

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061918\
 Data File : VX002729.D
 Acq On : 19 Jun 2018 22:31
 Operator : JC/MD
 Sample : J3535-15
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 20 01:05:49 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061518W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 16 01:37:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	213093	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	300782	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	284659	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	162298	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	157432	48.62	ug/l	0.00
Spiked Amount			Recovery	=	97.24%	
35) Dibromofluoromethane	5.51	113	123984	51.65	ug/l	0.00
Spiked Amount			Recovery	=	103.30%	
50) Toluene-d8	8.72	98	464028	50.91	ug/l	0.00
Spiked Amount			Recovery	=	101.82%	
62) 4-Bromofluorobenzene	11.14	95	159826	46.27	ug/l	0.00
Spiked Amount			Recovery	=	92.54%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	1115	0.66	ug/l	96
10) Methyl Iodide	2.52	142	1229	5.50	ug/l #	91
13) Acrolein	2.29	56	169	7.39	ug/l #	1
16) Acetone	2.45	43	964	0.67	ug/l #	88
21) trans-1,2-Dichloroethene	3.17	96	810	0.31	ug/l #	85
27) cis-1,2-Dichloroethene	4.60	96	4016	1.53	ug/l	64
31) Cyclohexane	5.67	56	4339	1.14	ug/l #	18
36) 1,1-Dichloropropene	5.67	75	14773	4.62	ug/l #	51
38) Carbon Tetrachloride	5.67	117	19497	6.13	ug/l #	16
49) 1,4-Dioxane	7.81	88	19	0.33	ug/l #	1
54) cis-1,3-Dichloropropene	8.83	75	19	3.22	ug/l #	32
76) 1,2,3-Trichloropropane	11.14	75	86900	28.38	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.14	75	86900	87.38	ug/l #	7

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.01 min

Lab File: VX002729.D

Acq: 19 Jun 2018 22:31

Instrument :

MSVOA_X

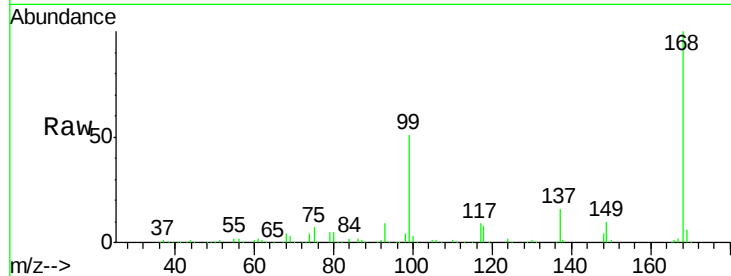
ClientSampled :

Tot Ion:168 Resp: 213093

Ion Ratio Lower Upper

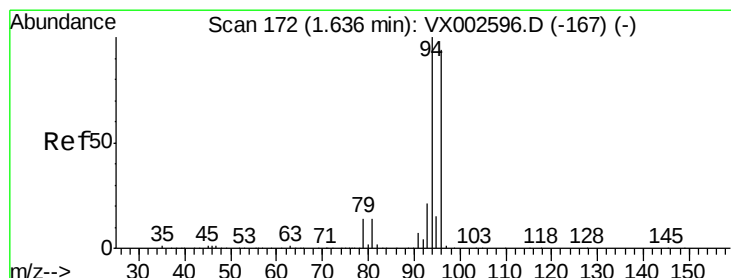
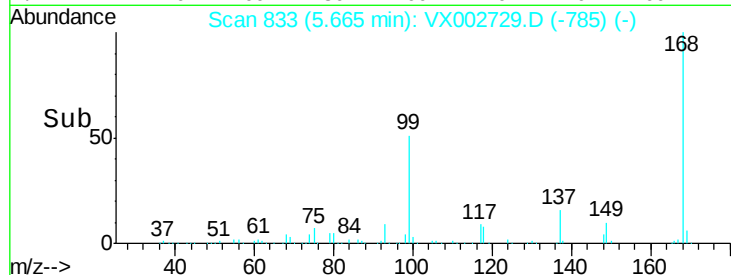
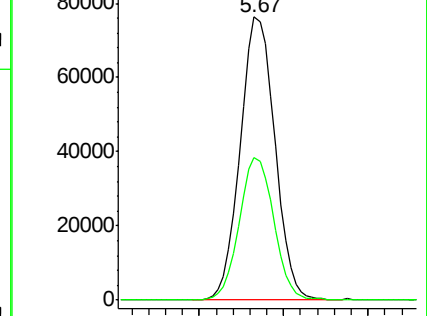
168 100

99 50.6 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: 0.66 ug/l

RT: 1.65 min Scan# 174

Delta R.T. 0.01 min

Lab File: VX002729.D

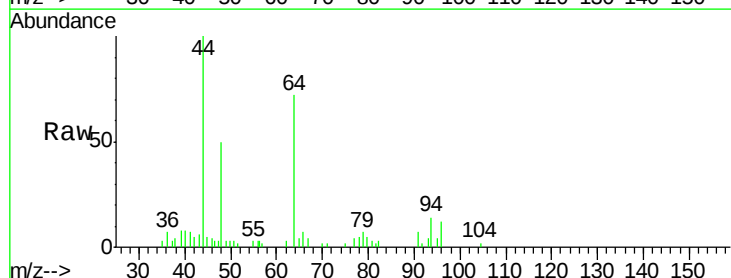
Acq: 19 Jun 2018 22:31

Tgt Ion: 94 Resp: 1115

Ion Ratio Lower Upper

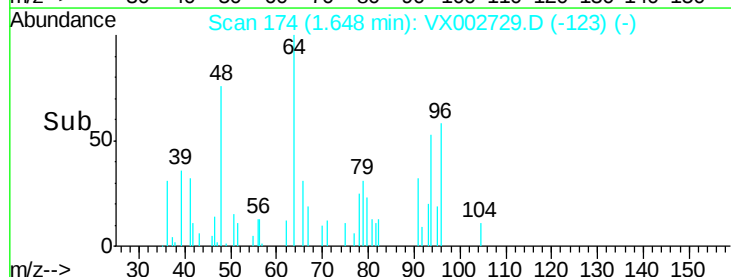
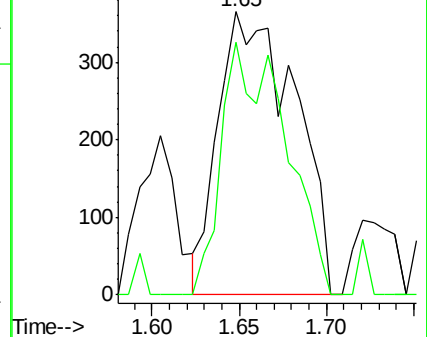
94 100

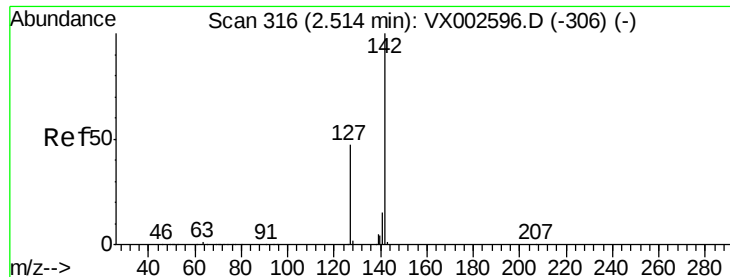
96 89.3 74.9 112.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

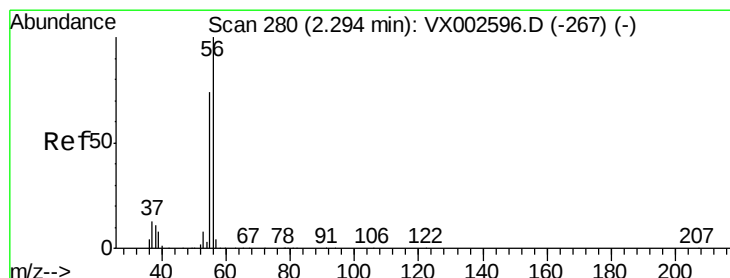
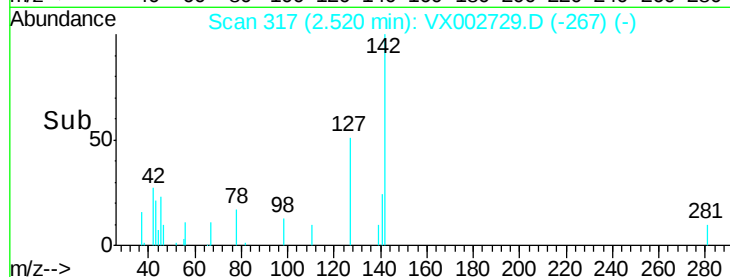
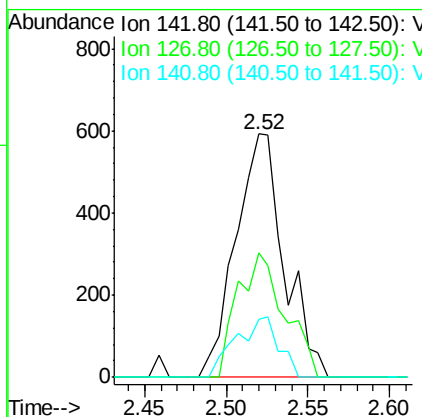
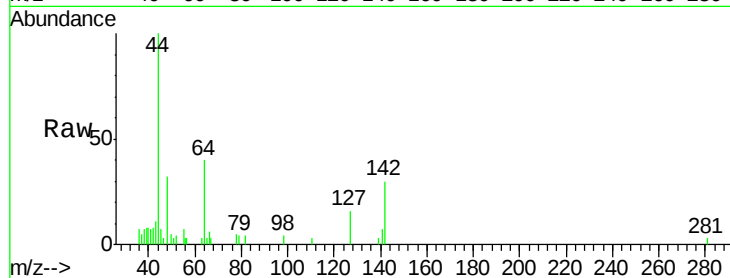




#10
Methyl Iodide
Concen: 5.50 ug/l
RT: 2.52 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX002729.D
Acq: 19 Jun 2018 22:31

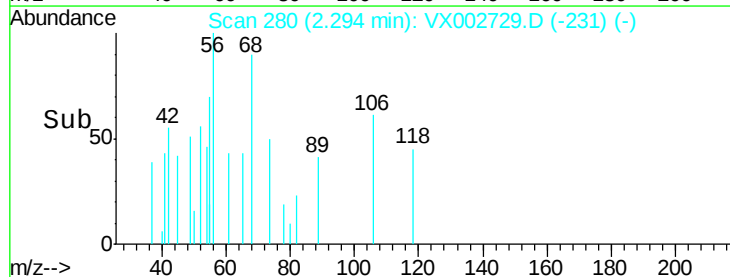
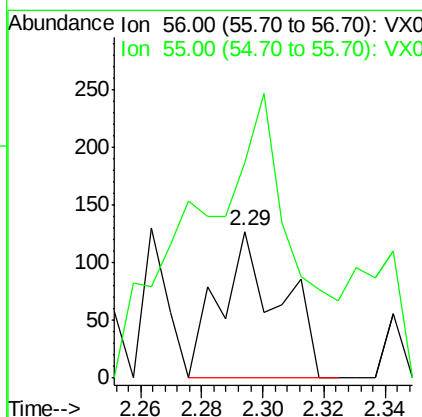
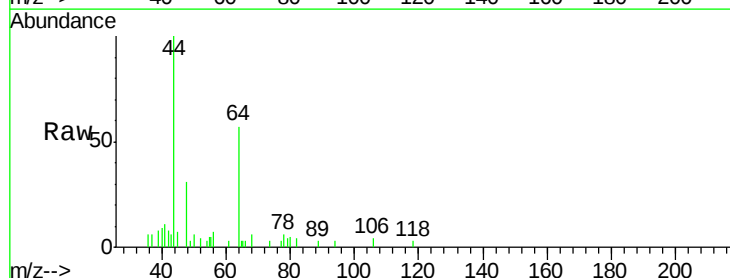
Instrument :
MSVOA_X
ClientSampleId :

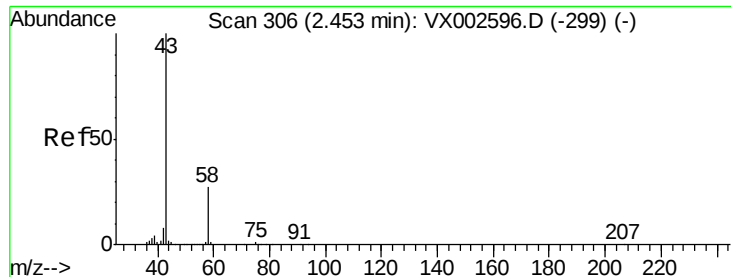
Tot Ion:142 Resp: 1229
Ion Ratio Lower Upper
142 100
127 49.5 36.6 55.0
141 22.0 11.3 16.9#



#13
Acrolein
Concen: 7.39 ug/l
RT: 2.29 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX002729.D
Acq: 19 Jun 2018 22:31

Tgt Ion: 56 Resp: 169
Ion Ratio Lower Upper
56 100
55 340.2 57.0 85.4#





#16

Acetone

Concen: 0.67 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.00 min

Lab File: VX002729.D

Acq: 19 Jun 2018 22:31

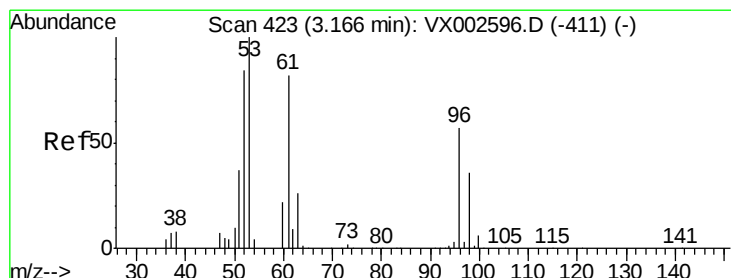
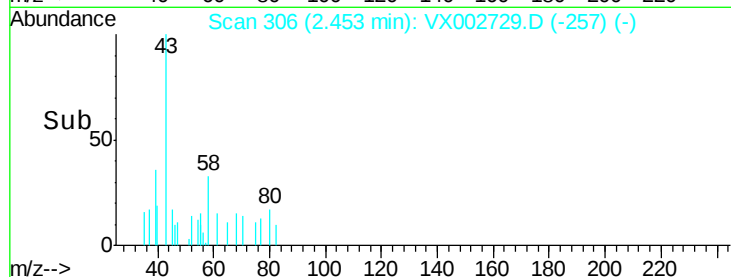
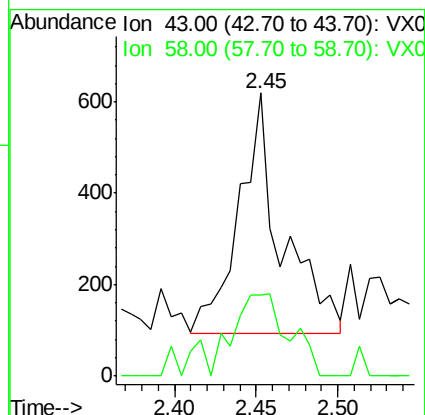
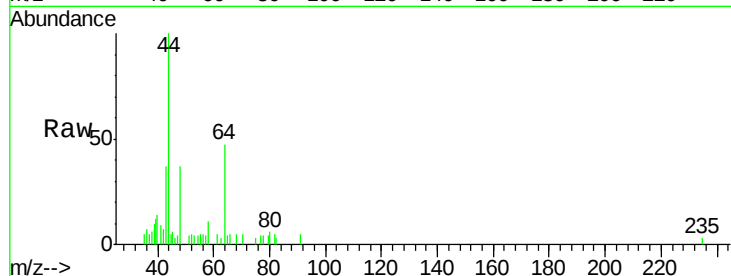
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 43 Resp: 964

Ion Ratio Lower Upper

43 100

58 34.1 22.1 33.1#



#21

trans-1,2-Dichloroethene

Concen: 0.31 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.00 min

Lab File: VX002729.D

Acq: 19 Jun 2018 22:31

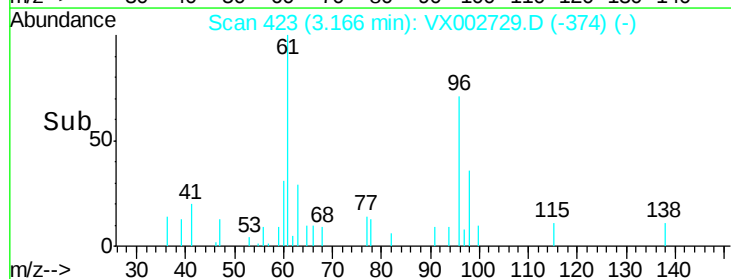
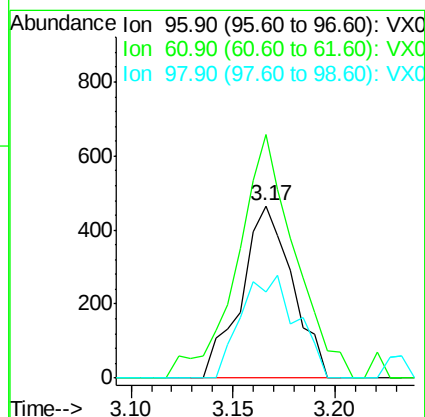
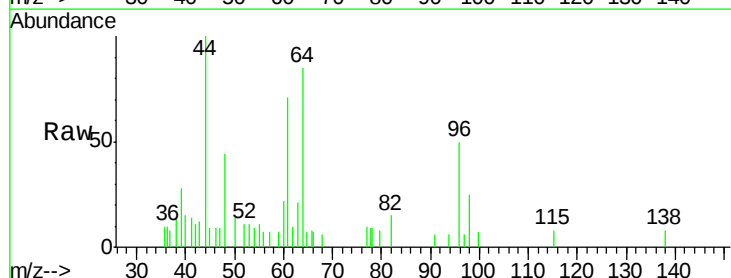
Tgt Ion: 96 Resp: 810

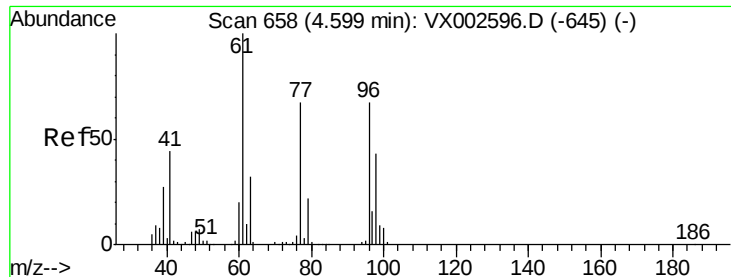
Ion Ratio Lower Upper

96 100

61 129.6 117.0 175.4

98 50.2 52.4 78.6#





#27

cis-1,2-Dichloroethene

Concen: 1.53 ug/l

RT: 4.60 min Scan# 659

Delta R.T. 0.01 min

Lab File: VX002729.D

Acq: 19 Jun 2018 22:31

Instrument :

MSVOA_X

ClientSampled :

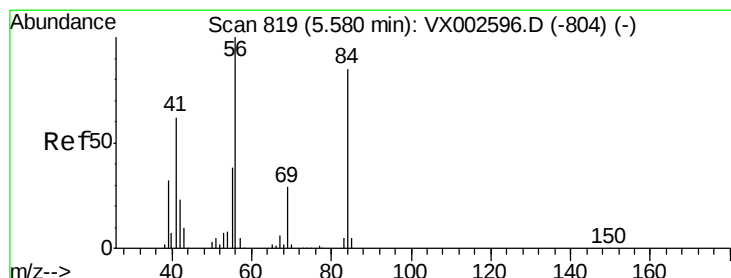
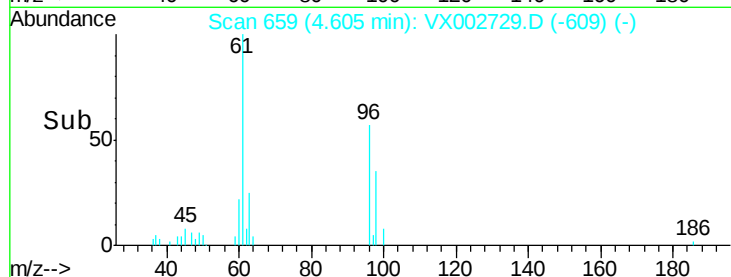
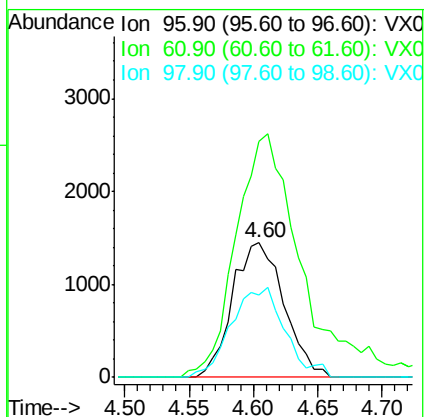
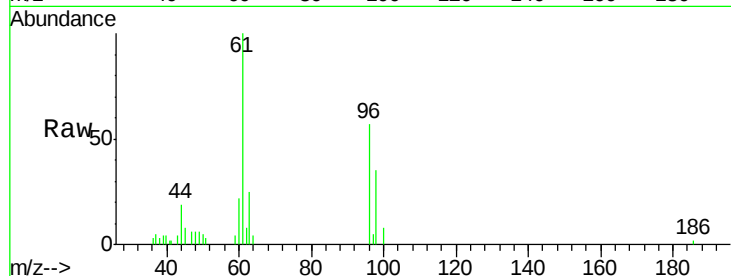
Tot Ion: 96 Resp: 4016

Ion Ratio Lower Upper

96 100

61 228.8 0.0 330.2

98 69.5 0.0 130.2



#31

Cyclohexane

Concen: 1.14 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.09 min

Lab File: VX002729.D

Acq: 19 Jun 2018 22:31

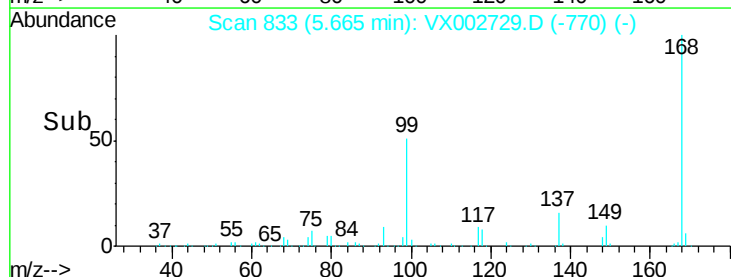
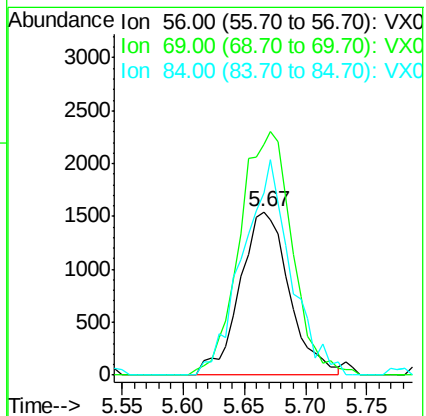
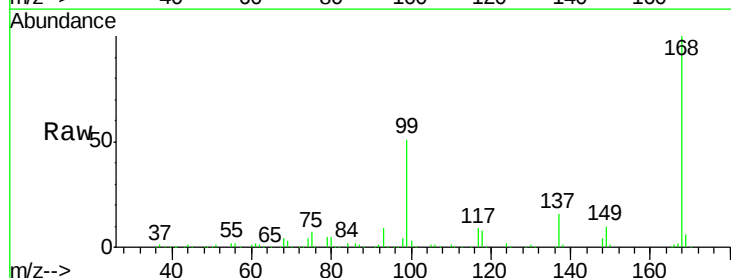
Tgt Ion: 56 Resp: 4339

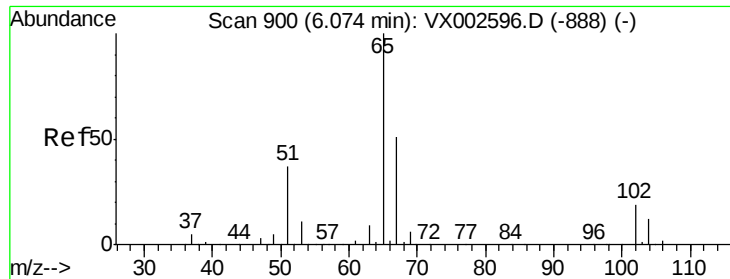
Ion Ratio Lower Upper

56 100

69 141.1 23.7 35.5#

84 111.8 64.1 96.1#

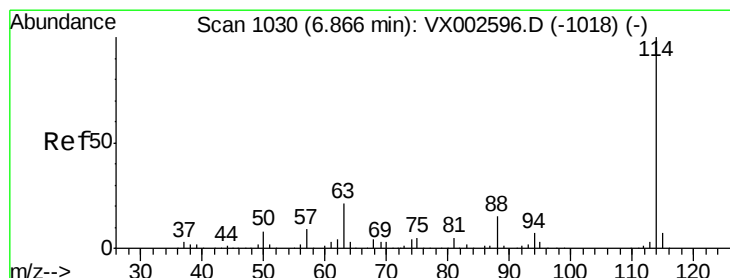
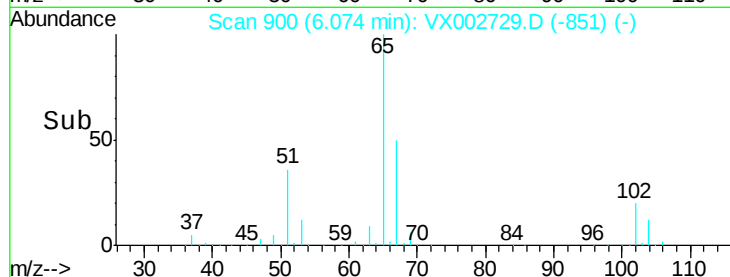
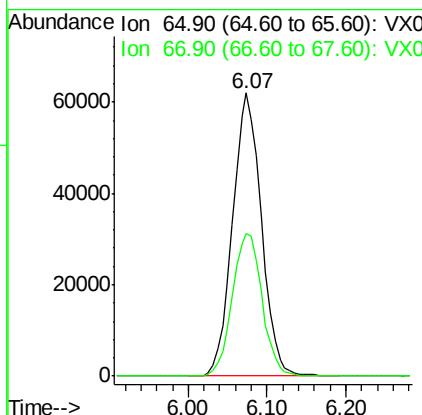
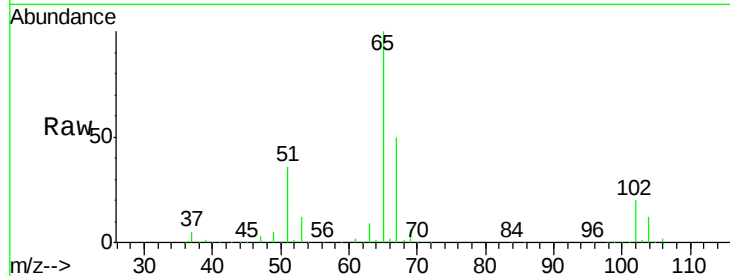




#33
 1,2-Dichloroethane-d4
 Concen: 48.62 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX002729.D
 Acq: 19 Jun 2018 22:31

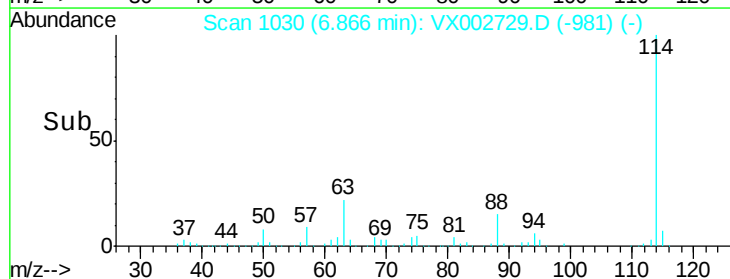
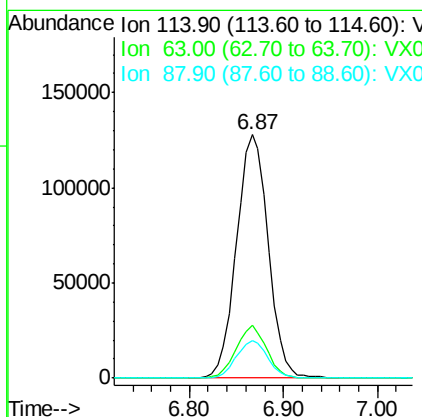
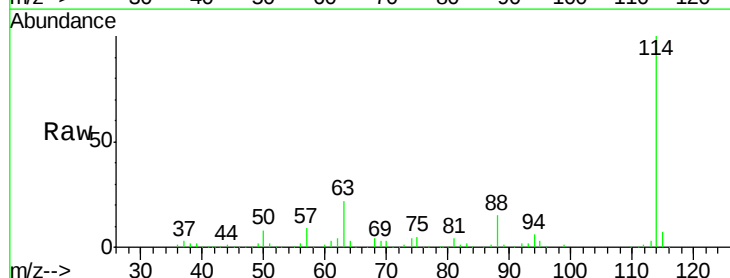
Instrument :
 MSVOA_X
 ClientSampleId :

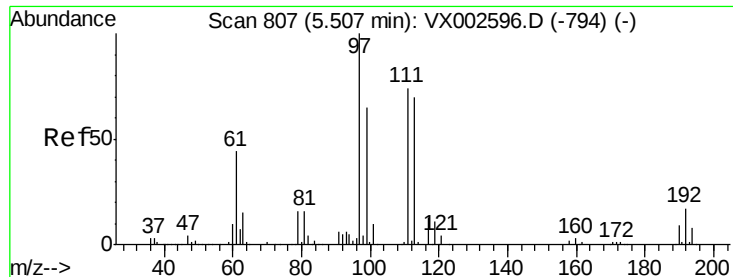
Tot Ion: 65 Resp: 157432
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX002729.D
 Acq: 19 Jun 2018 22:31

Tgt Ion: 114 Resp: 300782
 Ion Ratio Lower Upper
 114 100
 63 21.6 0.0 41.4
 88 15.3 0.0 30.0





#35

Dibromofluoromethane

Concen: 51.65 ug/l

RT: 5.51 min Scan# 808

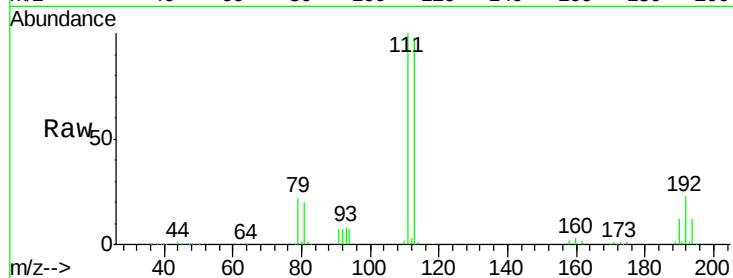
Delta R.T. 0.01 min

Lab File: VX002729.D

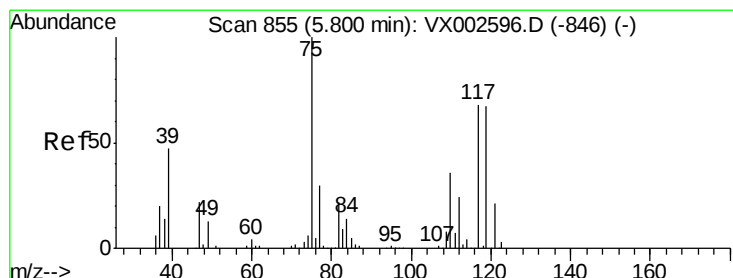
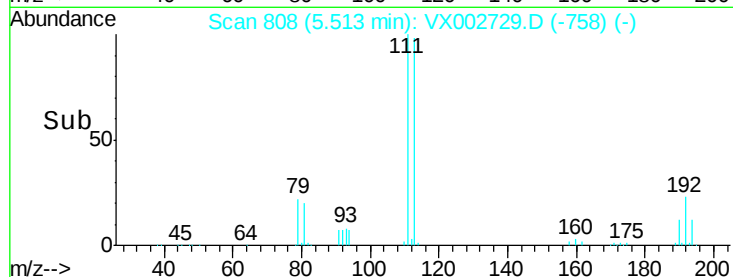
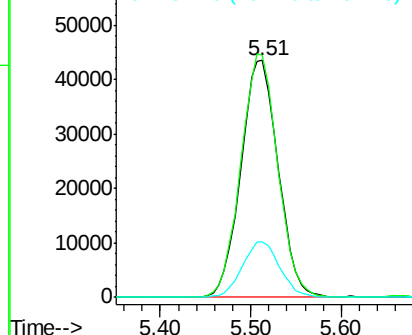
Acq: 19 Jun 2018 22:31

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:113 Resp: 123984
Ion Ratio Lower Upper
113 100
111 101.8 81.4 122.0
192 23.6 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



#36

1,1-Dichloropropene

Concen: 4.62 ug/l

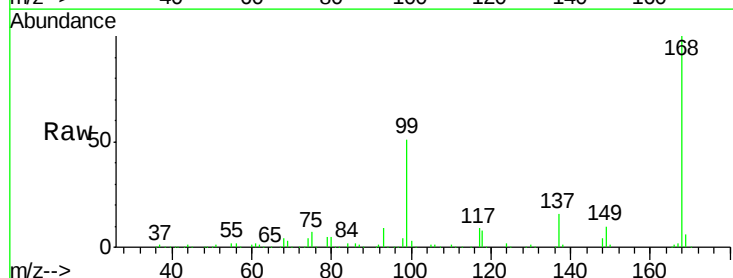
RT: 5.67 min Scan# 833

Delta R.T. -0.13 min

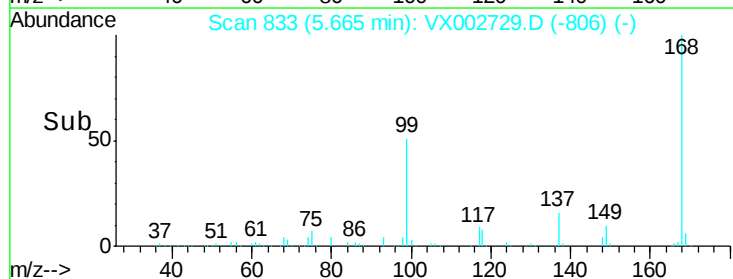
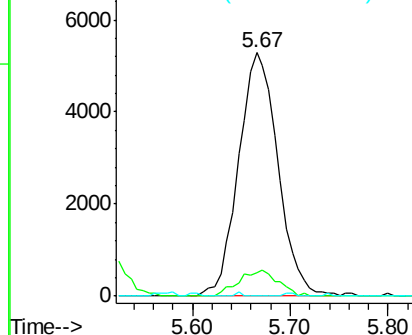
Lab File: VX002729.D

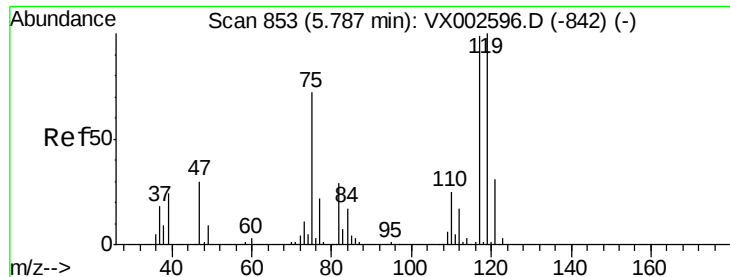
Acq: 19 Jun 2018 22:31

Tgt Ion: 75 Resp: 14773
Ion Ratio Lower Upper
75 100
110 10.7 18.1 54.4#
77 0.0 24.3 36.5#



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: 6.13 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX002729.D

Acq: 19 Jun 2018 22:31

Instrument :

MSVOA_X

ClientSampled :

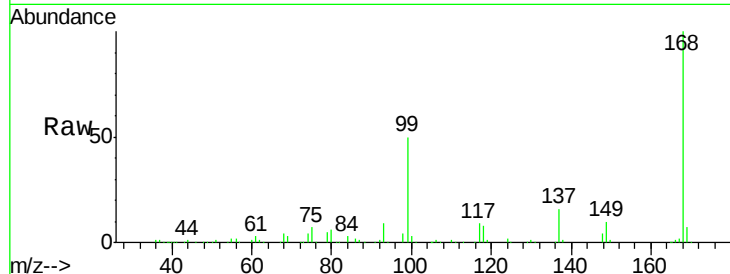
Tot Ion:117 Resp: 19497

Ion Ratio Lower Upper

117 100

119 6.1 77.4 116.0#

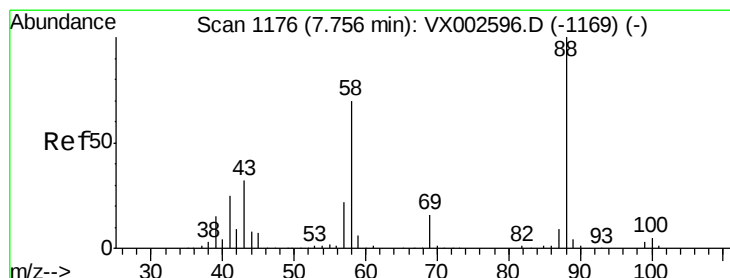
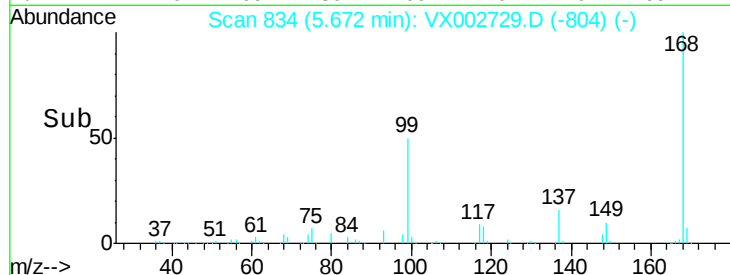
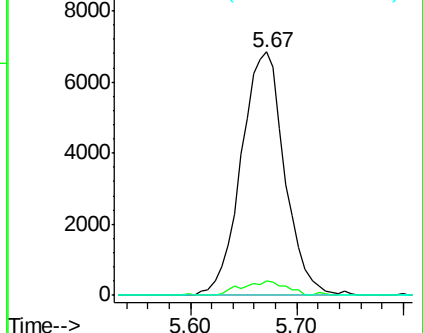
121 0.0 24.4 36.6#



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



#49

1,4-Dioxane

Concen: 0.33 ug/l

RT: 7.81 min Scan# 1185

Delta R.T. 0.05 min

Lab File: VX002729.D

Acq: 19 Jun 2018 22:31

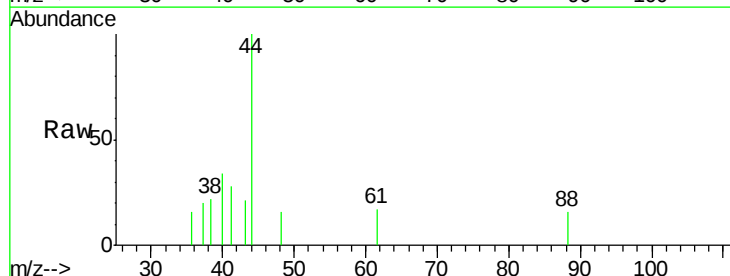
Tgt Ion: 88 Resp: 19

Ion Ratio Lower Upper

88 100

43 131.6 29.8 44.6#

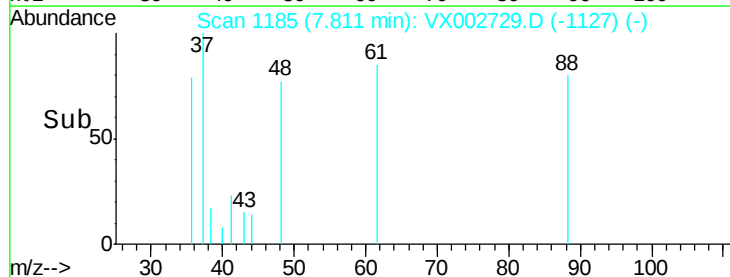
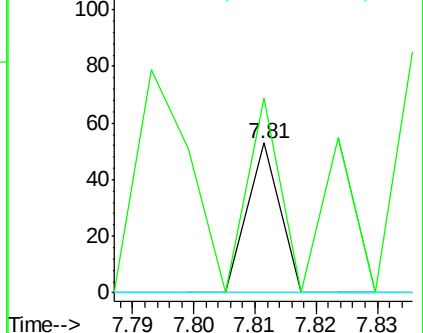
58 0.0 57.1 85.7#

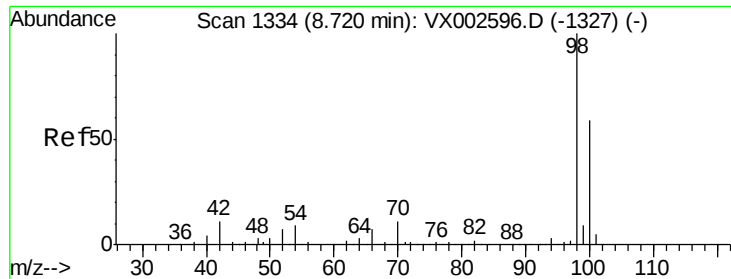


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 50.91 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX002729.D

Acq: 19 Jun 2018 22:31

Instrument :

MSVOA_X

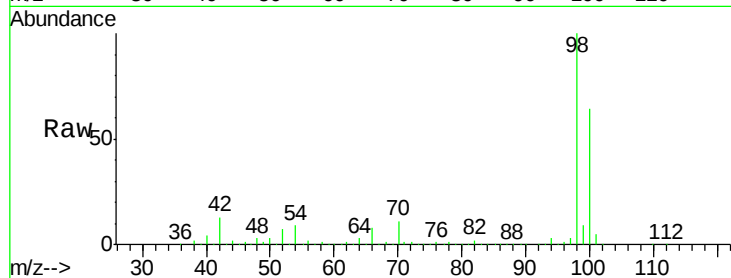
ClientSampleId :

Tot Ion: 98 Resp: 464028

Ion Ratio Lower Upper

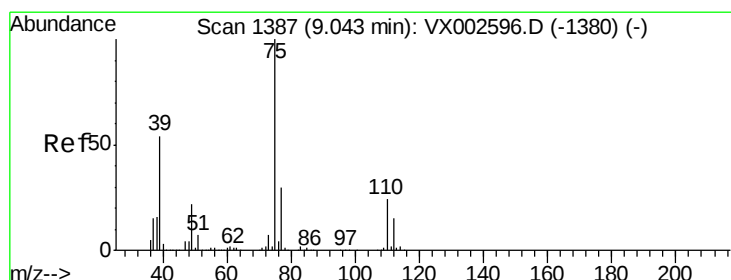
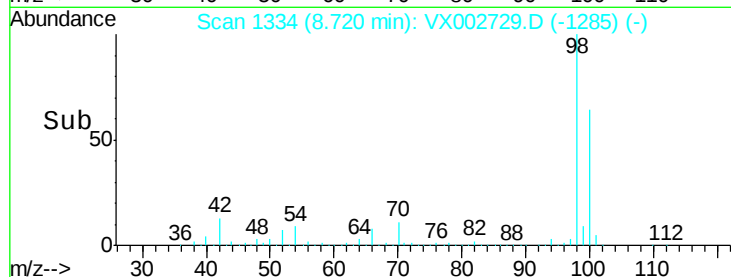
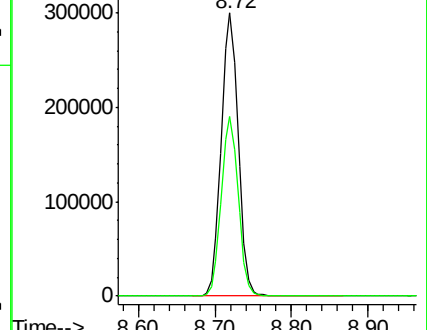
98 100

100 63.4 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0



#54

cis-1,3-Dichloropropene

Concen: 3.22 ug/l

RT: 8.83 min Scan# 1352

Delta R.T. -0.21 min

Lab File: VX002729.D

Acq: 19 Jun 2018 22:31

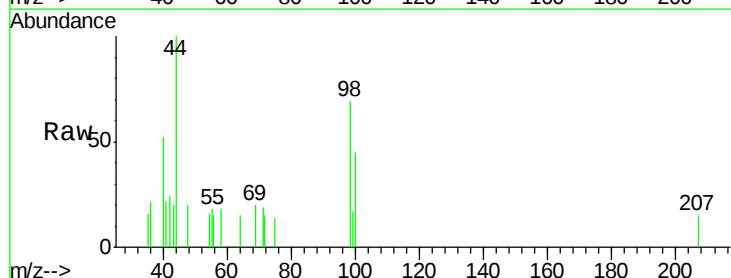
Tgt Ion: 75 Resp: 19

Ion Ratio Lower Upper

75 100

77 0.0 24.8 37.2#

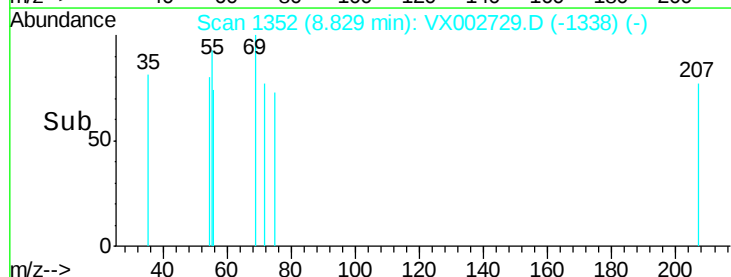
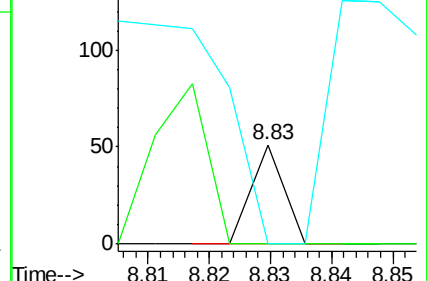
39 0.0 42.4 63.6#

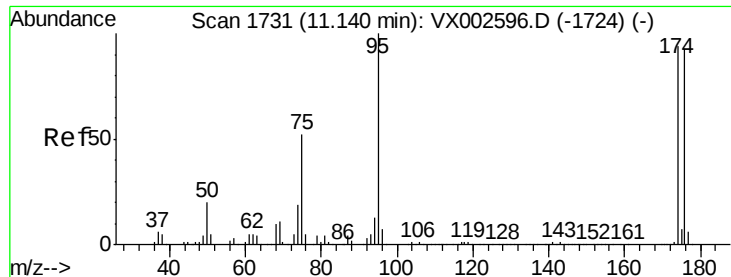


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

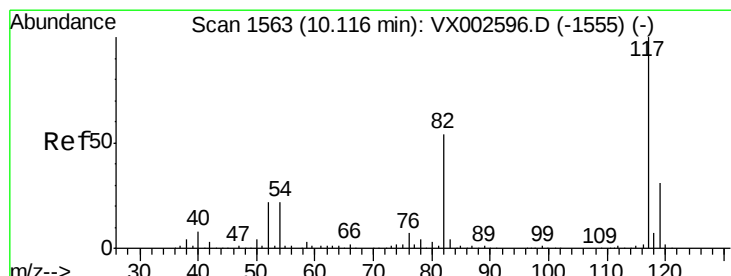
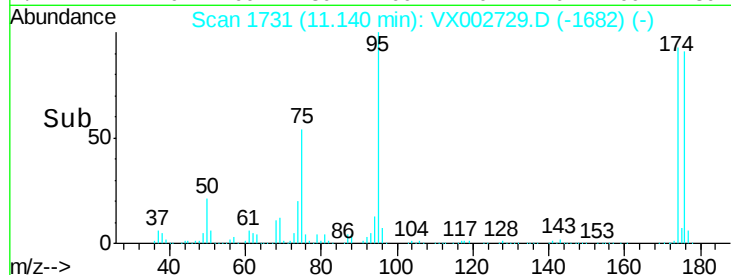
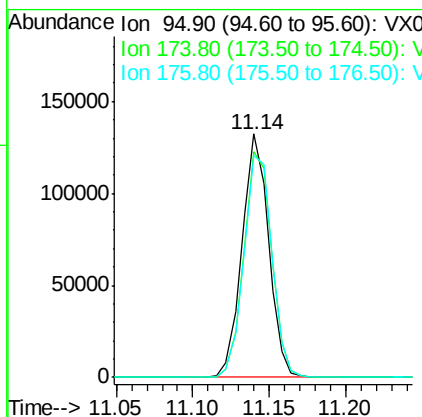
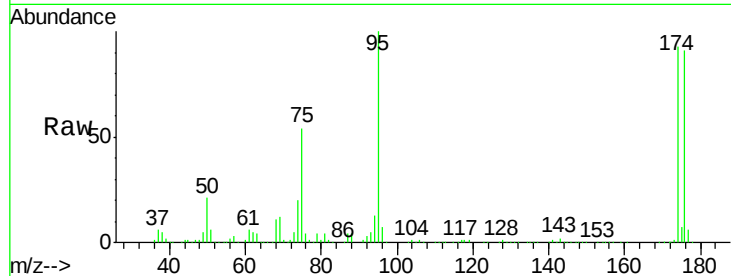




#62
4-Bromofluorobenzene
Concen: 46.27 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX002729.D
Acq: 19 Jun 2018 22:31

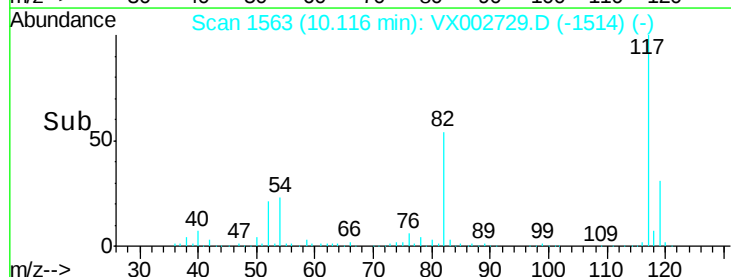
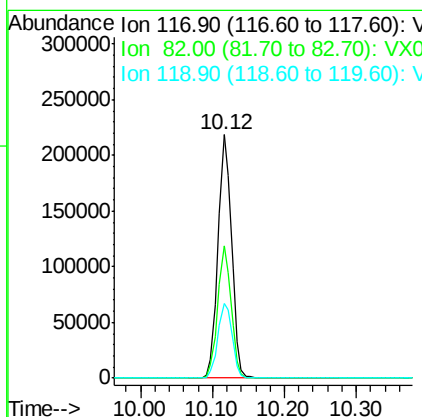
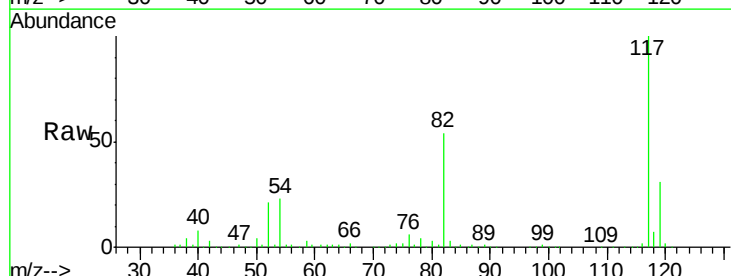
Instrument :
MSVOA_X
ClientSampleId :

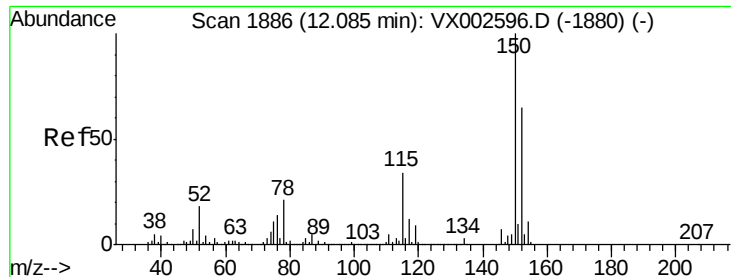
Tot Ion: 95 Resp: 159826
Ion Ratio Lower Upper
95 100
174 97.4 0.0 187.4
176 96.7 0.0 181.0



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX002729.D
Acq: 19 Jun 2018 22:31

Tgt Ion: 117 Resp: 284659
Ion Ratio Lower Upper
117 100
82 54.4 45.0 67.4
119 30.7 25.8 38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX002729.D

Acq: 19 Jun 2018 22:31

Instrument :

MSVOA_X

ClientSampled :

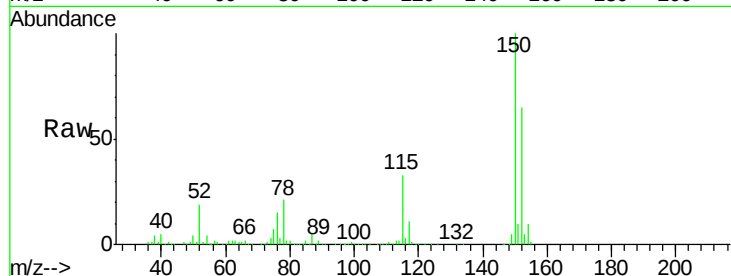
Tot Ion:152 Resp: 162298

Ion Ratio Lower Upper

152 100

115 53.2 40.1 120.2

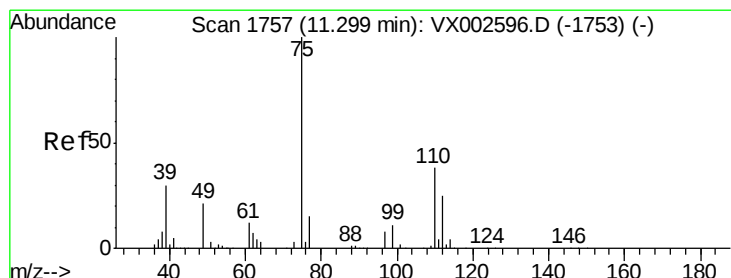
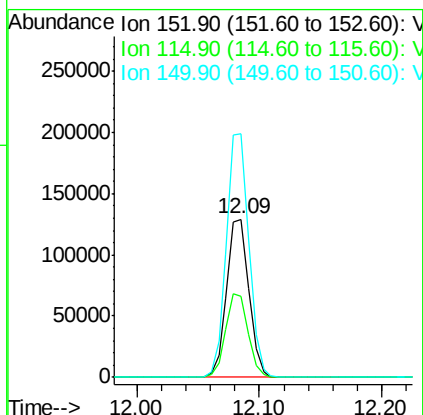
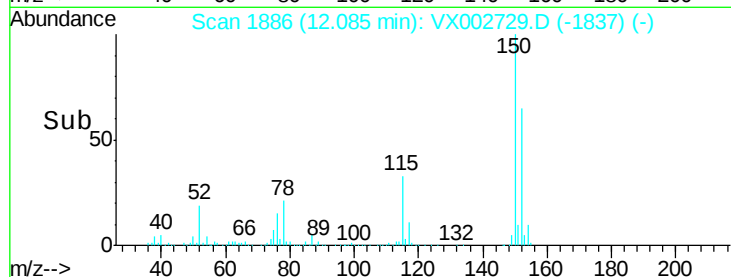
150 154.8 0.0 347.2



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: 28.38 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX002729.D

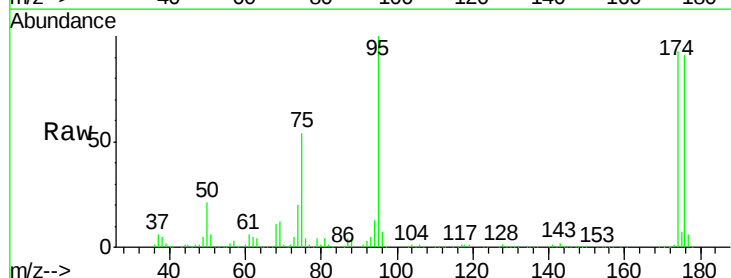
Acq: 19 Jun 2018 22:31

Tgt Ion: 75 Resp: 86900

Ion Ratio Lower Upper

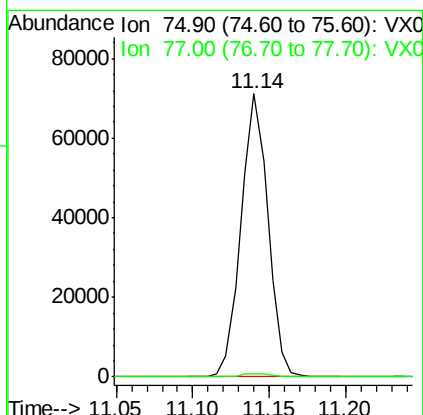
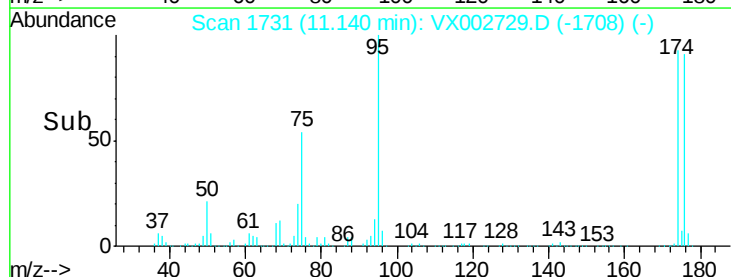
75 100

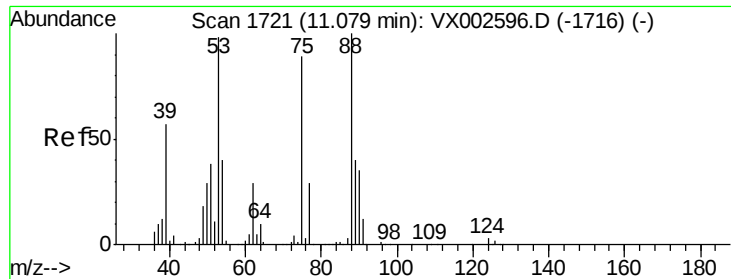
77 1.3 22.8 68.3#



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: 87.38 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX002729.D

Acq: 19 Jun 2018 22:31

Instrument :

MSVOA_X

ClientSampleId :

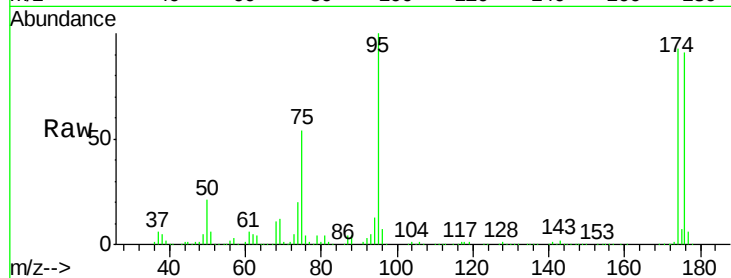
Tot Ion: 75 Resp: 86900

Ion Ratio Lower Upper

75 100

53 0.1 86.8 130.2#

89 0.0 38.2 57.2#



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

