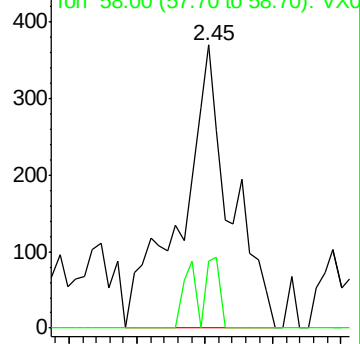
Ion Ratio Lower Upper

43 100

58 23.5 23.8 35.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0



#17

Carbon Disulfide

Concen: 0.270 ug/l

RT: 2.57 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX000250.D

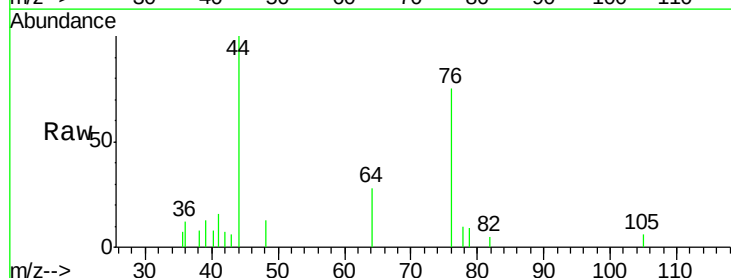
Acq: 09 Mar 2018 12:40

Tgt Ion: 76 Resp: 1070

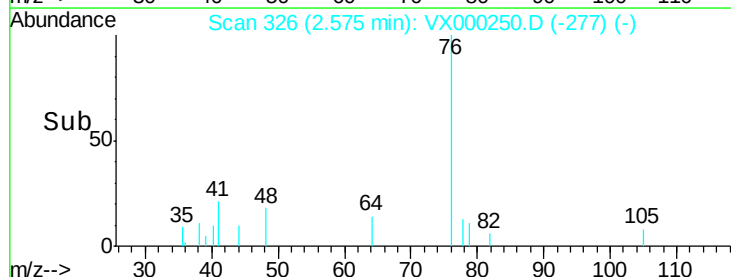
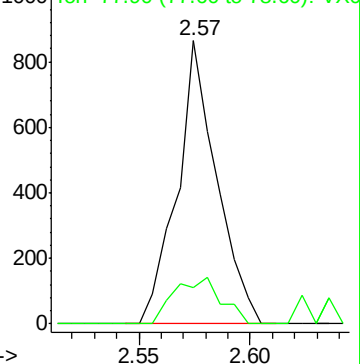
Ion Ratio Lower Upper

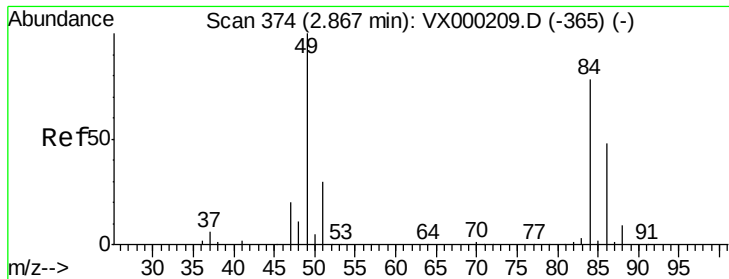
76 100

78 13.0 7.0 10.6#



Abundance Ion 75.90 (75.60 to 76.60): VX0

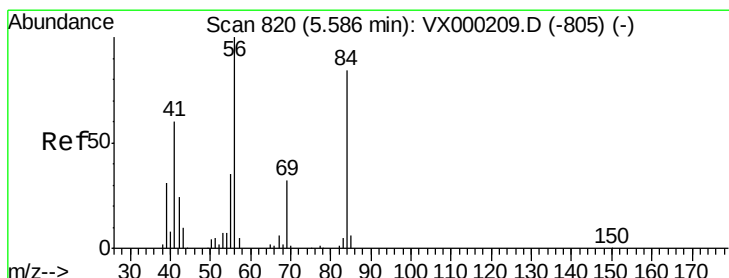
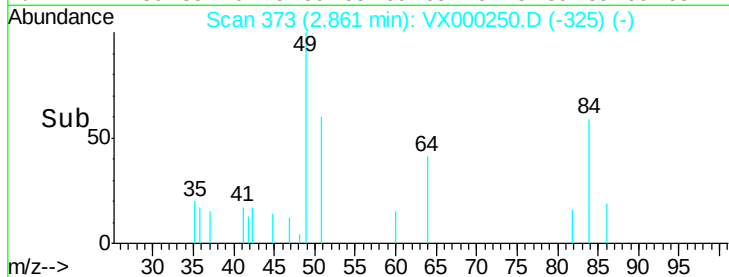
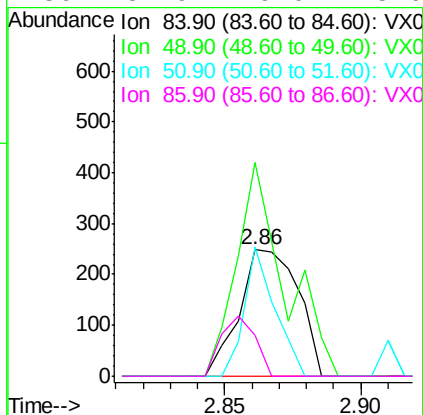
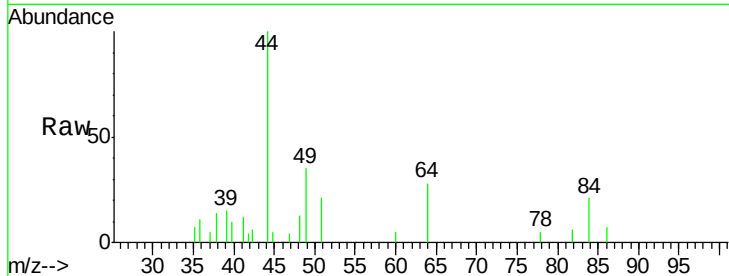




#20
Methylene Chloride
Concen: 0.228 ug/l
RT: 2.86 min Scan# 373
Delta R.T. -0.01 min
Lab File: VX000250.D
Acq: 09 Mar 2018 12:40

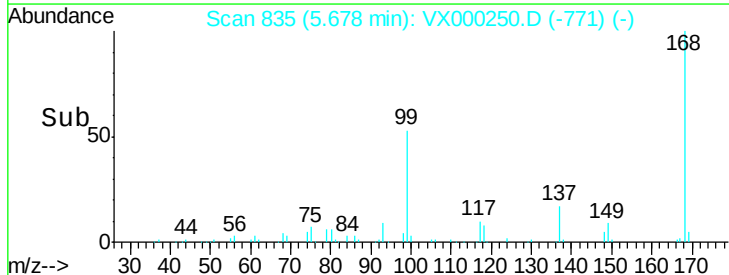
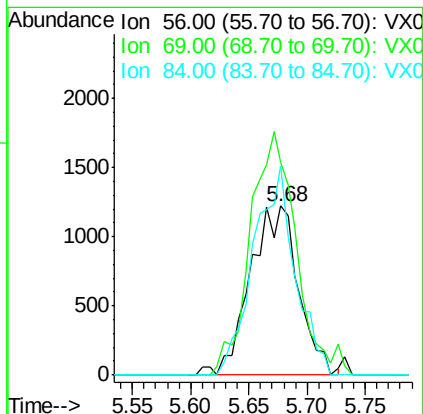
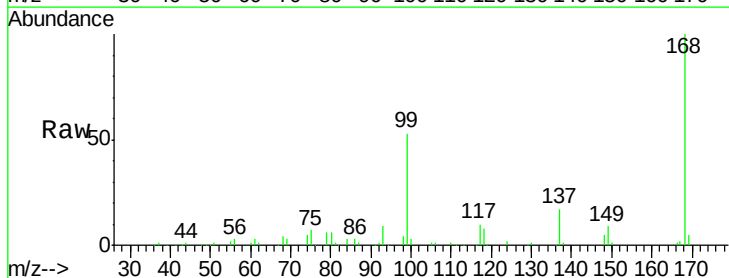
Instrument :
MSVOA_X
ClientSampled :

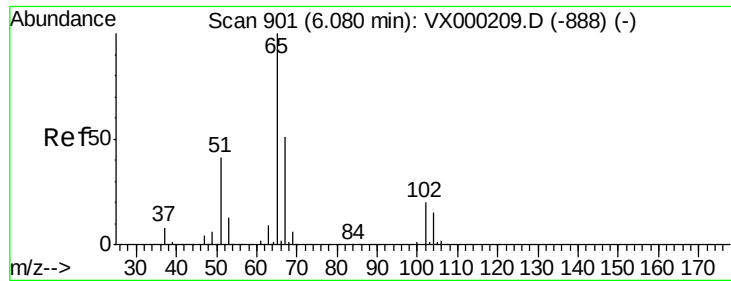
Tot Ion: 84 Resp: 371
Ion Ratio Lower Upper
84 100
49 169.4 102.1 153.1#
51 102.4 30.6 45.8#
86 31.9 49.0 73.6#



#31
Cyclohexane
Concen: 1.691 ug/l
RT: 5.68 min Scan# 835
Delta R.T. 0.09 min
Lab File: VX000250.D
Acq: 09 Mar 2018 12:40

Tgt Ion: 56 Resp: 3520
Ion Ratio Lower Upper
56 100
69 125.7 25.3 37.9#
84 123.5 67.2 100.8#

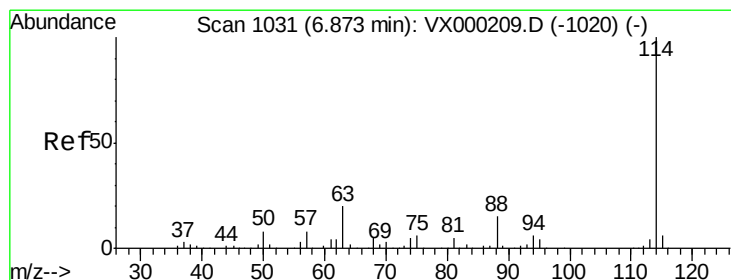
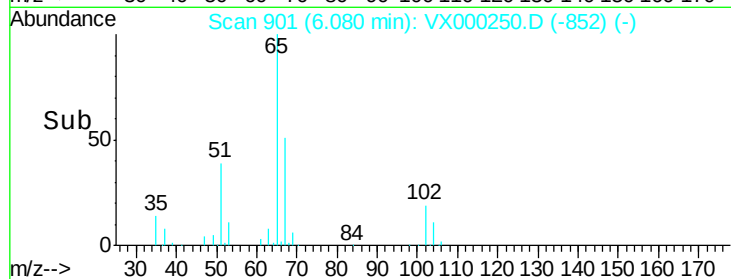
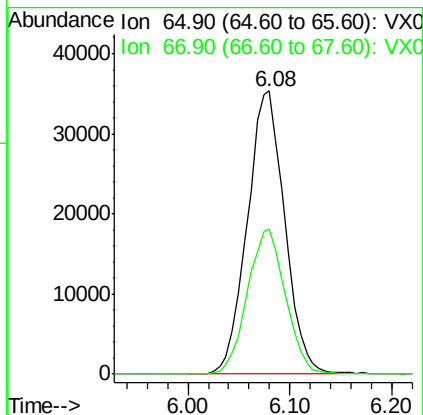
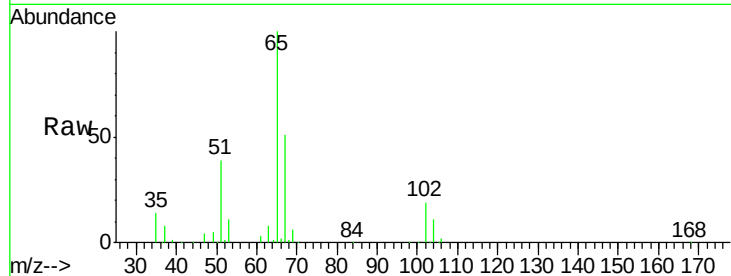




#33
 1,2-Dichloroethane-d4
 Concen: 47.400 ug/l
 RT: 6.08 min Scan# 901
 Delta R.T. 0.00 min
 Lab File: VX000250.D
 Acq: 09 Mar 2018 12:40

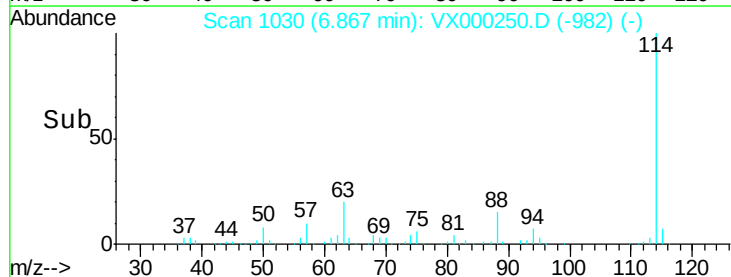
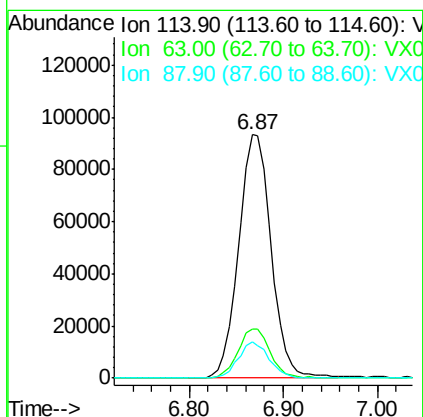
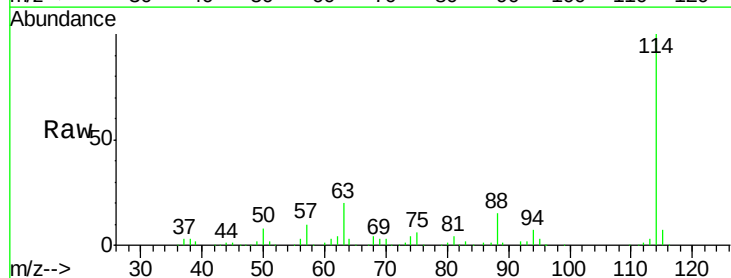
Instrument :
 MSVOA_X
 ClientSampleId :

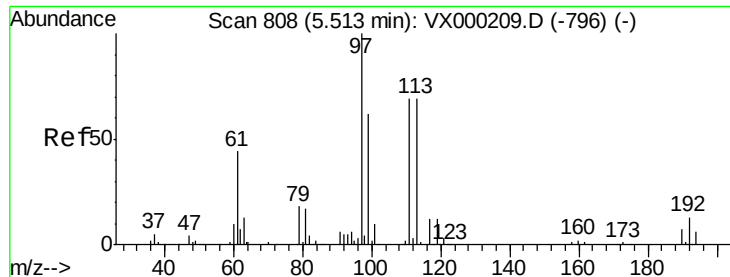
Tot Ion: 65 Resp: 90177
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 103.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.01 min
 Lab File: VX000250.D
 Acq: 09 Mar 2018 12:40

Tgt Ion: 114 Resp: 225315
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 39.2
 88 15.0 0.0 29.8





#35

Dibromofluoromethane

Concen: 48.395 ug/l

RT: 5.51 min Scan# 808

Delta R.T. 0.00 min

Lab File: VX000250.D

Acq: 09 Mar 2018 12:40

Instrument :

MSVOA_X

ClientSampleId :

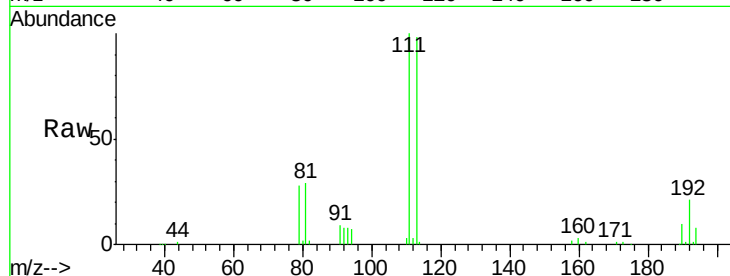
Tot Ion:113 Resp: 68496

Ion Ratio Lower Upper

113 100

111 102.6 83.0 124.6

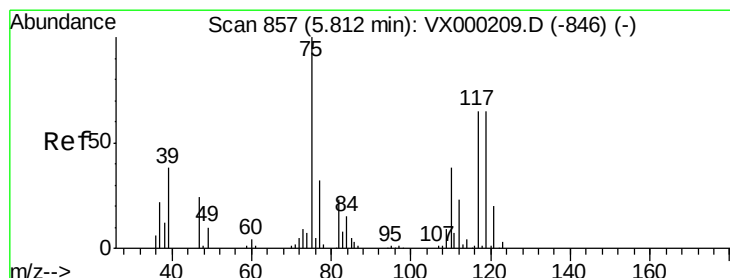
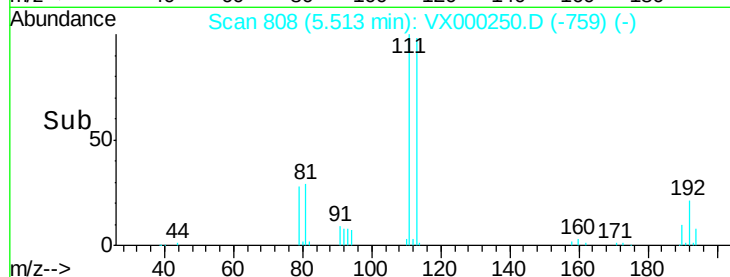
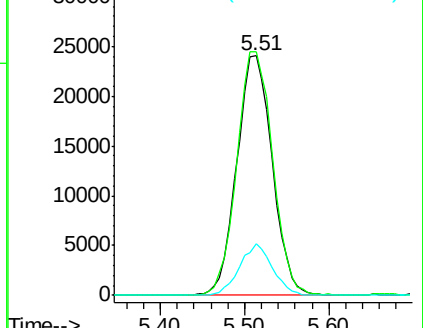
192 19.7 15.5 23.3



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: 5.401 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.14 min

Lab File: VX000250.D

Acq: 09 Mar 2018 12:40

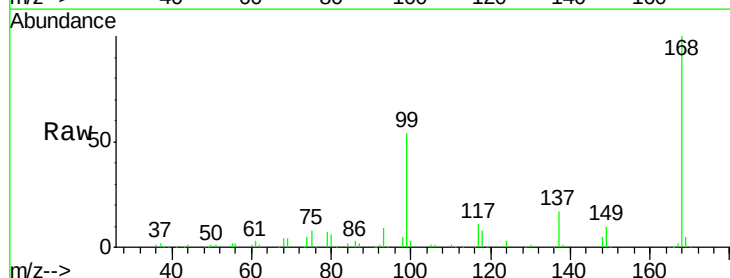
Tgt Ion: 75 Resp: 10828

Ion Ratio Lower Upper

75 100

110 9.9 17.8 53.5#

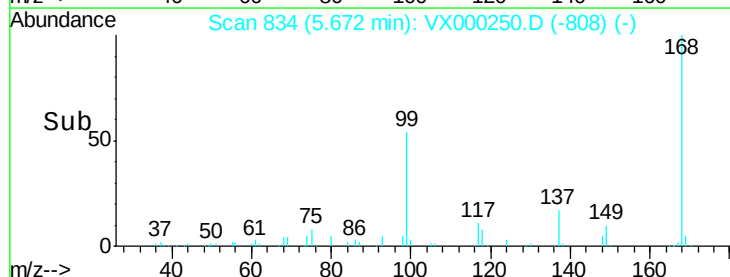
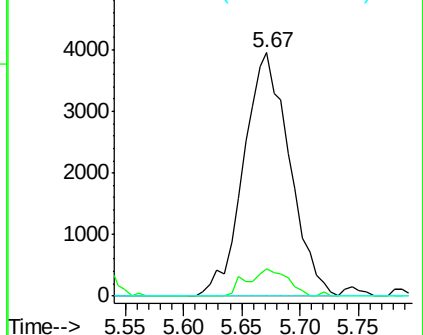
77 0.0 24.9 37.3#

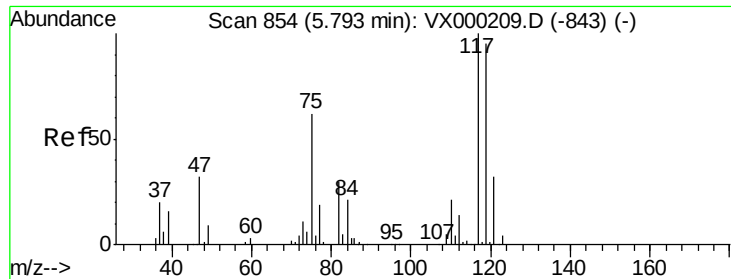


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

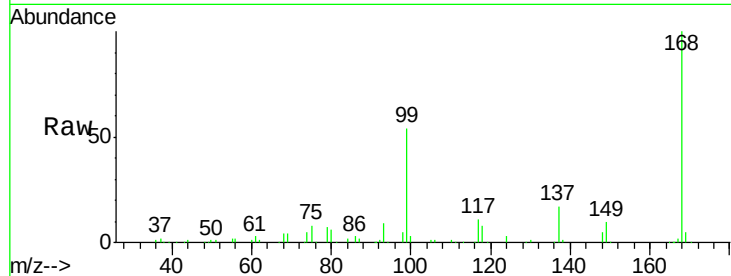




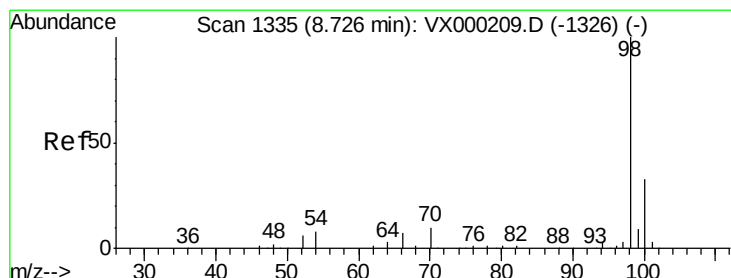
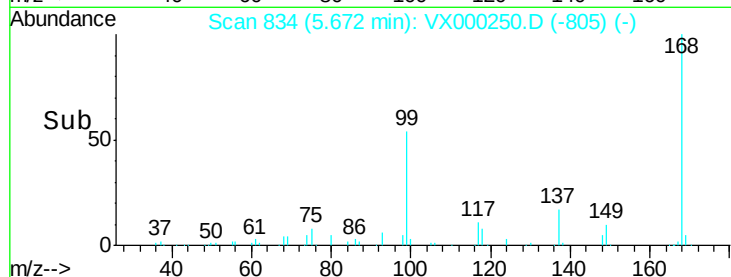
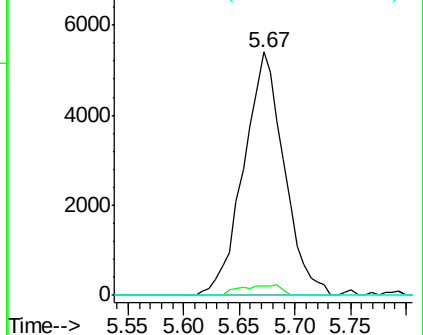
#38
Carbon Tetrachloride
Concen: 6.728 ug/l
RT: 5.67 min Scan# 834
Delta R.T. -0.12 min
Lab File: VX000250.D
Acq: 09 Mar 2018 12:40

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 13651
Ion Ratio Lower Upper
117 100
119 3.8 75.9 113.9#
121 0.0 25.8 38.6#

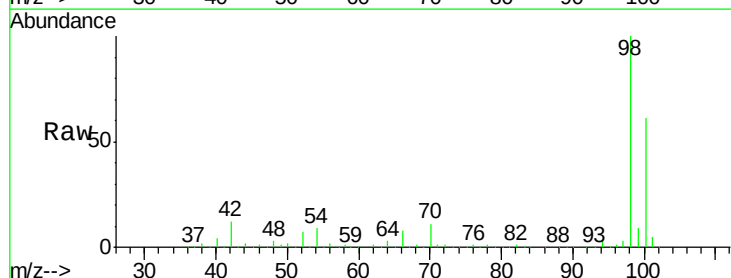


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

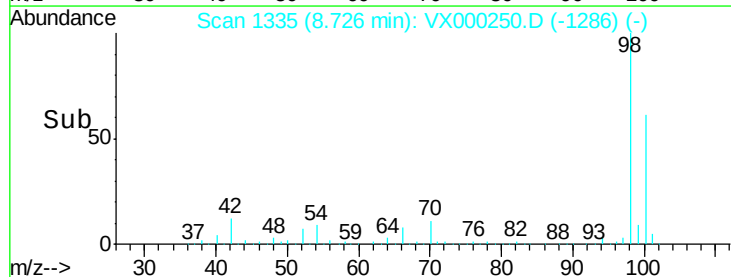
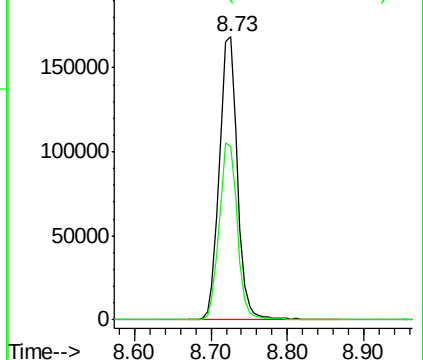


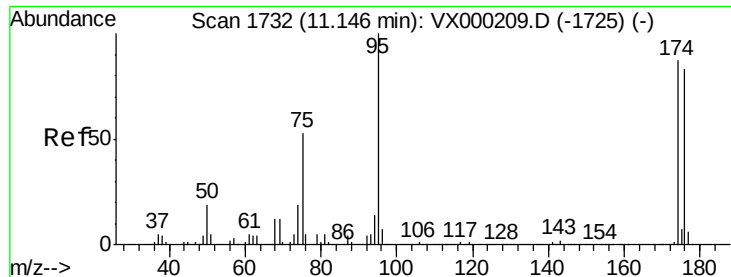
#50
Toluene-d8
Concen: 47.017 ug/l
RT: 8.73 min Scan# 1335
Delta R.T. 0.00 min
Lab File: VX000250.D
Acq: 09 Mar 2018 12:40

Tgt Ion: 98 Resp: 275614
Ion Ratio Lower Upper
98 100
100 63.0 51.2 76.8



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





#62

4-Bromofluorobenzene

Concen: 42.248 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VX000250.D

Acq: 09 Mar 2018 12:40

Instrument :

MSVOA_X

ClientSampleId :

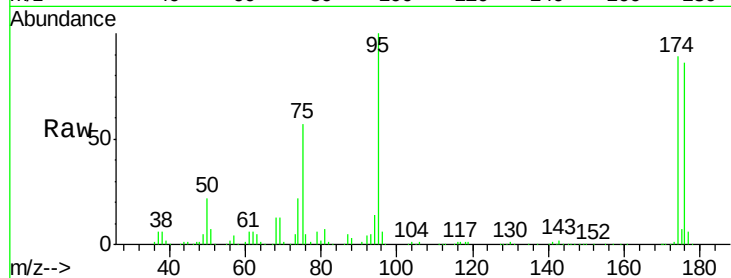
Tot Ion: 95 Resp: 96662

Ion Ratio Lower Upper

95 100

174 89.2 0.0 175.6

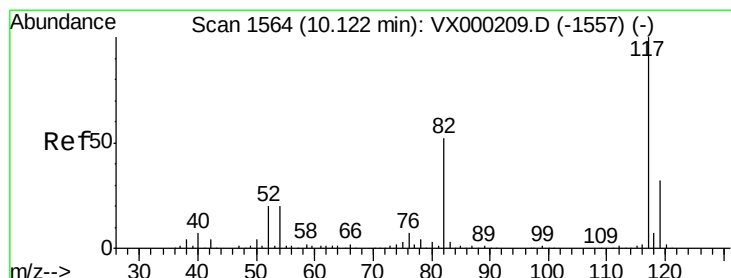
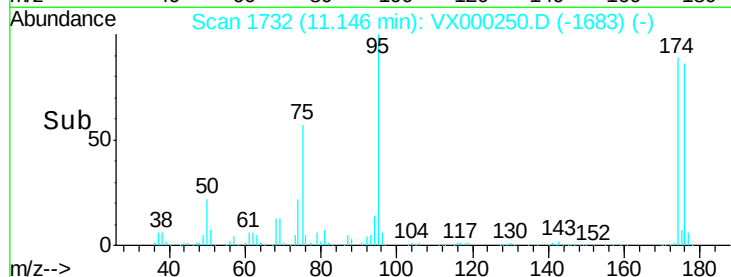
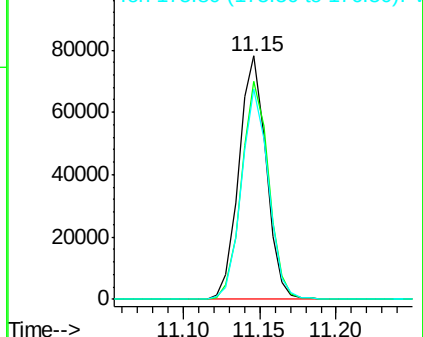
176 85.7 0.0 171.0



Abundance Ion 94.90 (94.60 to 95.60): VX000250.D (-1683) (-)

Ion 173.80 (173.50 to 174.50): VX000250.D (-1683) (-)

Ion 175.80 (175.50 to 176.50): VX000250.D (-1683) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VX000250.D

Acq: 09 Mar 2018 12:40

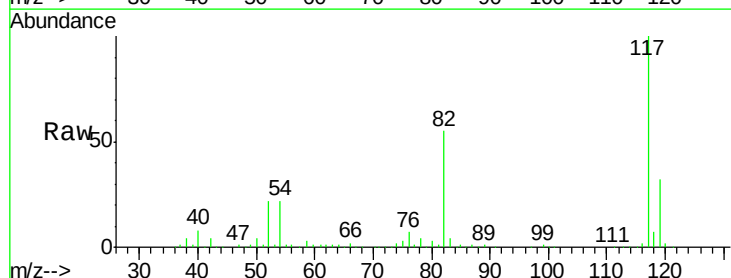
Tgt Ion: 117 Resp: 214911

Ion Ratio Lower Upper

117 100

82 54.6 42.0 63.0

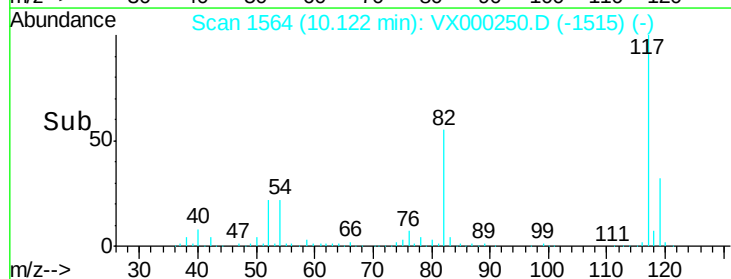
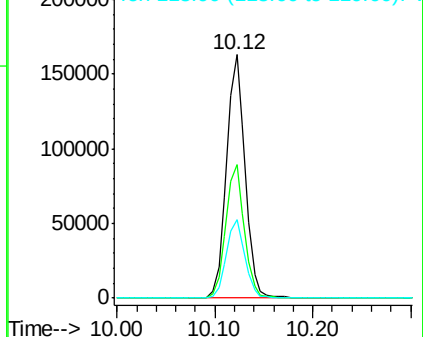
119 32.2 25.3 37.9

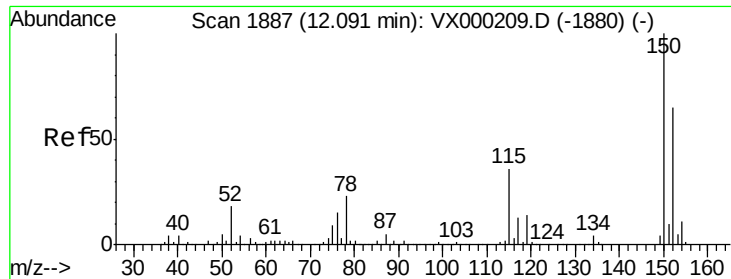


Abundance Ion 116.90 (116.60 to 117.60): VX000250.D (-1515) (-)

Ion 82.00 (81.70 to 82.70): VX000250.D (-1515) (-)

Ion 118.90 (118.60 to 119.60): VX000250.D (-1515) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. -0.01 min

Lab File: VX000250.D

Acq: 09 Mar 2018 12:40

Instrument :

MSVOA_X

ClientSampleId :

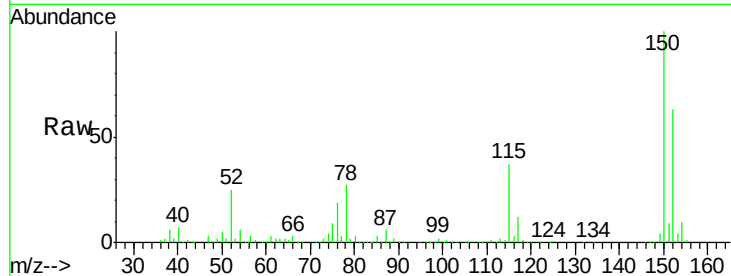
Tot Ion:152 Resp: 115426

Ion Ratio Lower Upper

152 100

115 58.3 39.8 119.3

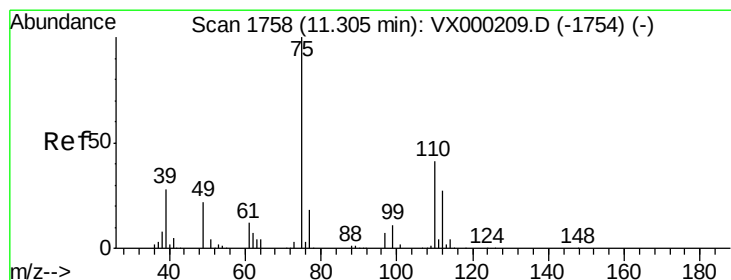
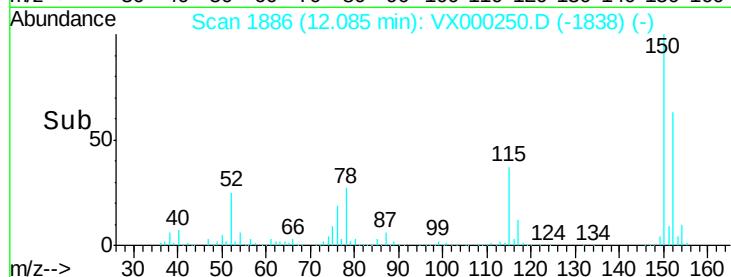
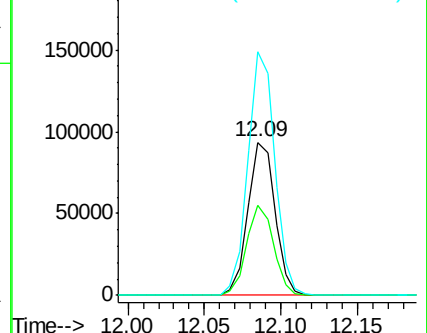
150 158.3 0.0 345.0



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: 24.447 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.16 min

Lab File: VX000250.D

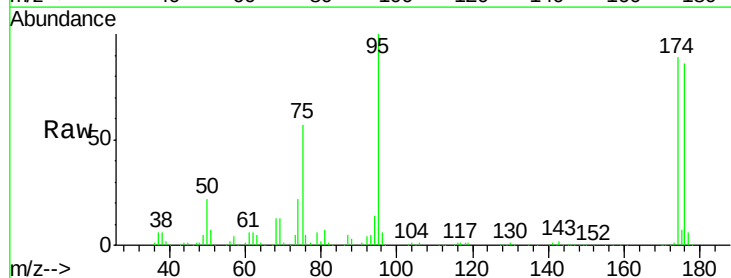
Acq: 09 Mar 2018 12:40

Tgt Ion: 75 Resp: 56565

Ion Ratio Lower Upper

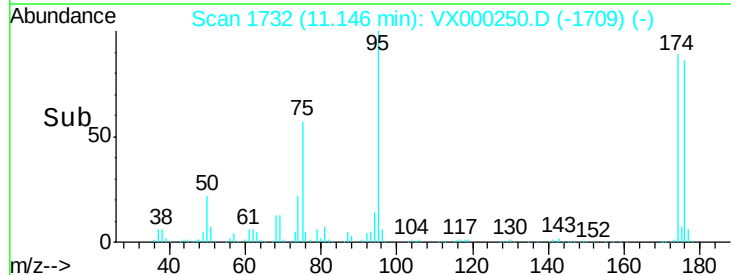
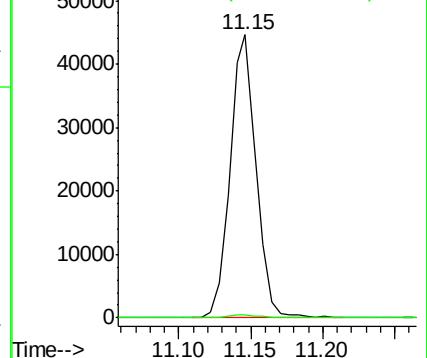
75 100

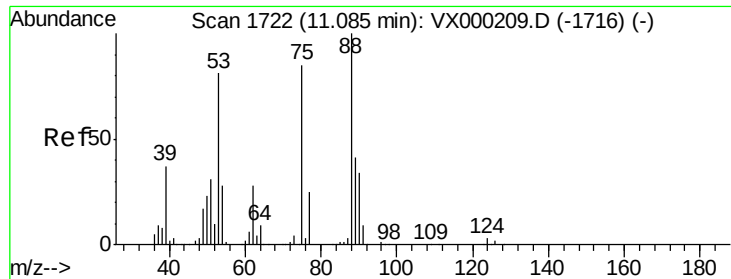
77 1.3 22.3 66.8#



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: 74.861 ug/l
 RT: 11.15 min Scan# 1732
 Delta R.T. 0.06 min
 Lab File: VX000250.D
 Acq: 09 Mar 2018 12:40

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 75 Resp: 56565
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.6 118.0#
 89 0.1 38.8 58.2#

