

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081318\
 Data File : VX003992.D
 Acq On : 13 Aug 2018 11:35
 Operator : JC/MD
 Sample : VX0813WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0813WBL01

Quant Time: Aug 14 03:04:59 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080618W.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 13 01:34:27 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	284857	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	447343	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	412144	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	215668	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	198256	52.50	ug/l	0.00
Spiked Amount			Recovery	=	105.00%	
35) Dibromofluoromethane	5.50	113	169377	49.98	ug/l	0.00
Spiked Amount			Recovery	=	99.96%	
50) Toluene-d8	8.71	98	642785	48.77	ug/l	0.00
Spiked Amount			Recovery	=	97.54%	
62) 4-Bromofluorobenzene	11.14	95	206066	48.32	ug/l	0.00
Spiked Amount			Recovery	=	96.64%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	939	0.38	ug/l #	70
6) Chloroethane	1.72	64	5152	2.06	ug/l #	43
11) Tert butyl alcohol	3.03	59	457	0.50	ug/l #	73
13) Acrolein	2.28	56	456	0.91	ug/l	95
15) Acrylonitrile	3.14	53	837	0.39	ug/l #	78
16) Acetone	2.43	43	962	0.43	ug/l #	81
17) Carbon Disulfide	2.57	76	2794	0.30	ug/l #	93
29) Tetrahydrofuran	5.15	42	2067	1.19	ug/l #	76
36) 1,1-Dichloropropene	5.65	75	19589	3.91	ug/l #	50
38) Carbon Tetrachloride	5.66	117	25418	5.33	ug/l #	15
76) 1,2,3-Trichloropropane	11.14	75	101818	21.37	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.14	75	101818	65.14	ug/l #	9
94) Hexachlorobutadiene	13.79	225	673	0.26	ug/l	93

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.66 min Scan# 832

Delta R.T. -0.01 min

Lab File: VX003992.D

Acq: 13 Aug 2018 11:35

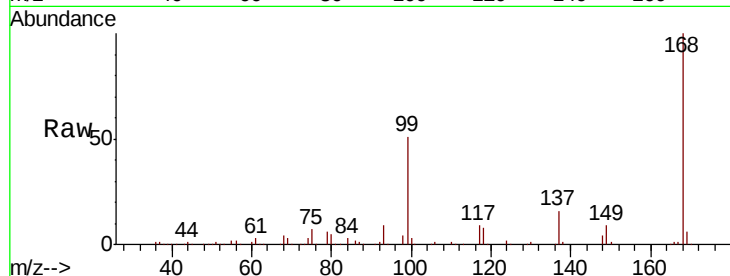
Instrument :
MSVOA_X
ClientSampleId :
VX0813WBL01

Tot Ion:168 Resp: 284857

Ion Ratio Lower Upper

168 100

99 51.4 40.1 60.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

120000

100000

80000

60000

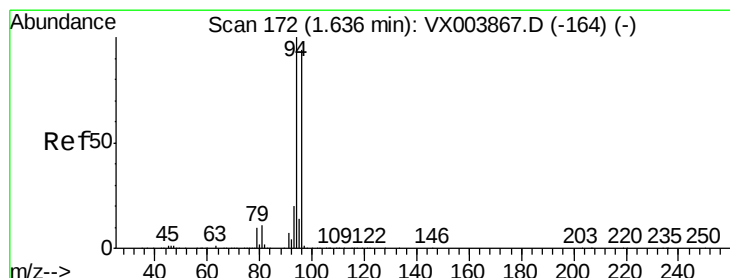
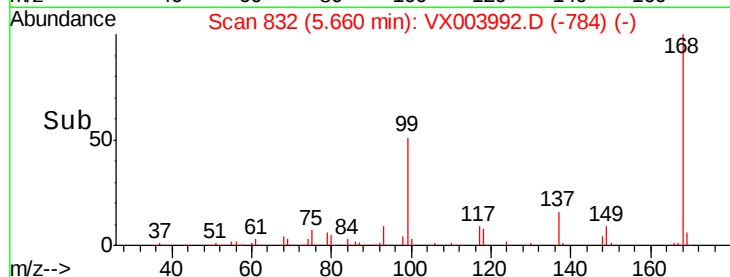
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.38 ug/l

RT: 1.65 min Scan# 175

Delta R.T. 0.02 min

Lab File: VX003992.D

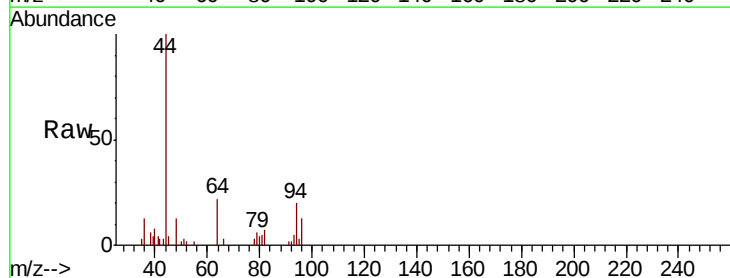
Acq: 13 Aug 2018 11:35

Tgt Ion: 94 Resp: 939

Ion Ratio Lower Upper

94 100

96 64.9 75.2 112.8#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

600

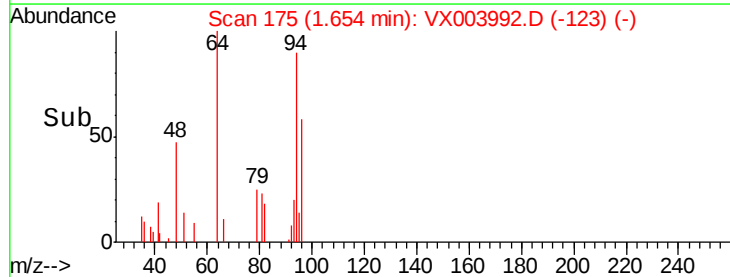
400

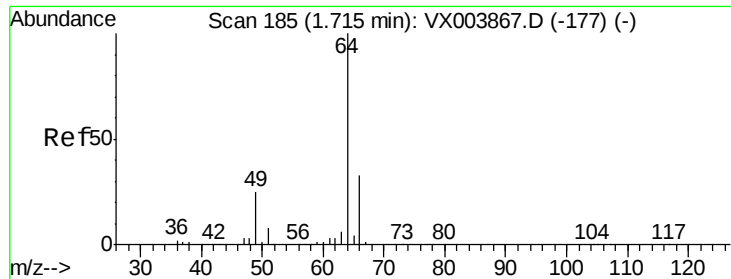
200

0

Time-->

1.60 1.65 1.70





#6

Chloroethane

Concen: 2.06 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.01 min

Lab File: VX003992.D

Acq: 13 Aug 2018 11:35

Instrument :

MSVOA_X

ClientSampleId :

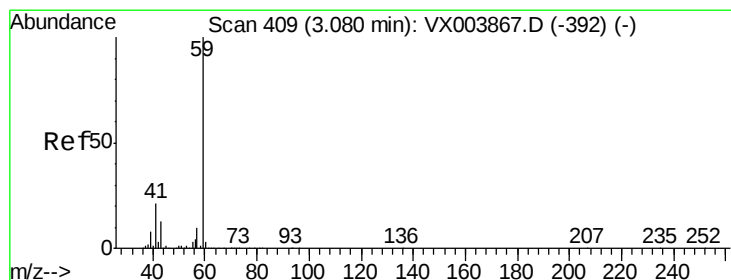
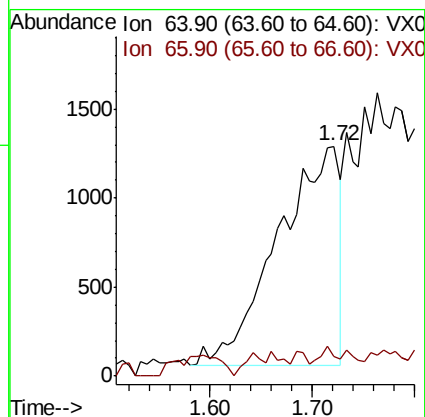
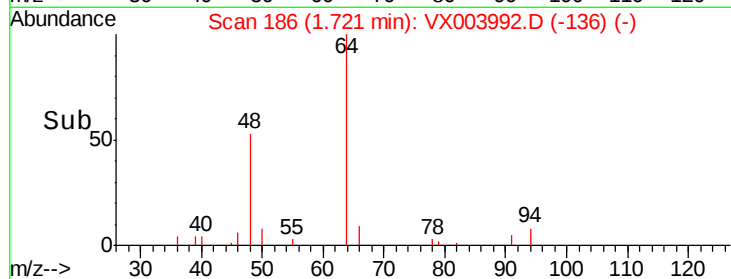
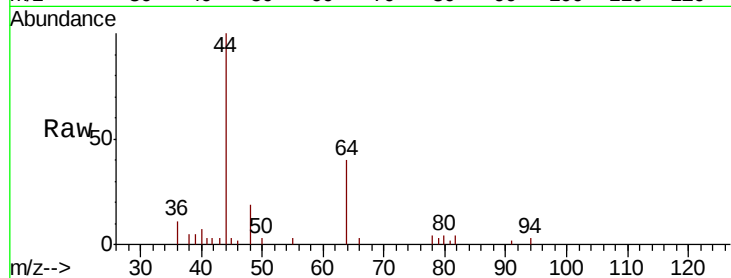
VX0813WBL01

Tot Ion: 64 Resp: 5152

Ion Ratio Lower Upper

64 100

66 0.9 26.5 39.7#



#11

Tert butyl alcohol

Concen: 0.50 ug/l

RT: 3.03 min Scan# 400

Delta R.T. -0.05 min

Lab File: VX003992.D

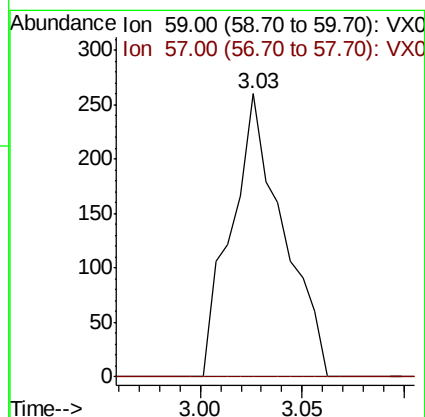
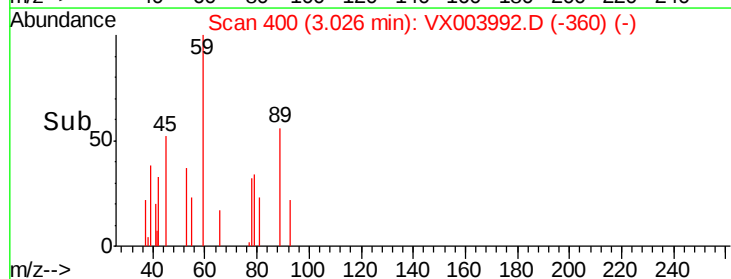
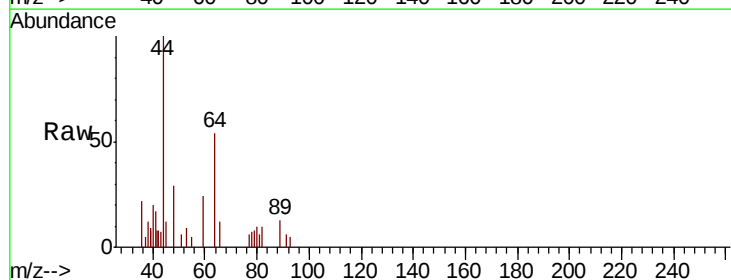
Acq: 13 Aug 2018 11:35

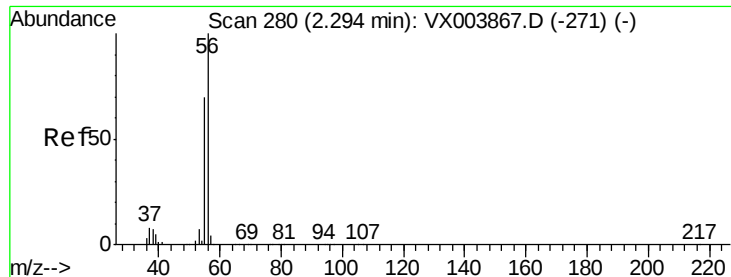
Tgt Ion: 59 Resp: 457

Ion Ratio Lower Upper

59 100

57 0.0 8.1 12.1#





#13

Acrolein

Concen: 0.91 ug/l

RT: 2.28 min Scan# 278

Delta R.T. -0.01 min

Lab File: VX003992.D

Acq: 13 Aug 2018 11:35

Instrument :

MSVOA_X

ClientSampleId :

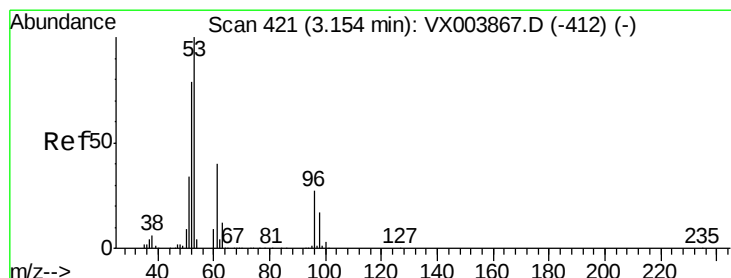
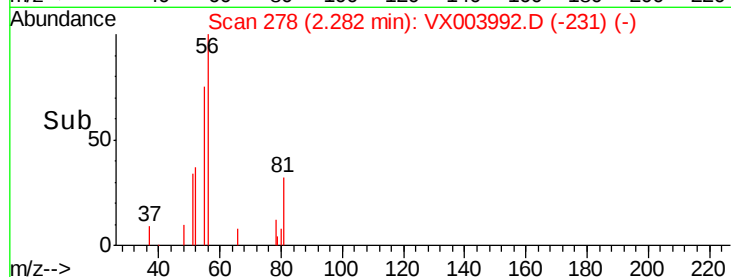
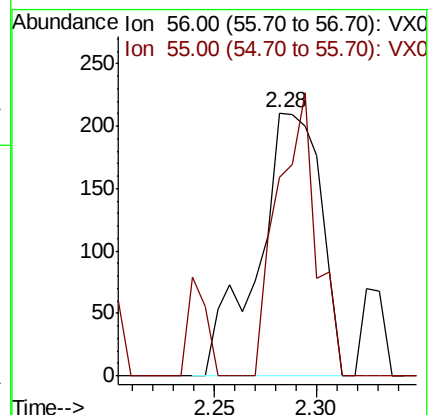
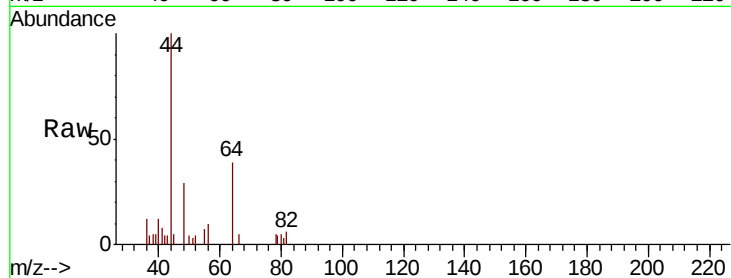
VX0813WBL01

Tot Ion: 56 Resp: 456

Ion Ratio Lower Upper

56 100

55 66.2 56.1 84.1



#15

Acrylonitrile

Concen: 0.39 ug/l

RT: 3.14 min Scan# 419

Delta R.T. -0.01 min

Lab File: VX003992.D

Acq: 13 Aug 2018 11:35

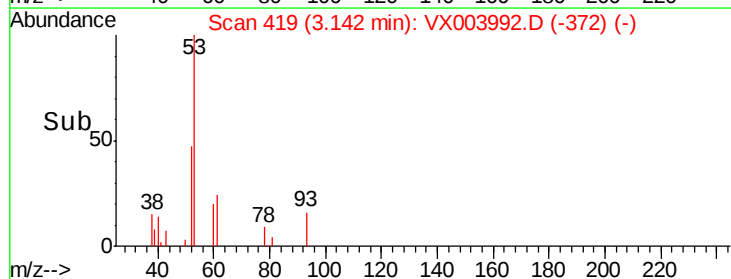
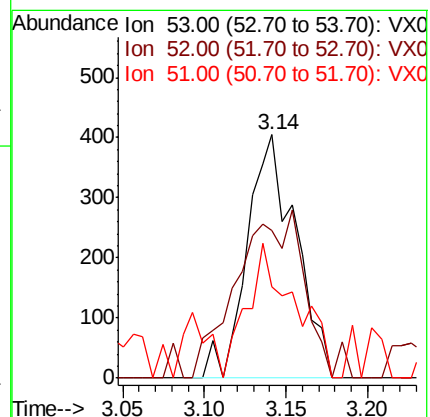
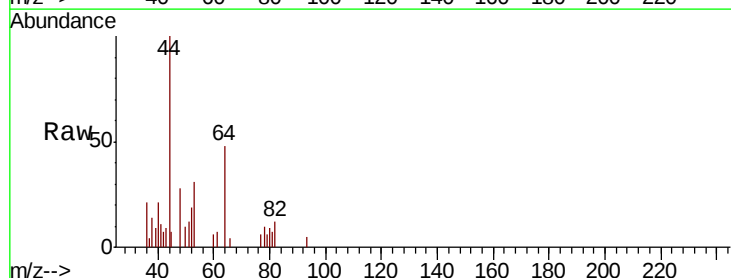
Tgt Ion: 53 Resp: 837

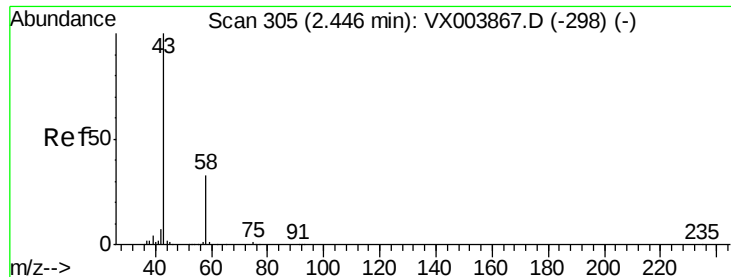
Ion Ratio Lower Upper

53 100

52 96.1 65.3 97.9

51 54.7 27.9 41.9#





#16

Acetone

Concen: 0.43 ug/l

RT: 2.43 min Scan# 303

Delta R.T. -0.01 min

Lab File: VX003992.D

Acq: 13 Aug 2018 11:35

Instrument :

MSVOA_X

ClientSampleId :

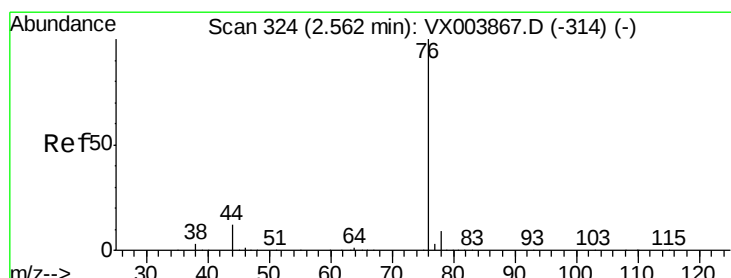
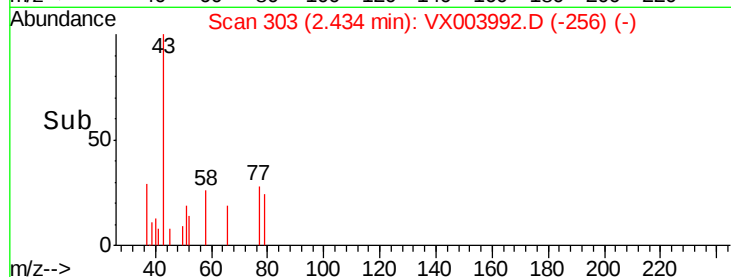
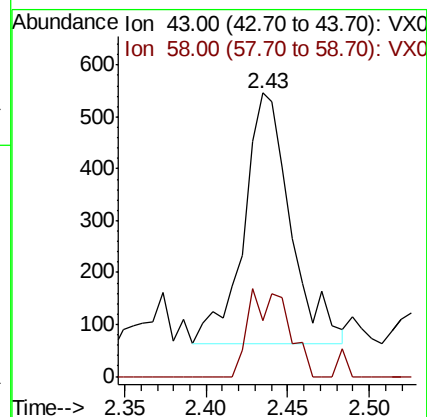
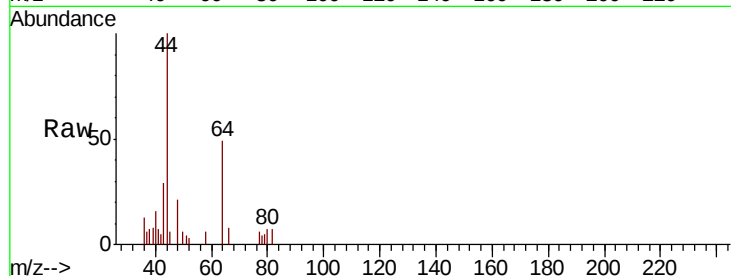
VX0813WBL01

Tot Ion: 43 Resp: 962

Ion Ratio Lower Upper

43 100

58 22.4 26.4 39.6#



#17

Carbon Disulfide

Concen: 0.30 ug/l

RT: 2.57 min Scan# 326

Delta R.T. 0.01 min

Lab File: VX003992.D

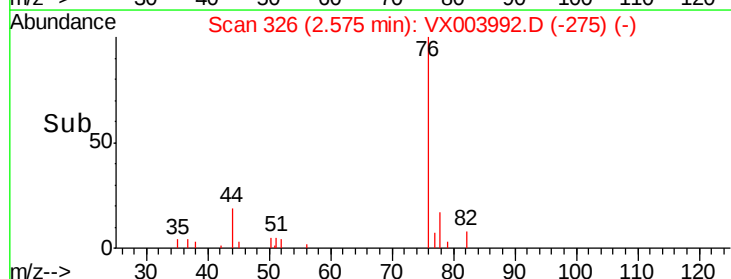
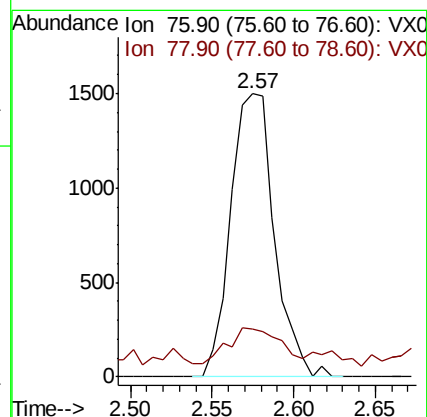
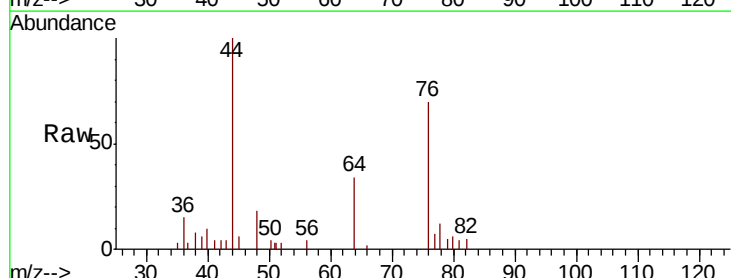
Acq: 13 Aug 2018 11:35

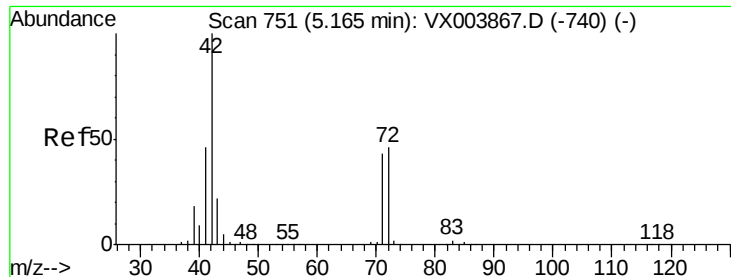
Tgt Ion: 76 Resp: 2794

Ion Ratio Lower Upper

76 100

78 12.1 7.5 11.3#





#29

Tetrahydrofuran

Concen: 1.19 ug/l

RT: 5.15 min Scan# 749

Delta R.T. -0.01 min

Lab File: VX003992.D

Acq: 13 Aug 2018 11:35

Instrument :

MSVOA_X

ClientSampleId :

VX0813WBL01

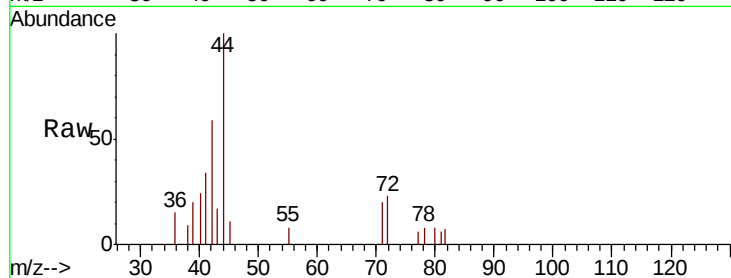
Tot Ion: 42 Resp: 2067

Ion Ratio Lower Upper

42 100

72 24.9 37.7 56.5#

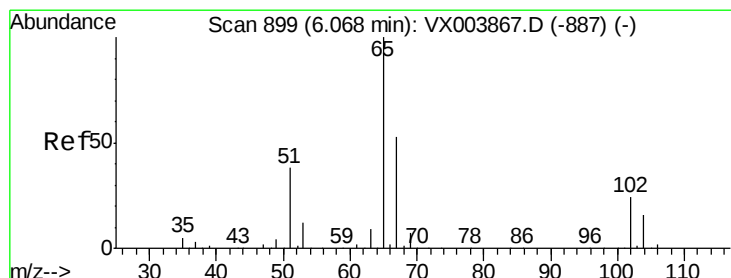
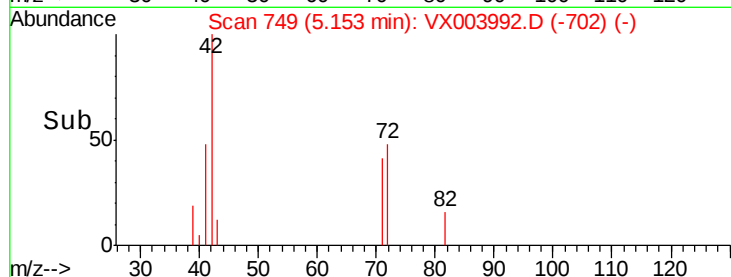
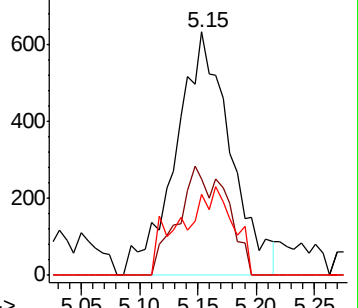
71 34.8 35.0 52.6#



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 52.50 ug/l

RT: 6.07 min Scan# 899

Delta R.T. 0.00 min

Lab File: VX003992.D

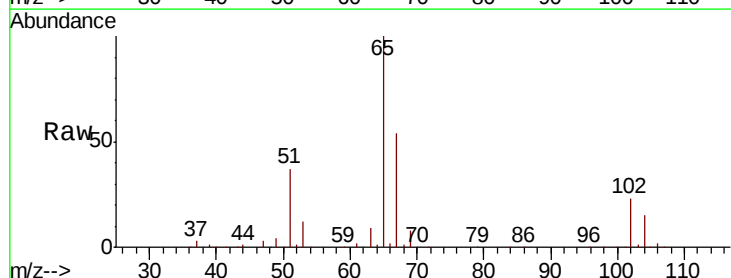
Acq: 13 Aug 2018 11:35

Tgt Ion: 65 Resp: 198256

Ion Ratio Lower Upper

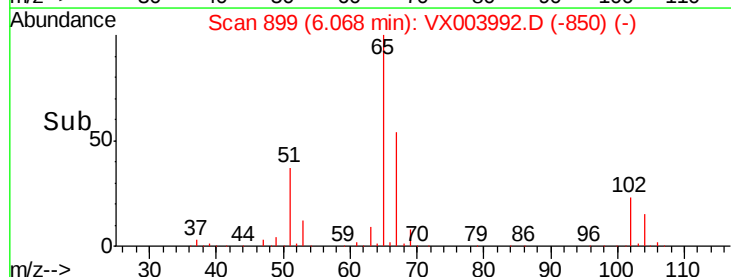
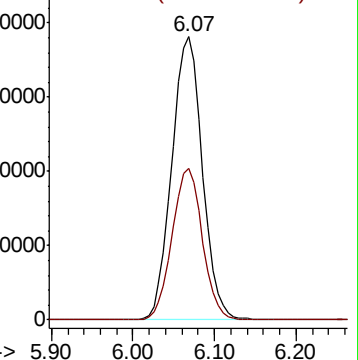
65 100

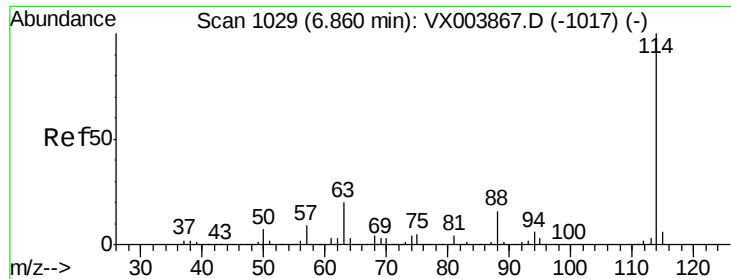
67 53.0 0.0 105.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

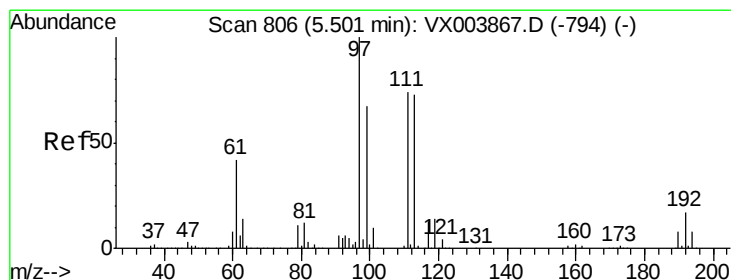
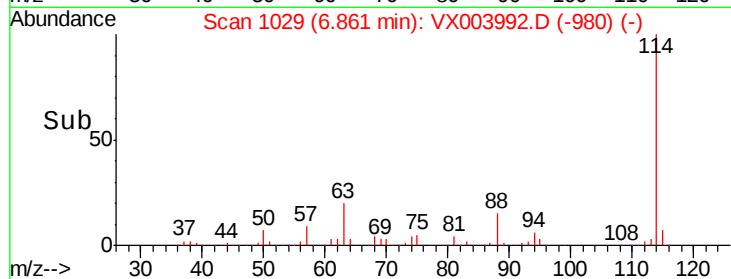
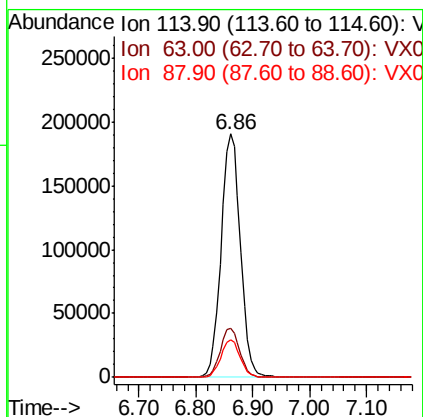
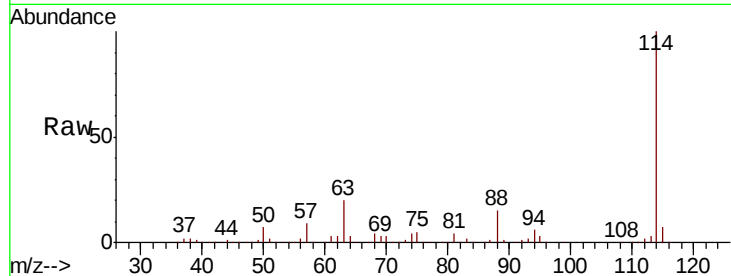




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. 0.00 min
 Lab File: VX003992.D
 Acq: 13 Aug 2018 11:35

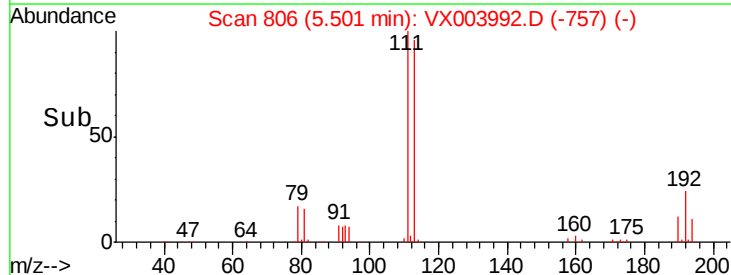
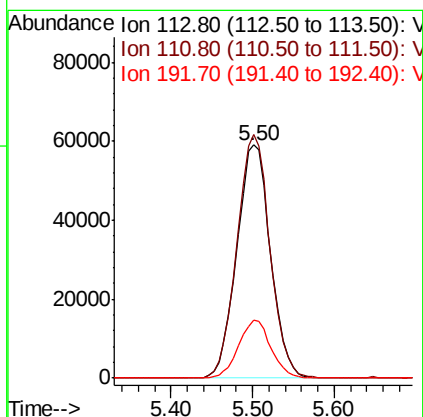
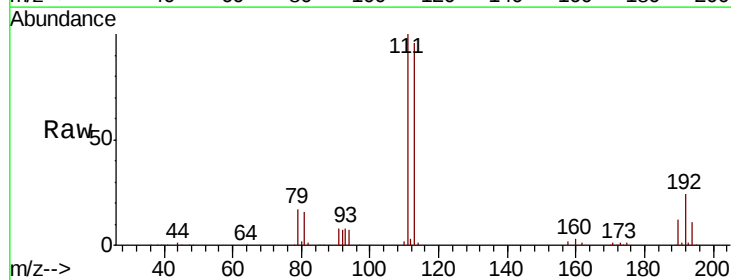
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0813WBL01

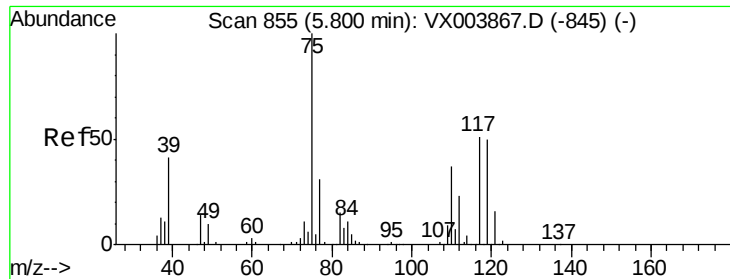
Tot Ion:114 Resp: 447343
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 39.0
 88 15.4 0.0 32.0



#35
 Dibromofluoromethane
 Concen: 49.98 ug/l
 RT: 5.50 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX003992.D
 Acq: 13 Aug 2018 11:35

Tgt Ion:113 Resp: 169377
 Ion Ratio Lower Upper
 113 100
 111 102.0 82.0 123.0
 192 23.8 19.0 28.4





#36

1,1-Dichloropropene

Concen: 3.91 ug/l

RT: 5.65 min Scan# 831

Delta R.T. -0.15 min

Lab File: VX003992.D

Acq: 13 Aug 2018 11:35

Instrument :

MSVOA_X

ClientSampleId :

VX0813WBL01

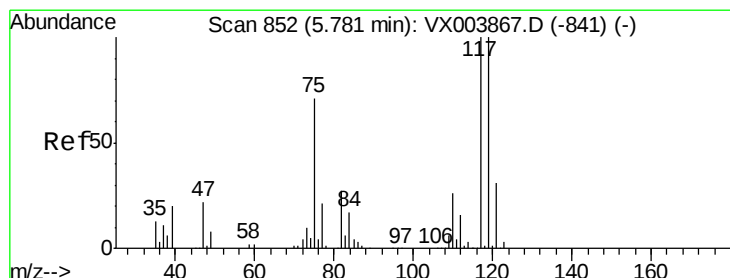
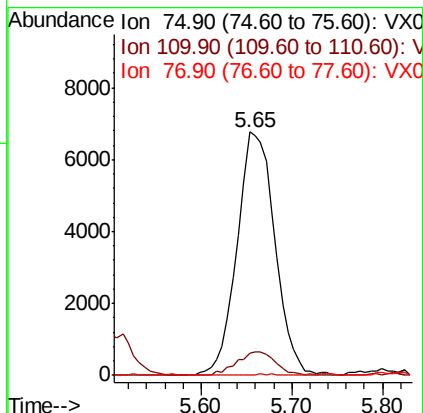
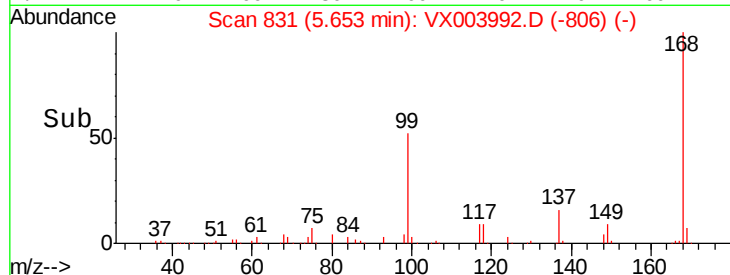
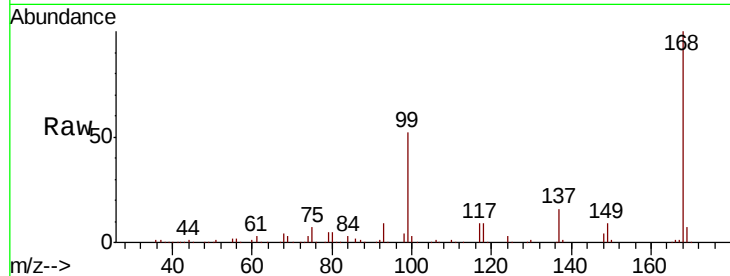
Tot Ion: 75 Resp: 19589

Ion Ratio Lower Upper

75 100

110 9.9 18.2 54.6#

77 0.2 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 5.33 ug/l

RT: 5.66 min Scan# 832

Delta R.T. -0.12 min

Lab File: VX003992.D

Acq: 13 Aug 2018 11:35

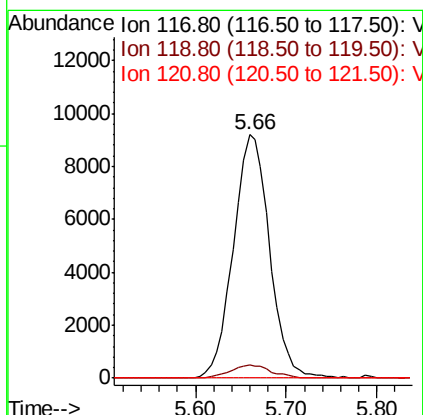
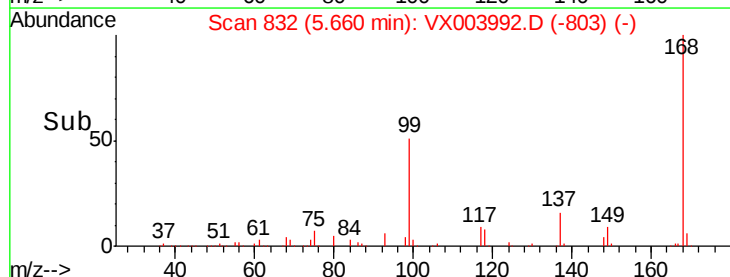
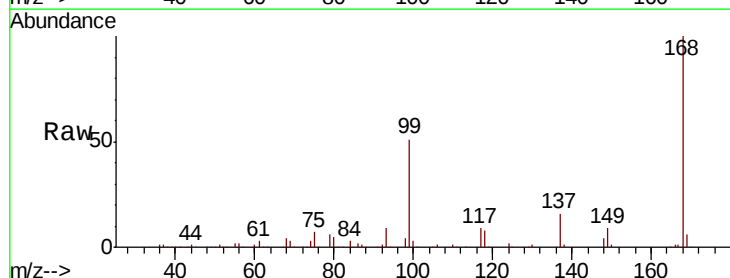
Tgt Ion: 117 Resp: 25418

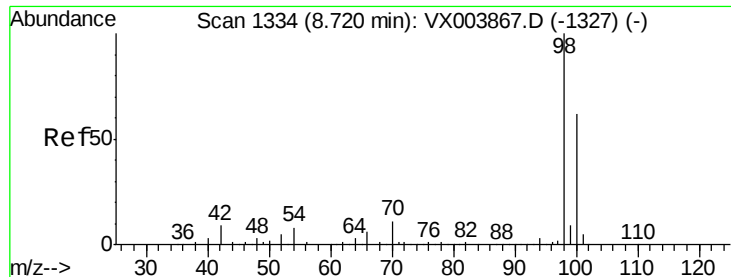
Ion Ratio Lower Upper

117 100

119 5.5 79.5 119.3#

121 0.0 25.0 37.4#

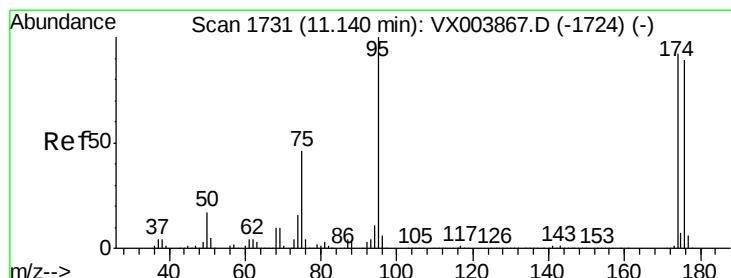
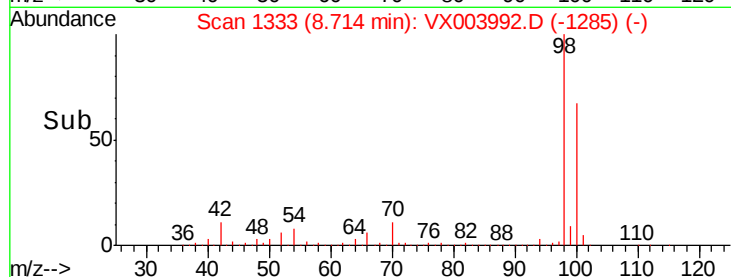
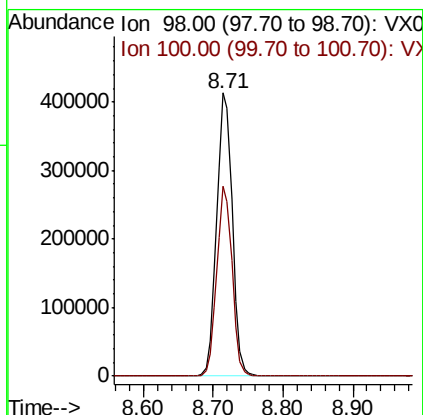
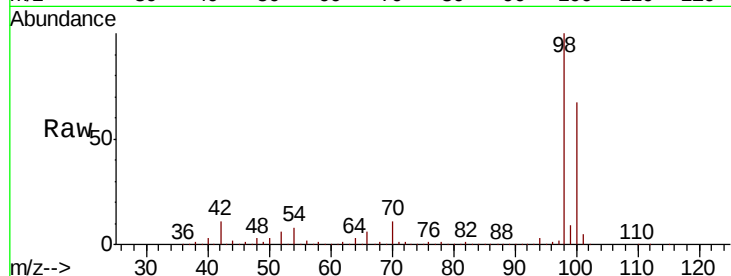




#50
Toluene-d8
Concen: 48.77 ug/l
RT: 8.71 min Scan# 1333
Delta R.T. -0.01 min
Lab File: VX003992.D
Acq: 13 Aug 2018 11:35

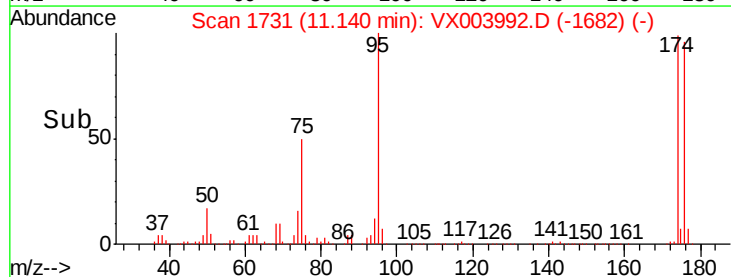
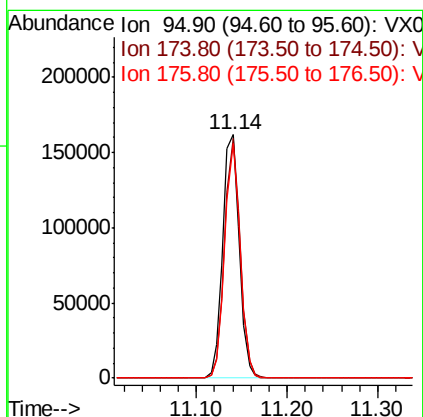
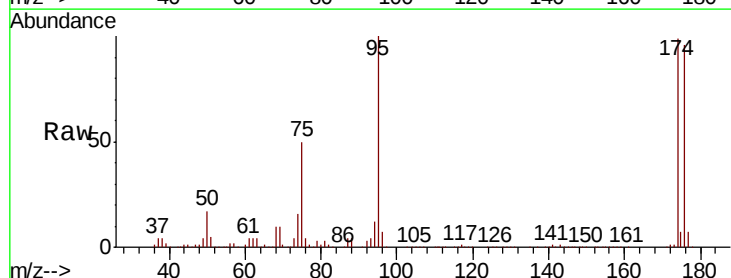
Instrument :
MSVOA_X
ClientSampleId :
VX0813WBL01

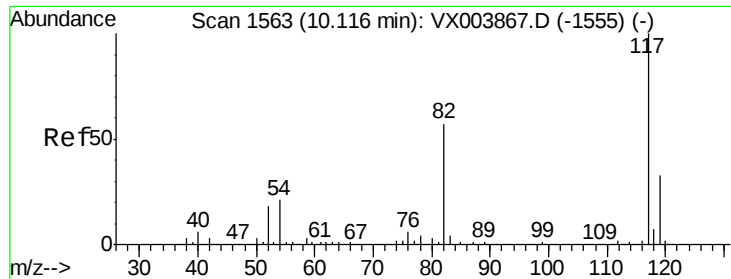
Tot Ion: 98 Resp: 642785
Ion Ratio Lower Upper
98 100
100 65.8 53.3 79.9



#62
4-Bromofluorobenzene
Concen: 48.32 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX003992.D
Acq: 13 Aug 2018 11:35

Tgt Ion: 95 Resp: 206066
Ion Ratio Lower Upper
95 100
174 93.6 0.0 182.8
176 90.6 0.0 179.0

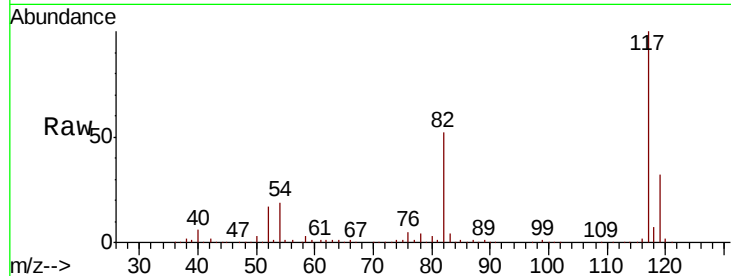




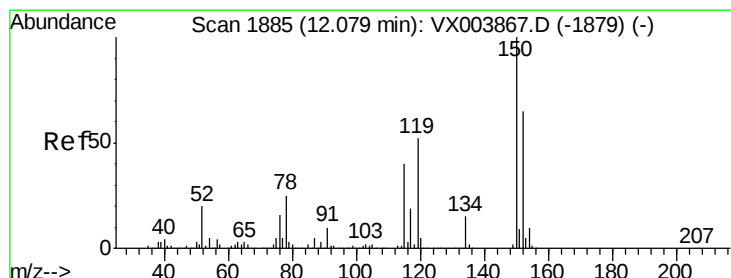
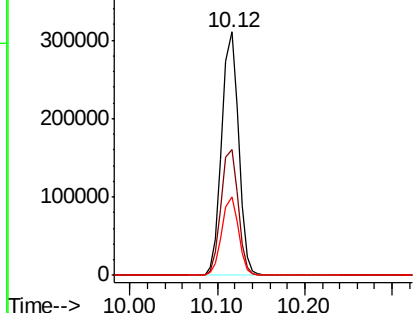
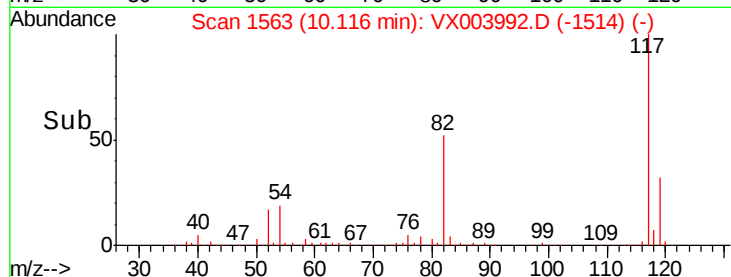
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003992.D
Acq: 13 Aug 2018 11:35

Instrument :
MSVOA_X
ClientSampleId :
VX0813WBL01

Tot Ion:117 Resp: 412144
Ion Ratio Lower Upper
117 100
82 51.7 45.4 68.0
119 32.2 26.6 40.0

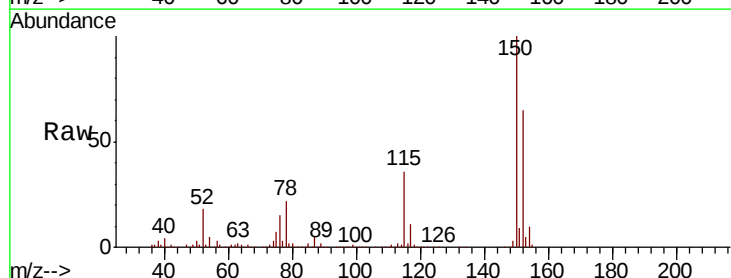


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

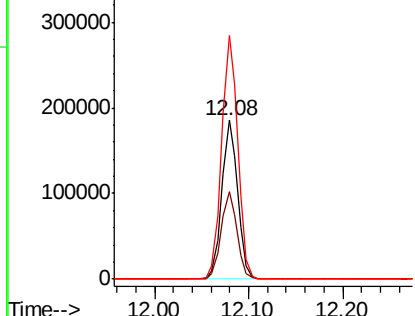
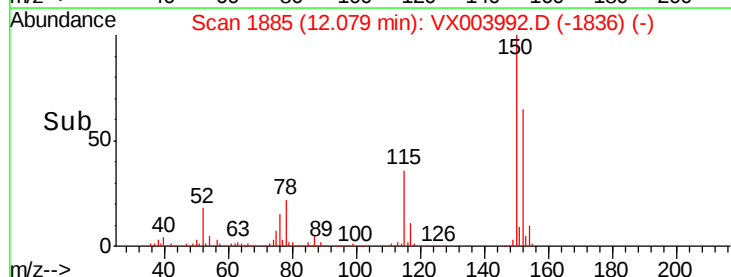


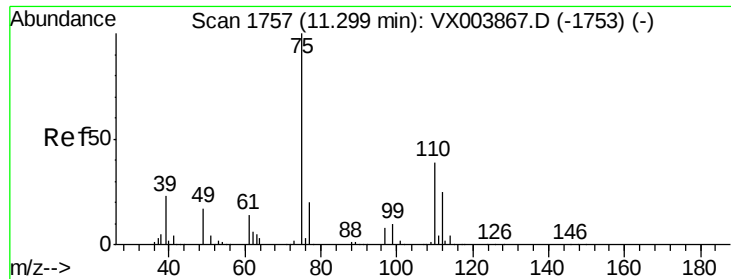
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VX003992.D
Acq: 13 Aug 2018 11:35

Tgt Ion:152 Resp: 215668
Ion Ratio Lower Upper
152 100
115 55.3 39.1 117.3
150 156.6 0.0 349.2



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

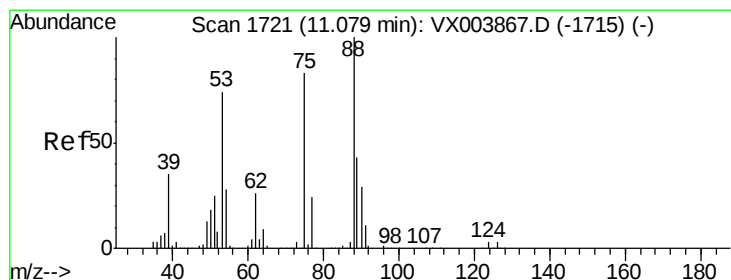
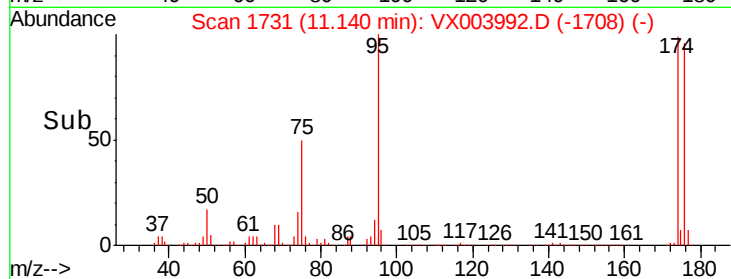
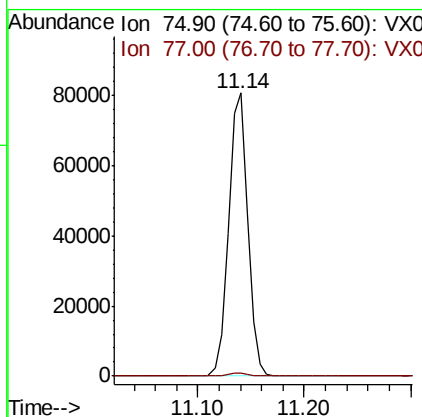
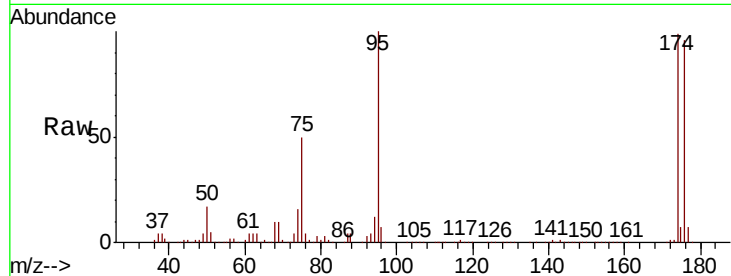




#76
 1,2,3-Trichloropropane
 Concen: 21.37 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.16 min
 Lab File: VX003992.D
 Acq: 13 Aug 2018 11:35

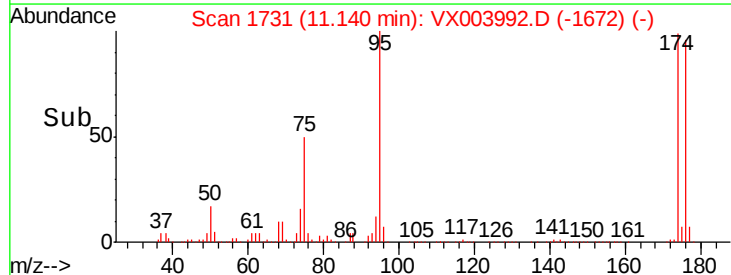
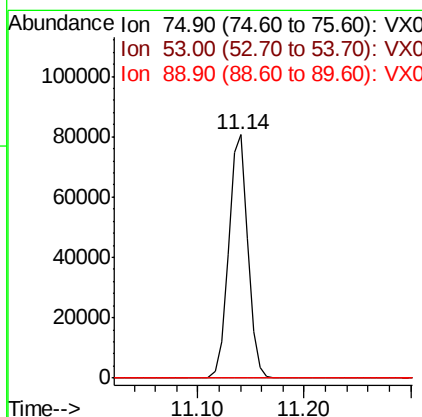
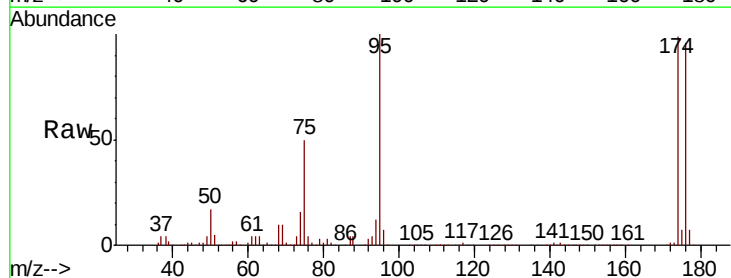
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0813WBL01

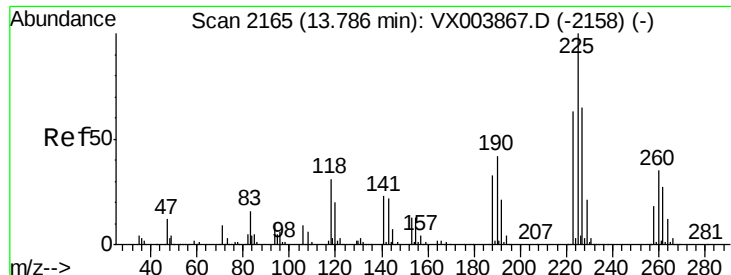
Tot Ion: 75 Resp: 101818
 Ion Ratio Lower Upper
 75 100
 77 1.3 20.8 62.5#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 65.14 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX003992.D
 Acq: 13 Aug 2018 11:35

Tgt Ion: 75 Resp: 101818
 Ion Ratio Lower Upper
 75 100
 53 0.3 80.3 120.5#
 89 0.0 37.8 56.8#





#94

Hexachlorobutadiene

Concen: 0.26 ug/l

RT: 13.79 min Scan# 2165

Delta R.T. 0.00 min

Lab File: VX003992.D

Acq: 13 Aug 2018 11:35

Instrument :

MSVOA_X

ClientSampleId :

VX0813WBL01

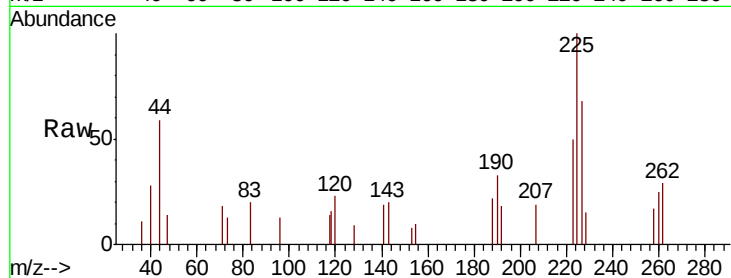
Tot Ion:225 Resp: 673

Ion Ratio Lower Upper

225 100

223 71.2 31.4 94.0

227 67.5 32.1 96.5



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

