

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061918\
 Data File : VX002718.D
 Acq On : 19 Jun 2018 17:38
 Operator : JC/MD
 Sample : J3479-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 20 01:03:30 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	204170	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	287058	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	269808	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	152210	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	154279	49.73	ug/l	0.00
Spiked Amount			Recovery	=	99.46%	
35) Dibromofluoromethane	5.51	113	119482	52.15	ug/l	0.00
Spiked Amount			Recovery	=	104.30%	
50) Toluene-d8	8.72	98	457485	52.59	ug/l	0.00
Spiked Amount			Recovery	=	105.18%	
62) 4-Bromofluorobenzene	11.14	95	158703	48.15	ug/l	0.00
Spiked Amount			Recovery	=	96.30%	

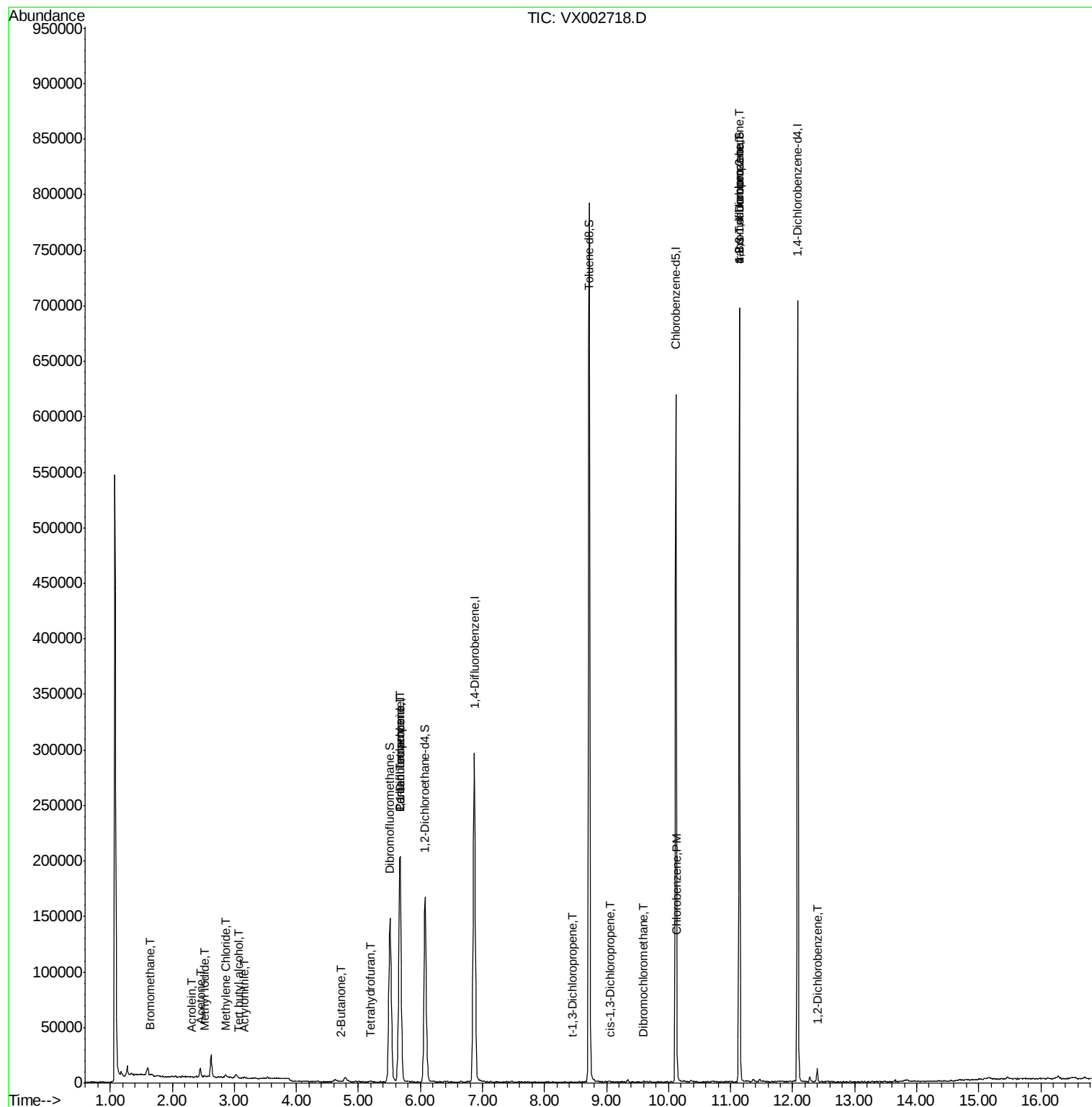
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	1383	0.86	ug/l	85
10) Methyl Iodide	2.52	142	1825	5.68	ug/l	96
11) Tert butyl alcohol	3.08	59	384	0.60	ug/l #	73
13) Acrolein	2.30	56	266	7.72	ug/l #	78
15) Acrylonitrile	3.15	53	514	0.37	ug/l #	86
16) Acetone	2.45	43	8773	6.41	ug/l	98
20) Methylene Chloride	2.85	84	1102	0.39	ug/l #	81
25) 2-Butanone	4.72	43	390	0.22	ug/l #	52
29) Tetrahydrofuran	5.19	42	729	0.62	ug/l #	83
36) 1,1-Dichloropropene	5.67	75	14264	4.68	ug/l #	51
38) Carbon Tetrachloride	5.67	117	18749	6.18	ug/l #	15
53) t-1,3-Dichloropropene	8.44	75	44	2.40	ug/l #	43
54) cis-1,3-Dichloropropene	9.05	75	67	3.23	ug/l #	61
60) Dibromochloromethane	9.59	129	19	3.77	ug/l #	11
65) Chlorobenzene	10.14	112	1387	0.21	ug/l #	85
76) 1,2,3-Trichloropropane	11.14	75	83807	29.18	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.14	75	83807	89.74	ug/l #	6
91) 1,2-Dichlorobenzene	12.40	146	3264	0.62	ug/l	96

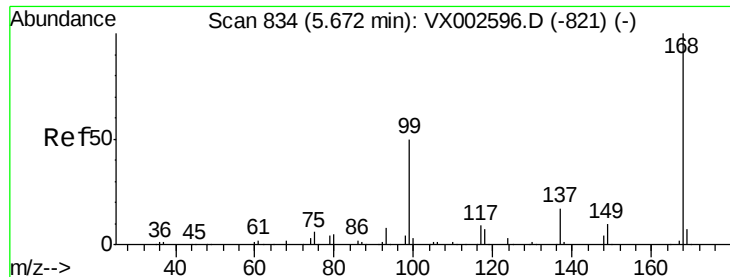
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X061518W.M
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: VX002718.D

Acq: 19 Jun 2018 17:38

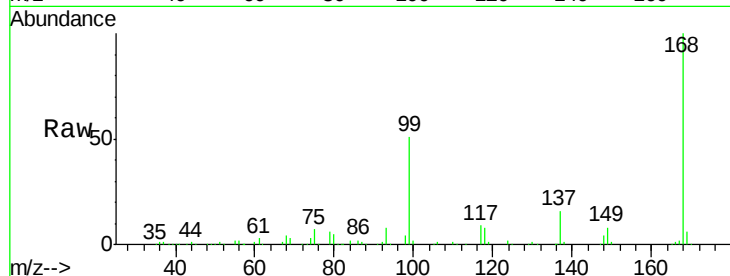
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 204170

Ion Ratio Lower Upper

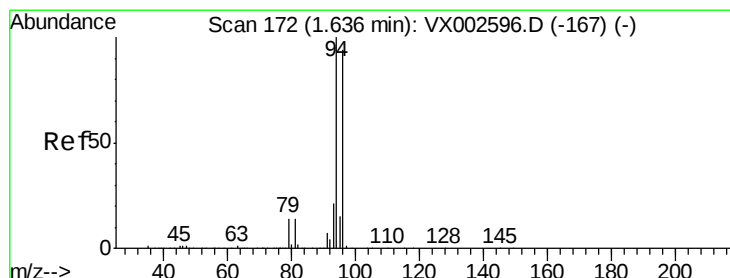
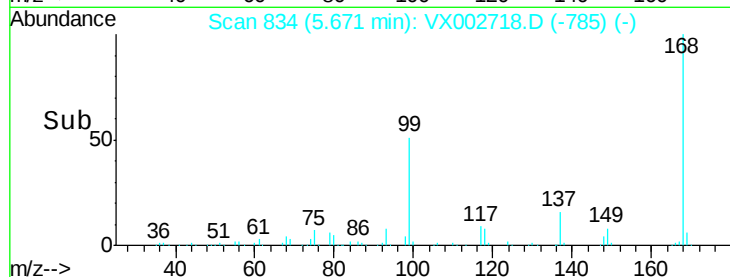
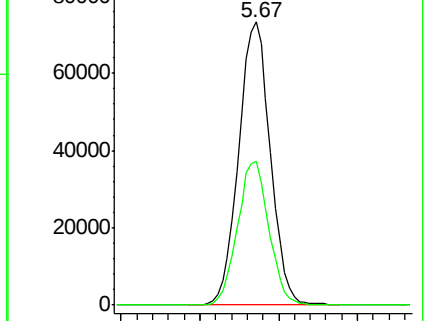
168 100

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: 0.86 ug/l

RT: 1.65 min Scan# 174

Delta R.T. 0.01 min

Lab File: VX002718.D

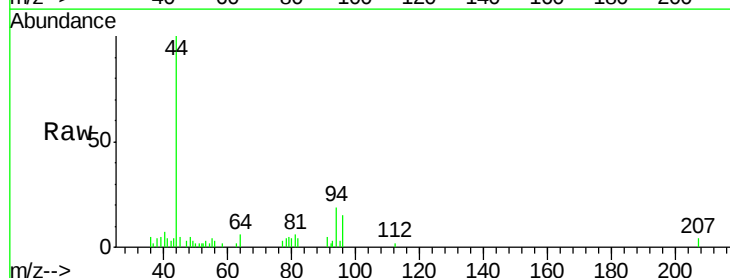
Acq: 19 Jun 2018 17:38

Tgt Ion: 94 Resp: 1383

Ion Ratio Lower Upper

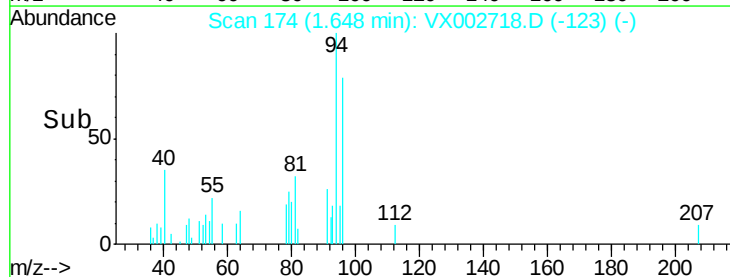
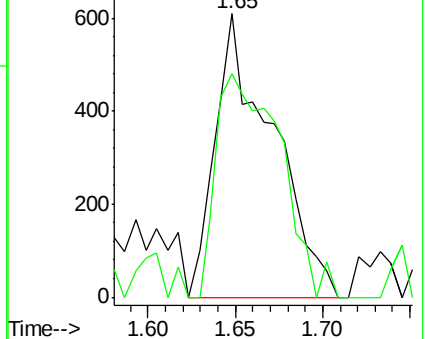
94 100

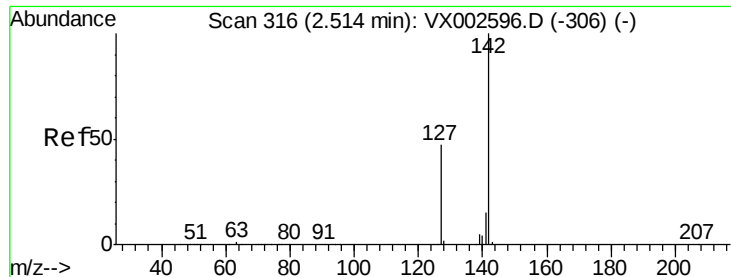
96 79.0 74.9 112.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

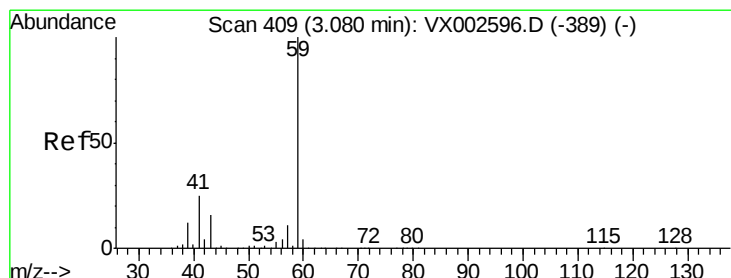
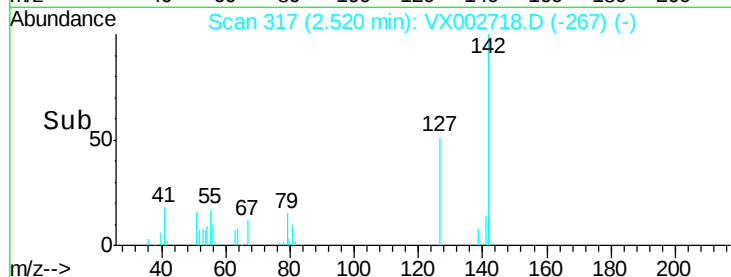
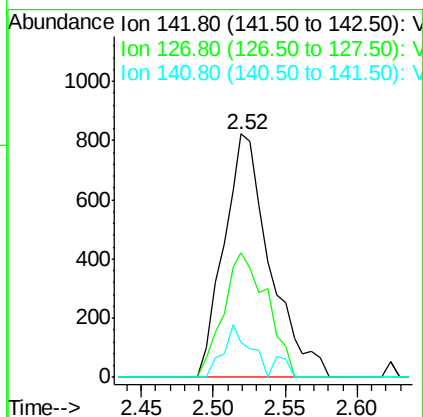
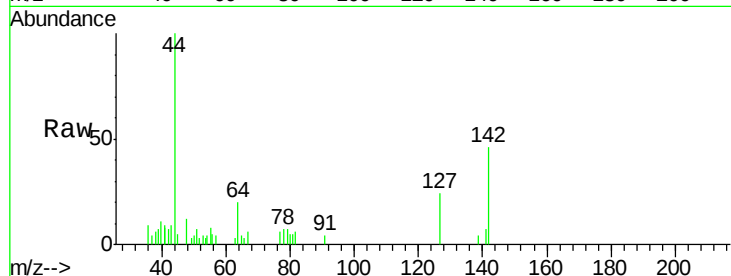




#10
Methyl Iodide
Concen: 5.68 ug/l
RT: 2.52 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX002718.D
Acq: 19 Jun 2018 17:38

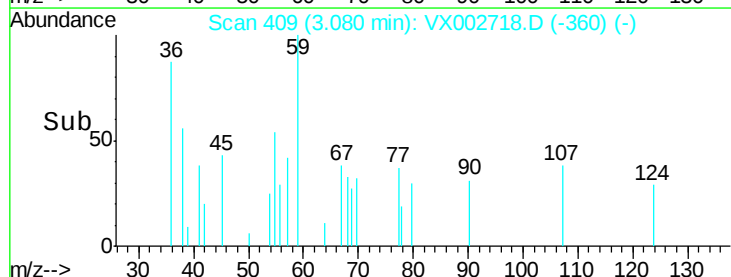
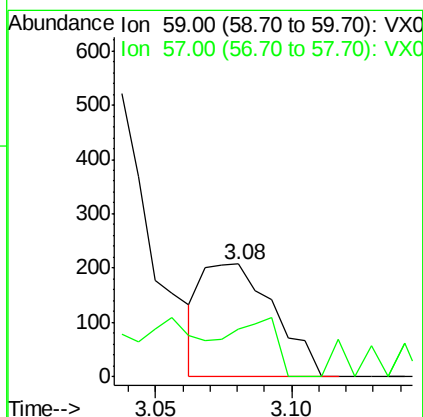
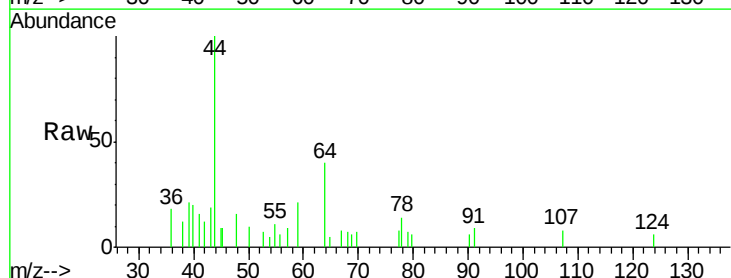
Instrument :
MSVOA_X
ClientSampled :

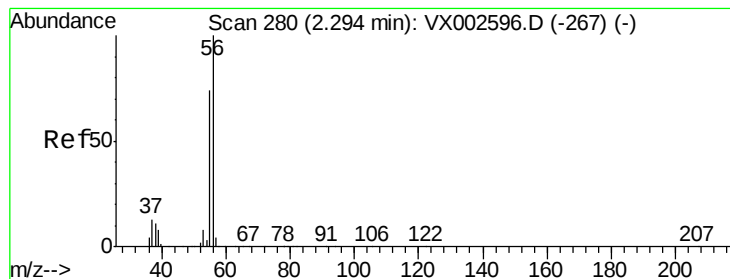
Tot Ion:142 Resp: 1825
Ion Ratio Lower Upper
142 100
127 48.4 36.6 55.0
141 12.5 11.3 16.9



#11
Tert butyl alcohol
Concen: 0.60 ug/l
RT: 3.08 min Scan# 409
Delta R.T. -0.00 min
Lab File: VX002718.D
Acq: 19 Jun 2018 17:38

Tgt Ion: 59 Resp: 384
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#





#13

Acrolein

Concen: 7.72 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.01 min

Lab File: VX002718.D

Acq: 19 Jun 2018 17:38

Instrument :

MSVOA_X

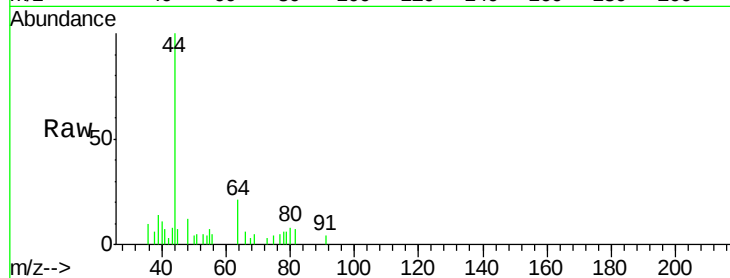
ClientSampled :

Tot Ion: 56 Resp: 266

Ion Ratio Lower Upper

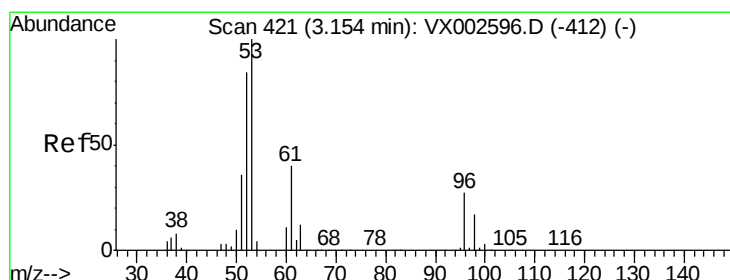
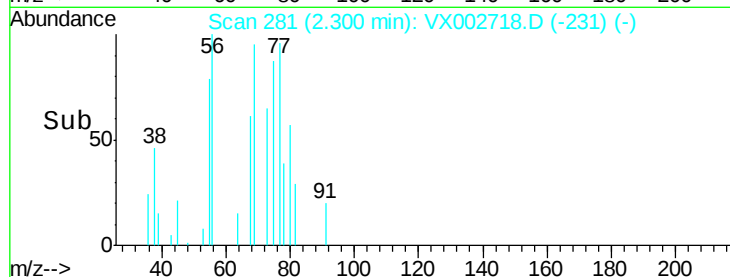
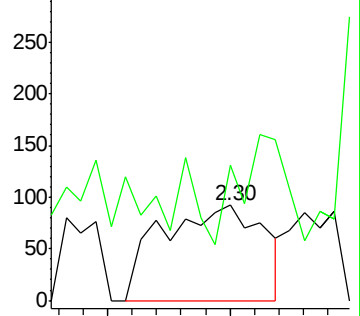
56 100

55 52.6 57.0 85.4#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#15

Acrylonitrile

Concen: 0.37 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.00 min

Lab File: VX002718.D

Acq: 19 Jun 2018 17:38

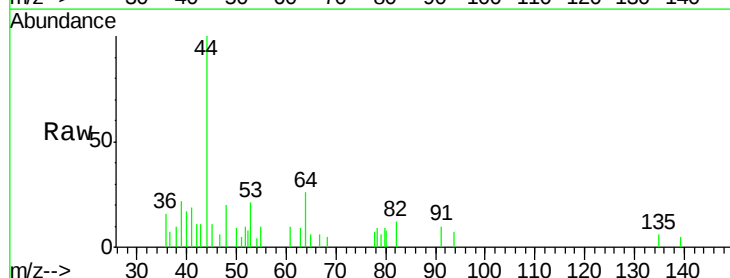
Tgt Ion: 53 Resp: 514

Ion Ratio Lower Upper

53 100

52 92.0 66.7 100.1

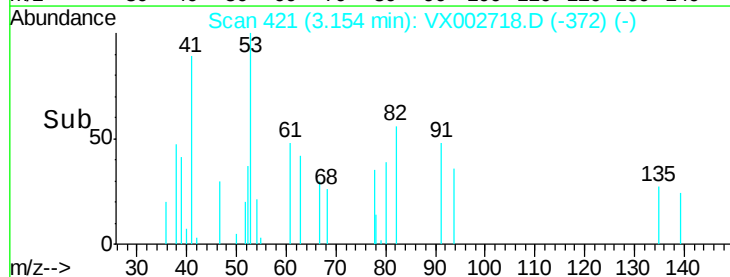
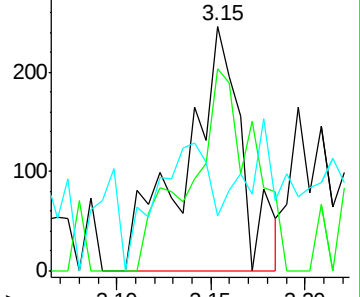
51 51.2 29.9 44.9#

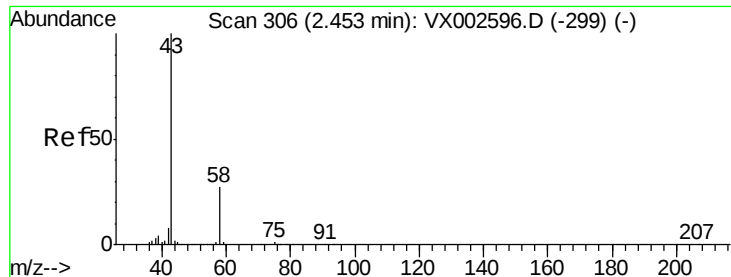


Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0





#16

Acetone

Concen: 6.41 ug/l

RT: 2.45 min Scan# 306

Delta R.T. -0.00 min

Lab File: VX002718.D

Acq: 19 Jun 2018 17:38

Instrument :

MSVOA_X

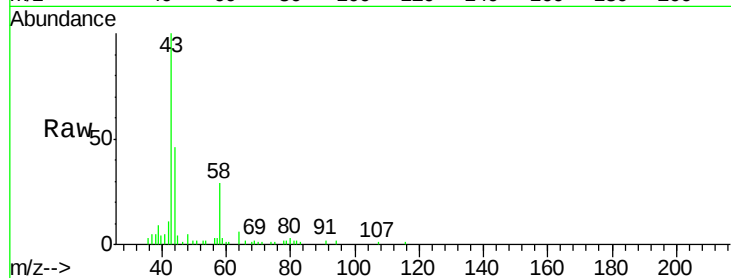
ClientSampled :

Tot Ion: 43 Resp: 8773

Ion Ratio Lower Upper

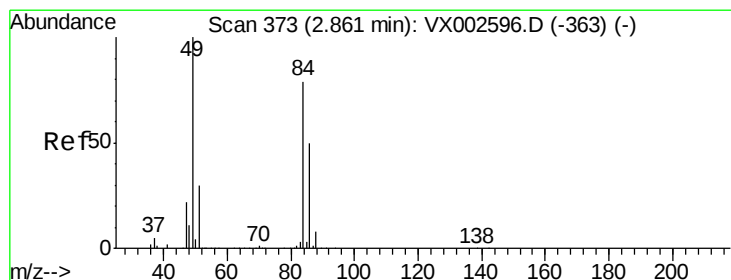
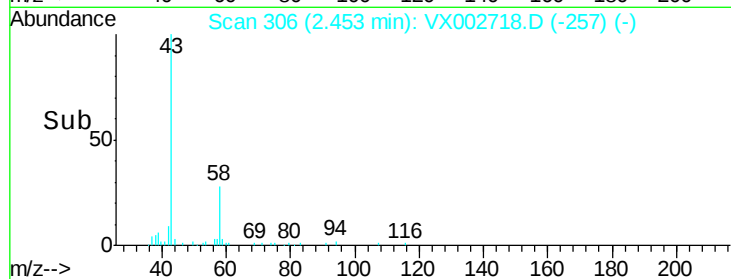
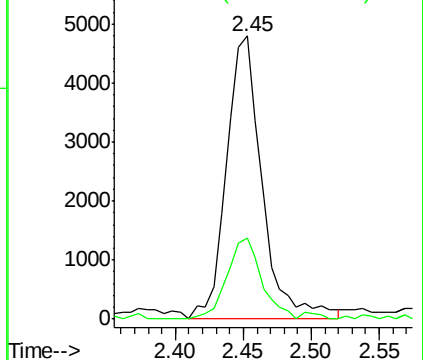
43 100

58 28.7 22.1 33.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#20

Methylene Chloride

Concen: 0.39 ug/l

RT: 2.85 min Scan# 372

Delta R.T. -0.01 min

Lab File: VX002718.D

Acq: 19 Jun 2018 17:38

Tgt Ion: 84 Resp: 1102

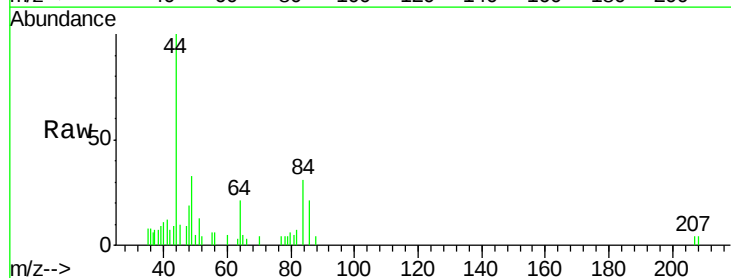
Ion Ratio Lower Upper

84 100

49 105.7 107.8 161.6#

51 24.8 32.8 49.2#

86 68.6 52.5 78.7

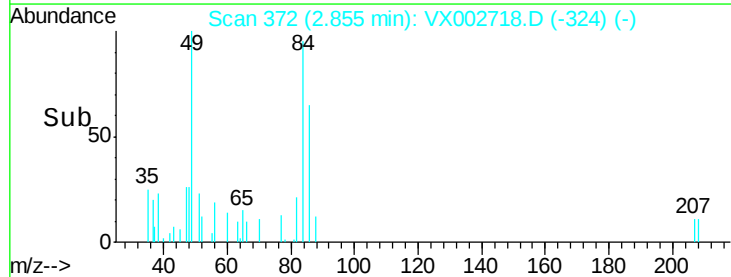
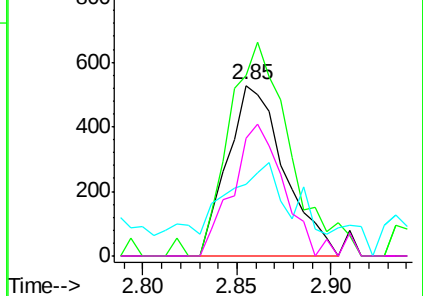


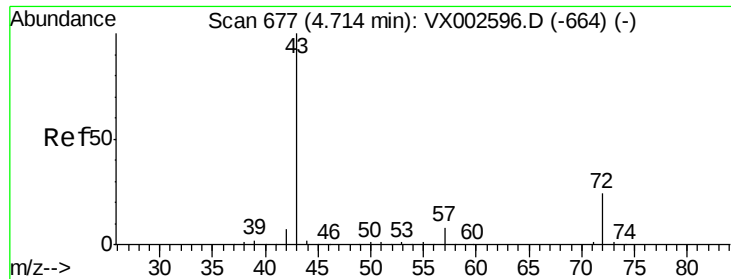
Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0





#25

2-Butanone

Concen: 0.22 ug/l

RT: 4.72 min Scan# 678

Delta R.T. 0.01 min

Lab File: VX002718.D

Acq: 19 Jun 2018 17:38

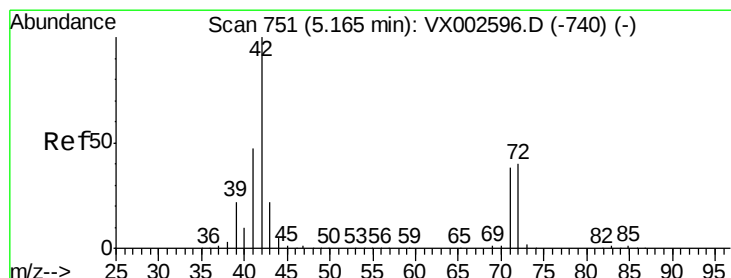
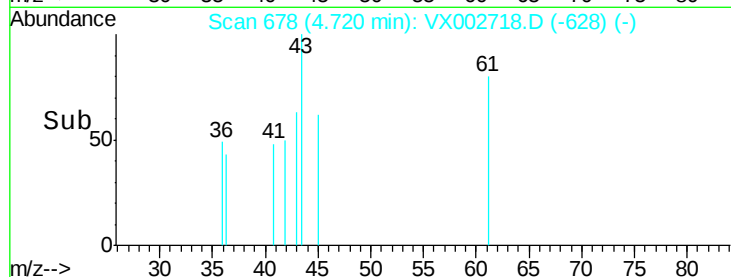
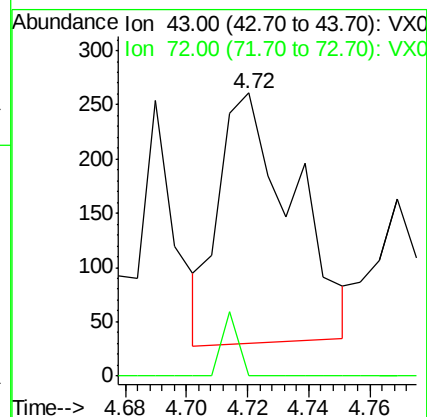
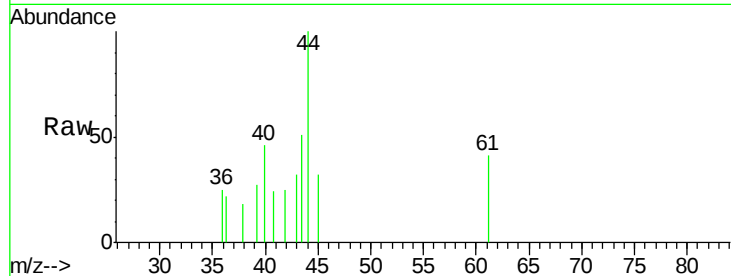
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 43 Resp: 390

Ion Ratio Lower Upper

43 100

72 0.0 18.5 27.7#



#29

Tetrahydrofuran

Concen: 0.62 ug/l

RT: 5.19 min Scan# 755

Delta R.T. 0.02 min

Lab File: VX002718.D

Acq: 19 Jun 2018 17:38

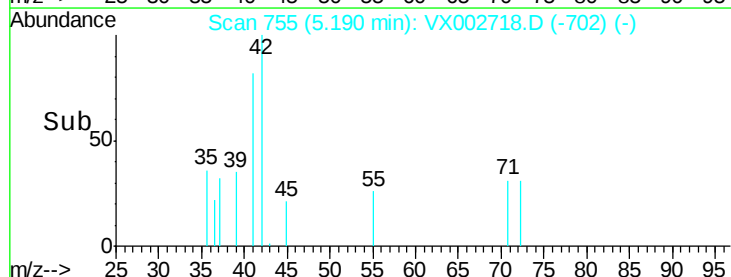
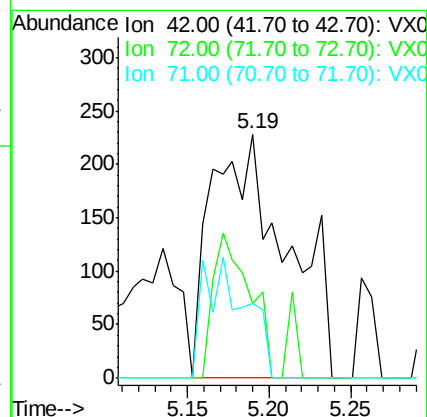
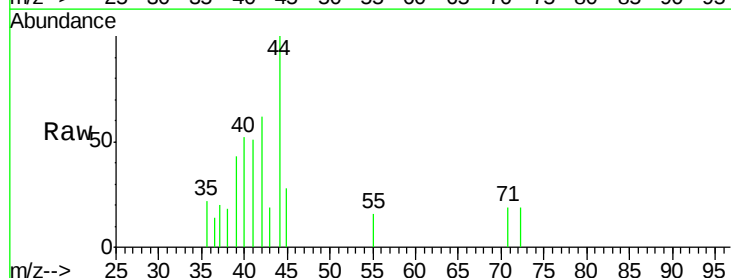
Tgt Ion: 42 Resp: 729

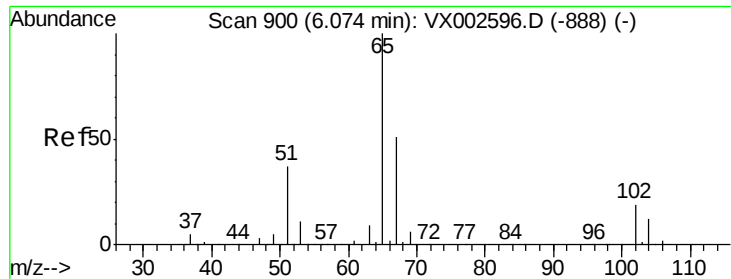
Ion Ratio Lower Upper

42 100

72 29.5 32.0 48.0#

71 27.6 30.1 45.1#

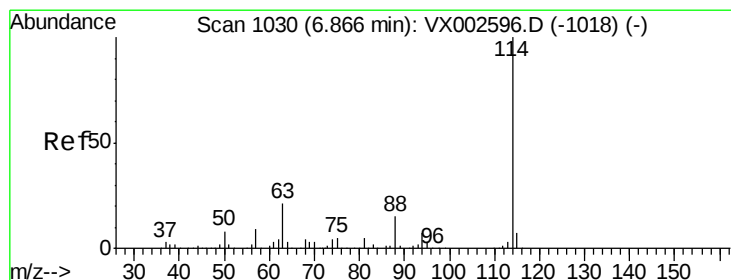
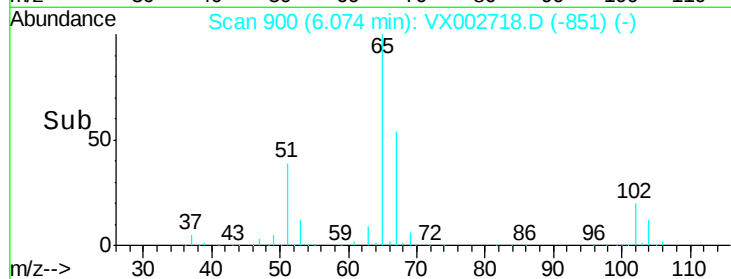
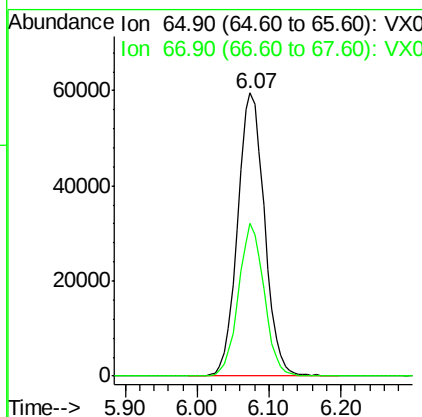
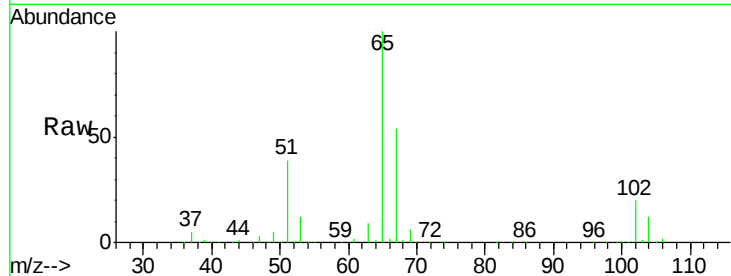




#33
 1,2-Dichloroethane-d4
 Concen: 49.73 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX002718.D
 Acq: 19 Jun 2018 17:38

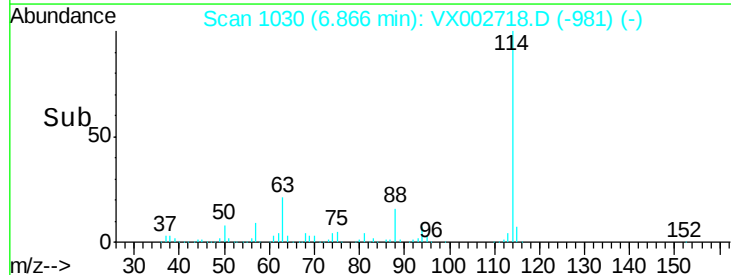
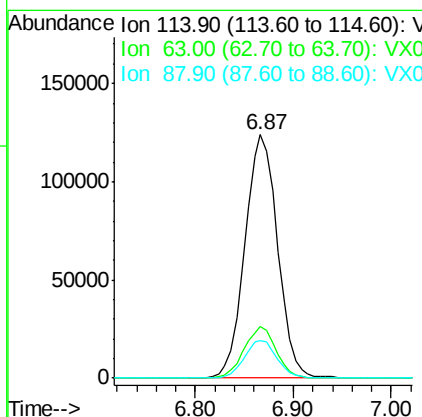
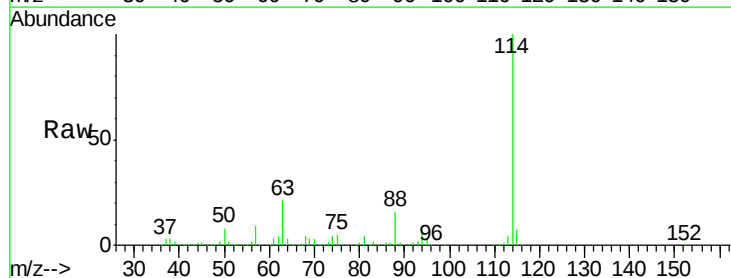
Instrument :
 MSVOA_X
 ClientSampled :

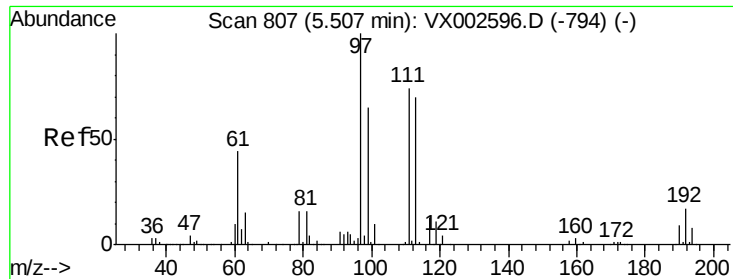
Tot Ion: 65 Resp: 154279
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX002718.D
 Acq: 19 Jun 2018 17:38

Tgt Ion: 114 Resp: 287058
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 41.4
 88 15.6 0.0 30.0

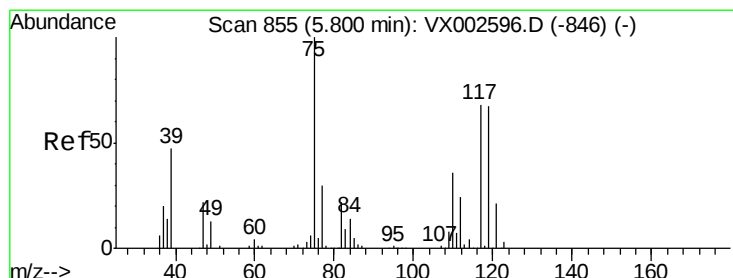
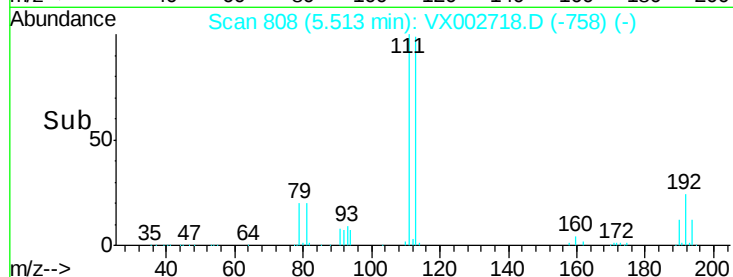
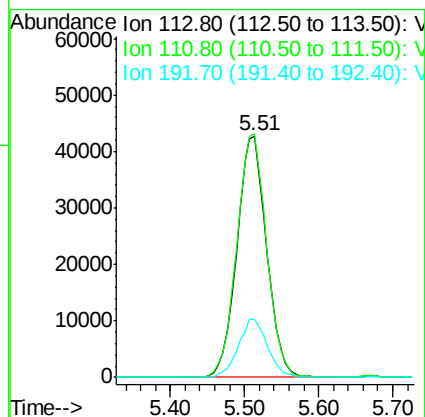
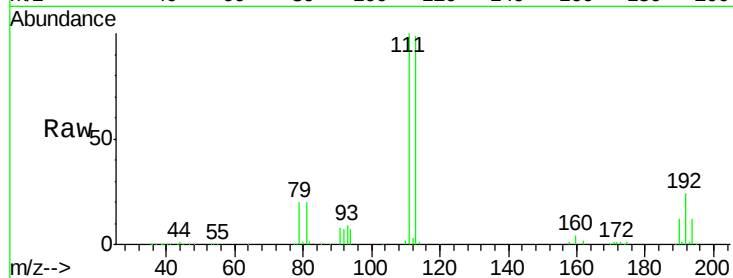




#35
Dibromofluoromethane
Concen: 52.15 ug/l
RT: 5.51 min Scan# 808
Delta R.T. 0.01 min
Lab File: VX002718.D
Acq: 19 Jun 2018 17:38

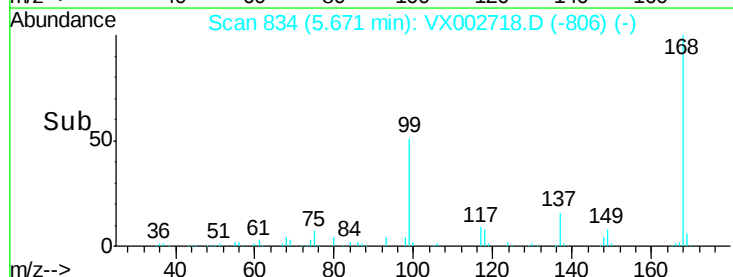
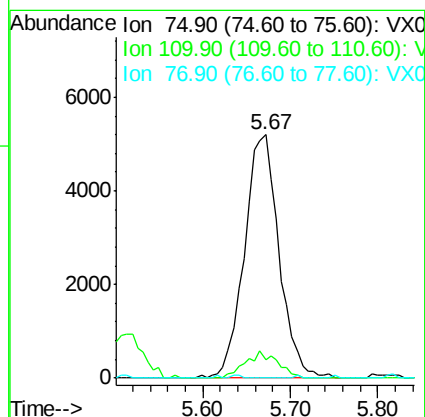
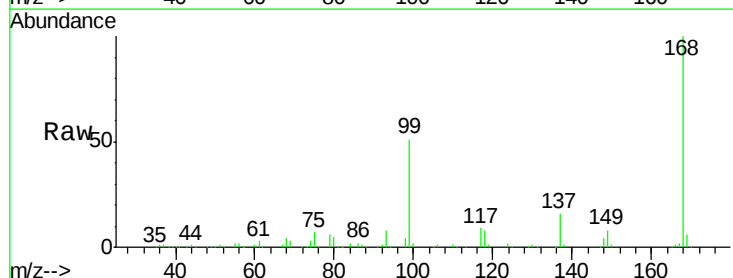
Instrument :
MSVOA_X
ClientSampled :

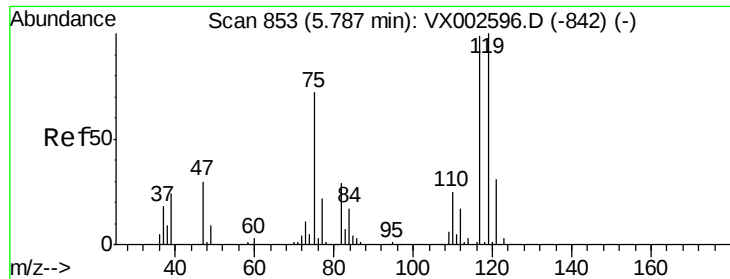
Tot Ion:113 Resp: 119482
Ion Ratio Lower Upper
113 100
111 101.5 81.4 122.0
192 23.8 19.1 28.7



#36
1,1-Dichloropropene
Concen: 4.68 ug/l
RT: 5.67 min Scan# 834
Delta R.T. -0.13 min
Lab File: VX002718.D
Acq: 19 Jun 2018 17:38

Tgt Ion: 75 Resp: 14264
Ion Ratio Lower Upper
75 100
110 10.2 18.1 54.4#
77 0.0 24.3 36.5#





#38

Carbon Tetrachloride

Concen: 6.18 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.12 min

Lab File: VX002718.D

Acq: 19 Jun 2018 17:38

Instrument :

MSVOA_X

ClientSampled :

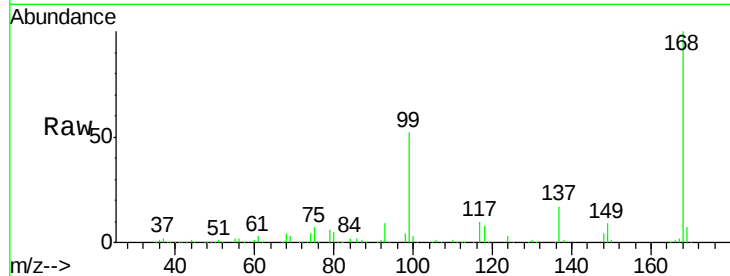
Tot Ion:117 Resp: 18749

Ion Ratio Lower Upper

117 100

119 3.8 77.4 116.0#

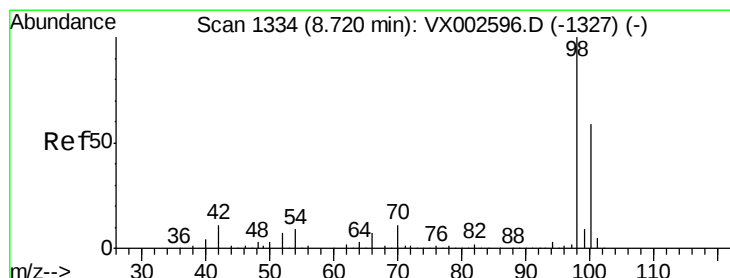
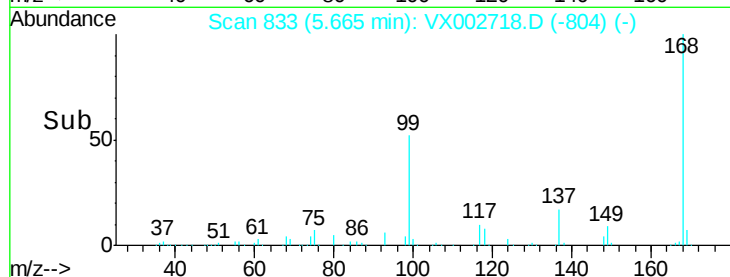
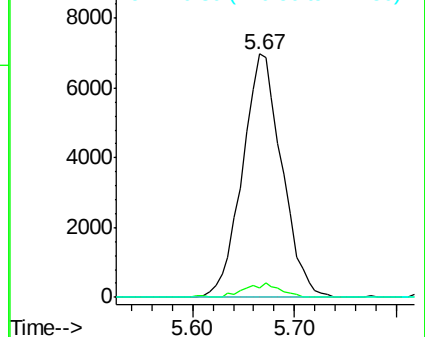
121 0.0 24.4 36.6#



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



#50

Toluene-d8

Concen: 52.59 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX002718.D

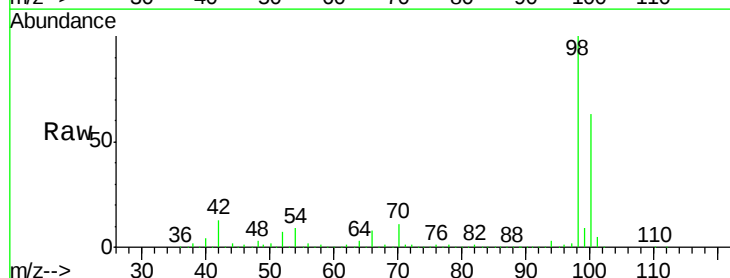
Acq: 19 Jun 2018 17:38

Tgt Ion: 98 Resp: 457485

Ion Ratio Lower Upper

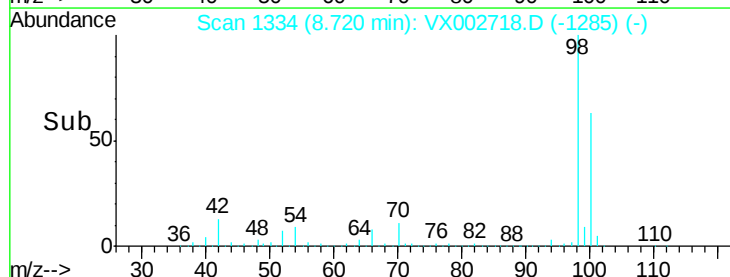
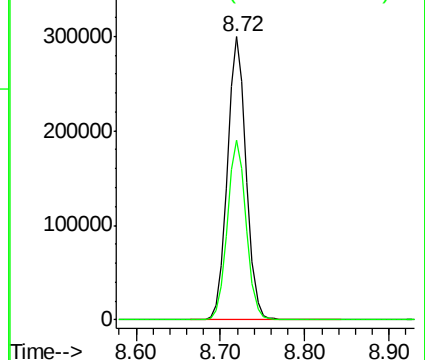
98 100

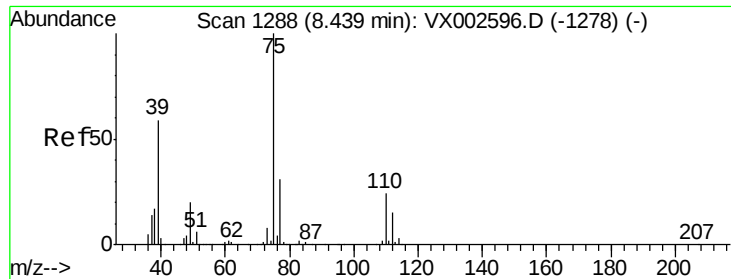
100 63.8 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#53

t-1,3-Dichloropropene

Concen: 2.40 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. 0.00 min

Lab File: VX002718.D

Acq: 19 Jun 2018 17:38

Instrument :

MSVOA_X

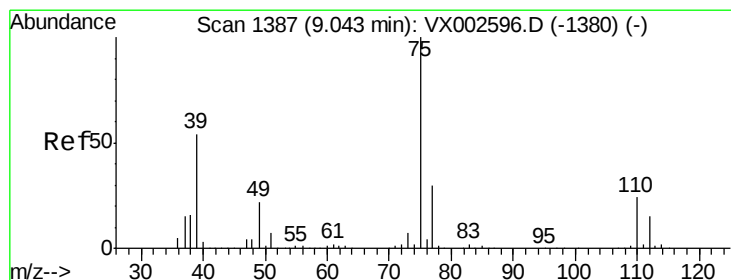
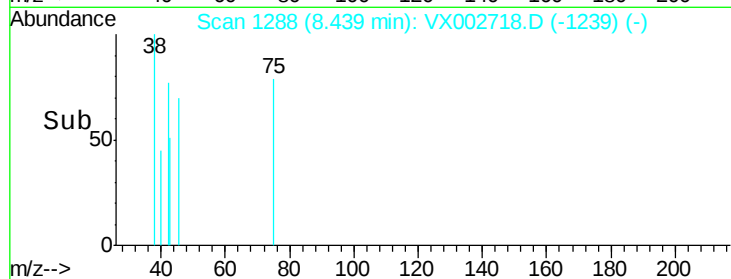
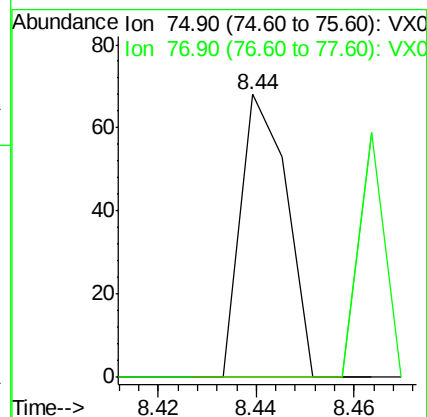
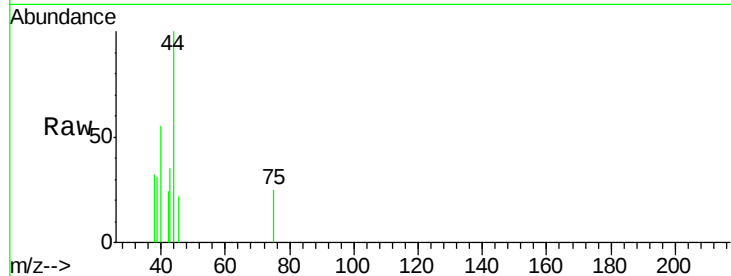
ClientSampleId :

Tot Ion: 75 Resp: 44

Ion Ratio Lower Upper

75 100

77 0.0 25.4 38.2#



#54

cis-1,3-Dichloropropene

Concen: 3.23 ug/l

RT: 9.05 min Scan# 1389

Delta R.T. 0.01 min

Lab File: VX002718.D

Acq: 19 Jun 2018 17:38

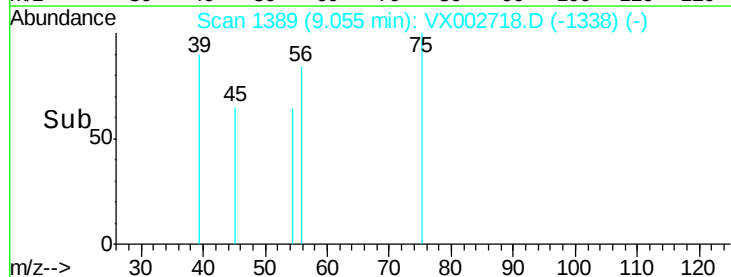
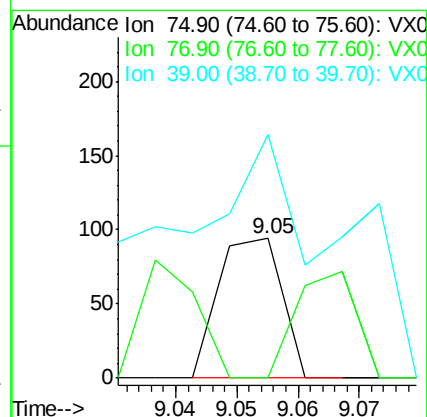
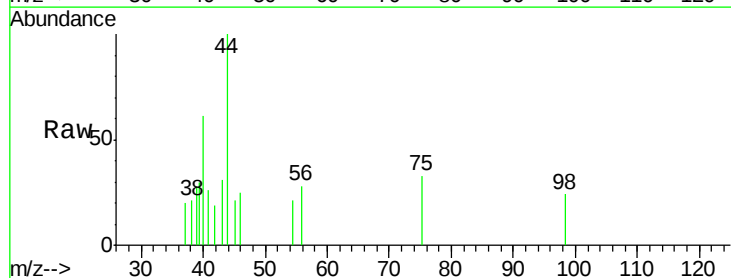
Tgt Ion: 75 Resp: 67

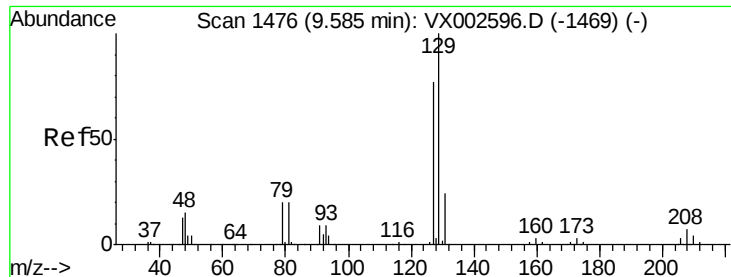
Ion Ratio Lower Upper

75 100

77 0.0 24.8 37.2#

39 73.4 42.4 63.6#





#60

Dibromochloromethane

Concen: 3.77 ug/l

RT: 9.59 min Scan# 1476

Delta R.T. 0.00 min

Lab File: VX002718.D

Acq: 19 Jun 2018 17:38

Instrument :

MSVOA_X

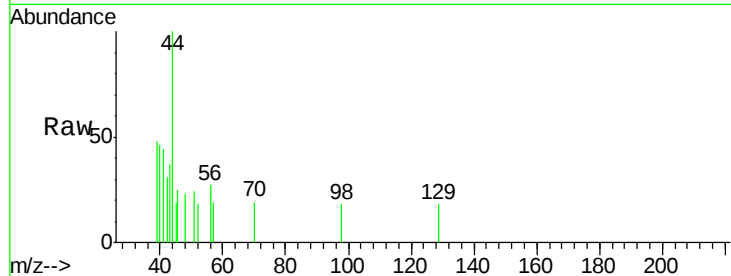
ClientSampleId :

Tot Ion:129 Resp: 19

Ion Ratio Lower Upper

129 100

127 0.0 38.5 115.3#

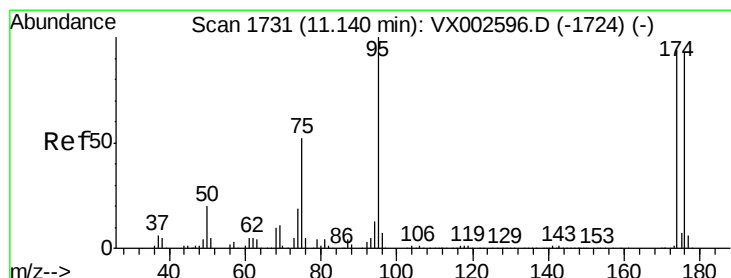
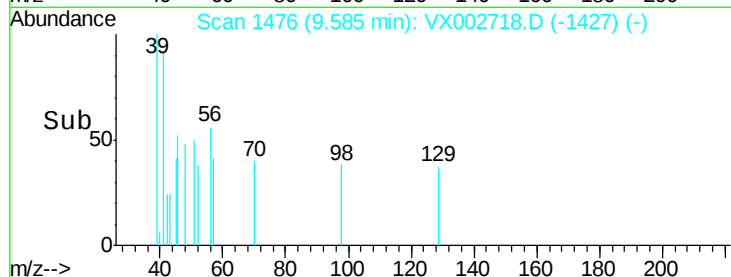


Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

9.59

Time-->



#62

4-Bromofluorobenzene

Concen: 48.15 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX002718.D

Acq: 19 Jun 2018 17:38

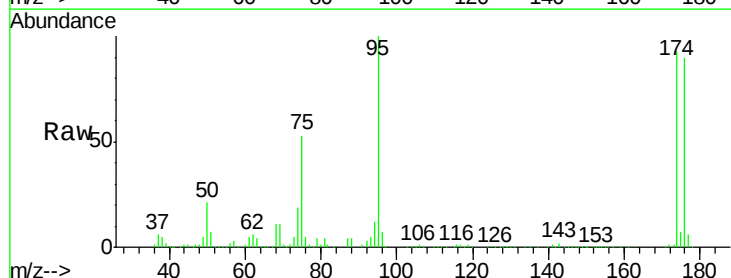
Tgt Ion: 95 Resp: 158703

Ion Ratio Lower Upper

95 100

174 96.7 0.0 187.4

176 94.2 0.0 181.0



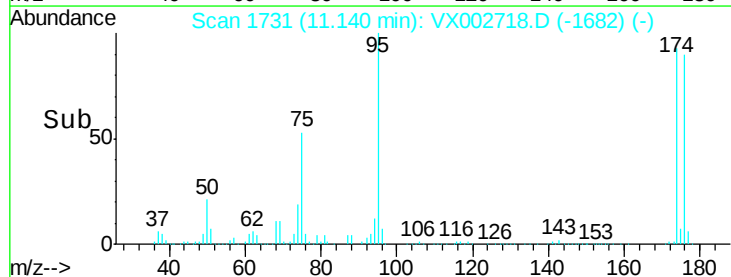
Abundance Ion 94.90 (94.60 to 95.60): VX0

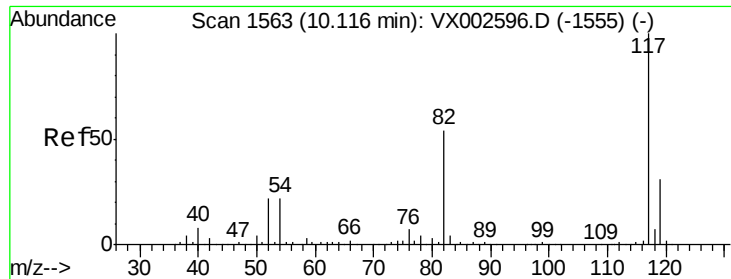
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.14

Time-->

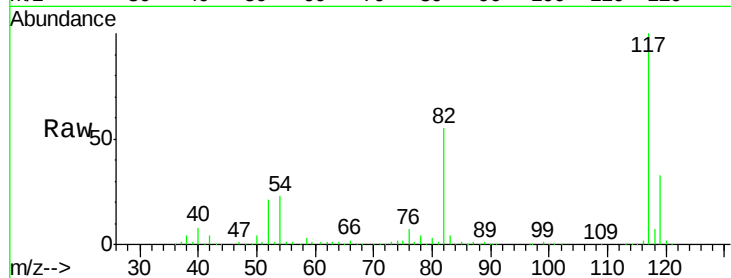




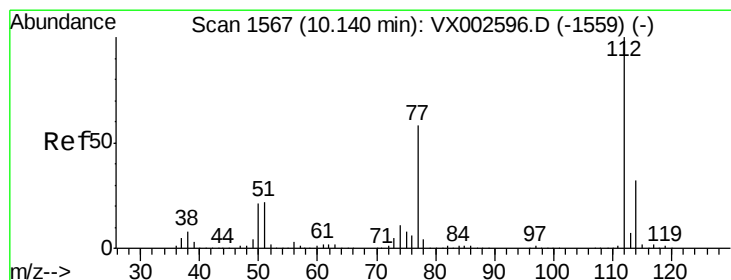
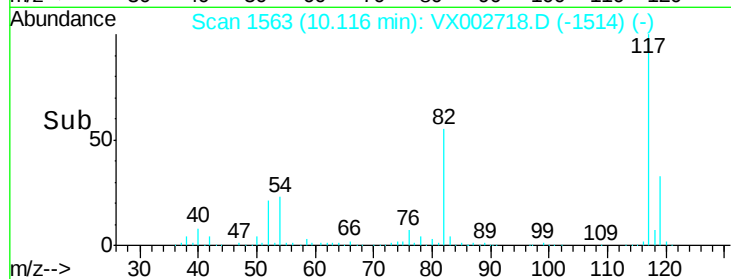
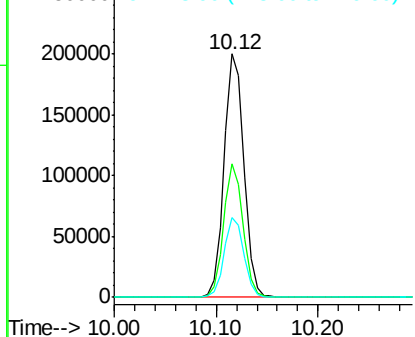
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX002718.D
Acq: 19 Jun 2018 17:38

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 269808
Ion Ratio Lower Upper
117 100
82 54.6 45.0 67.4
119 32.7 25.8 38.6

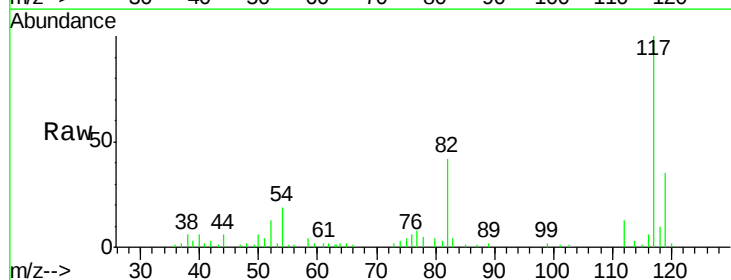


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

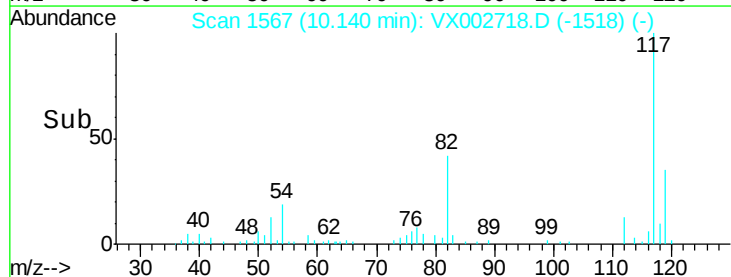
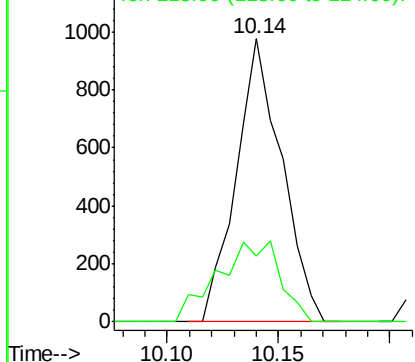


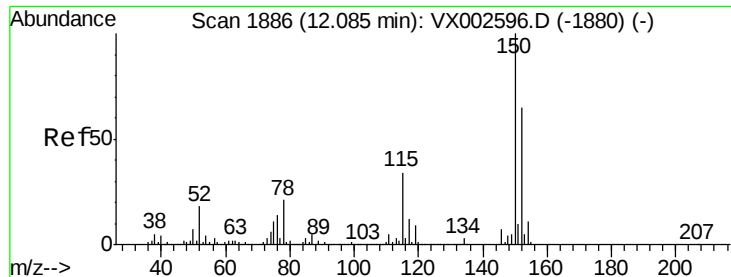
#65
Chlorobenzene
Concen: 0.21 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VX002718.D
Acq: 19 Jun 2018 17:38

Tgt Ion:112 Resp: 1387
Ion Ratio Lower Upper
112 100
114 23.4 25.3 37.9#



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): 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: VX002718.D

Acq: 19 Jun 2018 17:38

Instrument :

MSVOA_X

ClientSampled :

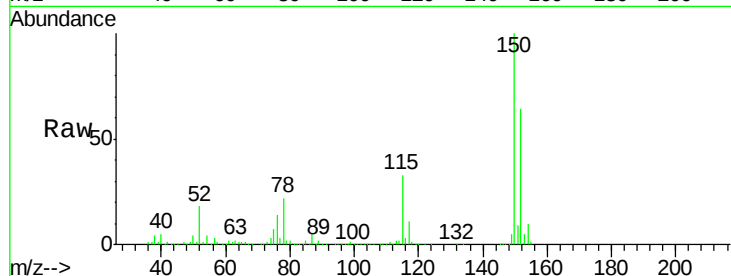
Tot Ion:152 Resp: 152210

Ion Ratio Lower Upper

152 100

115 53.8 40.1 120.2

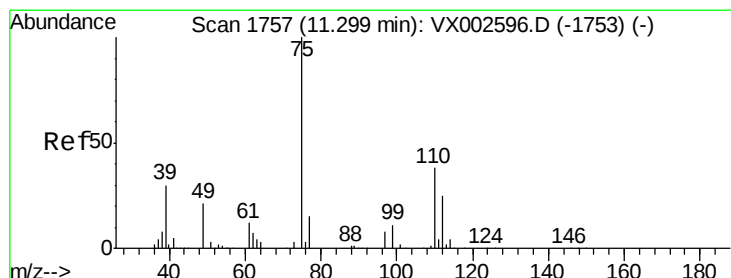
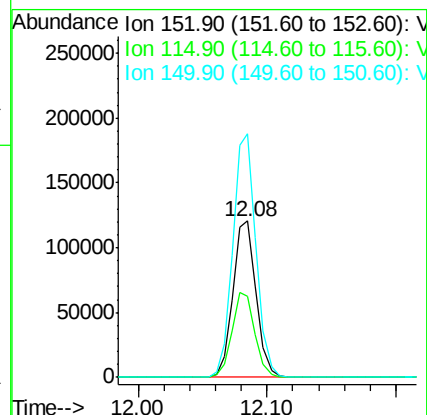
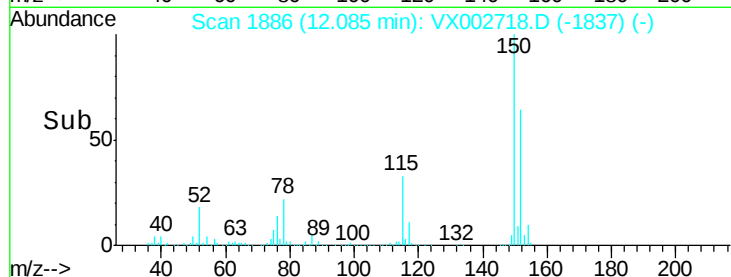
150 155.2 0.0 347.2



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: 29.18 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX002718.D

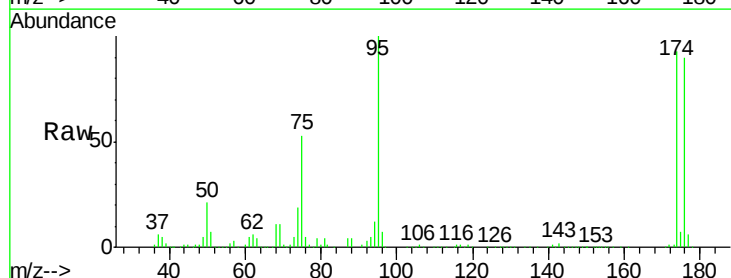
Acq: 19 Jun 2018 17:38

Tgt Ion: 75 Resp: 83807

Ion Ratio Lower Upper

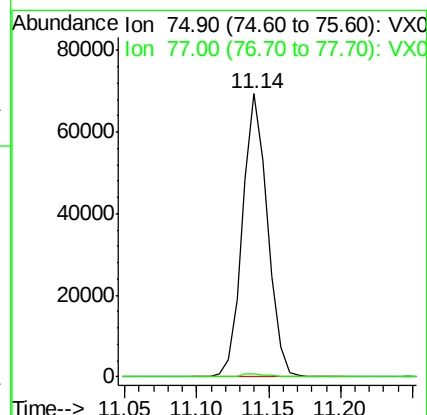
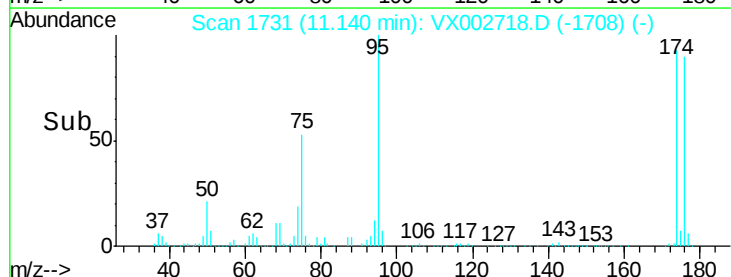
75 100

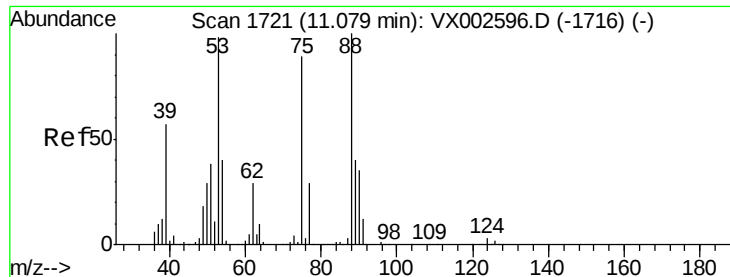
77 1.1 22.8 68.3#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

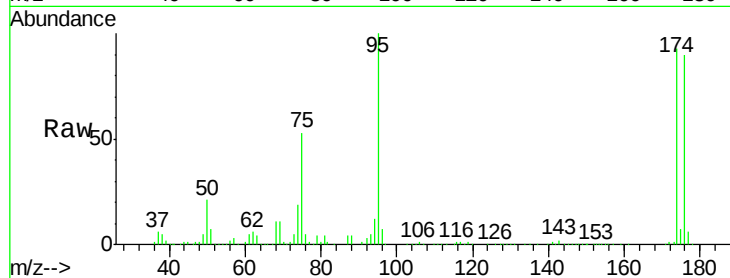




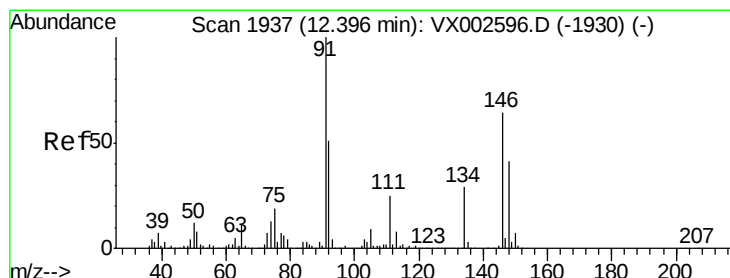
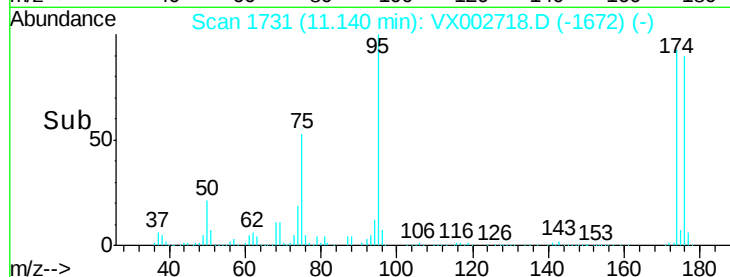
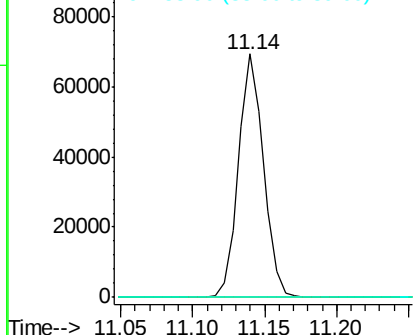
#81
trans-1,4-Dichloro-2-butene
Concen: 89.74 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.06 min
Lab File: VX002718.D
Acq: 19 Jun 2018 17:38

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 75 Resp: 83807
Ion Ratio Lower Upper
75 100
53 0.0 86.8 130.2#
89 0.0 38.2 57.2#

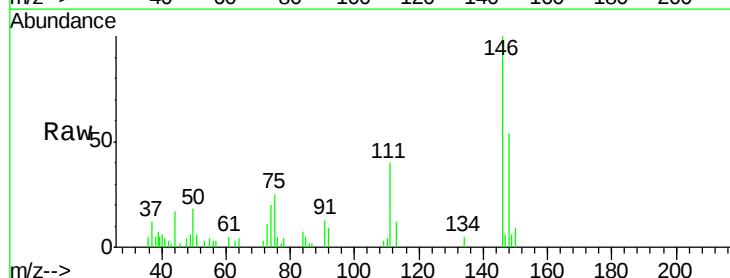


Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 88.90 (88.60 to 89.60): VX0



#91
1,2-Dichlorobenzene
Concen: 0.62 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VX002718.D
Acq: 19 Jun 2018 17:38

Tgt Ion: 146 Resp: 3264
Ion Ratio Lower Upper
146 100
111 41.2 19.4 58.1
148 65.9 31.7 95.1



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V

