

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062218\
 Data File : VX002842.D
 Acq On : 22 Jun 2018 20:26
 Operator : JC/MD
 Sample : J3604-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 23 00:26:36 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	221751	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	312833	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	294659	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	163120	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	153186	45.46	ug/l	0.00
Spiked Amount			Recovery	=	90.92%	
35) Dibromofluoromethane	5.51	113	118645	47.52	ug/l	0.00
Spiked Amount			Recovery	=	95.04%	
50) Toluene-d8	8.72	98	441301	46.55	ug/l	0.00
Spiked Amount			Recovery	=	93.10%	
62) 4-Bromofluorobenzene	11.14	95	154088	42.89	ug/l	0.00
Spiked Amount			Recovery	=	85.78%	

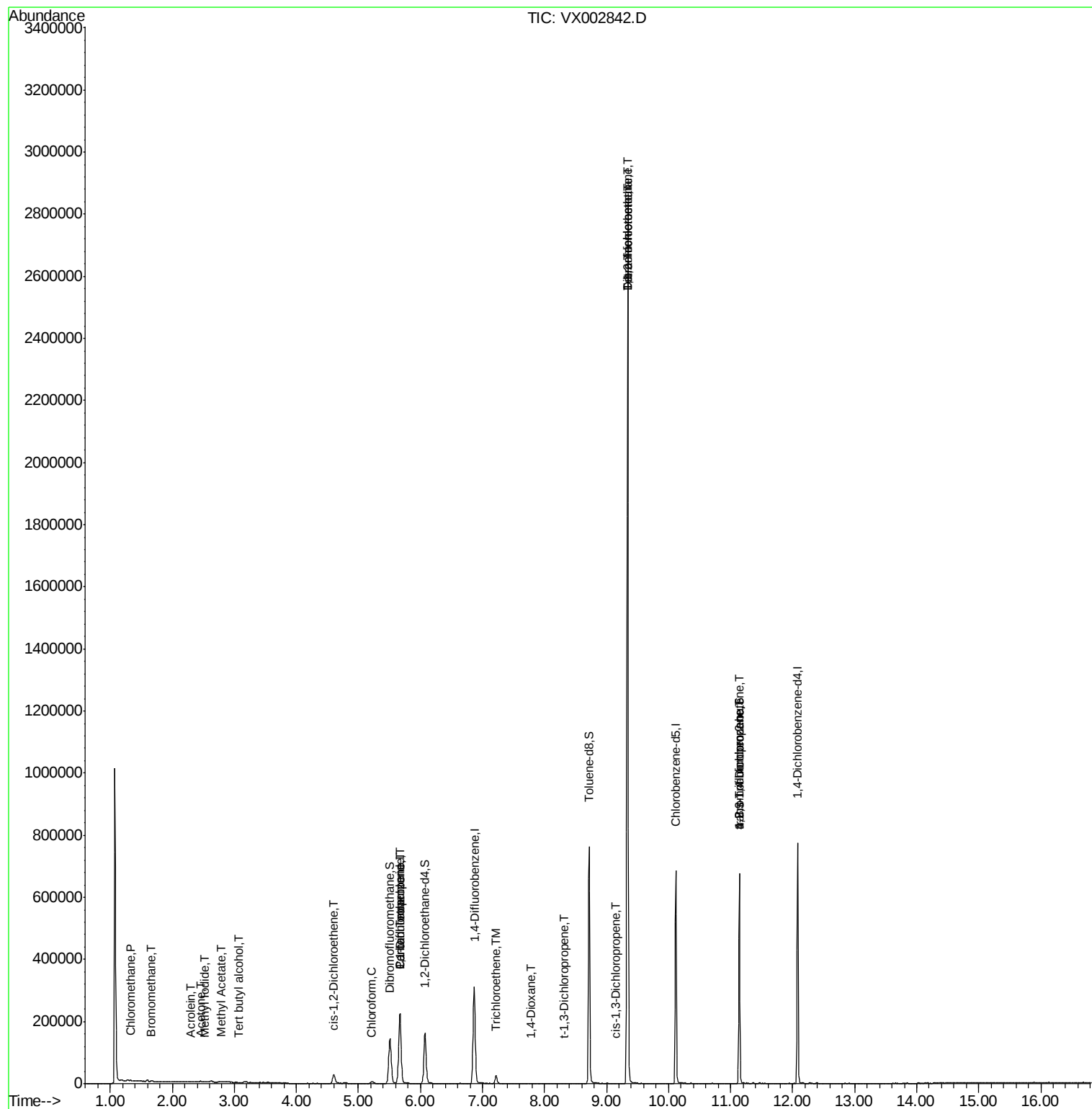
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	2081	0.74	ug/l	93
5) Bromomethane	1.66	94	1152	0.66	ug/l	89
10) Methyl Iodide	2.52	142	1037	5.44	ug/l #	93
11) Tert butyl alcohol	3.06	59	183	0.26	ug/l	98
13) Acrolein	2.29	56	114	7.20	ug/l #	1
16) Acetone	2.45	43	3346	2.25	ug/l	99
18) Methyl Acetate	2.78	43	1447	0.37	ug/l #	76
27) cis-1,2-Dichloroethene	4.60	96	15598	5.70	ug/l	83
30) Chloroform	5.21	83	6224	1.34	ug/l	96
36) 1,1-Dichloropropene	5.67	75	15563	4.68	ug/l #	51
38) Carbon Tetrachloride	5.67	117	20191	6.10	ug/l #	16
44) Trichloroethene	7.22	130	9988	3.47	ug/l	96
49) 1,4-Dioxane	7.78	88	20	0.33	ug/l #	1
53) t-1,3-Dichloropropene	8.32	75	18	2.40	ug/l #	43
54) cis-1,3-Dichloropropene	9.15	75	21	3.22	ug/l #	32
55) 1,1,2-Trichloroethane	9.34	97	4741	1.85	ug/l #	9
60) Dibromochloromethane	9.34	129	499830	163.78	ug/l #	11
64) Tetrachloroethene	9.34	164	571157	174.62	ug/l	99
76) 1,2,3-Trichloropropane	11.14	75	80652	26.20	ug/l #	32
81) trans-1,4-Dichloro-2-buten	11.14	75	80652	81.01	ug/l #	7

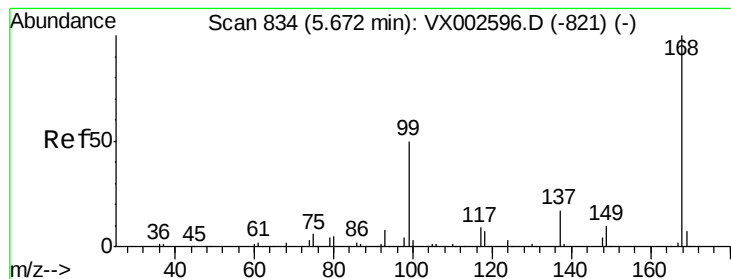
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Sat Jun 16 01:37:33 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.00 min

Lab File: VX002842.D

Acq: 22 Jun 2018 20:26

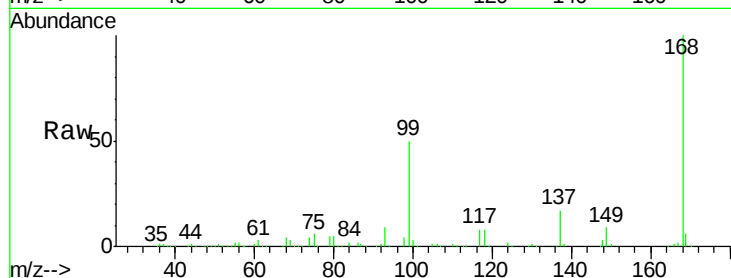
Instrument :
MSVOA_X
ClientSampled :

Tot Ion:168 Resp: 221751

Ion Ratio Lower Upper

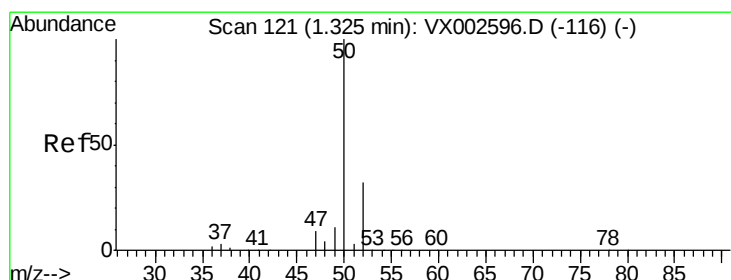
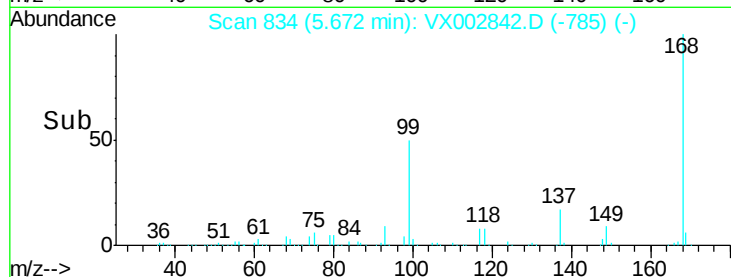
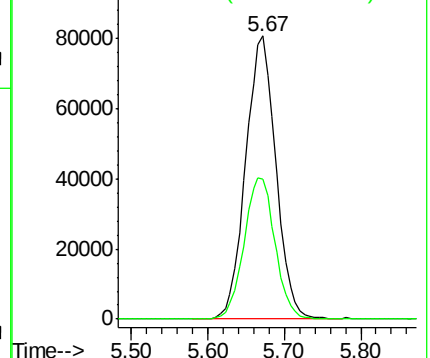
168 100

99 49.5 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.74 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX002842.D

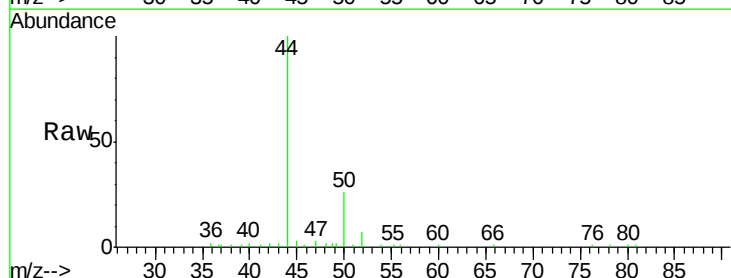
Acq: 22 Jun 2018 20:26

Tgt Ion: 50 Resp: 2081

Ion Ratio Lower Upper

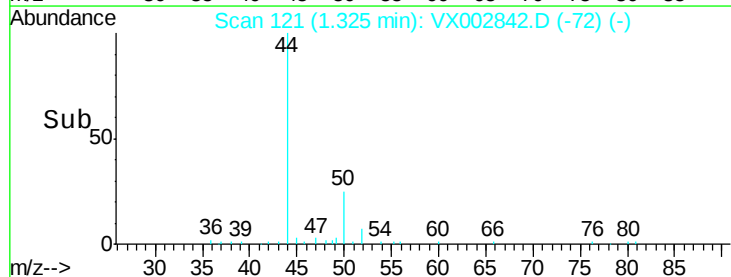
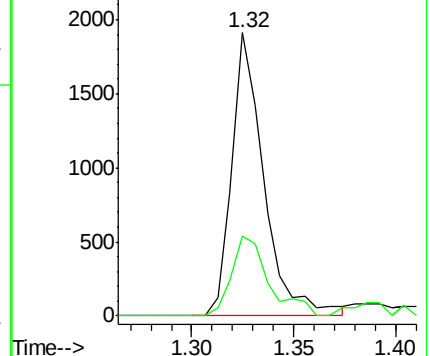
50 100

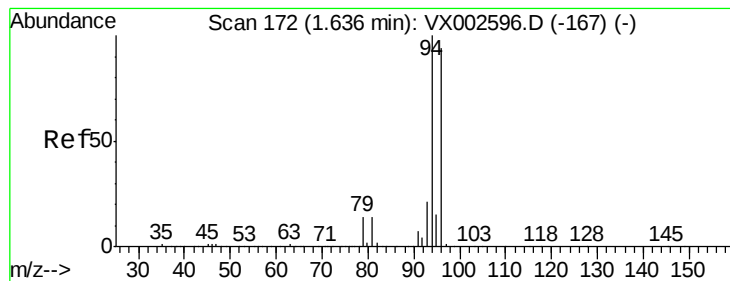
52 28.3 25.7 38.5



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 0.66 ug/l

RT: 1.66 min Scan# 176

Delta R.T. 0.02 min

Lab File: VX002842.D

Acq: 22 Jun 2018 20:26

Instrument :

MSVOA_X

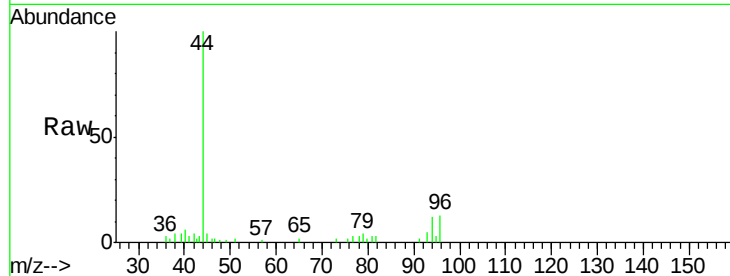
ClientSampleId :

Tot Ion: 94 Resp: 1152

Ion Ratio Lower Upper

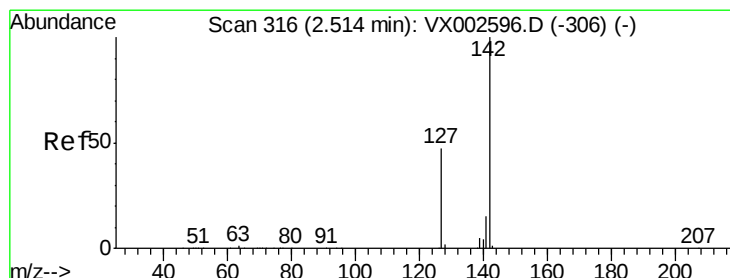
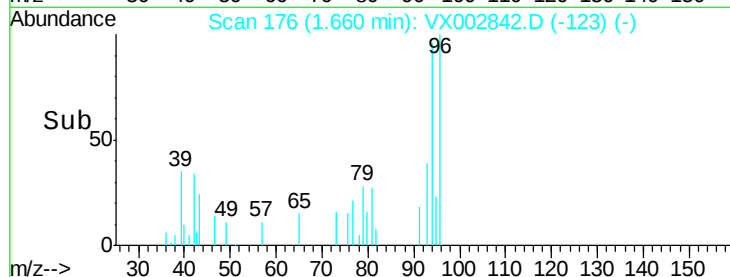
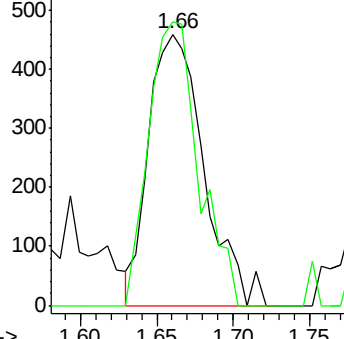
94 100

96 104.6 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: 5.44 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX002842.D

Acq: 22 Jun 2018 20:26

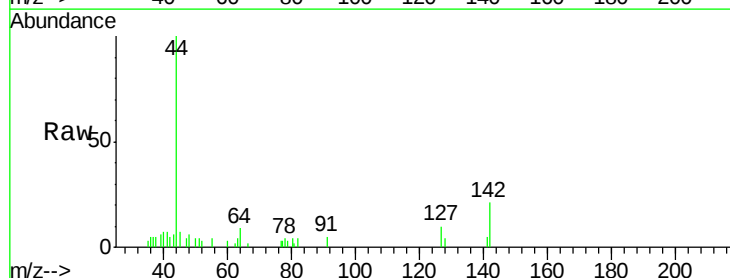
Tgt Ion: 142 Resp: 1037

Ion Ratio Lower Upper

142 100

127 49.4 36.6 55.0

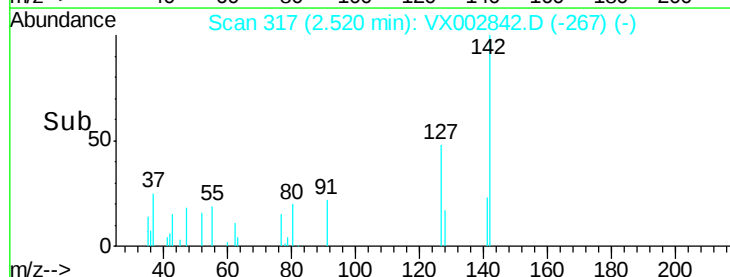
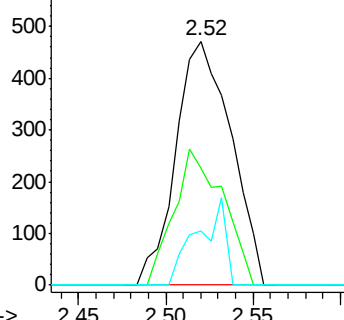
141 18.3 11.3 16.9#

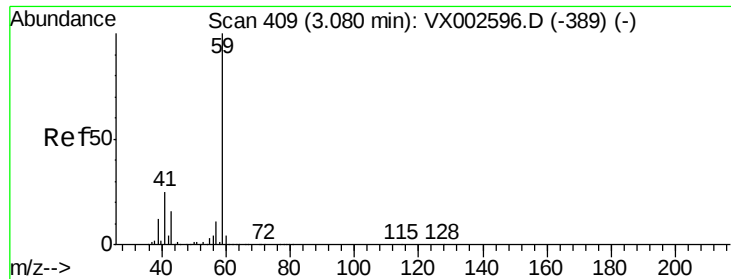


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



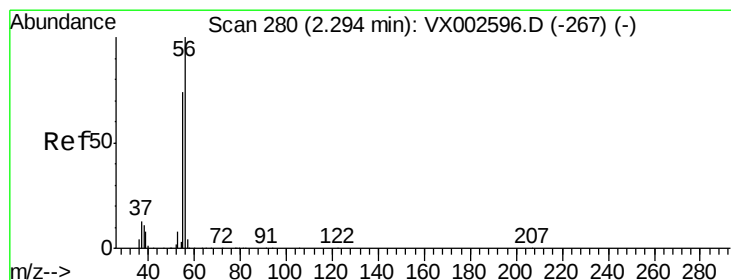
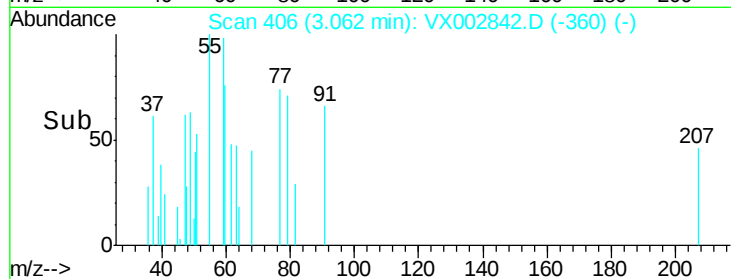
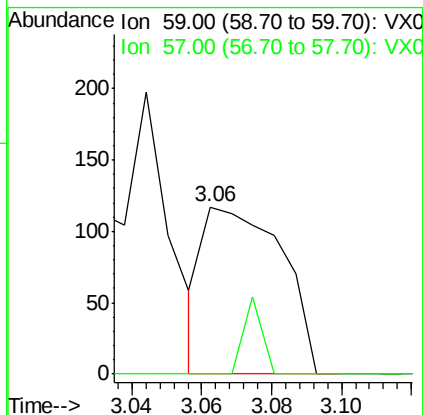
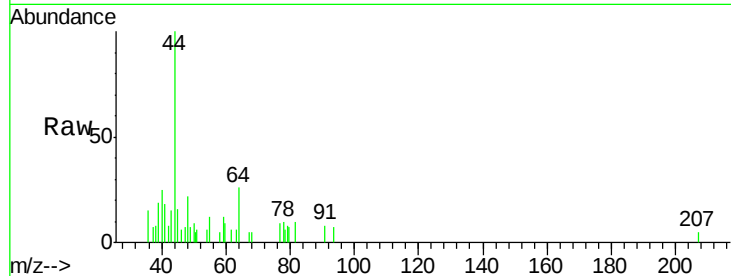


#11

Tert butvl alcohol
 Concen: 0.26 ug/l
 RT: 3.06 min Scan# 406
 Delta R.T. -0.02 min
 Lab File: VX002842.D
 Acq: 22 Jun 2018 20:26

Instrument :
 MSVOA_X
 ClientSampled :

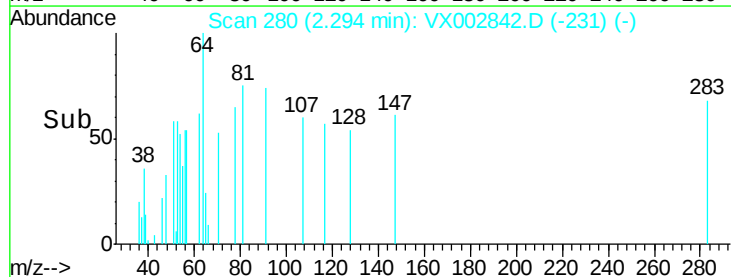
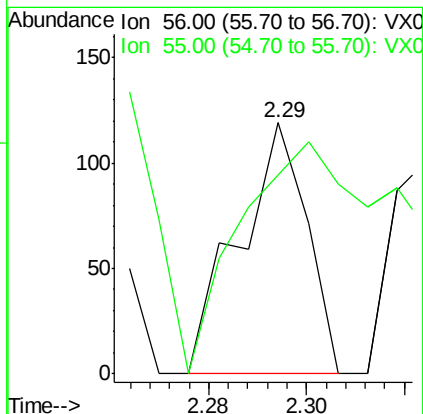
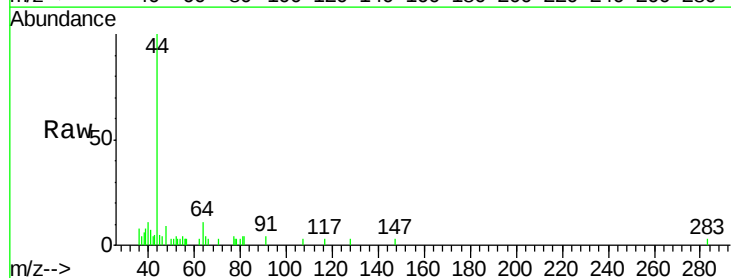
Tot Ion: 59 Resp: 183
 Ion Ratio Lower Upper
 59 100
 57 10.9 8.2 12.2

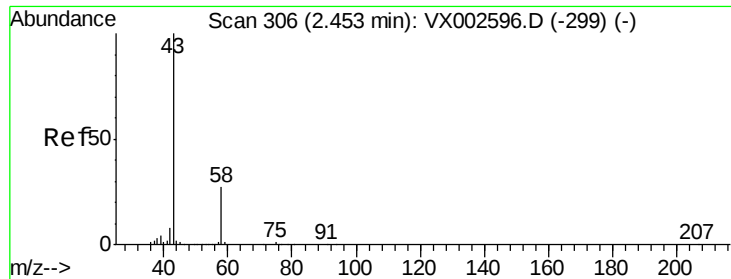


#13

Acrolein
 Concen: 7.20 ug/l
 RT: 2.29 min Scan# 280
 Delta R.T. 0.00 min
 Lab File: VX002842.D
 Acq: 22 Jun 2018 20:26

Tgt Ion: 56 Resp: 114
 Ion Ratio Lower Upper
 56 100
 55 263.2 57.0 85.4#





#16

Acetone

Concen: 2.25 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX002842.D

Acq: 22 Jun 2018 20:26

Instrument :

MSVOA_X

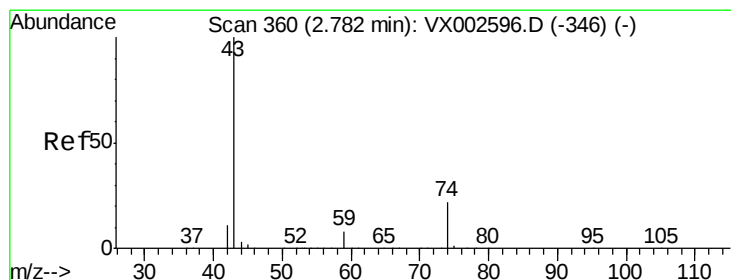
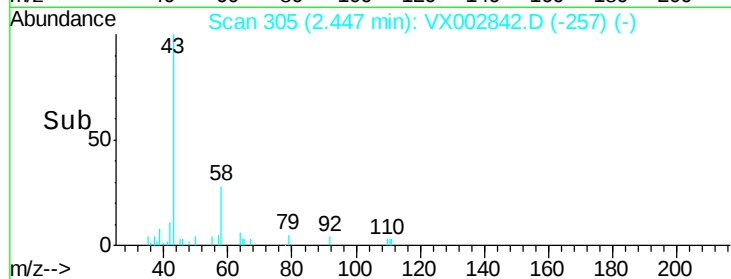
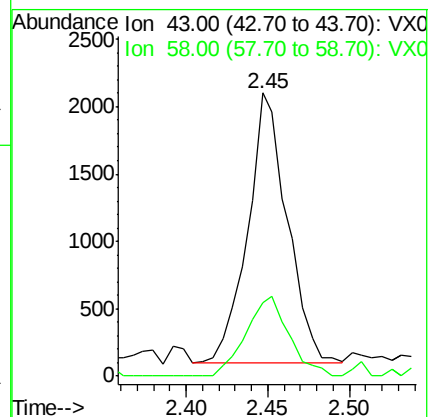
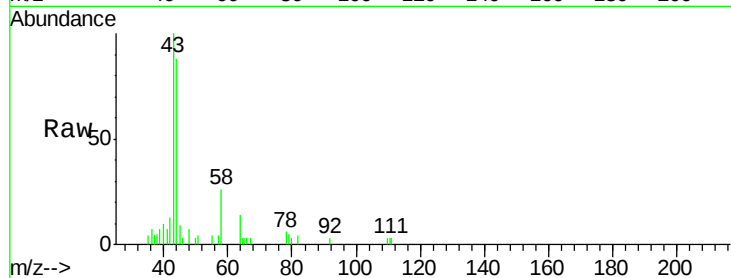
ClientSampleId :

Tot Ion: 43 Resp: 3346

Ion Ratio Lower Upper

43 100

58 27.3 22.1 33.1



#18

Methyl Acetate

Concen: 0.37 ug/l

RT: 2.78 min Scan# 360

Delta R.T. 0.00 min

Lab File: VX002842.D

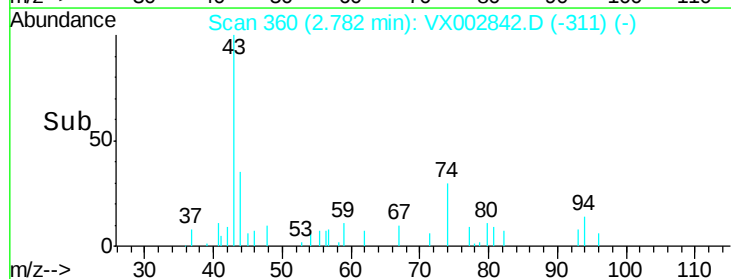
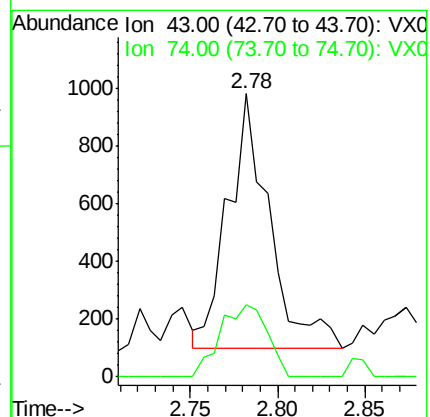
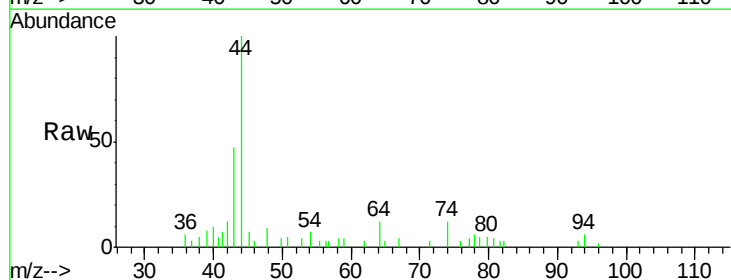
Acq: 22 Jun 2018 20:26

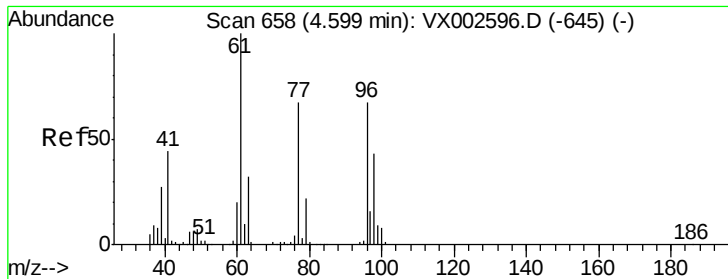
Tgt Ion: 43 Resp: 1447

Ion Ratio Lower Upper

43 100

74 32.3 16.7 25.1#





#27

cis-1,2-Dichloroethene

Concen: 5.70 ug/l

RT: 4.60 min Scan# 659

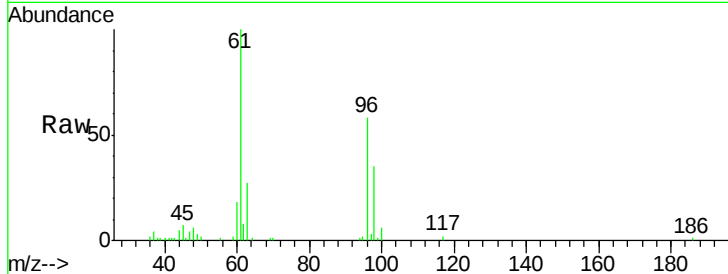
Delta R.T. 0.01 min

Lab File: VX002842.D

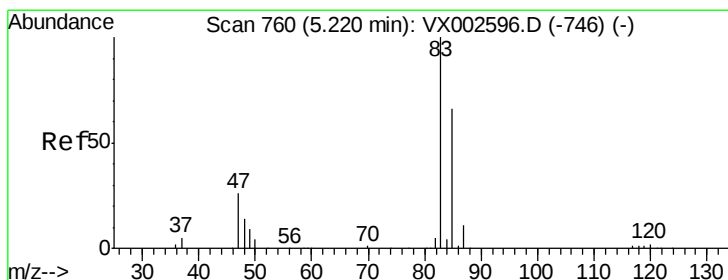
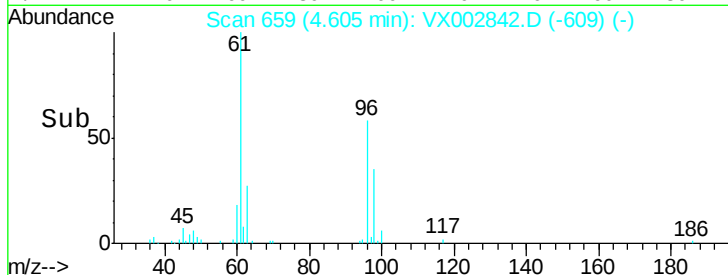
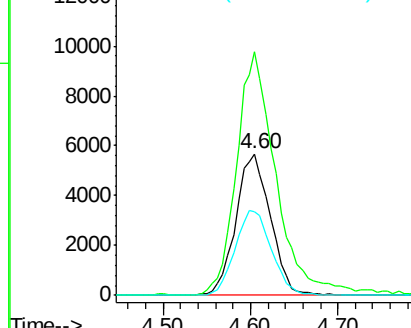
Acq: 22 Jun 2018 20:26

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 96 Resp: 15598
Ion Ratio Lower Upper
96 100
61 195.9 0.0 330.2
98 62.9 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



#30

Chloroform

Concen: 1.34 ug/l

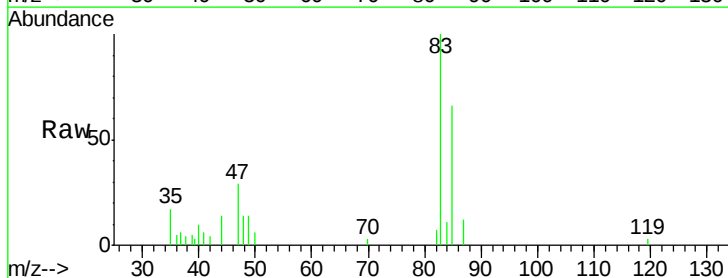
RT: 5.21 min Scan# 759

Delta R.T. -0.01 min

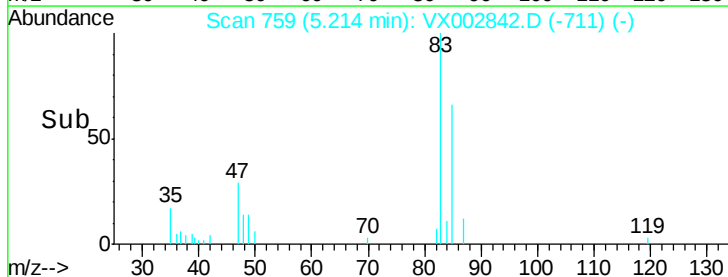
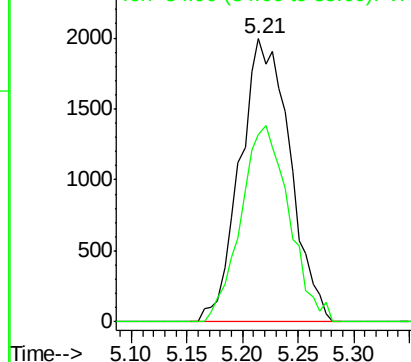
Lab File: VX002842.D

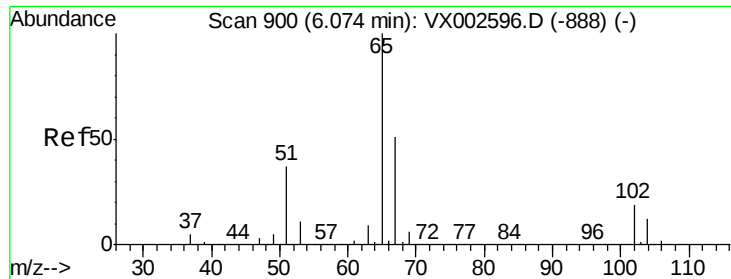
Acq: 22 Jun 2018 20:26

Tgt Ion: 83 Resp: 6224
Ion Ratio Lower Upper
83 100
85 66.1 50.4 75.6



Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0

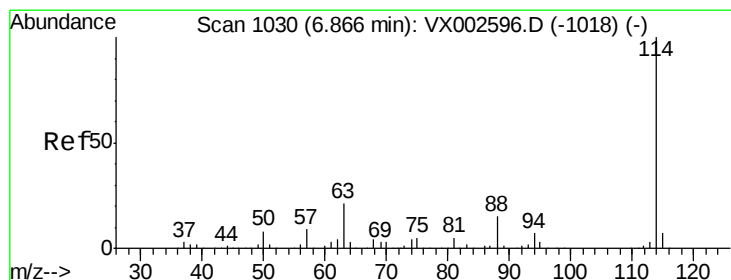
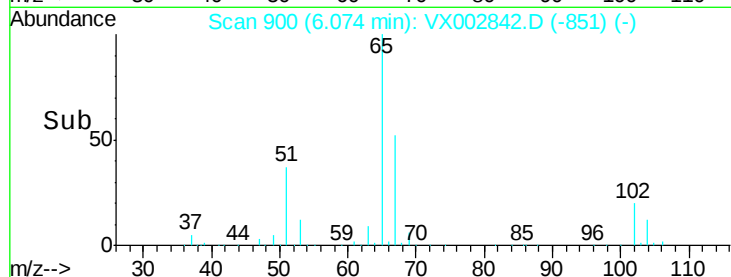
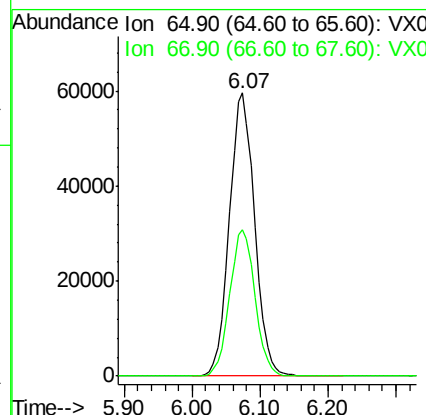
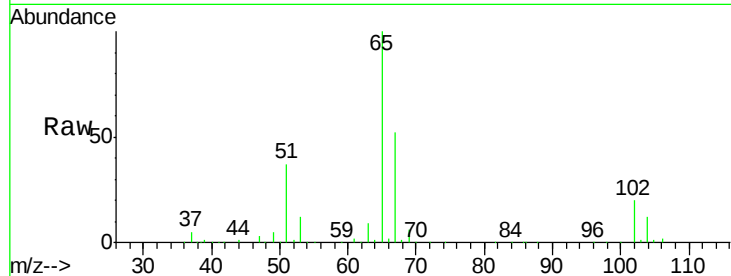




#33
 1,2-Dichloroethane-d4
 Concen: 45.46 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX002842.D
 Acq: 22 Jun 2018 20:26

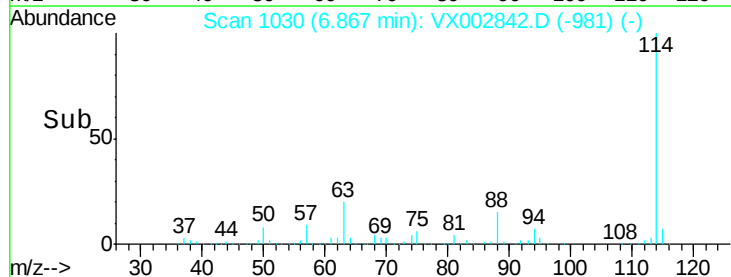
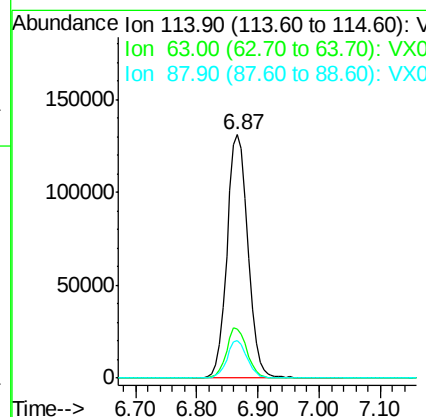
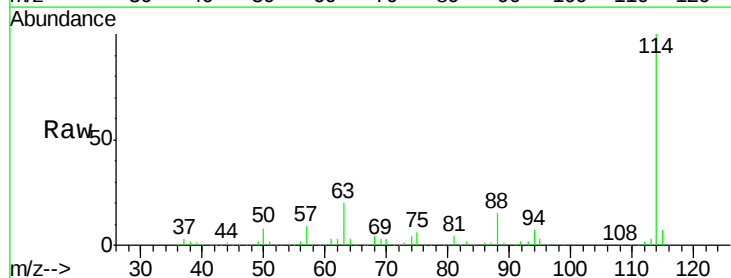
Instrument :
 MSVOA_X
 ClientSampleId :

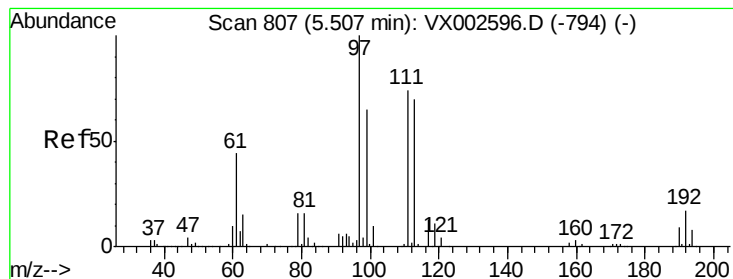
Tot Ion: 65 Resp: 153186
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX002842.D
 Acq: 22 Jun 2018 20:26

Tgt Ion: 114 Resp: 312833
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 41.4
 88 15.2 0.0 30.0





#35

Dibromofluoromethane

Concen: 47.52 ug/l

RT: 5.51 min Scan# 808

Delta R.T. 0.01 min

Lab File: VX002842.D

Acq: 22 Jun 2018 20:26

Instrument :

MSVOA_X

ClientSampled :

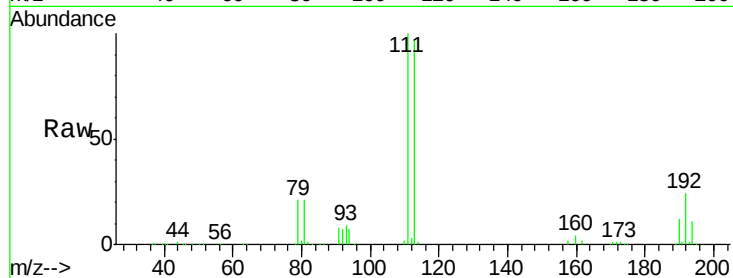
Tot Ion:113 Resp: 118645

Ion Ratio Lower Upper

113 100

111 103.1 81.4 122.0

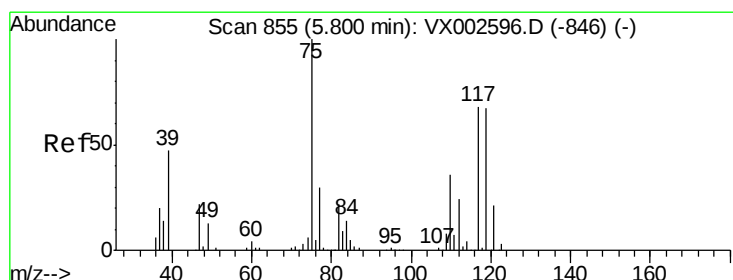
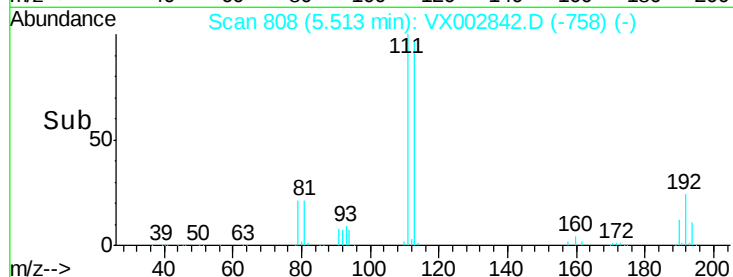
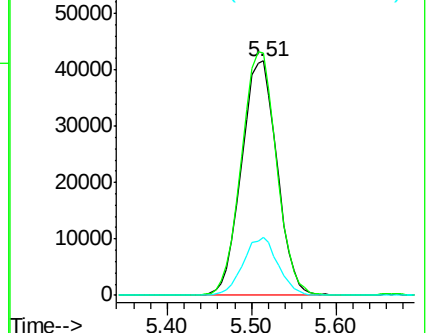
192 24.3 19.1 28.7



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: 4.68 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.13 min

Lab File: VX002842.D

Acq: 22 Jun 2018 20:26

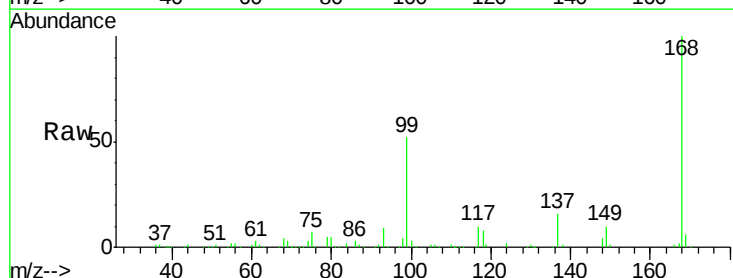
Tgt Ion: 75 Resp: 15563

Ion Ratio Lower Upper

75 100

110 10.2 18.1 54.4#

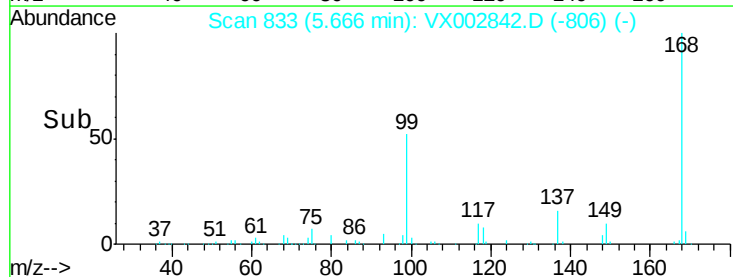
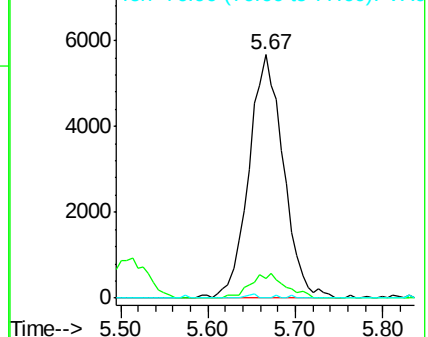
77 0.2 24.3 36.5#

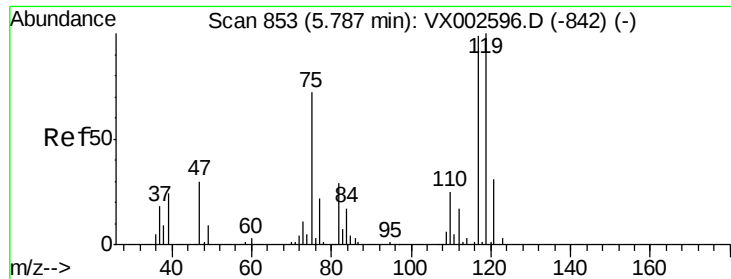


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.10 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.12 min

Lab File: VX002842.D

Acq: 22 Jun 2018 20:26

Instrument :

MSVOA_X

ClientSampleId :

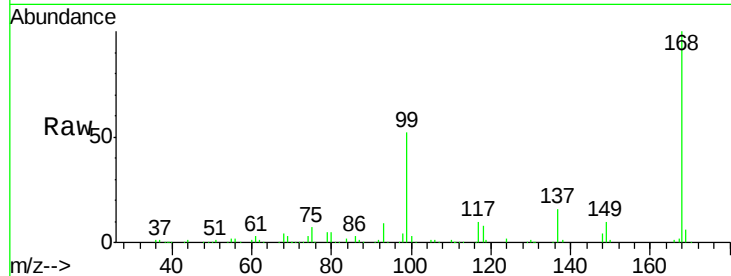
Tot Ion:117 Resp: 20191

Ion Ratio Lower Upper

117 100

119 6.1 77.4 116.0#

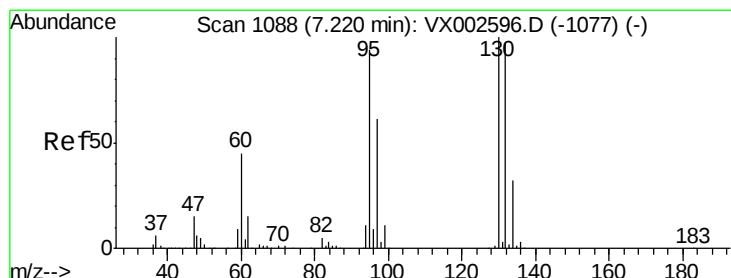
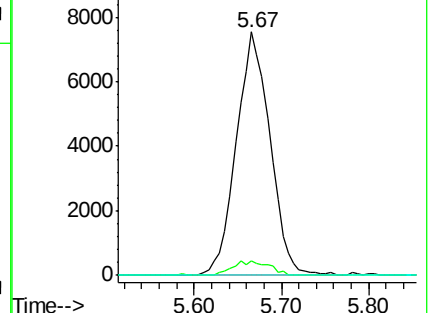
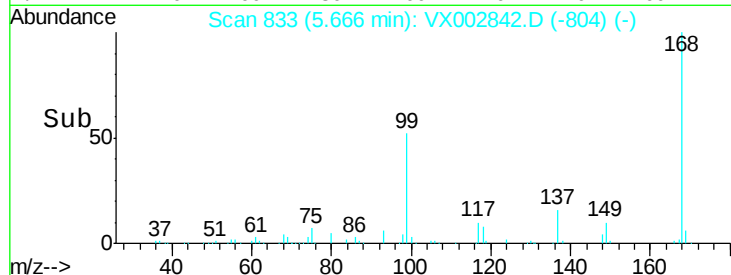
121 0.0 24.4 36.6#



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



#44

Trichloroethene

Concen: 3.47 ug/l

RT: 7.22 min Scan# 1088

Delta R.T. 0.00 min

Lab File: VX002842.D

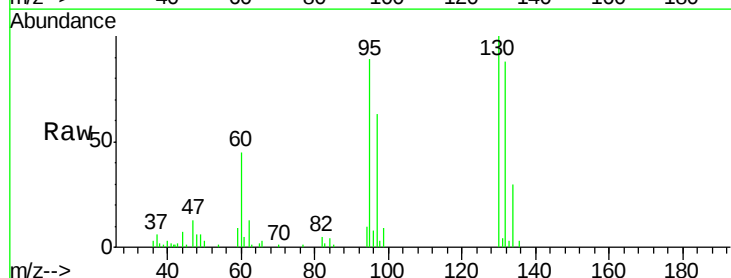
Acq: 22 Jun 2018 20:26

Tgt Ion:130 Resp: 9988

Ion Ratio Lower Upper

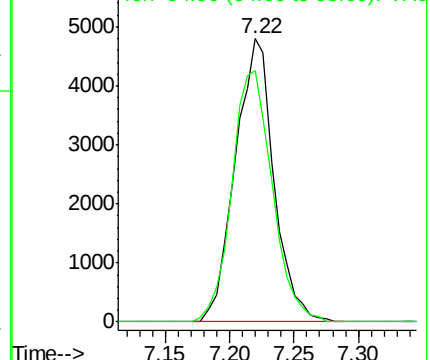
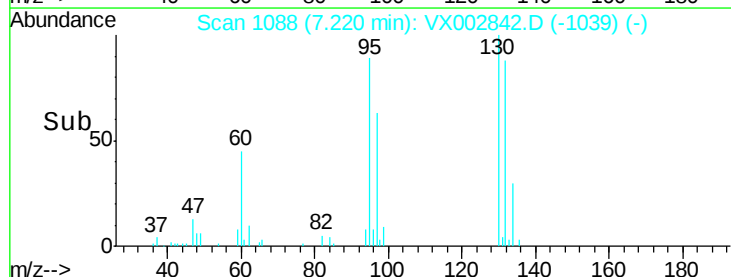
130 100

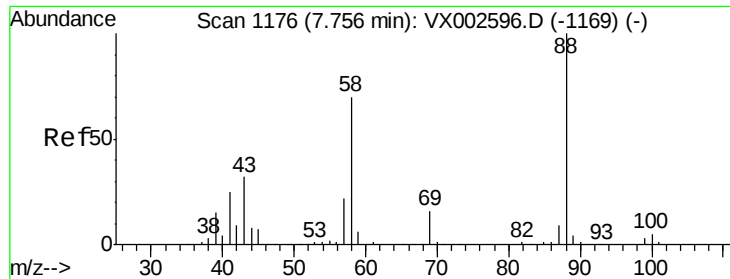
95 88.6 0.0 185.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#49

1,4-Dioxane

Concen: 0.33 ug/l

RT: 7.78 min Scan# 1180

Delta R.T. 0.02 min

Lab File: VX002842.D

Acq: 22 Jun 2018 20:26

Instrument :

MSVOA_X

ClientSampleId :

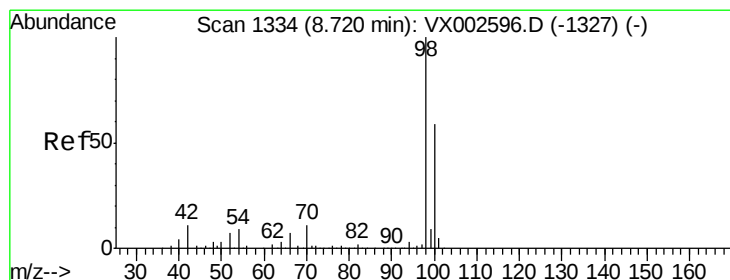
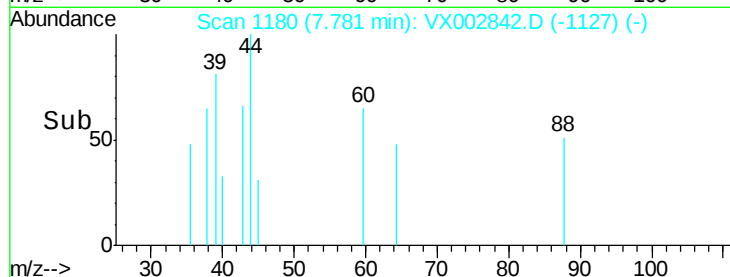
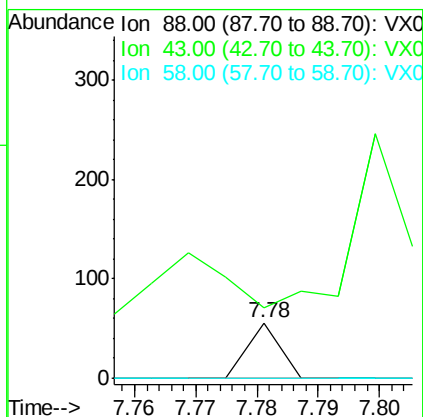
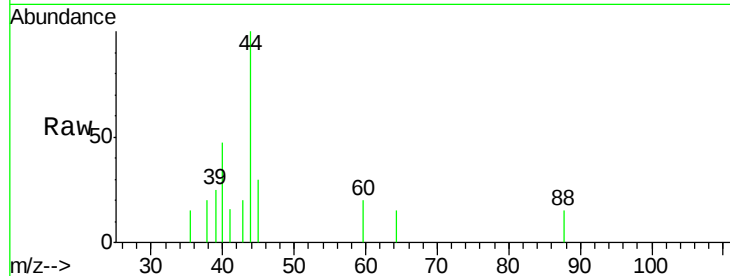
Tot Ion: 88 Resp: 20

Ion Ratio Lower Upper

88 100

43 545.0 29.8 44.6#

58 0.0 57.1 85.7#



#50

Toluene-d8

Concen: 46.55 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX002842.D

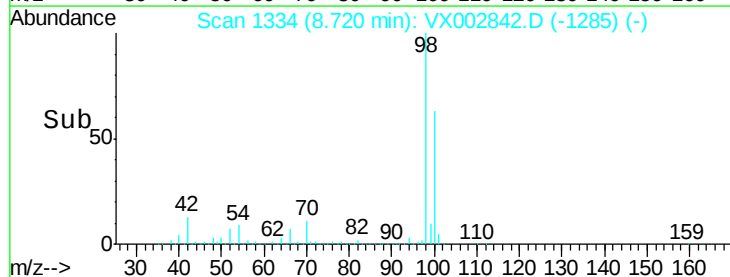
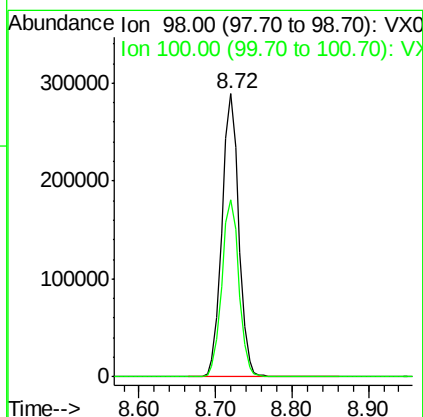
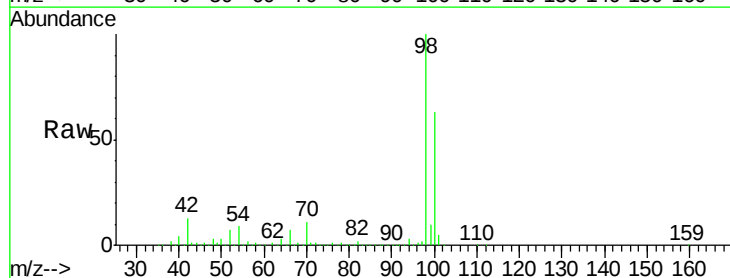
Acq: 22 Jun 2018 20:26

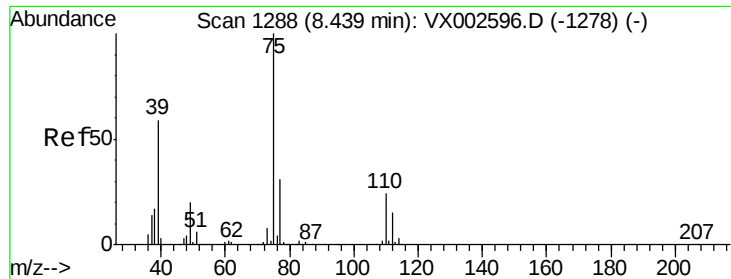
Tgt Ion: 98 Resp: 441301

Ion Ratio Lower Upper

98 100

100 63.6 50.9 76.3

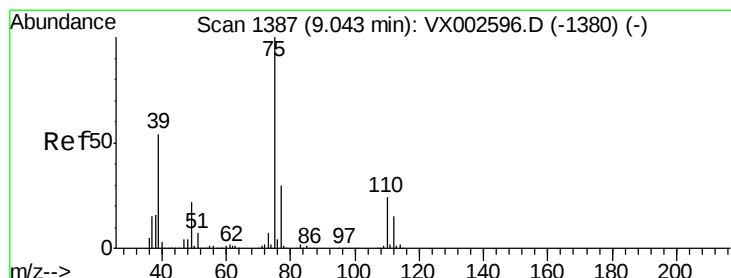
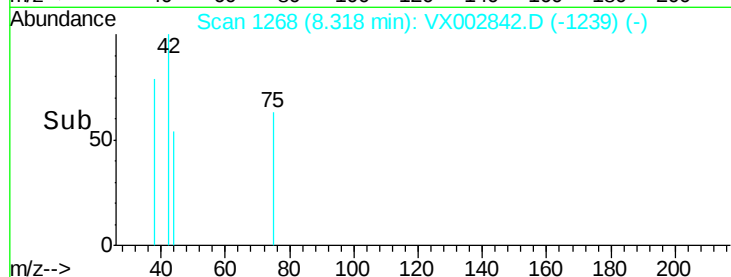
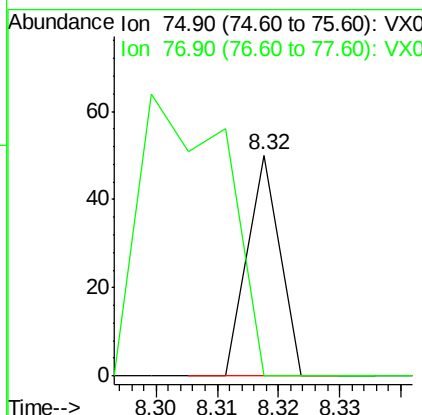
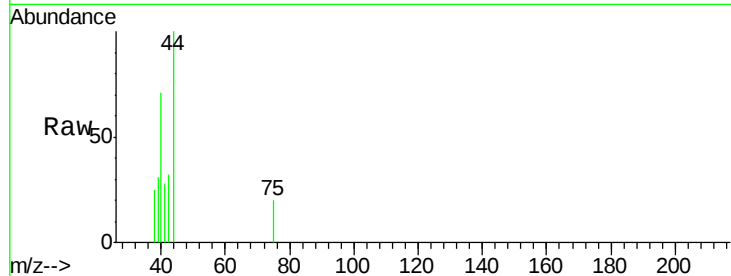




#53
t-1,3-Dichloropropene
Concen: 2.40 ug/l
RT: 8.32 min Scan# 1268
Delta R.T. -0.12 min
Lab File: VX002842.D
Acq: 22 Jun 2018 20:26

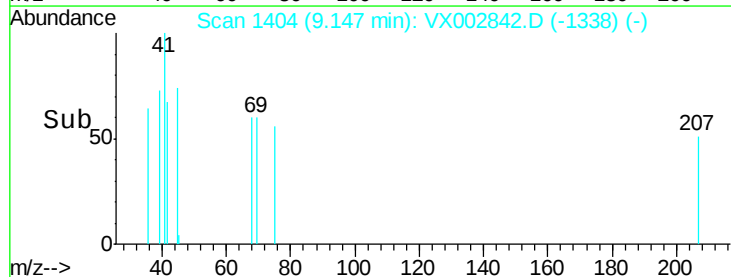
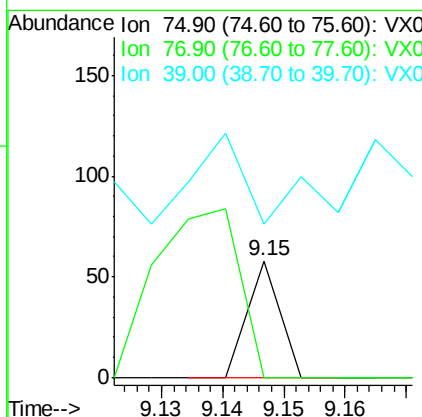
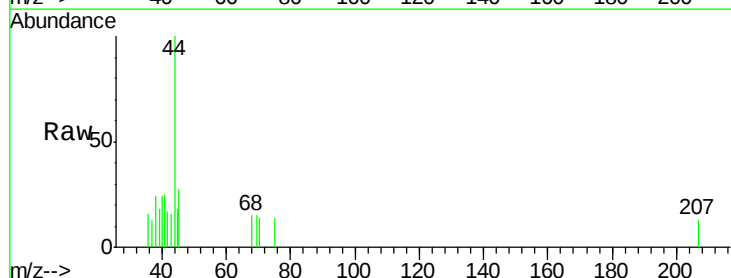
Instrument :
MSVOA_X
ClientSampled :

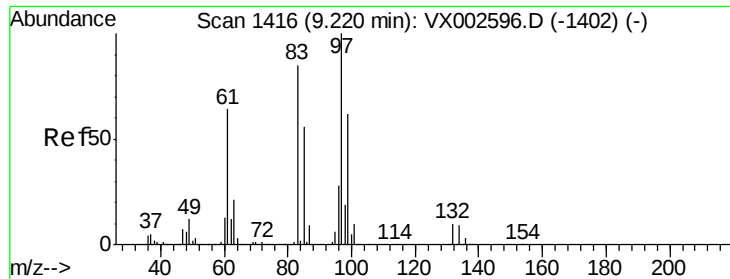
Tot Ion: 75 Resp: 18
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.2#



#54
cis-1,3-Dichloropropene
Concen: 3.22 ug/l
RT: 9.15 min Scan# 1404
Delta R.T. 0.10 min
Lab File: VX002842.D
Acq: 22 Jun 2018 20:26

Tgt Ion: 75 Resp: 21
Ion Ratio Lower Upper
75 100
77 0.0 24.8 37.2#
39 0.0 42.4 63.6#





#55

1,1,2-Trichloroethane

Concen: 1.85 ug/l

RT: 9.34 min Scan# 1435

Delta R.T. 0.12 min

Lab File: VX002842.D

Acq: 22 Jun 2018 20:26

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 97 Resp: 4741

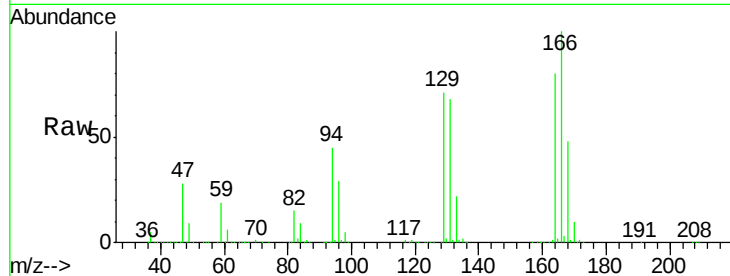
Ion Ratio Lower Upper

97 100

83 227.4 70.2 105.2#

85 34.0 44.9 67.3#

99 13.4 49.8 74.8#

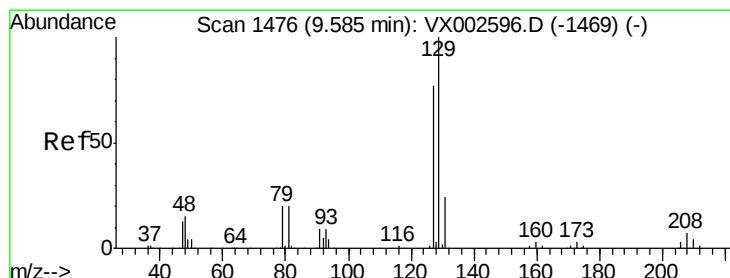
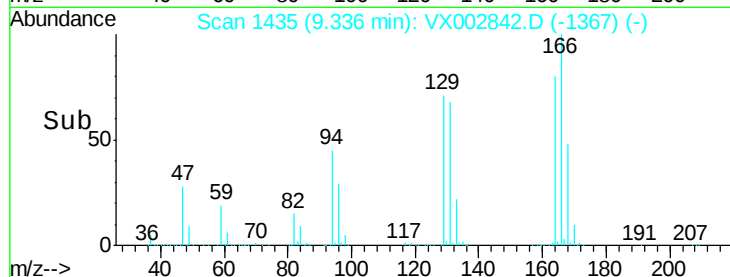
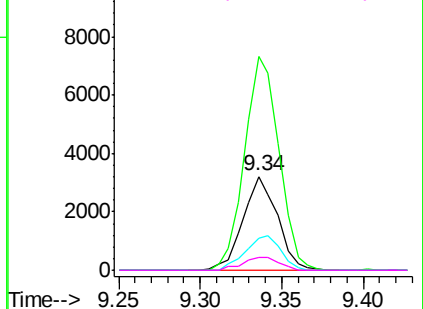


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#60

Dibromochloromethane

Concen: 163.78 ug/l

RT: 9.34 min Scan# 1436

Delta R.T. -0.24 min

Lab File: VX002842.D

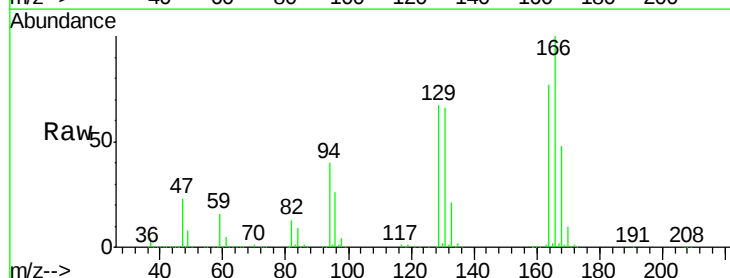
Acq: 22 Jun 2018 20:26

Tgt Ion:129 Resp: 499830

Ion Ratio Lower Upper

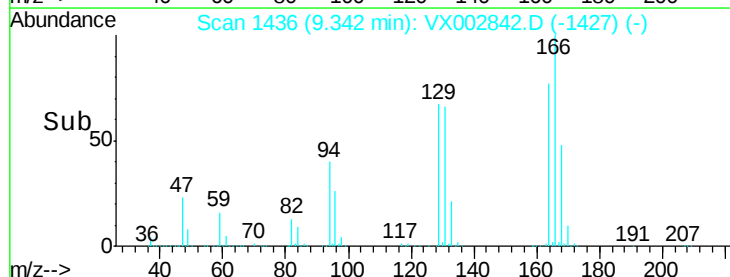
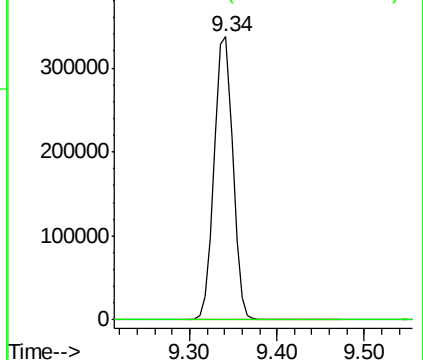
129 100

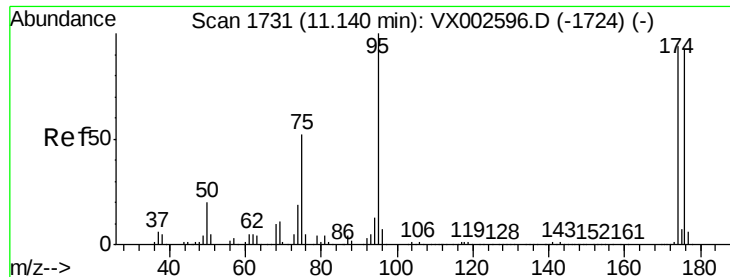
127 0.0 38.5 115.3#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V





#62

4-Bromofluorobenzene

Concen: 42.89 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX002842.D

Acq: 22 Jun 2018 20:26

Instrument :

MSVOA_X

ClientSampleId :

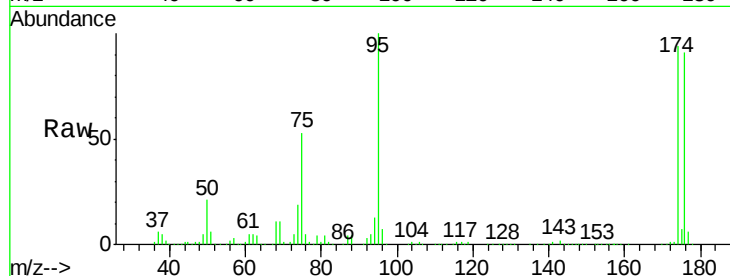
Tot Ion: 95 Resp: 154088

Ion Ratio Lower Upper

95 100

174 97.5 0.0 187.4

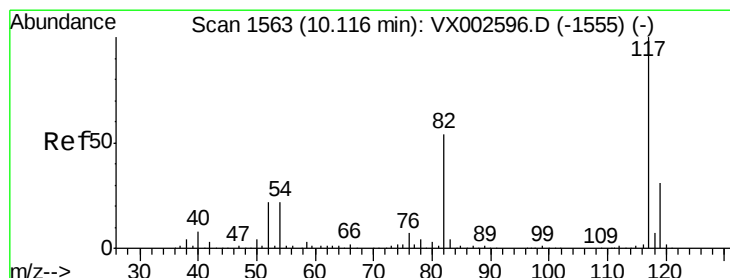
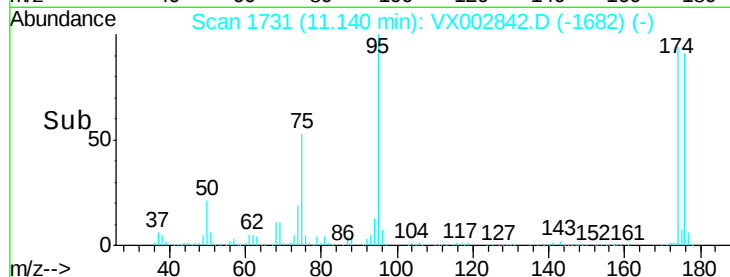
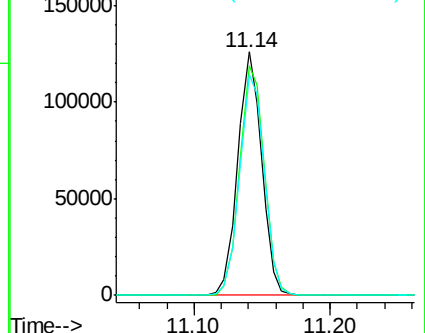
176 94.1 0.0 181.0



Abundance Ion 94.90 (94.60 to 95.60): VX002842.D (-1682) (-)

Ion 173.80 (173.50 to 174.50): VX002842.D (-1682) (-)

Ion 175.80 (175.50 to 176.50): VX002842.D (-1682) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VX002842.D

Acq: 22 Jun 2018 20:26

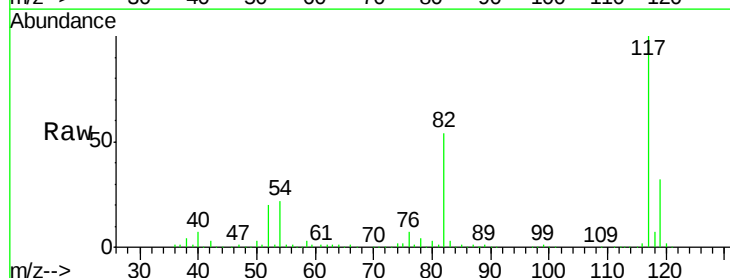
Tgt Ion: 117 Resp: 294659

Ion Ratio Lower Upper

117 100

82 53.6 45.0 67.4

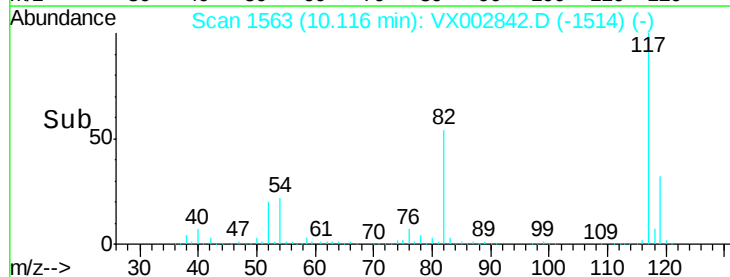
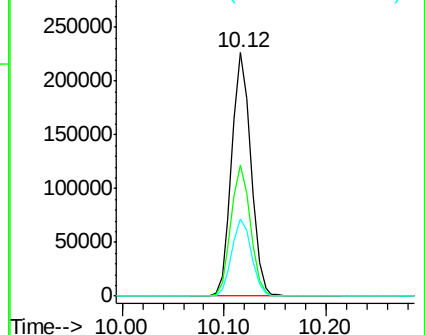
119 31.6 25.8 38.6

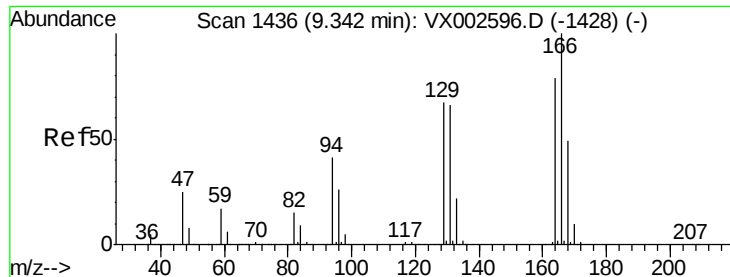


Abundance Ion 116.90 (116.60 to 117.60): VX002842.D (-1514) (-)

Ion 82.00 (81.70 to 82.70): VX002842.D (-1514) (-)

Ion 118.90 (118.60 to 119.60): VX002842.D (-1514) (-)





#64

Tetrachloroethene

Concen: 174.62 ug/l

RT: 9.34 min Scan# 1436

Delta R.T. 0.00 min

Lab File: VX002842.D

Acq: 22 Jun 2018 20:26

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:164 Resp: 571157

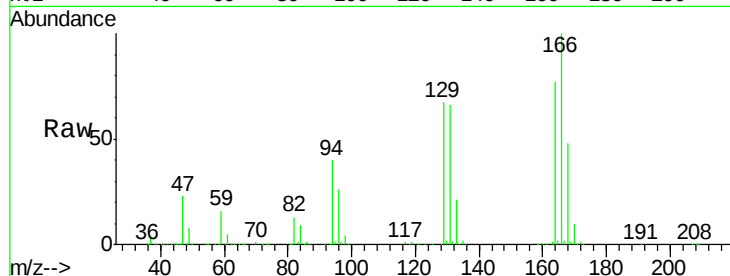
Ion Ratio Lower Upper

164 100

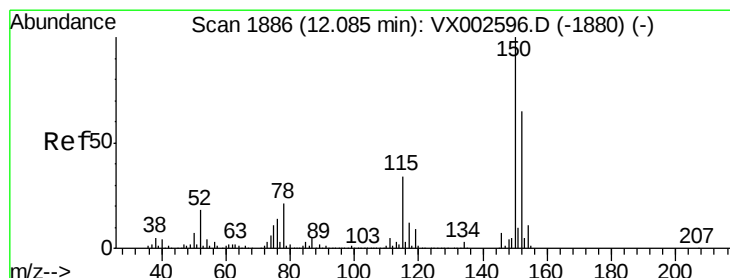
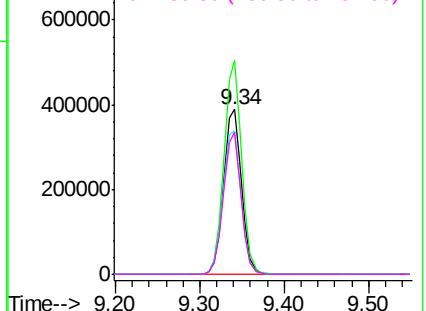
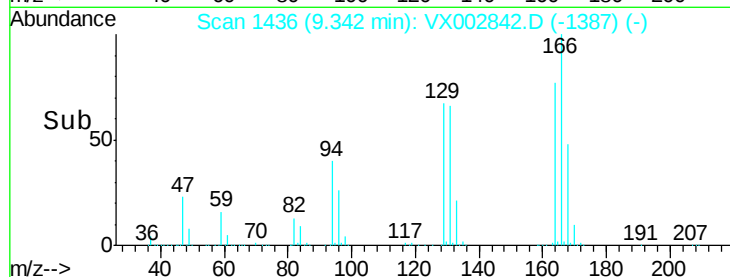
166 129.4 102.9 154.3

129 86.5 68.6 102.8

131 85.9 66.8 100.2



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX002842.D

Acq: 22 Jun 2018 20:26

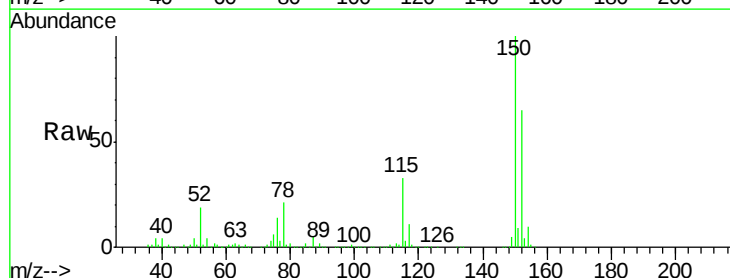
Tgt Ion:152 Resp: 163120

Ion Ratio Lower Upper

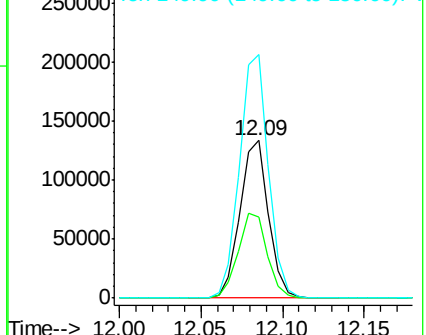
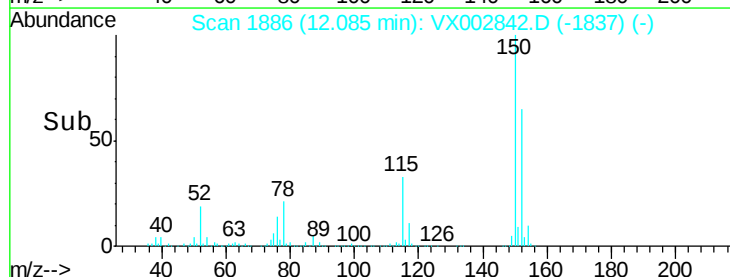
152 100

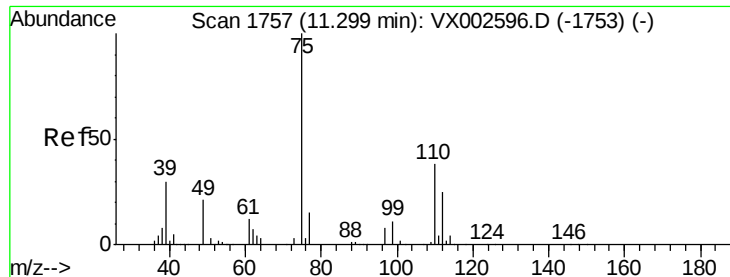
115 54.5 40.1 120.2

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

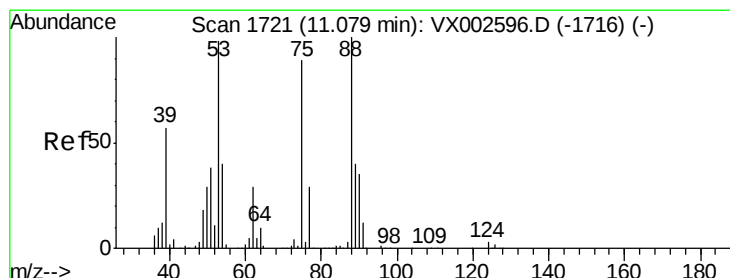
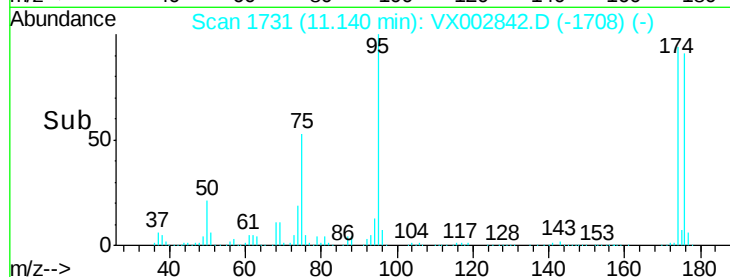
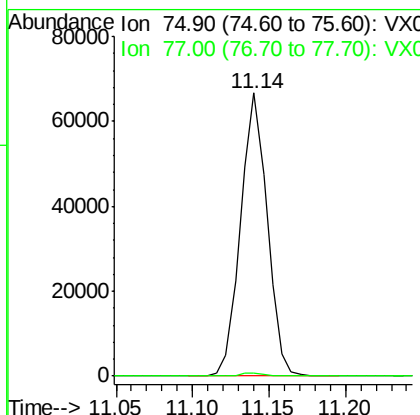
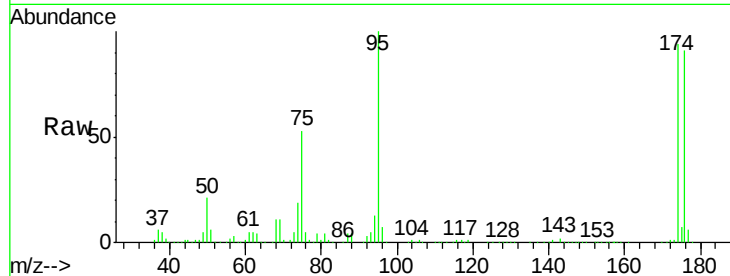




#76
 1,2,3-Trichloropropane
 Concen: 26.20 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.16 min
 Lab File: VX002842.D
 Acq: 22 Jun 2018 20:26

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 75 Resp: 80652
 Ion Ratio Lower Upper
 75 100
 77 1.1 22.8 68.3#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 81.01 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX002842.D
 Acq: 22 Jun 2018 20:26

Tgt Ion: 75 Resp: 80652
 Ion Ratio Lower Upper
 75 100
 53 0.2 86.8 130.2#
 89 0.0 38.2 57.2#

