

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061518\
 Data File : VX002607.D
 Acq On : 15 Jun 2018 20:09
 Operator : JC/MD
 Sample : J3544-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 15 23:52:30 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061518W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 15 14:54:36 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	217240	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	314653	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	294126	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	164071	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	151057	45.76	ug/l	0.00
Spiked Amount			Recovery	=	91.52%	
35) Dibromofluoromethane	5.51	113	114045	45.41	ug/l	0.00
Spiked Amount			Recovery	=	90.82%	
50) Toluene-d8	8.72	98	450693	47.27	ug/l	0.00
Spiked Amount			Recovery	=	94.54%	
62) 4-Bromofluorobenzene	11.14	95	159315	44.09	ug/l	0.00
Spiked Amount			Recovery	=	88.18%	

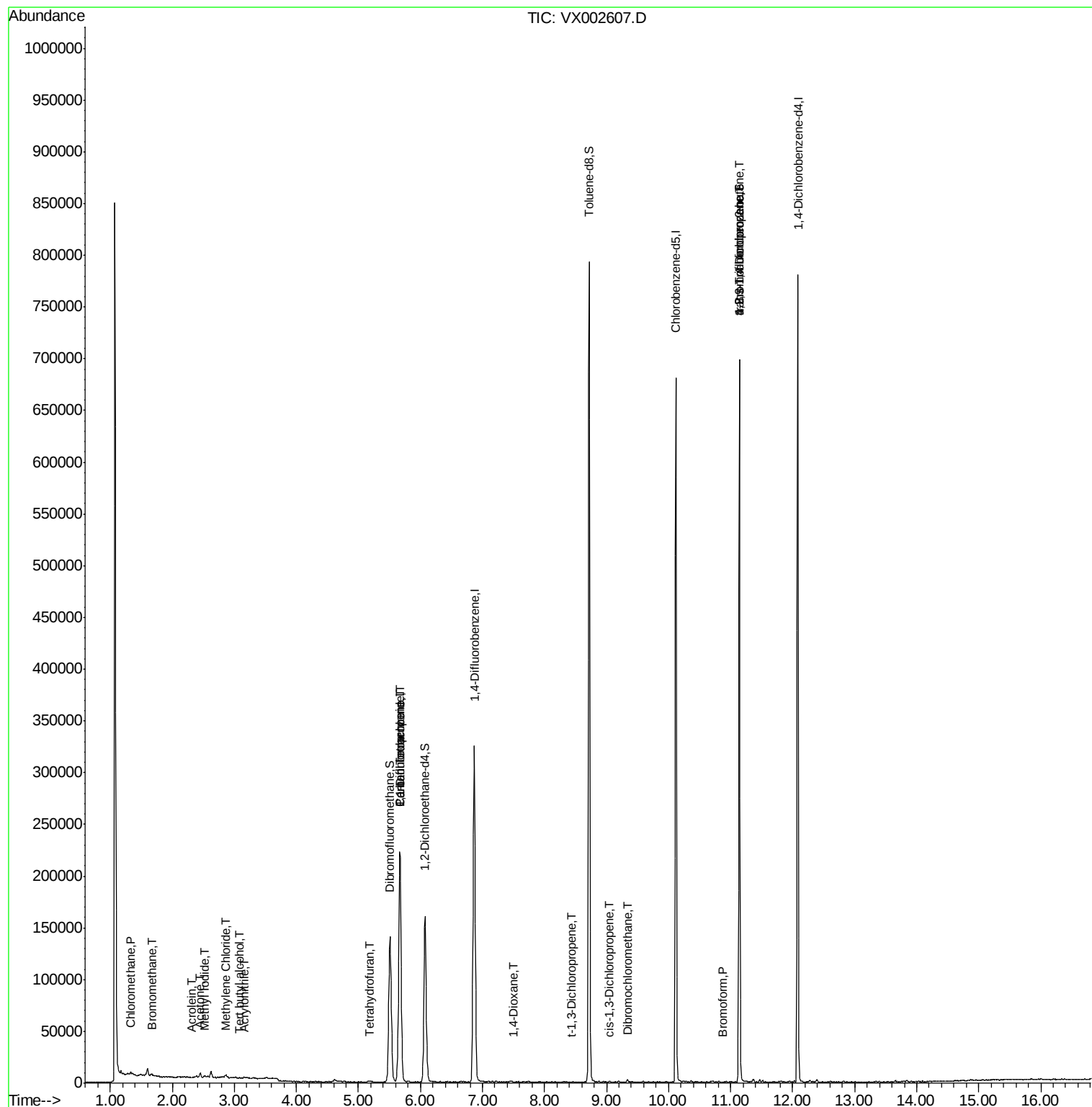
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	941	0.34	ug/l #	85
5) Bromomethane	1.67	94	1608	0.94	ug/l #	79
10) Methyl Iodide	2.53	142	2001	5.70	ug/l #	88
11) Tert butyl alcohol	3.08	59	429	0.63	ug/l #	87
13) Acrolein	2.30	56	195	7.46	ug/l	88
15) Acrylonitrile	3.15	53	399	0.27	ug/l #	55
16) Acetone	2.45	43	5147	3.53	ug/l	98
20) Methylene Chloride	2.86	84	1251	0.42	ug/l #	90
29) Tetrahydrofuran	5.18	42	992	0.79	ug/l #	78
36) 1,1-Dichloropropene	5.66	75	16307	4.88	ug/l #	50
38) Carbon Tetrachloride	5.67	117	20634	6.20	ug/l #	15
49) 1,4-Dioxane	7.49	88	19	0.31	ug/l #	22
53) t-1,3-Dichloropropene	8.44	75	109	2.42	ug/l #	43
54) cis-1,3-Dichloropropene	9.06	75	148	3.25	ug/l #	76
60) Dibromochloromethane	9.34	129	154	3.81	ug/l #	11
71) Bromoform	10.87	173	44	4.86	ug/l #	28
76) 1,2,3-Trichloropropane	11.14	75	87014	28.11	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.14	75	87014	86.59	ug/l #	6

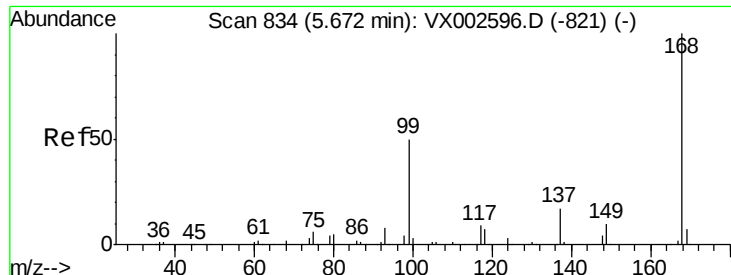
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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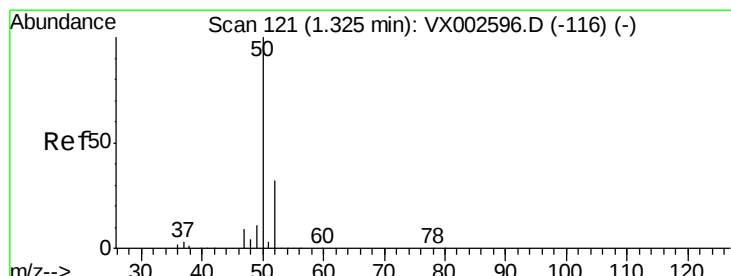
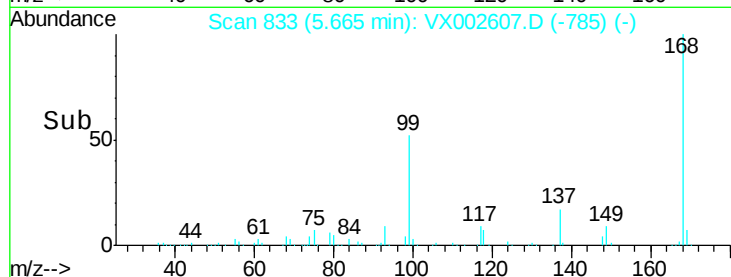
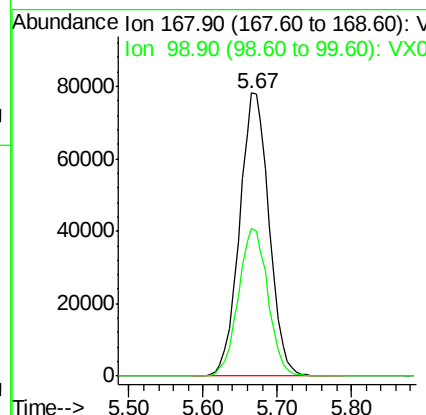
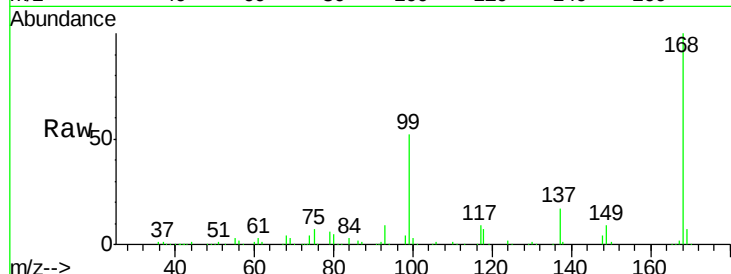




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.67 min Scan# 833
Delta R.T. -0.01 min
Lab File: VX002607.D
Acq: 15 Jun 2018 20:09

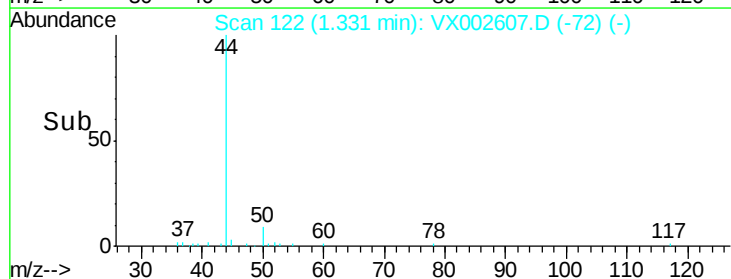
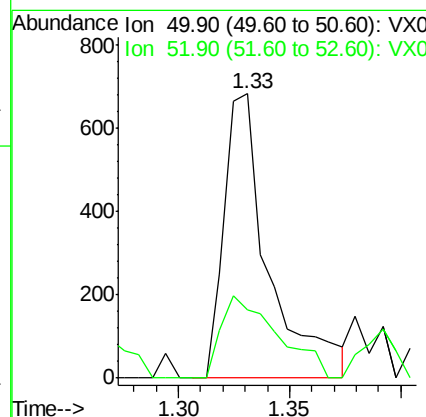
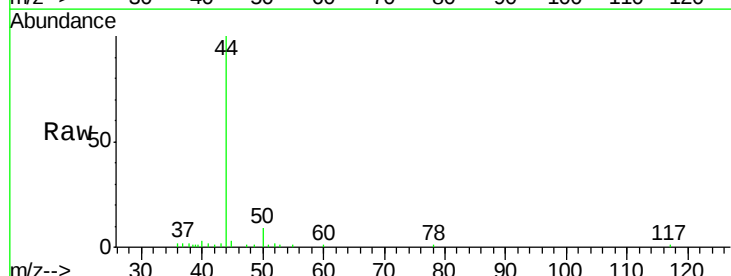
Instrument :
MSVOA_X
ClientSampled :

Tot Ion:168 Resp: 217240
Ion Ratio Lower Upper
168 100
99 52.2 39.3 58.9



#3
Chloromethane
Concen: 0.34 ug/l
RT: 1.33 min Scan# 122
Delta R.T. 0.01 min
Lab File: VX002607.D
Acq: 15 Jun 2018 20:09

Tgt Ion: 50 Resp: 941
Ion Ratio Lower Upper
50 100
52 23.8 25.7 38.5#





#5

Bromomethane

Concen: 0.94 ug/l

RT: 1.67 min Scan# 177

Delta R.T. 0.03 min

Lab File: VX002607.D

Acq: 15 Jun 2018 20:09

Instrument :

MSVOA_X

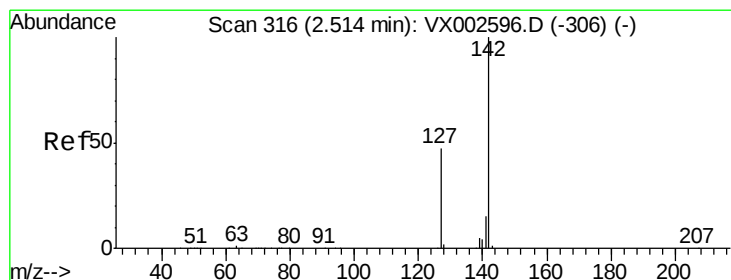
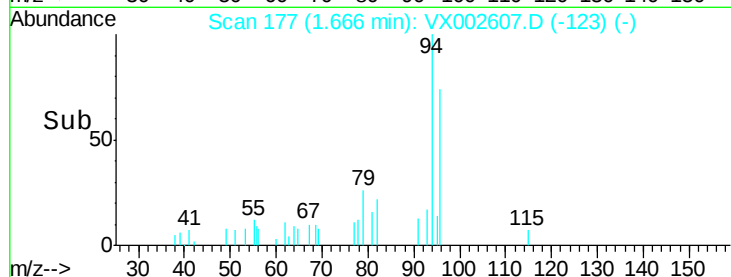
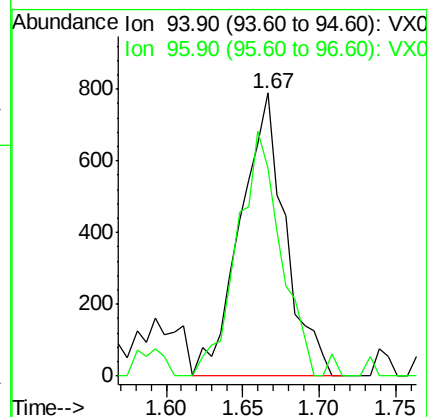
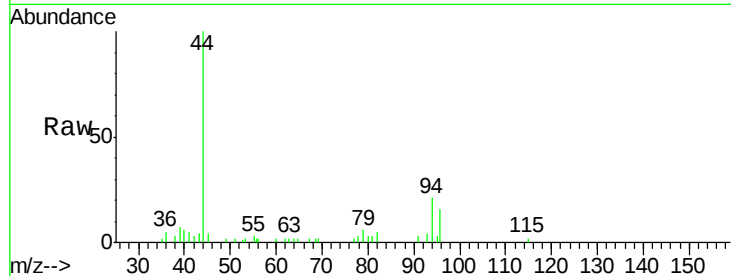
ClientSampleId :

Tot Ion: 94 Resp: 1608

Ion Ratio Lower Upper

94 100

96 73.6 74.9 112.3#



#10

Methyl Iodide

Concen: 5.70 ug/l

RT: 2.53 min Scan# 318

Delta R.T. 0.01 min

Lab File: VX002607.D

Acq: 15 Jun 2018 20:09

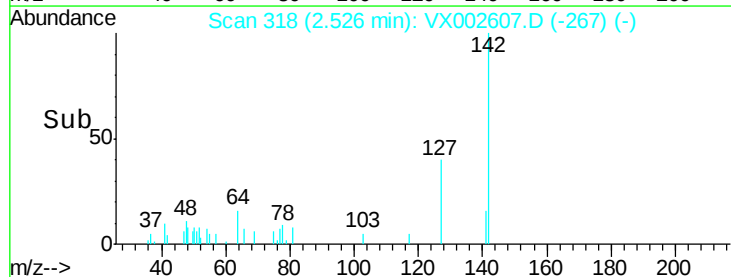
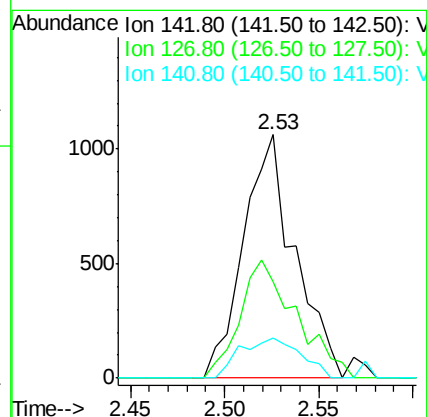
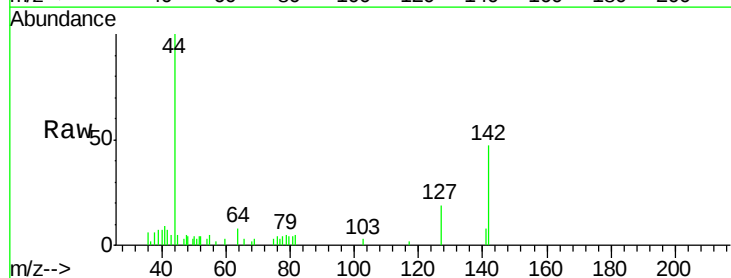
Tgt Ion:142 Resp: 2001

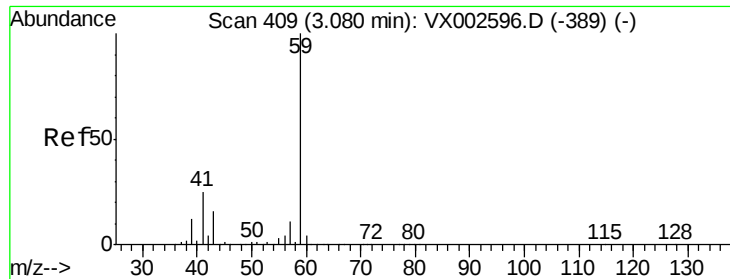
Ion Ratio Lower Upper

142 100

127 53.3 36.6 55.0

141 19.4 11.3 16.9#

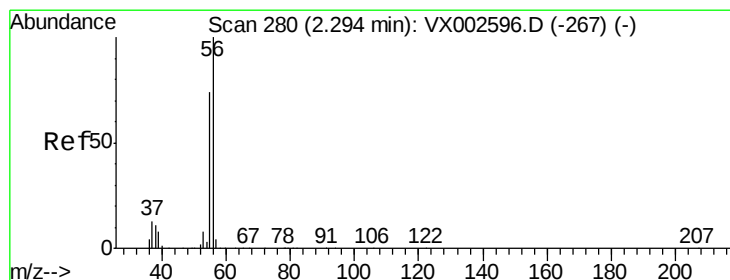
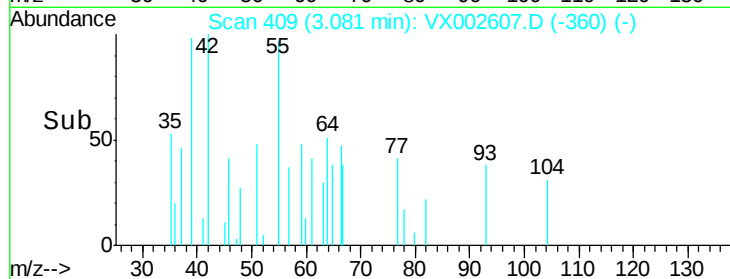
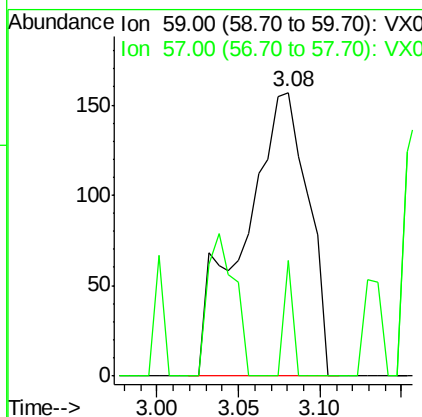
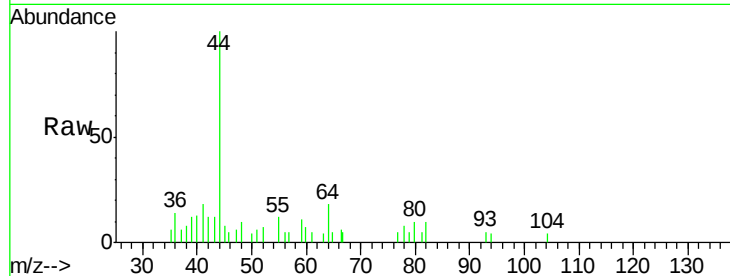




#11
Tert butyl alcohol
Concen: 0.63 ug/l
RT: 3.08 min Scan# 409
Delta R.T. 0.00 min
Lab File: VX002607.D
Acq: 15 Jun 2018 20:09

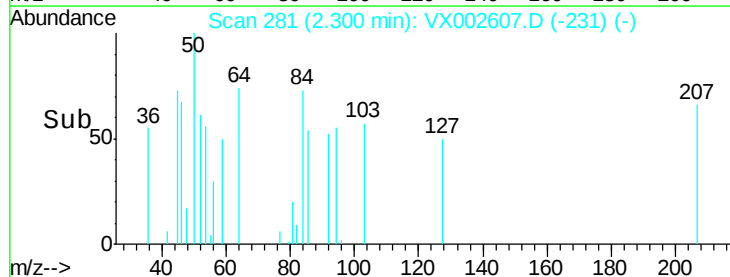
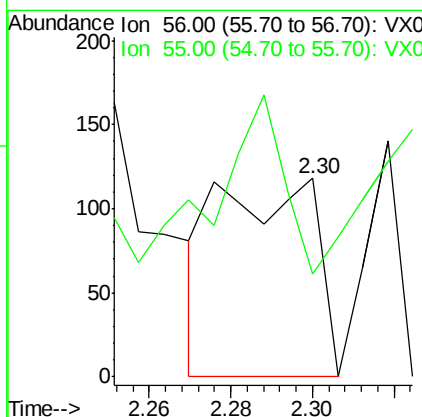
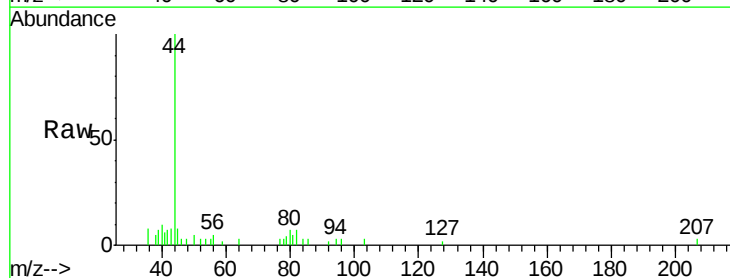
Instrument :
MSVOA_X
ClientSampled :

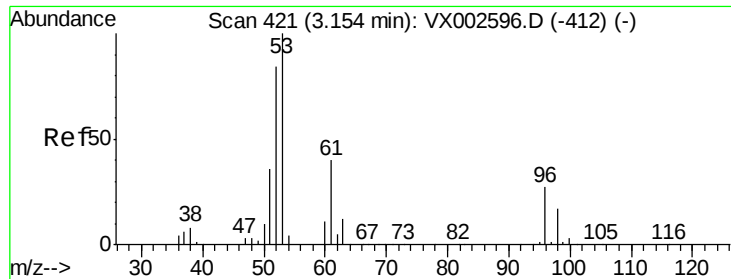
Tot Ion: 59 Resp: 429
Ion Ratio Lower Upper
59 100
57 5.4 8.2 12.2#



#13
Acrolein
Concen: 7.46 ug/l
RT: 2.30 min Scan# 281
Delta R.T. 0.01 min
Lab File: VX002607.D
Acq: 15 Jun 2018 20:09

Tgt Ion: 56 Resp: 195
Ion Ratio Lower Upper
56 100
55 61.5 57.0 85.4





#15

Acrylonitrile

Concen: 0.27 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX002607.D

Acq: 15 Jun 2018 20:09

Instrument :

MSVOA_X

ClientSampled :

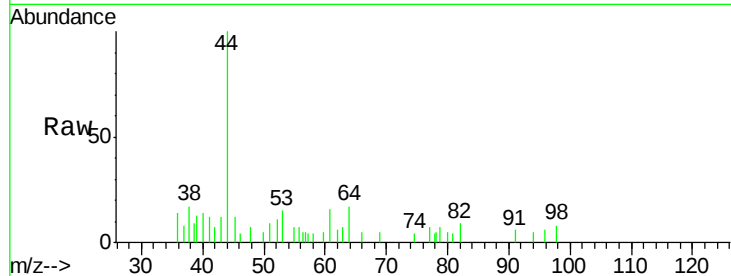
Tot Ion: 53 Resp: 399

Ion Ratio Lower Upper

53 100

52 49.6 66.7 100.1#

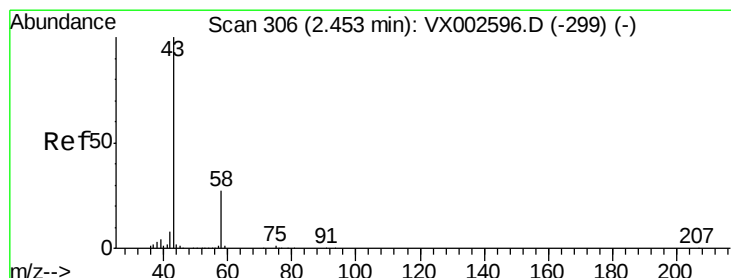
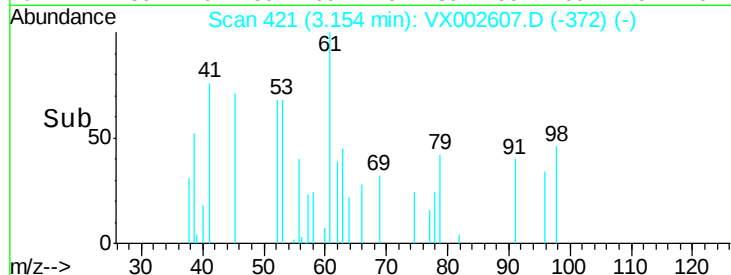
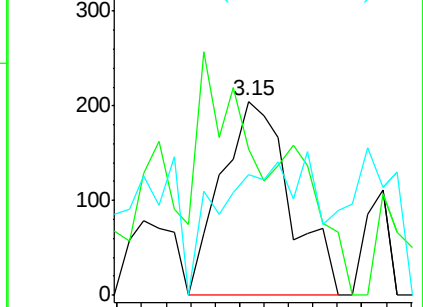
51 0.0 29.9 44.9#



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



#16

Acetone

Concen: 3.53 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.00 min

Lab File: VX002607.D

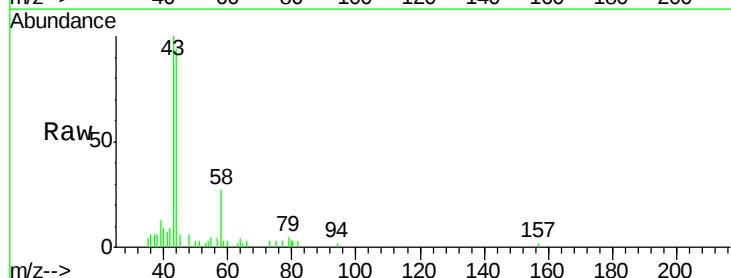
Acq: 15 Jun 2018 20:09

Tgt Ion: 43 Resp: 5147

Ion Ratio Lower Upper

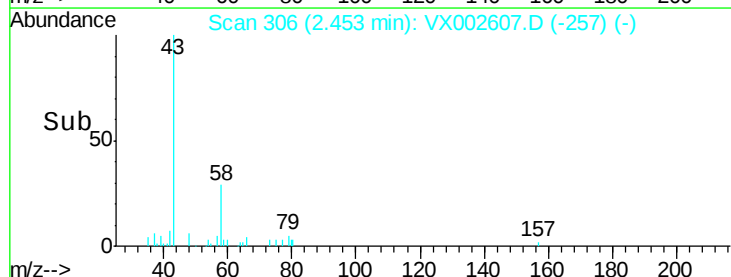
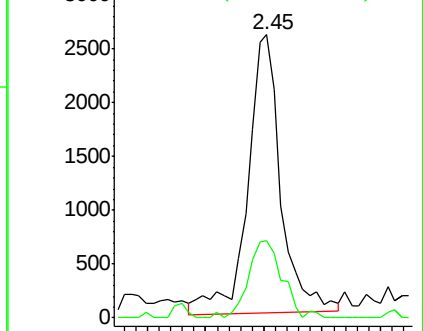
43 100

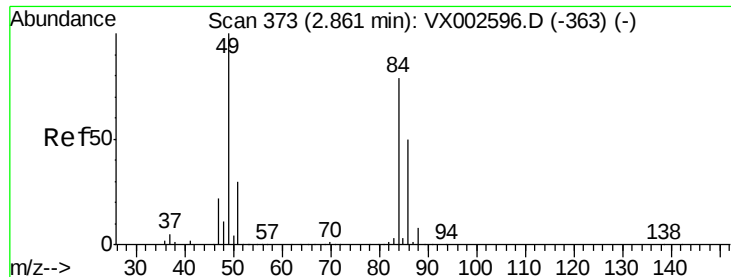
58 28.5 22.1 33.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

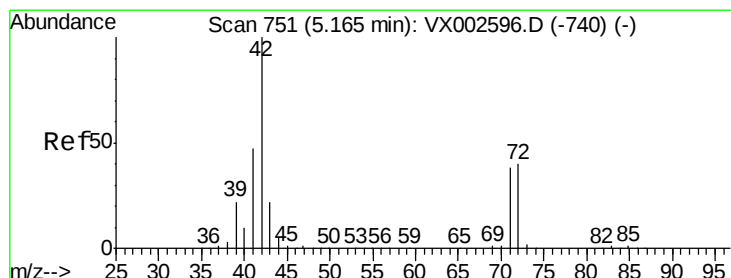
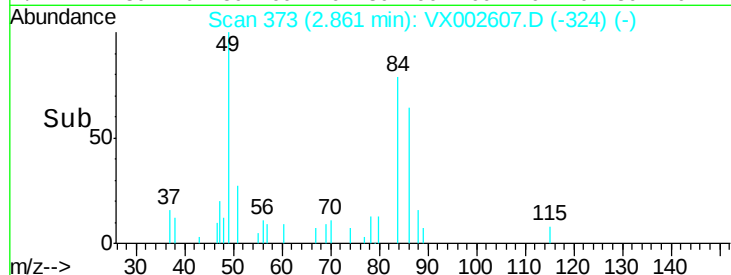
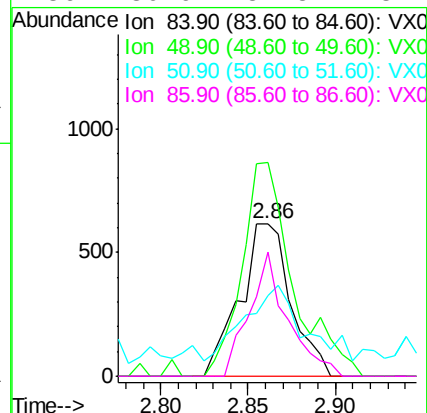
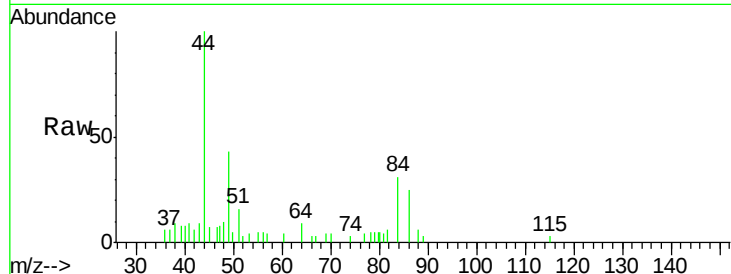




#20
Methvlene Chloride
Concen: 0.42 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX002607.D
Acq: 15 Jun 2018 20:09

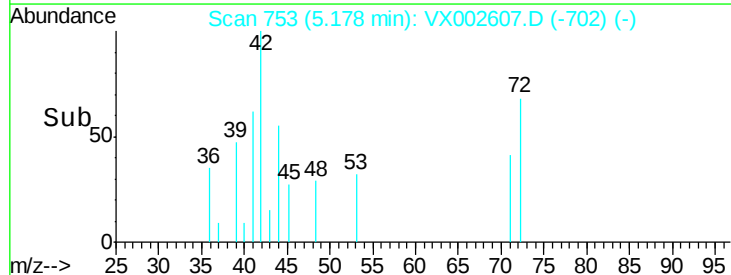
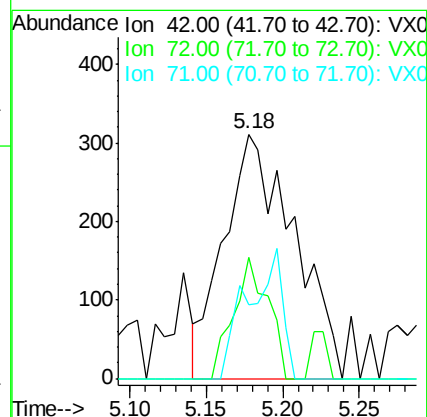
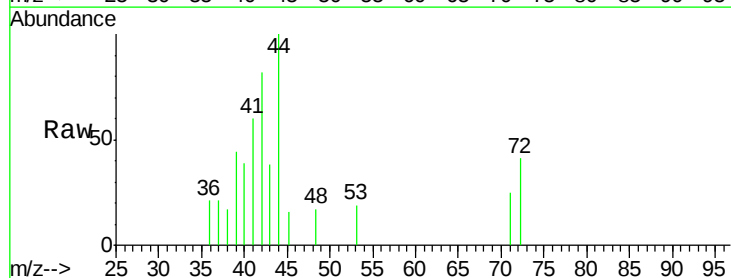
Instrument :
MSVOA_X
ClientSampleId :

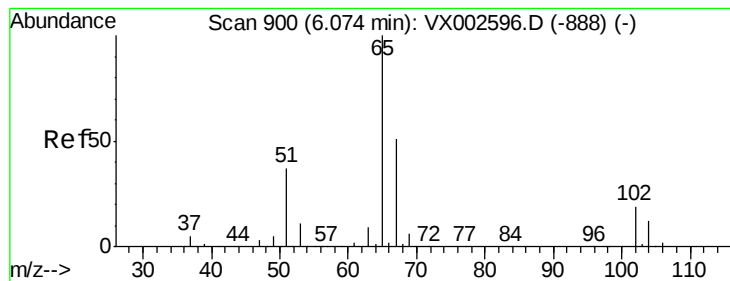
Tot Ion: 84 Resp: 1251
Ion Ratio Lower Upper
84 100
49 139.6 107.8 161.6
51 32.7 32.8 49.2#
86 80.9 52.5 78.7#



#29
Tetrahydrofuran
Concen: 0.79 ug/l
RT: 5.18 min Scan# 753
Delta R.T. 0.01 min
Lab File: VX002607.D
Acq: 15 Jun 2018 20:09

Tgt Ion: 42 Resp: 992
Ion Ratio Lower Upper
42 100
72 24.4 32.0 48.0#
71 26.3 30.1 45.1#





#33

1,2-Dichloroethane-d4

Concen: 45.76 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.00 min

Lab File: VX002607.D

Acq: 15 Jun 2018 20:09

Instrument :

MSVOA_X

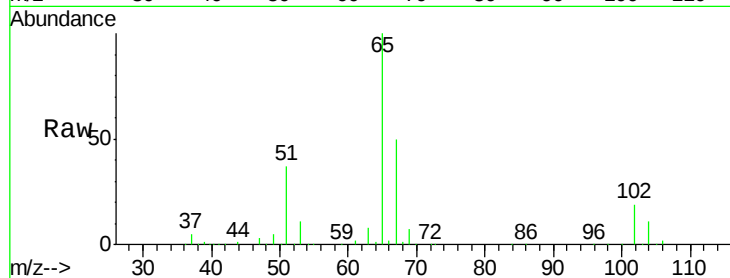
ClientSampleId :

Tot Ion: 65 Resp: 151057

Ion Ratio Lower Upper

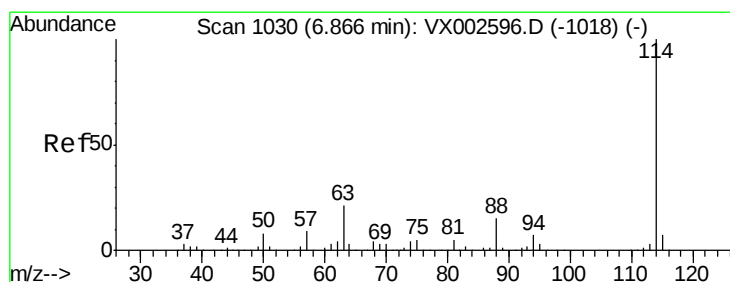
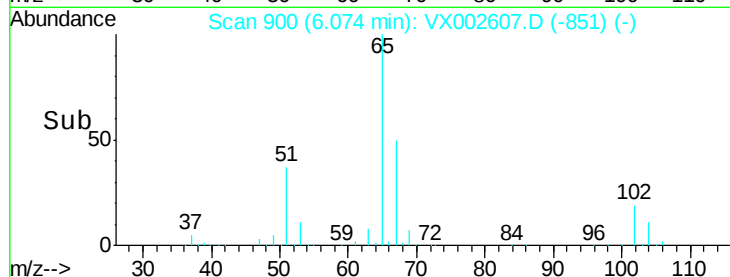
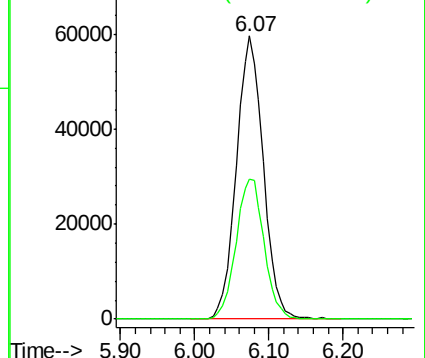
65 100

67 51.7 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: VX002607.D

Acq: 15 Jun 2018 20:09

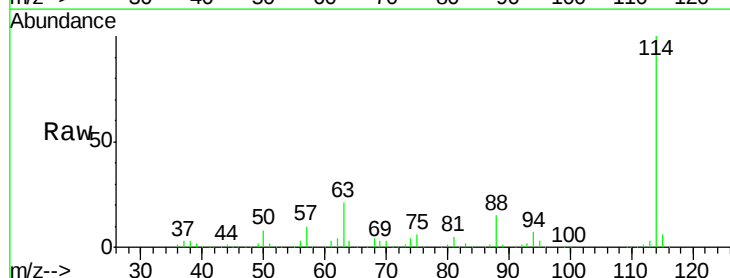
Tgt Ion: 114 Resp: 314653

Ion Ratio Lower Upper

114 100

63 21.2 0.0 41.4

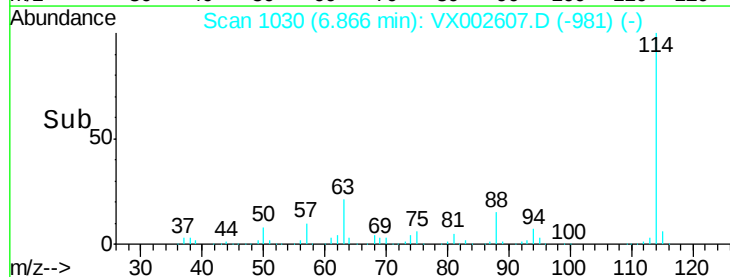
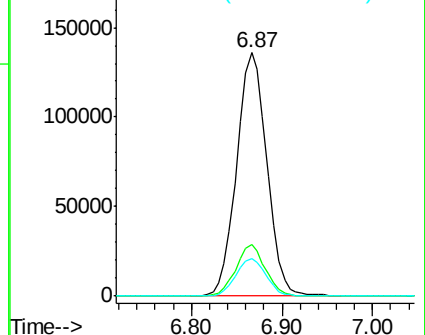
88 15.5 0.0 30.0

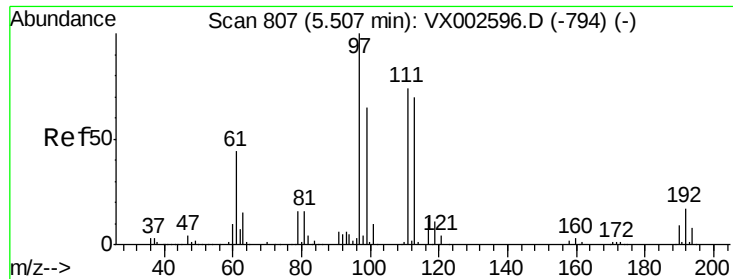


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 45.41 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.00 min

Lab File: VX002607.D

Acq: 15 Jun 2018 20:09

Instrument :

MSVOA_X

ClientSampled :

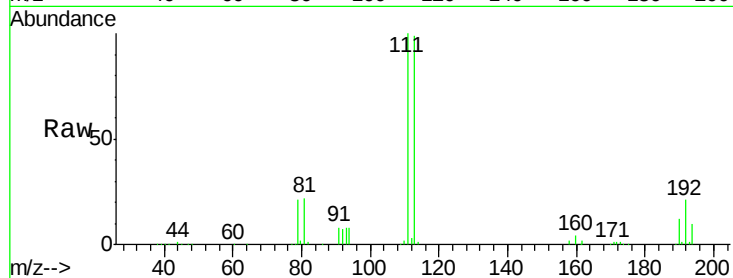
Tot Ion:113 Resp: 114045

Ion Ratio Lower Upper

113 100

111 102.8 81.4 122.0

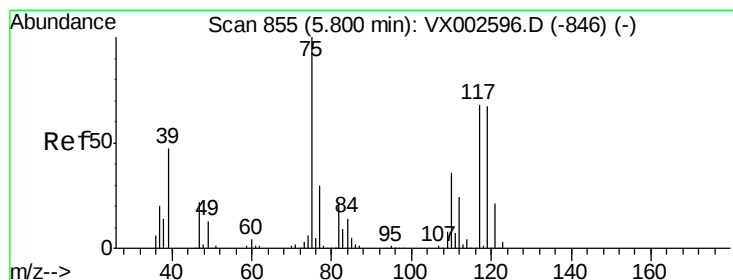
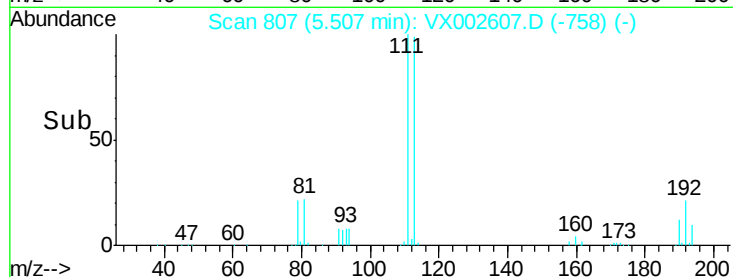
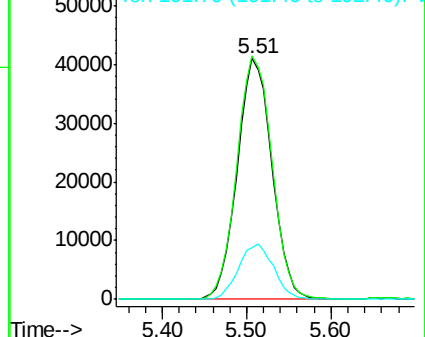
192 23.2 19.1 28.7



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: 4.88 ug/l

RT: 5.66 min Scan# 832

Delta R.T. -0.14 min

Lab File: VX002607.D

Acq: 15 Jun 2018 20:09

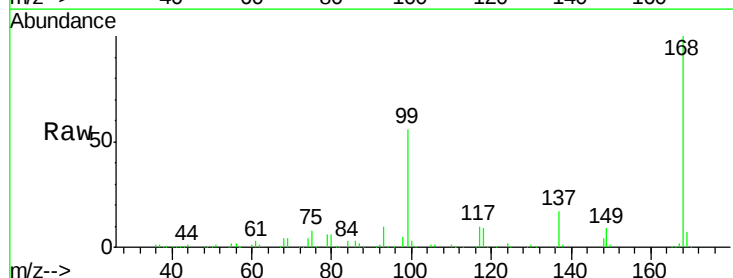
Tgt Ion: 75 Resp: 16307

Ion Ratio Lower Upper

75 100

110 9.3 18.1 54.4#

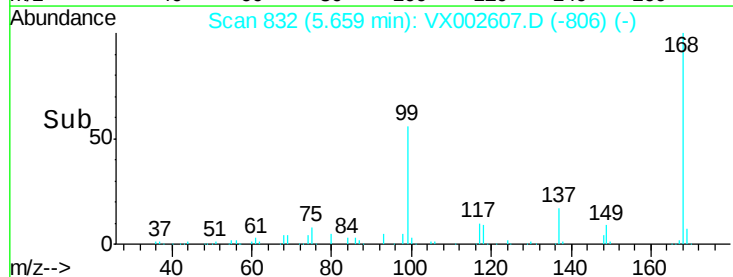
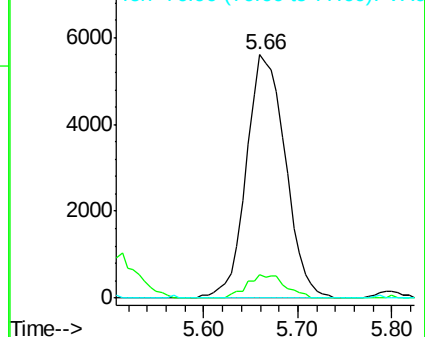
77 0.0 24.3 36.5#

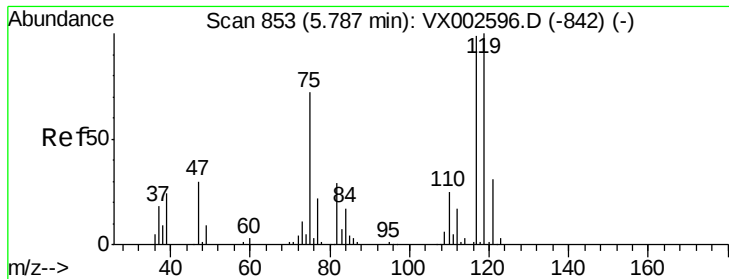


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.20 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.12 min

Lab File: VX002607.D

Acq: 15 Jun 2018 20:09

Instrument :

MSVOA_X

ClientSampleId :

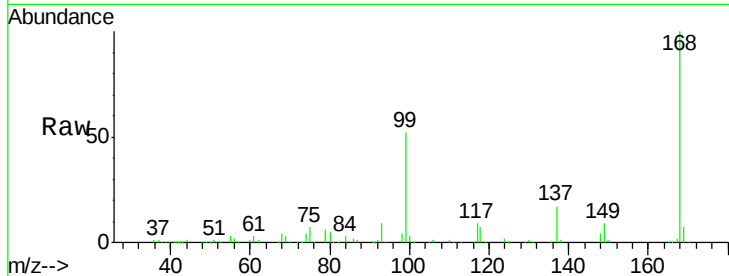
Tot Ion:117 Resp: 20634

Ion Ratio Lower Upper

117 100

119 4.6 77.4 116.0#

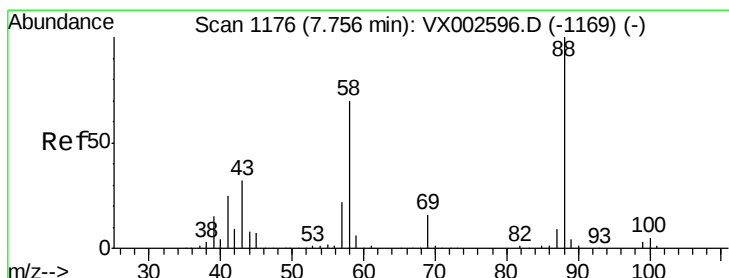
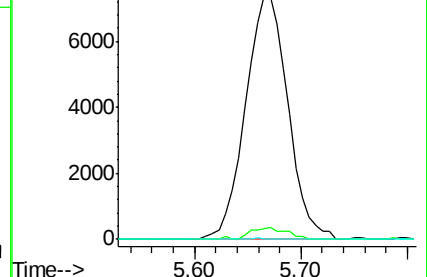
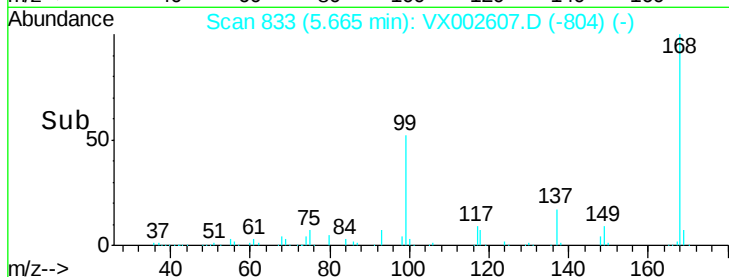
121 0.0 24.4 36.6#



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: 0.31 ug/l

RT: 7.49 min Scan# 1133

Delta R.T. -0.26 min

Lab File: VX002607.D

Acq: 15 Jun 2018 20:09

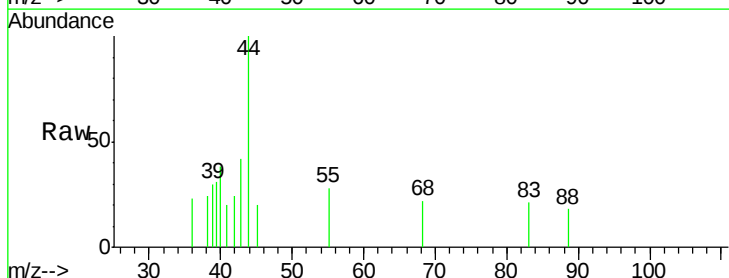
Tgt Ion: 88 Resp: 19

Ion Ratio Lower Upper

88 100

43 0.0 29.8 44.6#

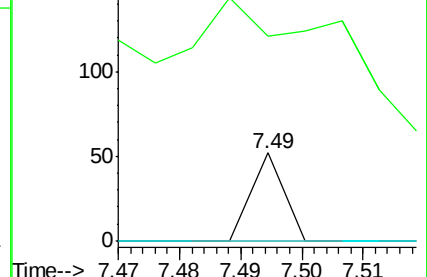
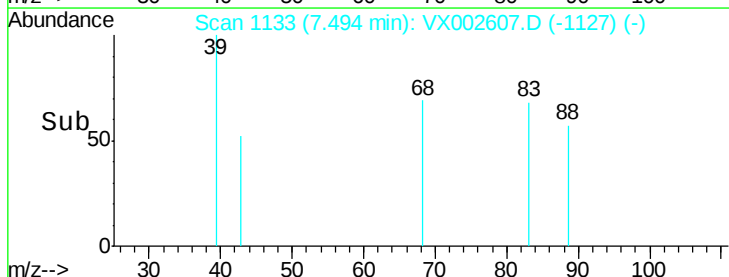
58 0.0 57.1 85.7#

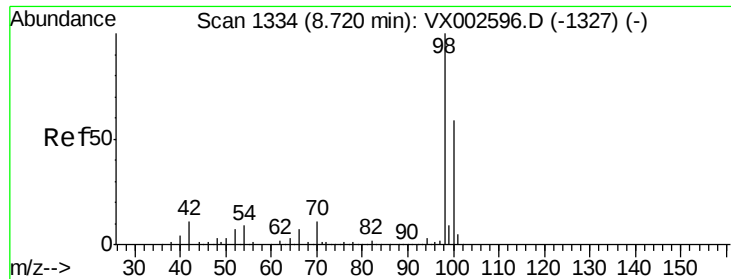


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 47.27 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX002607.D

Acq: 15 Jun 2018 20:09

Instrument :

MSVOA_X

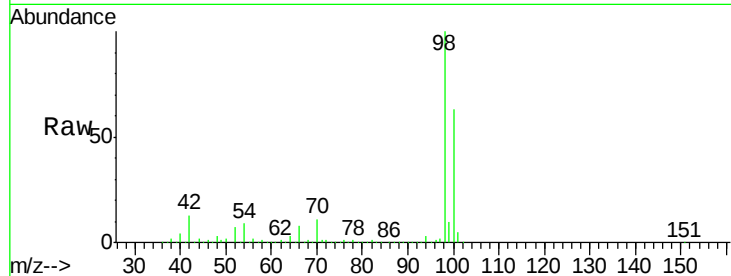
ClientSampleId :

Tot Ion: 98 Resp: 450693

Ion Ratio Lower Upper

98 100

100 63.7 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX

300000

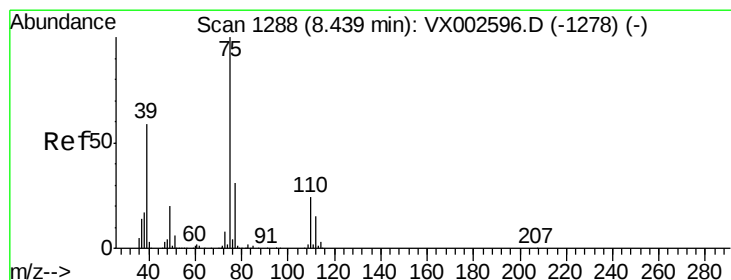
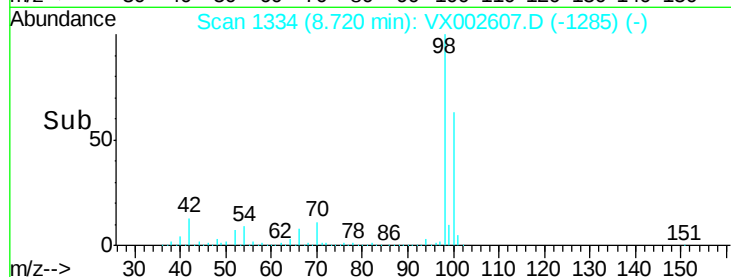
200000

100000

0

8.60 8.65 8.70 8.75 8.80

Time-->



#53

t-1,3-Dichloropropene

Concen: 2.42 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. 0.00 min

Lab File: VX002607.D

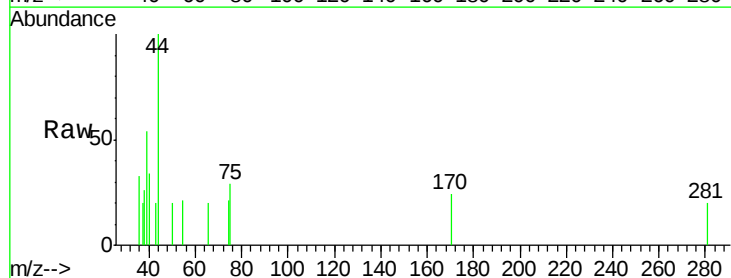
Acq: 15 Jun 2018 20:09

Tgt Ion: 75 Resp: 109

Ion Ratio Lower Upper

75 100

77 0.0 25.4 38.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

100

80

60

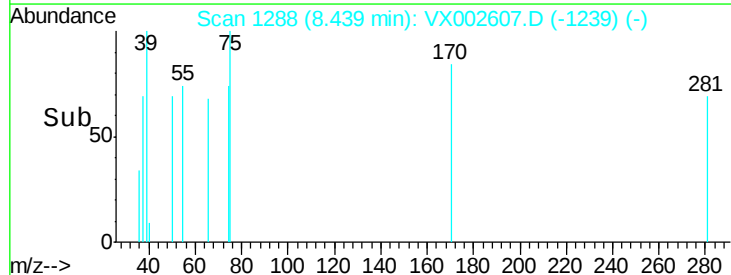
40

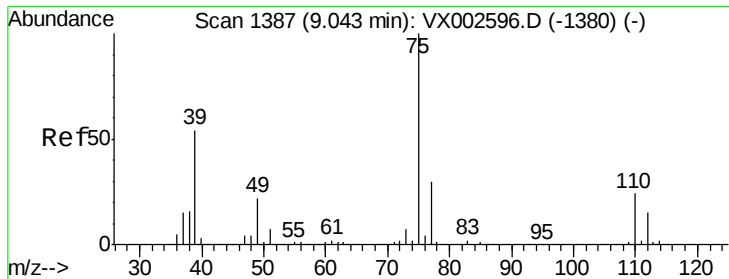
20

0

8.42 8.44 8.46 8.48

Time-->



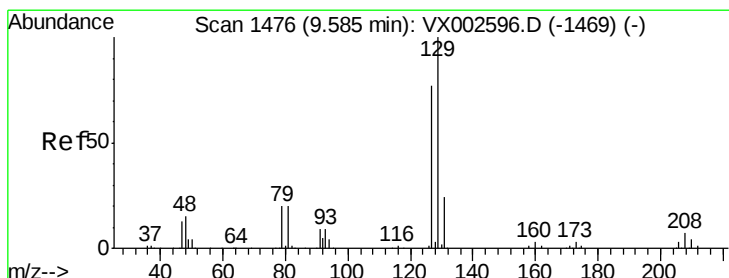
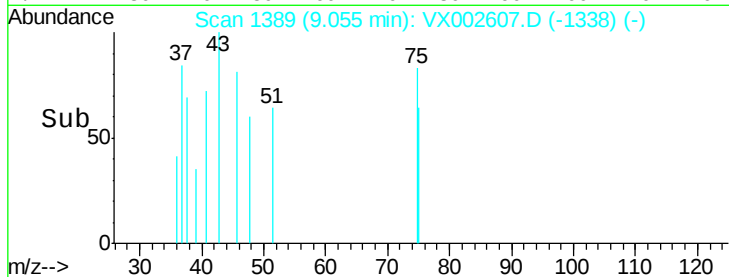
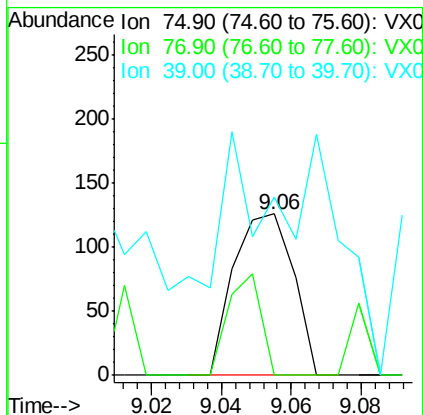
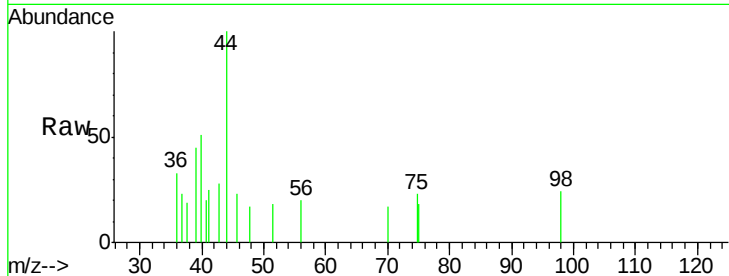


#54

cis-1,3-Dichloropropene
Concen: 3.25 ug/l
RT: 9.06 min Scan# 1389
Delta R.T. 0.01 min
Lab File: VX002607.D
Acq: 15 Jun 2018 20:09

Instrument :
MSVOA_X
ClientSampled :

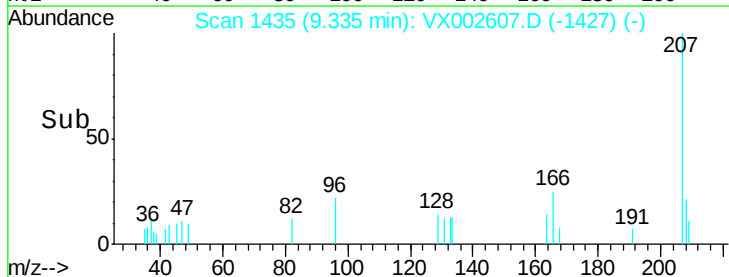
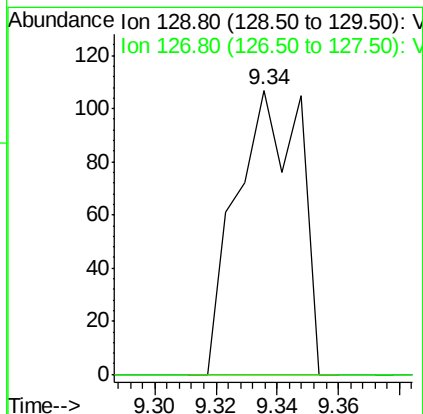
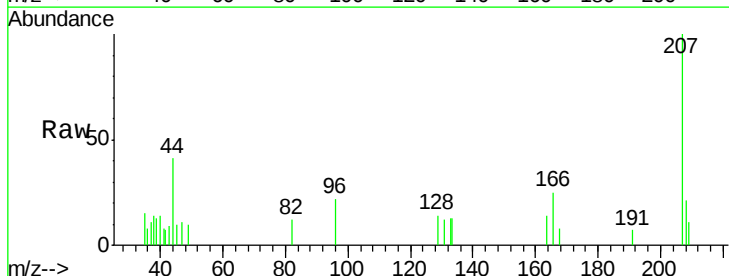
Tot Ion: 75 Resp: 148
Ion Ratio Lower Upper
75 100
77 0.0 24.8 37.2#
39 49.2 42.4 63.6

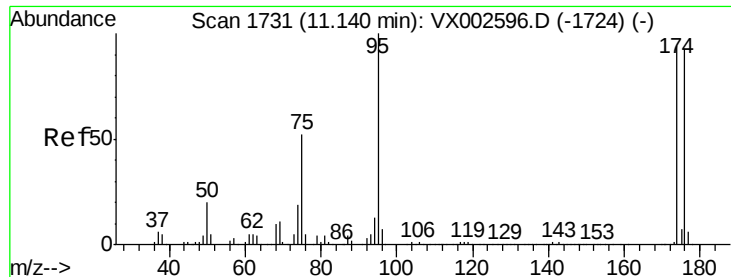


#60

Dibromochloromethane
Concen: 3.81 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.25 min
Lab File: VX002607.D
Acq: 15 Jun 2018 20:09

Tgt Ion: 129 Resp: 154
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.3#

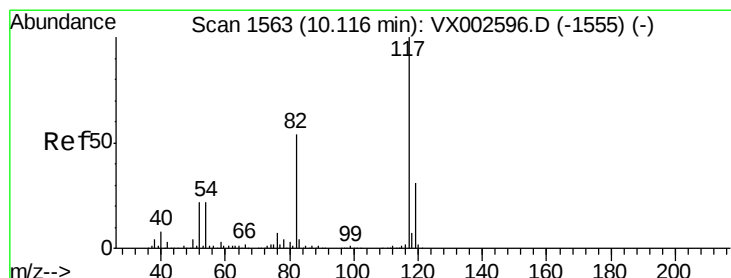
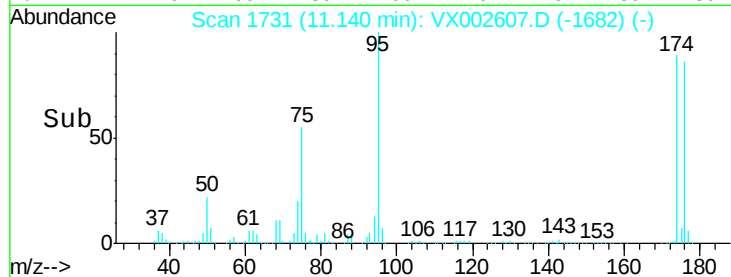
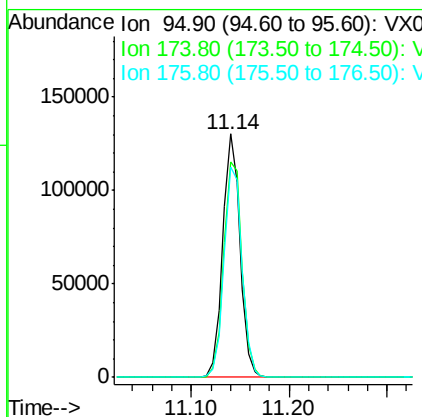
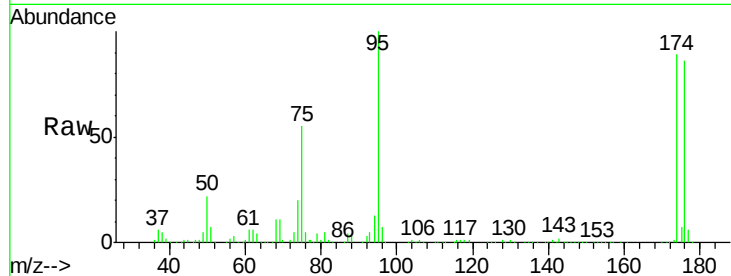




#62
4-Bromofluorobenzene
Concen: 44.09 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX002607.D
Acq: 15 Jun 2018 20:09

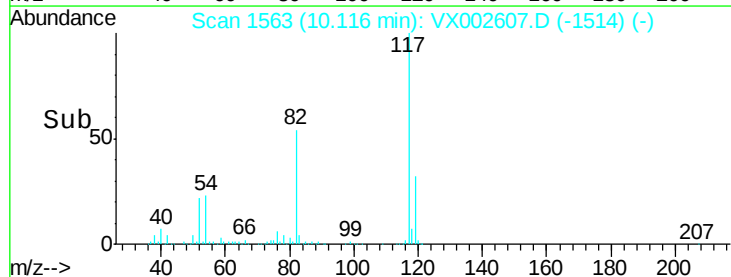
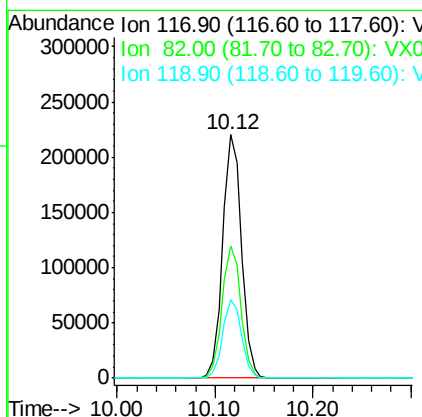
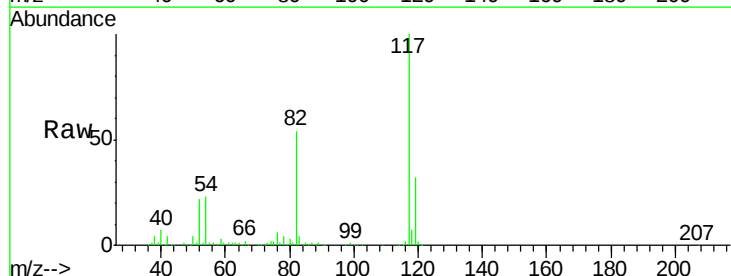
Instrument :
MSVOA_X
ClientSampleId :

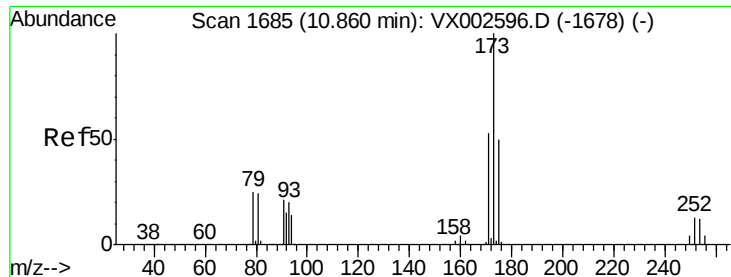
Tot Ion: 95 Resp: 159315
Ion Ratio Lower Upper
95 100
174 94.0 0.0 187.4
176 90.6 0.0 181.0



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX002607.D
Acq: 15 Jun 2018 20:09

Tgt Ion: 117 Resp: 294126
Ion Ratio Lower Upper
117 100
82 54.1 45.0 67.4
119 32.1 25.8 38.6





#71

Bromoform

Concen: 4.86 ug/l

RT: 10.87 min Scan# 1686

Delta R.T. 0.01 min

Lab File: VX002607.D

Acq: 15 Jun 2018 20:09

Instrument :

MSVOA_X

ClientSampleId :

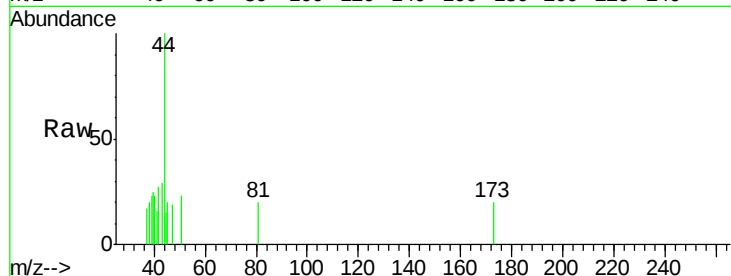
Tot Ion:173 Resp: 44

Ion Ratio Lower Upper

173 100

175 0.0 24.7 74.1#

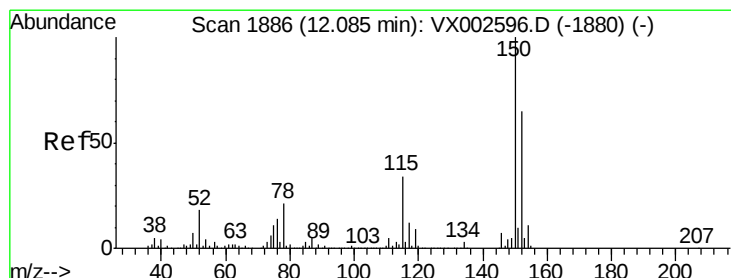
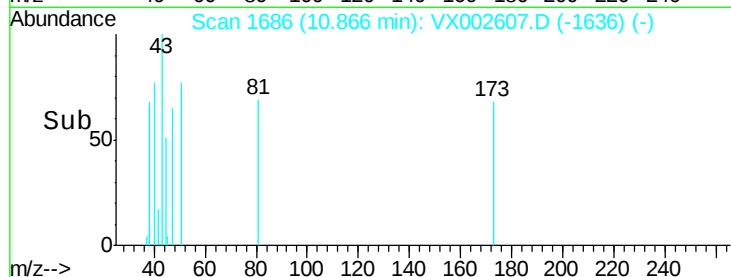
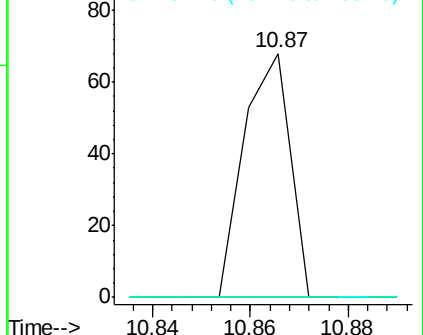
254 0.0 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX002607.D

Acq: 15 Jun 2018 20:09

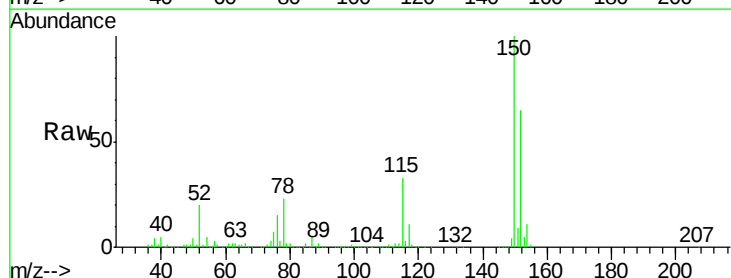
Tgt Ion:152 Resp: 164071

Ion Ratio Lower Upper

152 100

115 54.5 40.1 120.2

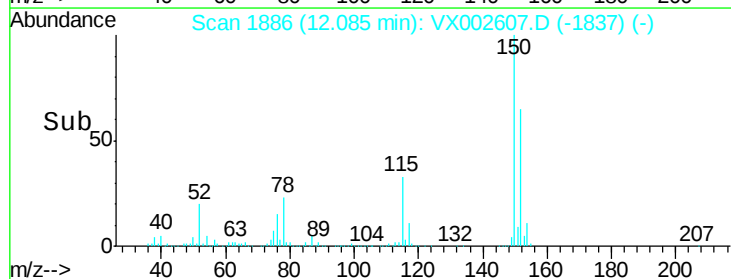
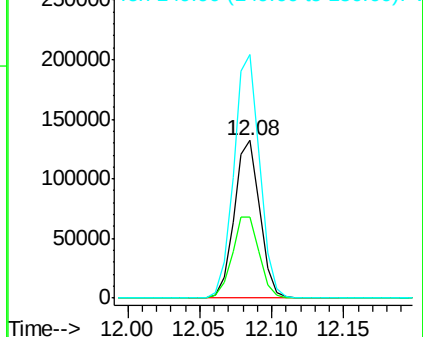
150 156.7 0.0 347.2

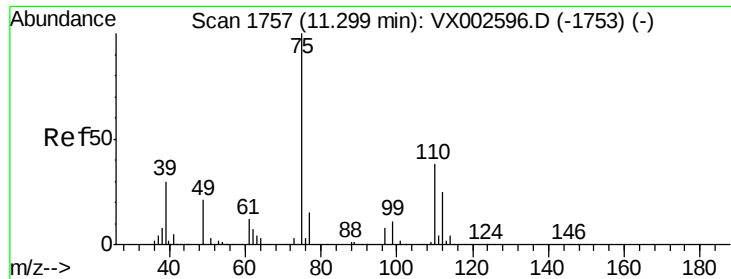


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 28.11 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX002607.D

Acq: 15 Jun 2018 20:09

Instrument :

MSVOA_X

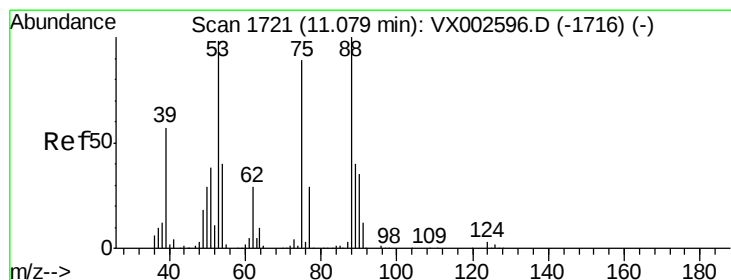
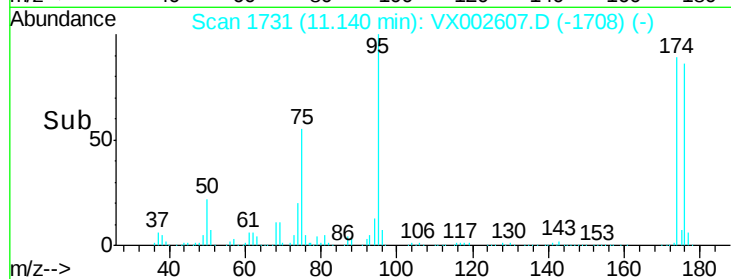
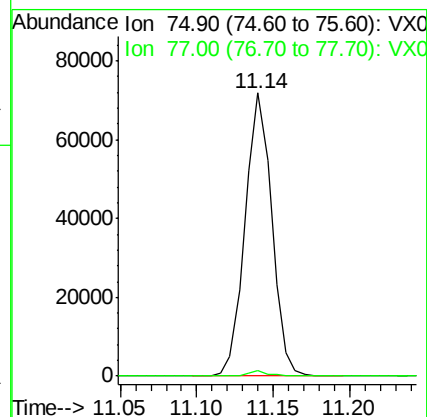
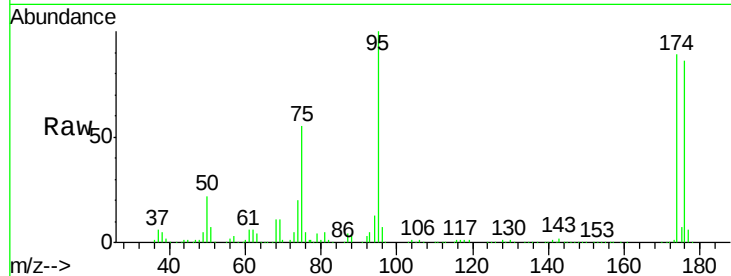
ClientSampleId :

Tot Ion: 75 Resp: 87014

Ion Ratio Lower Upper

75 100

77 1.5 22.8 68.3#



#81

trans-1,4-Dichloro-2-butene

Concen: 86.59 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX002607.D

Acq: 15 Jun 2018 20:09

Tgt Ion: 75 Resp: 87014

Ion Ratio Lower Upper

75 100

53 0.0 86.8 130.2#

89 0.1 38.2 57.2#

