

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX041618\
 Data File : VX000951.D
 Acq On : 17 Apr 2018 05:50
 Operator : JC/MD
 Sample : J2349-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Apr 17 07:56:52 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X041018W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 10 15:49:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.68	168	266252	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	371570	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	347744	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	229133	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	165221	49.21	ug/l	0.00
Spiked Amount			Recovery	=	98.42%	
35) Dibromofluoromethane	5.51	113	128832	45.00	ug/l	0.00
Spiked Amount			Recovery	=	90.00%	
50) Toluene-d8	8.73	98	515643	48.38	ug/l	0.00
Spiked Amount			Recovery	=	96.76%	
62) 4-Bromofluorobenzene	11.15	95	203947	46.25	ug/l	0.00
Spiked Amount			Recovery	=	92.50%	

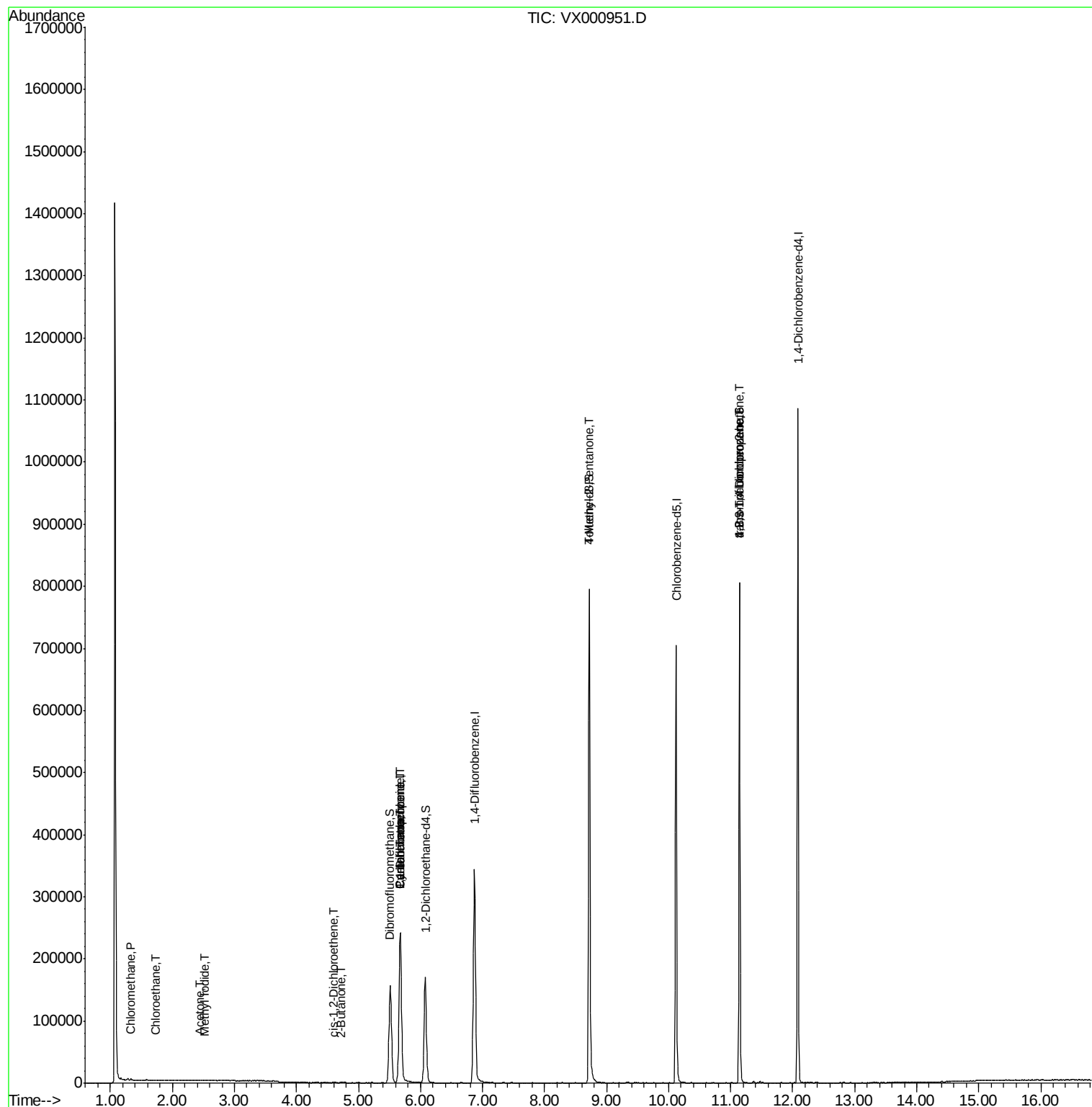
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	951	0.369	ug/l #	87
5) Bromomethane	1.67	94	189	Below Cal		90
6) Chloroethane	1.73	64	804	0.458	ug/l #	43
10) Methyl Iodide	2.52	142	46	8.249	ug/l #	42
16) Acetone	2.44	43	688	0.594	ug/l #	85
25) 2-Butanone	4.72	43	500	0.262	ug/l #	50
27) cis-1,2-Dichloroethene	4.60	96	910	0.298	ug/l	84
31) Cyclohexane	5.67	56	4473	1.011	ug/l #	4
36) 1,1-Dichloropropene	5.67	75	16537	4.041	ug/l #	48
38) Carbon Tetrachloride	5.68	117	22775	4.972	ug/l #	16
51) 4-Methyl-2-Pentanone	8.72	43	2574	0.640	ug/l #	1
76) 1,2,3-Trichloropropane	11.14	75	100014	25.309	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.14	75	100014	69.621	ug/l #	11

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

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX041618\
Data File : VX000951.D
Acq On : 17 Apr 2018 05:50
Operator : JC/MD
Sample : J2349-02
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Apr 17 07:56:52 2018
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X041018W.M
Quant Title : SW846 8260
QLast Update : Tue Apr 10 15:49:28 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.68 min Scan# 835

Delta R.T. 0.01 min

Lab File: VX000951.D

Acq: 17 Apr 2018 05:50

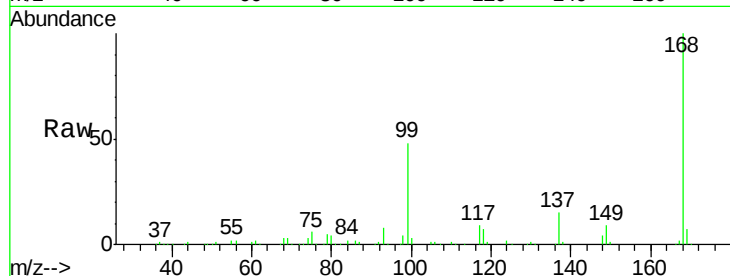
Instrument :
MSVOA_X
ClientSampled :

Tot Ion:168 Resp: 266252

Ion Ratio Lower Upper

168 100

99 47.7 38.3 57.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.68

100000

80000

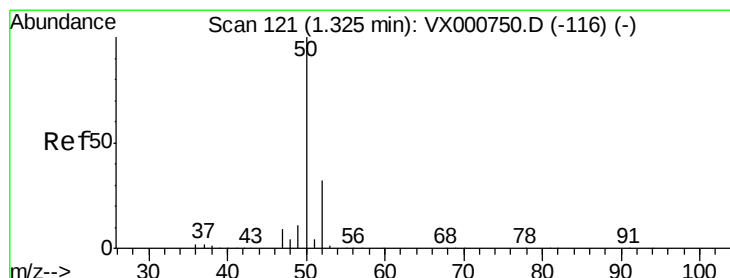
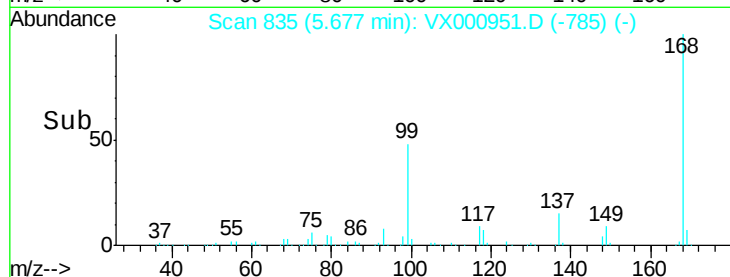
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.369 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX000951.D

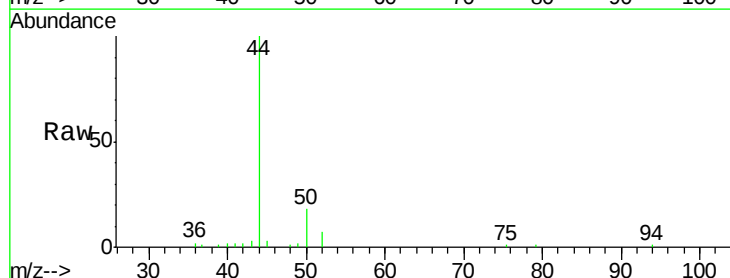
Acq: 17 Apr 2018 05:50

Tgt Ion: 50 Resp: 951

Ion Ratio Lower Upper

50 100

52 39.5 25.8 38.8#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

800

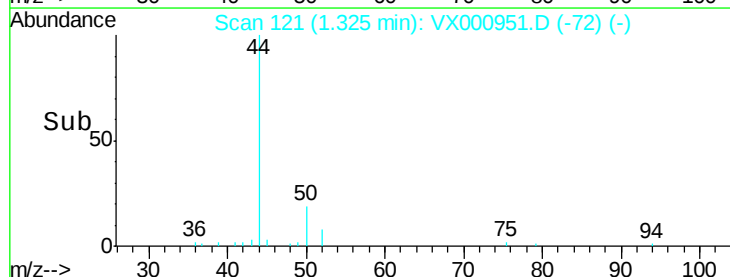
600

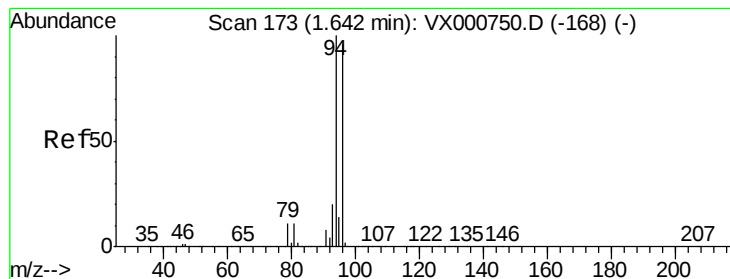
400

200

0

Time--> 1.30 1.35





#5

Bromomethane

Concen: Below Cal

RT: 1.67 min Scan# 177

Delta R.T. 0.02 min

Lab File: VX000951.D

Acq: 17 Apr 2018 05:50

Instrument :

MSVOA_X

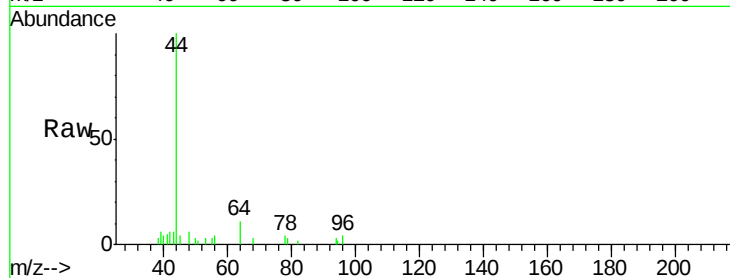
ClientSampled :

Tot Ion: 94 Resp: 189

Ion Ratio Lower Upper

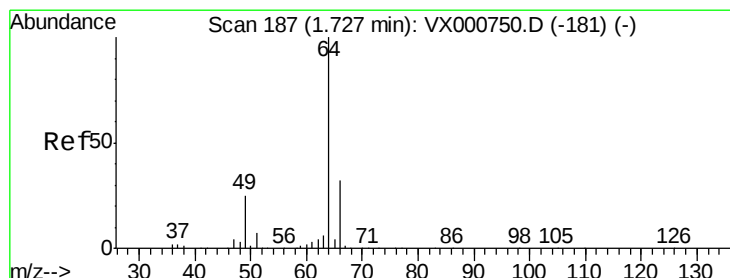
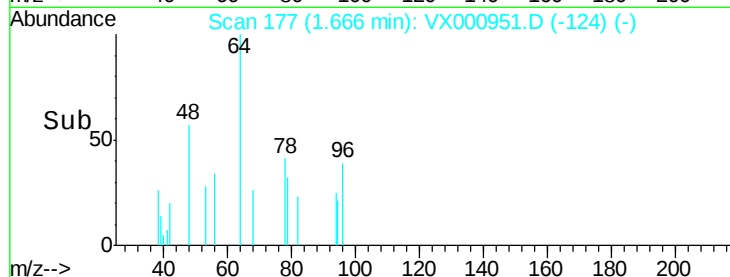
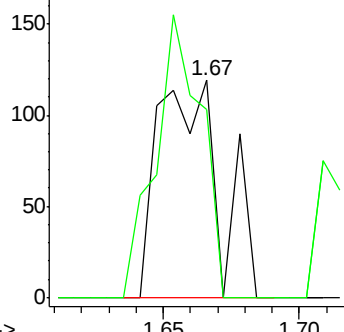
94 100

96 86.6 77.0 115.6



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 0.458 ug/l

RT: 1.73 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX000951.D

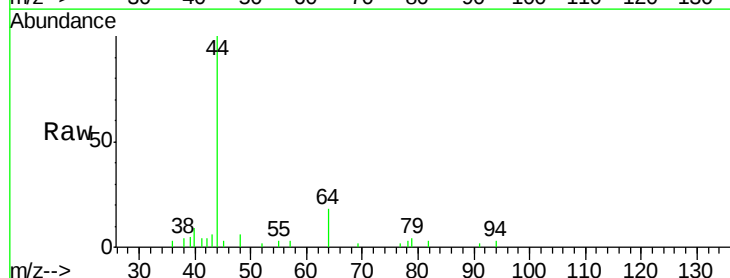
Acq: 17 Apr 2018 05:50

Tgt Ion: 64 Resp: 804

Ion Ratio Lower Upper

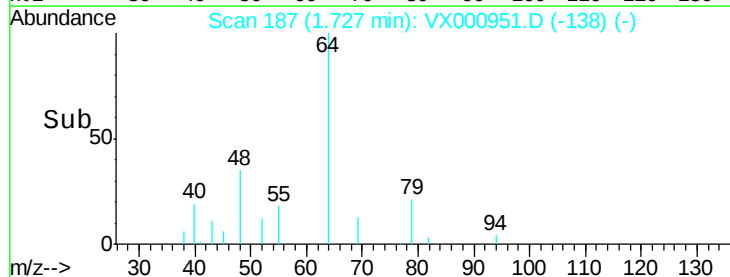
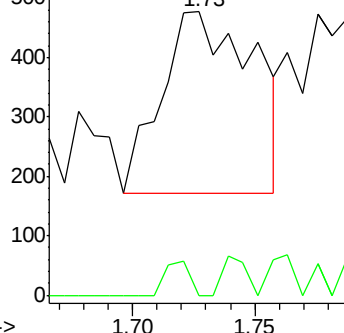
64 100

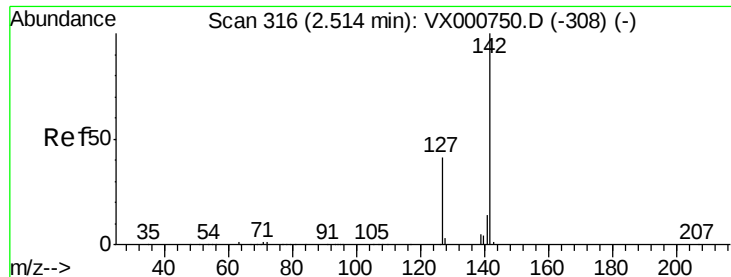
66 0.0 25.3 37.9#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

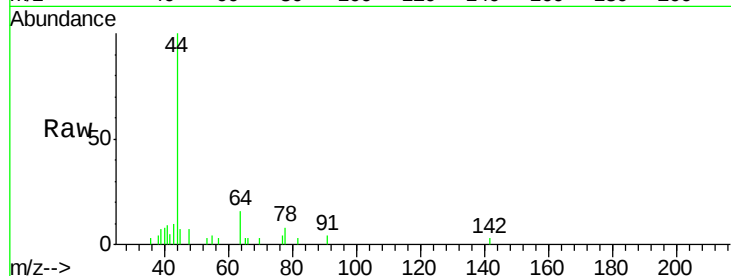




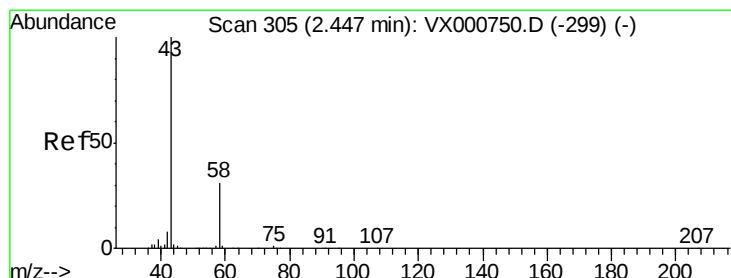
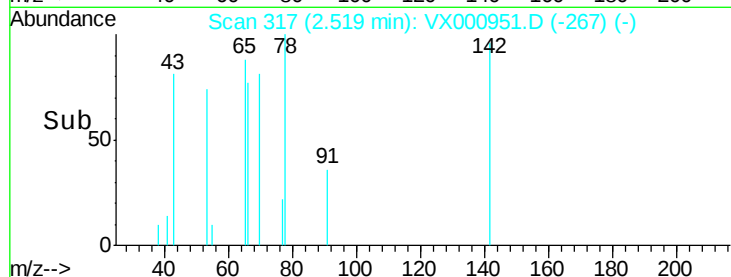
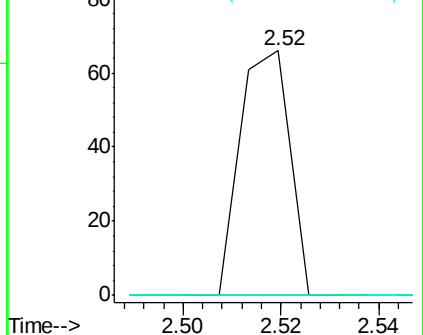
#10
Methvl Iodide
Concen: 8.249 ug/l
RT: 2.52 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX000951.D
Acq: 17 Apr 2018 05:50

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:142 Resp: 46
Ion Ratio Lower Upper
142 100
127 0.0 32.6 49.0#
141 0.0 11.5 17.3#

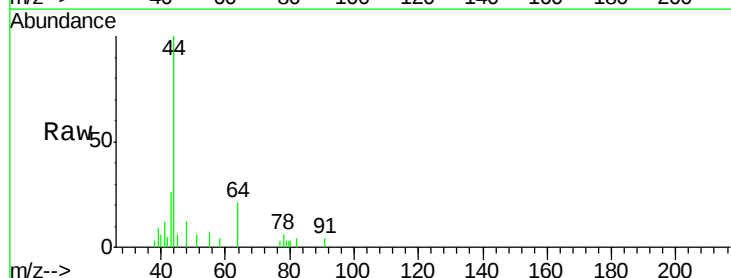


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

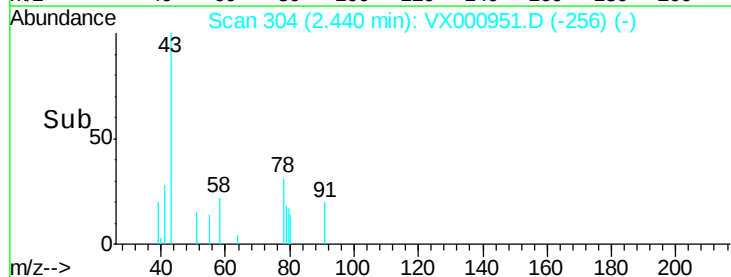
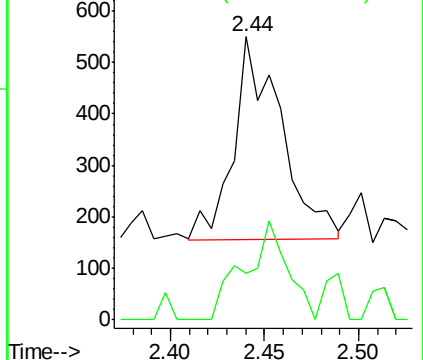


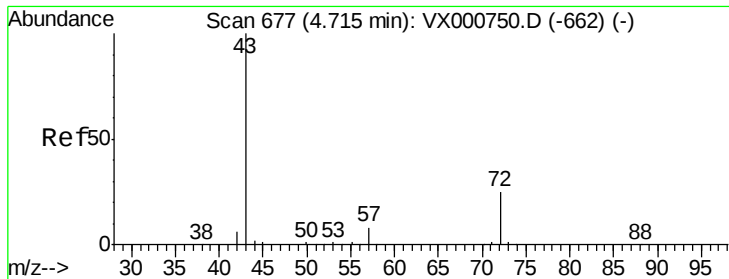
#16
Acetone
Concen: 0.594 ug/l
RT: 2.44 min Scan# 304
Delta R.T. -0.01 min
Lab File: VX000951.D
Acq: 17 Apr 2018 05:50

Tgt Ion: 43 Resp: 688
Ion Ratio Lower Upper
43 100
58 22.7 24.6 37.0#



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0





#25

2-Butanone

Concen: 0.262 ug/l

RT: 4.72 min Scan# 678

Delta R.T. 0.01 min

Lab File: VX000951.D

Acq: 17 Apr 2018 05:50

Instrument :

MSVOA_X

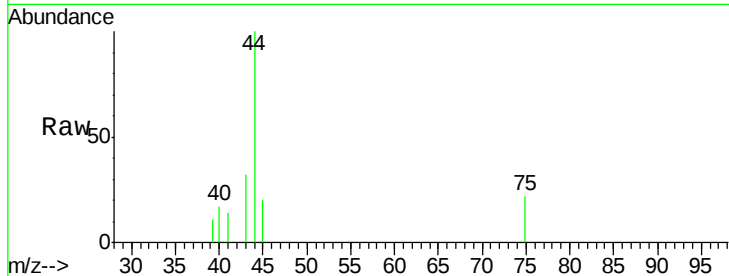
ClientSampleId :

Tot Ion: 43 Resp: 500

Ion Ratio Lower Upper

43 100

72 0.0 20.3 30.5#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

4.72

150

100

50

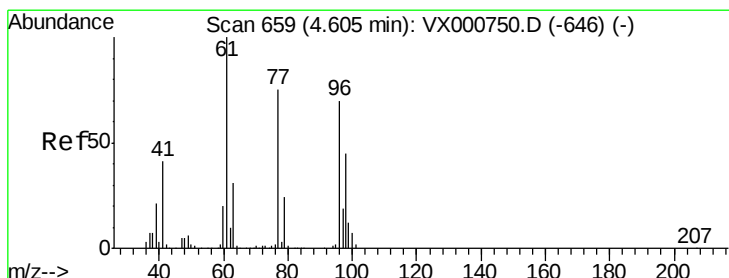
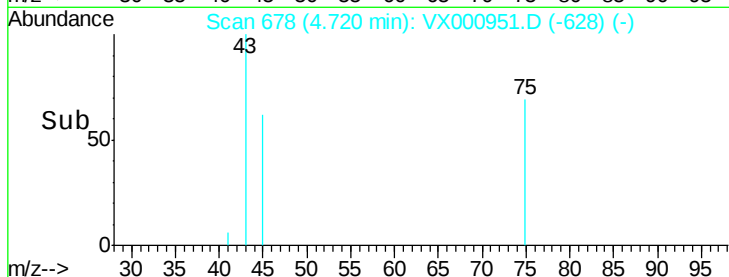
0

4.65

4.70

4.75

Time-->



#27

cis-1,2-Dichloroethene

Concen: 0.298 ug/l

RT: 4.60 min Scan# 658

Delta R.T. -0.01 min

Lab File: VX000951.D

Acq: 17 Apr 2018 05:50

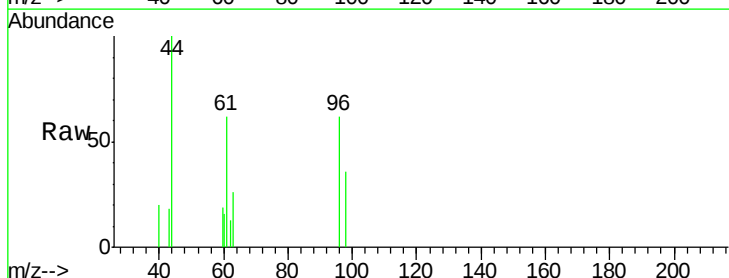
Tgt Ion: 96 Resp: 910

Ion Ratio Lower Upper

96 100

61 120.3 0.0 292.4

98 61.3 0.0 130.2



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

4.60

300

200

100

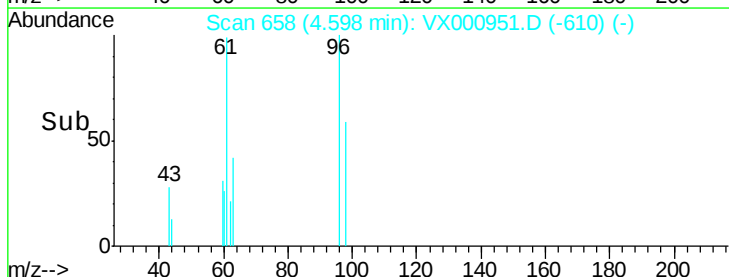
0

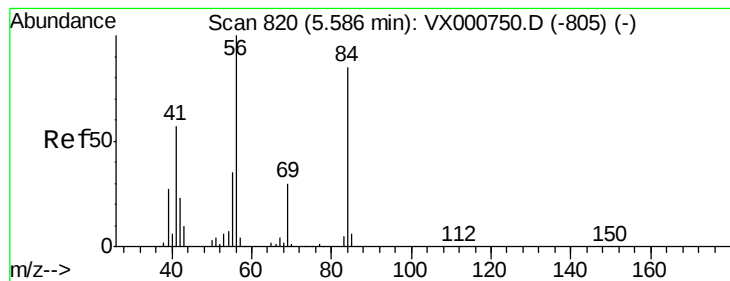
4.55

4.60

4.65

Time-->





#31

Cyclohexane

Concen: 1.011 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.08 min

Lab File: VX000951.D

Acq: 17 Apr 2018 05:50

Instrument :
MSVOA_X
ClientSampleId :

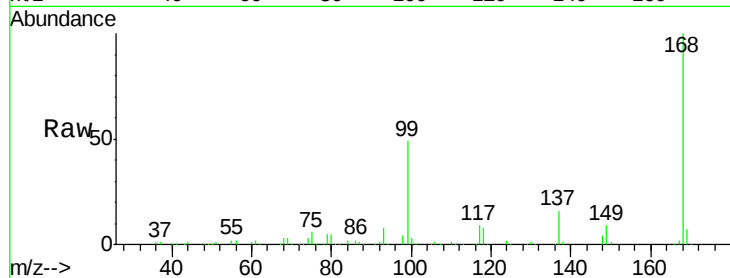
Tot Ion: 56 Resp: 4473

Ion Ratio Lower Upper

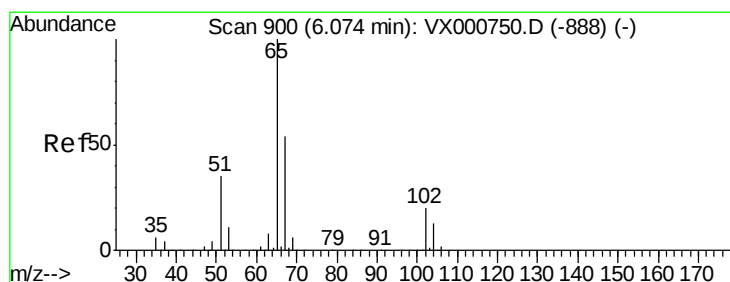
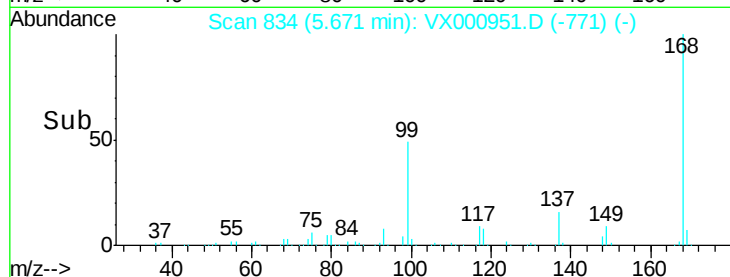
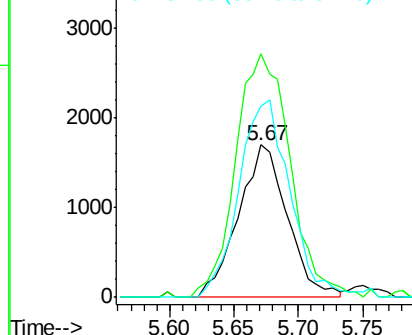
56 100

69 159.8 24.2 36.4#

84 125.8 67.6 101.4#



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: 49.215 ug/l

RT: 6.07 min Scan# 900

Delta R.T. -0.00 min

Lab File: VX000951.D

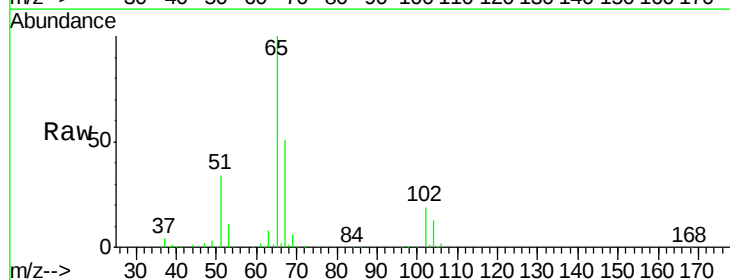
Acq: 17 Apr 2018 05:50

Tgt Ion: 65 Resp: 165221

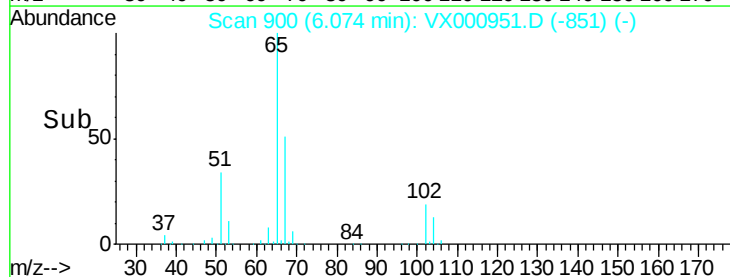
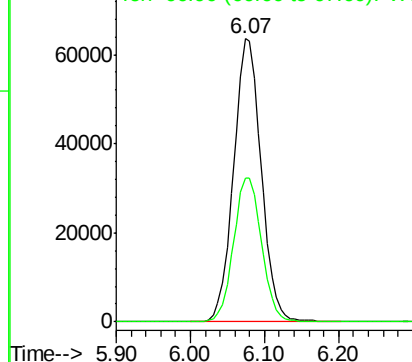
Ion Ratio Lower Upper

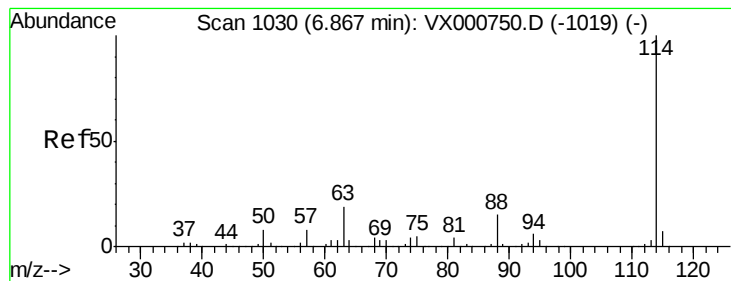
65 100

67 51.8 0.0 103.8



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





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.87 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VX000951.D

Acq: 17 Apr 2018 05:50

Instrument :

MSVOA_X

ClientSampleId :

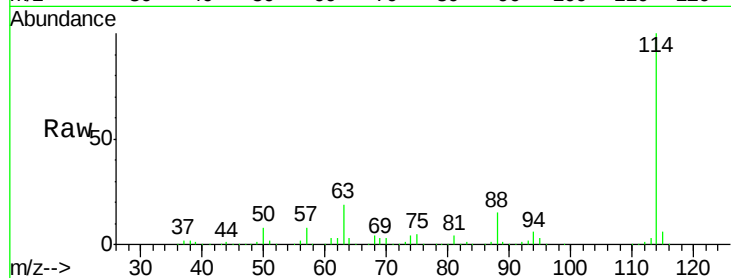
Tot Ion:114 Resp: 371570

Ion Ratio Lower Upper

114 100

63 19.3 0.0 38.4

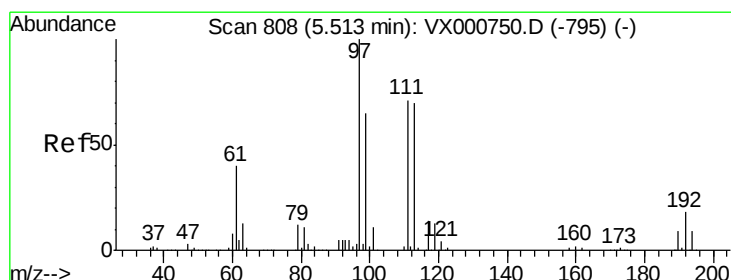
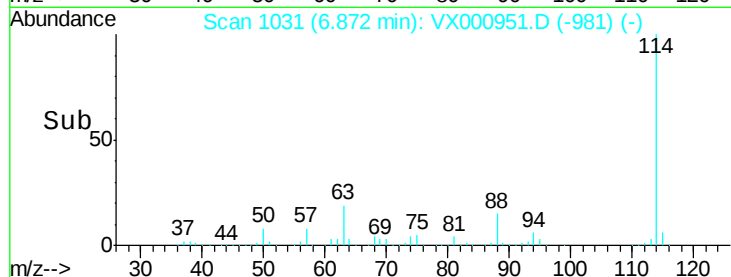
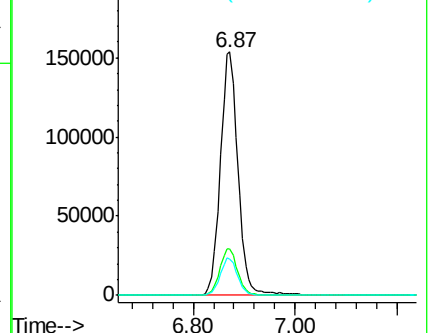
88 14.9 0.0 31.0



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: 45.003 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.00 min

Lab File: VX000951.D

Acq: 17 Apr 2018 05:50

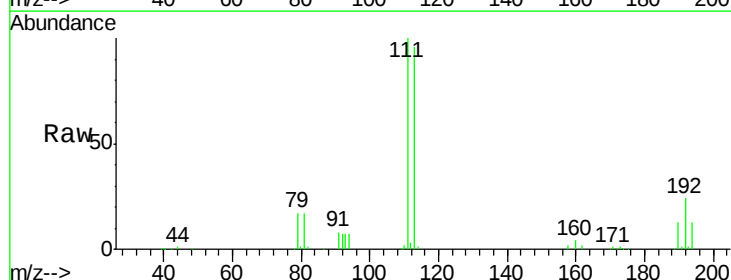
Tgt Ion:113 Resp: 128832

Ion Ratio Lower Upper

113 100

111 102.5 81.5 122.3

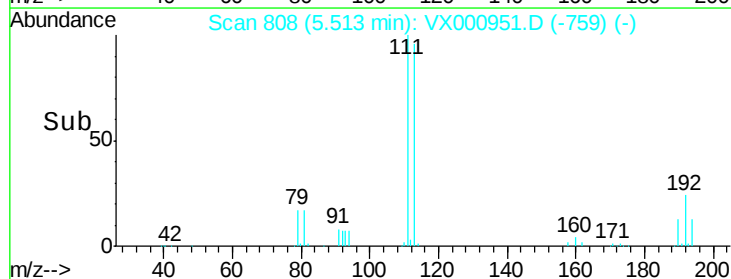
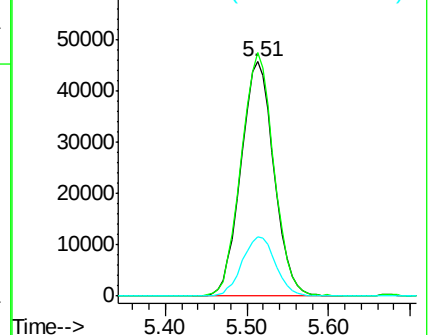
192 25.6 20.4 30.6

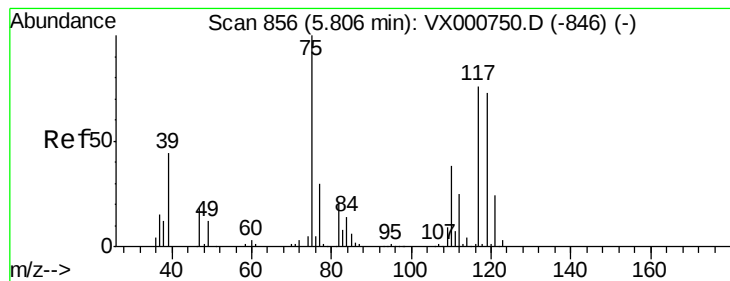


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.041 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.13 min

Lab File: VX000951.D

Acq: 17 Apr 2018 05:50

Instrument :
MSVOA_X
ClientSampleId :

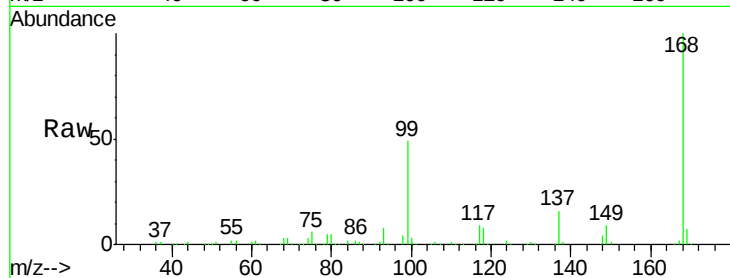
Tot Ion: 75 Resp: 16537

Ion Ratio Lower Upper

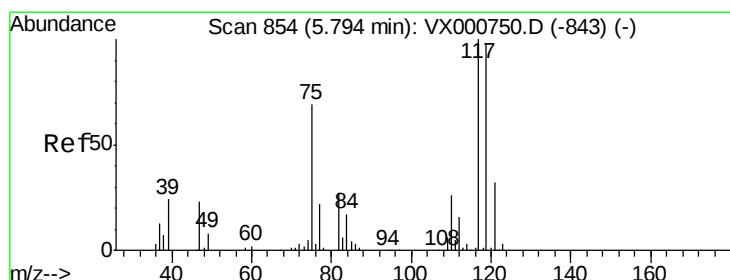
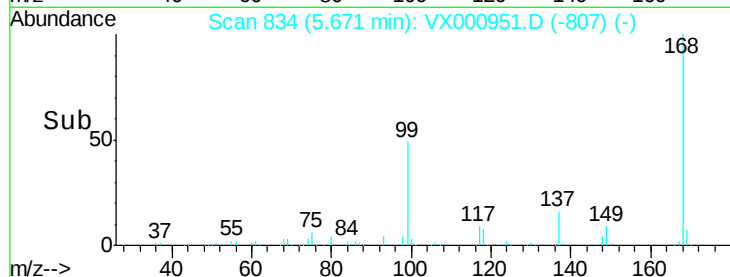
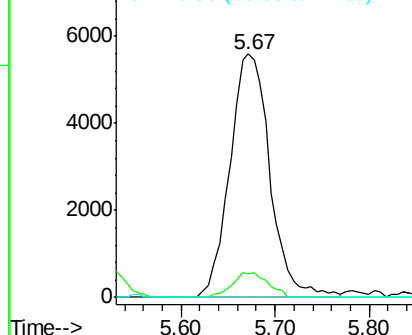
75 100

110 9.2 19.2 57.6#

77 0.0 25.4 38.2#



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: 4.972 ug/l

RT: 5.68 min Scan# 835

Delta R.T. -0.12 min

Lab File: VX000951.D

Acq: 17 Apr 2018 05:50

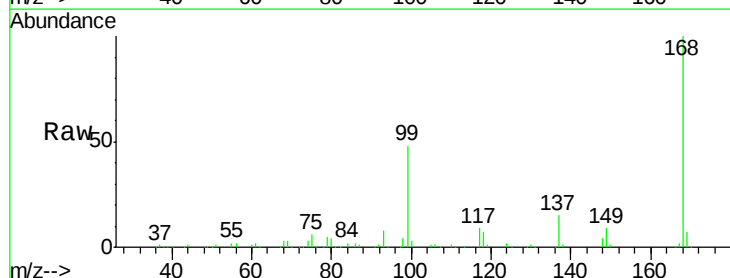
Tgt Ion: 117 Resp: 22775

Ion Ratio Lower Upper

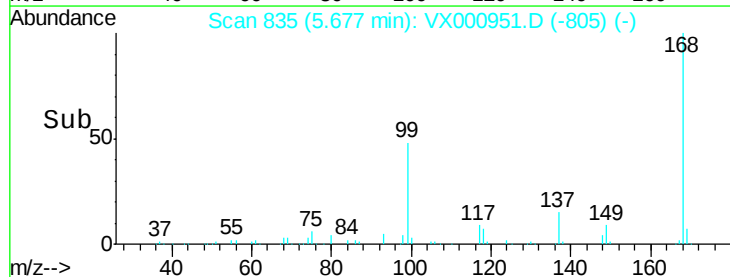
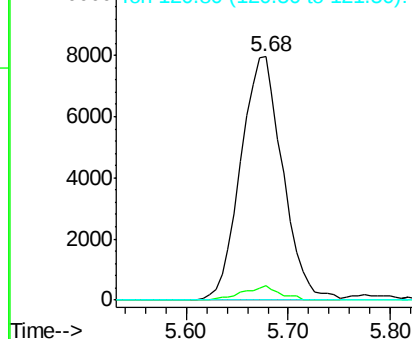
117 100

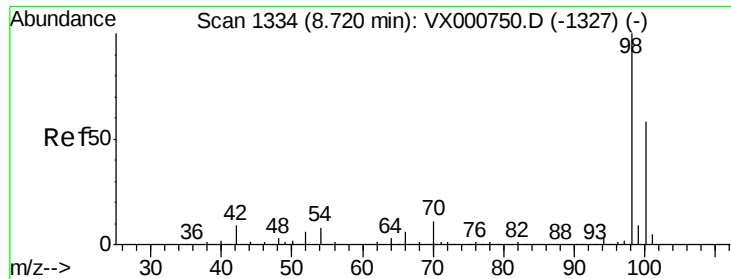
119 5.8 78.4 117.6#

121 0.0 25.4 38.0#



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

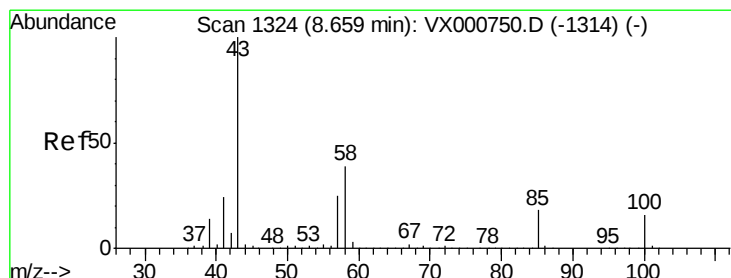
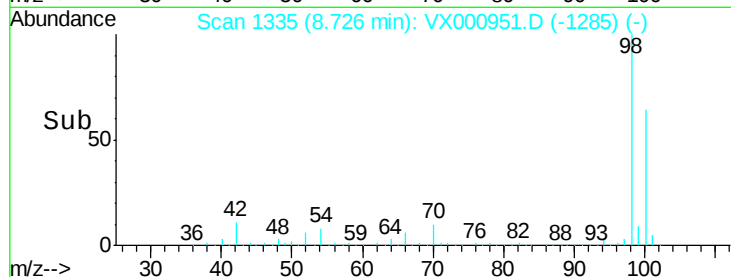
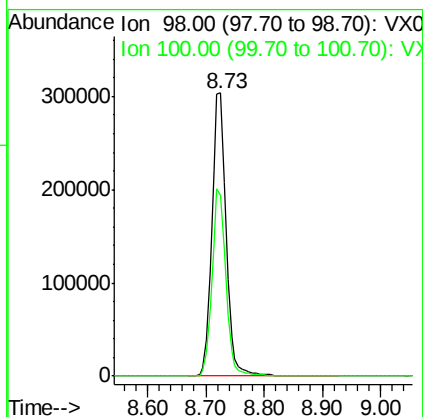
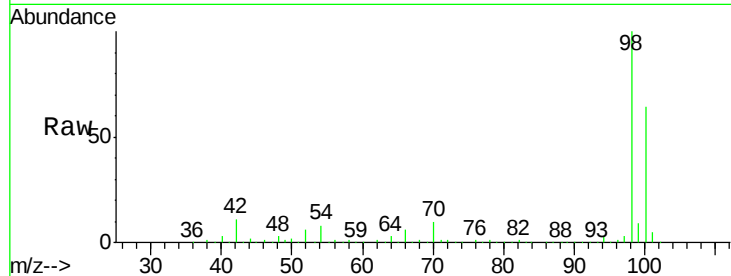




#50
Toluene-d8
Concen: 48.376 ug/l
RT: 8.73 min Scan# 1335
Delta R.T. 0.01 min
Lab File: VX000951.D
Acq: 17 Apr 2018 05:50

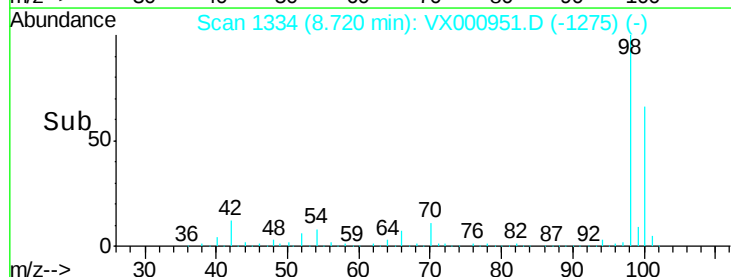
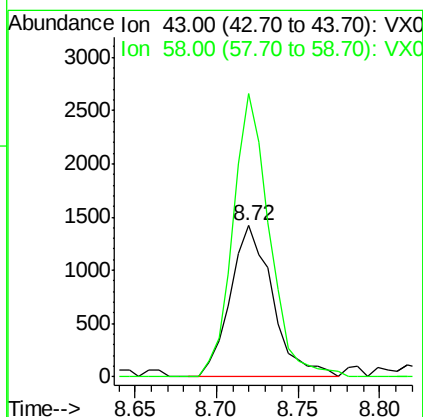
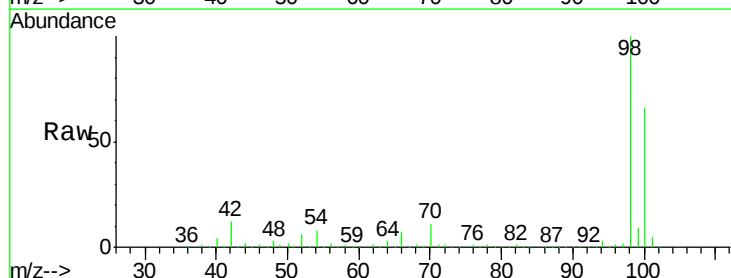
Instrument :
MSVOA_X
ClientSampleId :

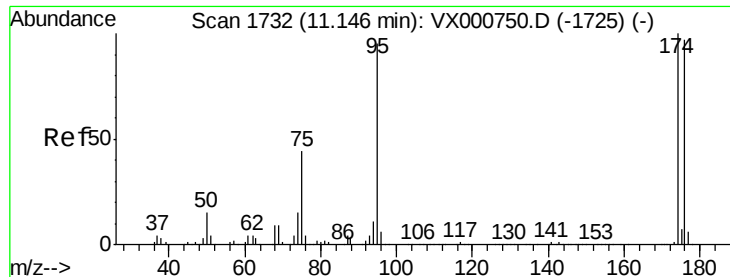
Tot Ion: 98 Resp: 515643
Ion Ratio Lower Upper
98 100
100 64.5 52.6 79.0



#51
4-Methyl-2-Pentanone
Concen: 0.640 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.06 min
Lab File: VX000951.D
Acq: 17 Apr 2018 05:50

Tgt Ion: 43 Resp: 2574
Ion Ratio Lower Upper
43 100
58 161.4 30.3 45.5#

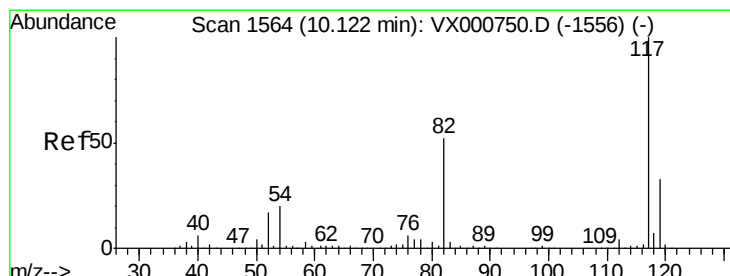
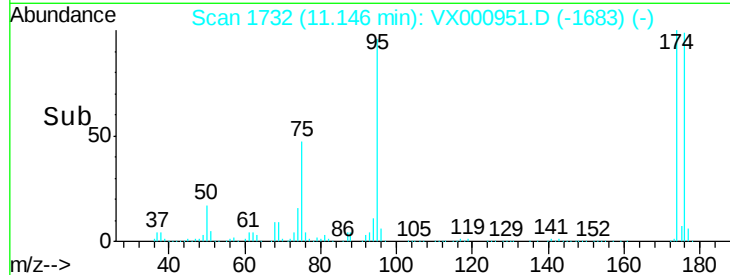
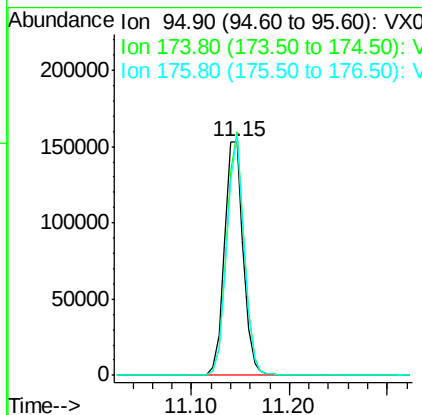
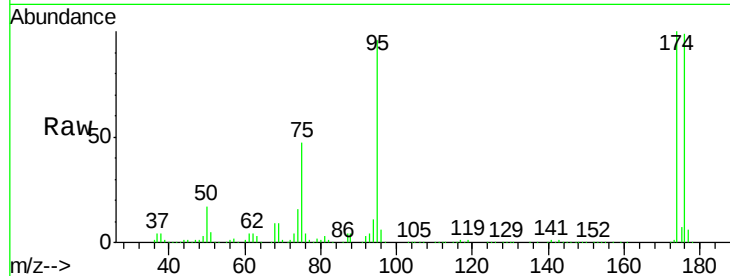




#62
4-Bromofluorobenzene
Concen: 46.247 ug/l
RT: 11.15 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VX000951.D
Acq: 17 Apr 2018 05:50

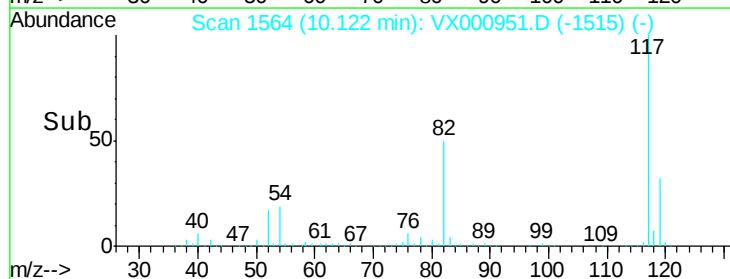
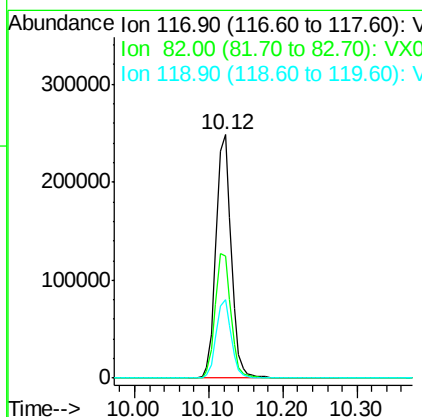
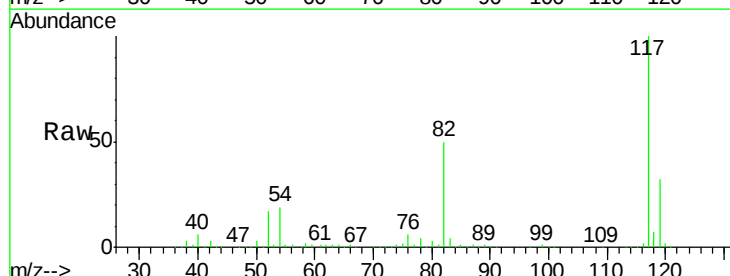
Instrument :
MSVOA_X
ClientSampled :

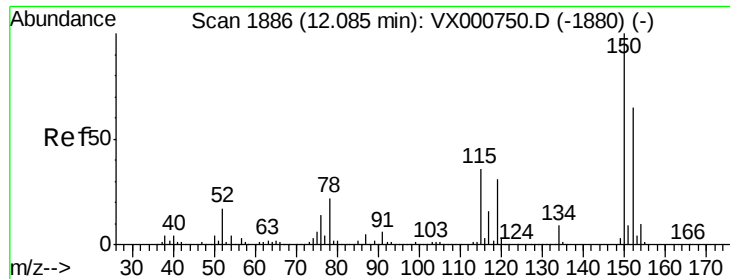
Tot Ion: 95 Resp: 203947
Ion Ratio Lower Upper
95 100
174 97.4 0.0 198.4
176 95.2 0.0 194.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX000951.D
Acq: 17 Apr 2018 05:50

Tgt Ion: 117 Resp: 347744
Ion Ratio Lower Upper
117 100
82 50.1 41.9 62.9
119 32.1 26.0 39.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX000951.D

Acq: 17 Apr 2018 05:50

Instrument :

MSVOA_X

ClientSampleId :

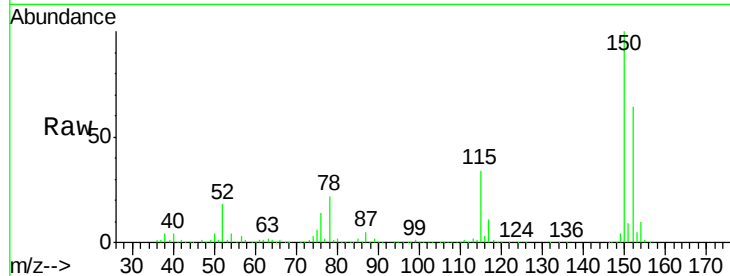
Tot Ion:152 Resp: 229133

Ion Ratio Lower Upper

152 100

115 53.9 37.9 113.7

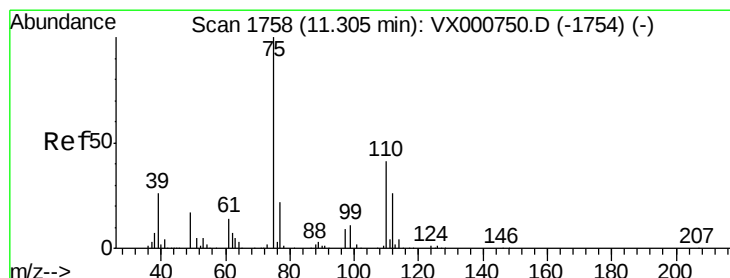
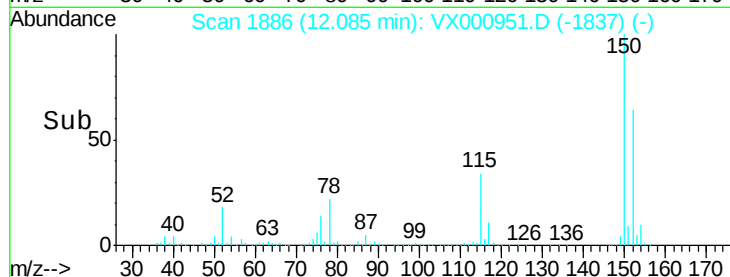
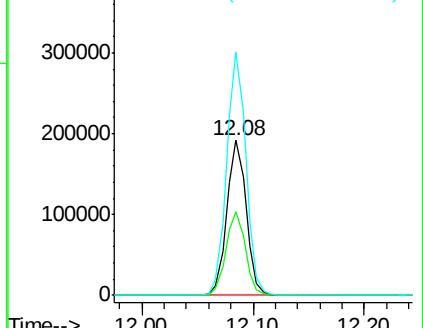
150 156.8 0.0 348.0



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: 25.309 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX000951.D

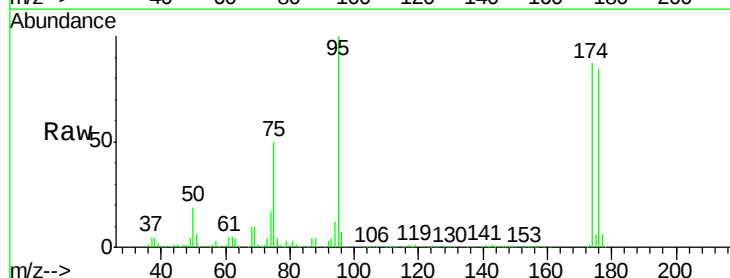
Acq: 17 Apr 2018 05:50

Tgt Ion: 75 Resp: 100014

Ion Ratio Lower Upper

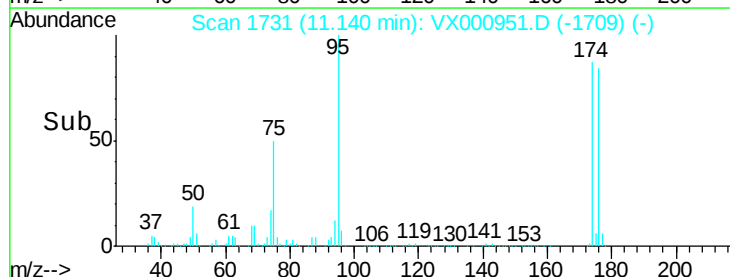
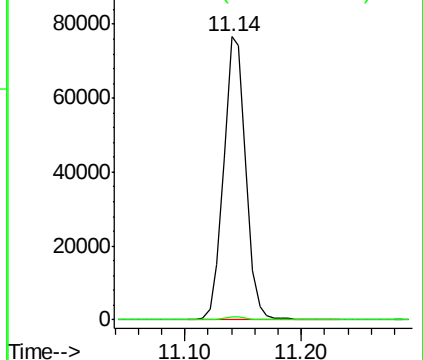
75 100

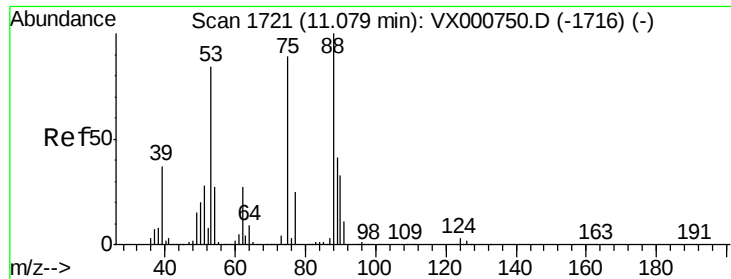
77 1.2 20.5 61.5#



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: 69.621 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

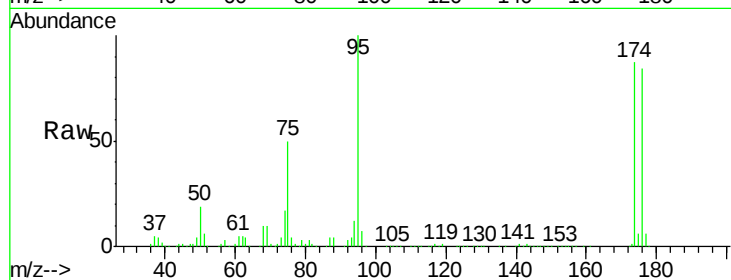
Lab File: VX000951.D

Acq: 17 Apr 2018 05:50

Instrument :

MSVOA_X

ClientSampleId :



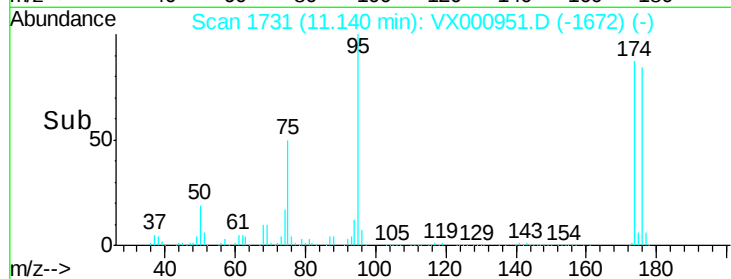
Tot Ion: 75 Resp: 100014

Ion Ratio Lower Upper

75 100

53 0.0 75.4 113.0#

89 0.0 40.9 61.3#



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

