

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062018\
 Data File : VX002758.D
 Acq On : 20 Jun 2018 23:26
 Operator : JC/MD
 Sample : VX0620WBL02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 21 05:54:07 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	232409	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	325816	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	308261	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	173305	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	175485	49.69	ug/l	0.00
Spiked Amount			Recovery	=	99.38%	
35) Dibromofluoromethane	5.51	113	141210	54.30	ug/l	0.00
Spiked Amount			Recovery	=	108.60%	
50) Toluene-d8	8.72	98	513104	51.97	ug/l	0.00
Spiked Amount			Recovery	=	103.94%	
62) 4-Bromofluorobenzene	11.14	95	179376	47.94	ug/l	0.00
Spiked Amount			Recovery	=	95.88%	

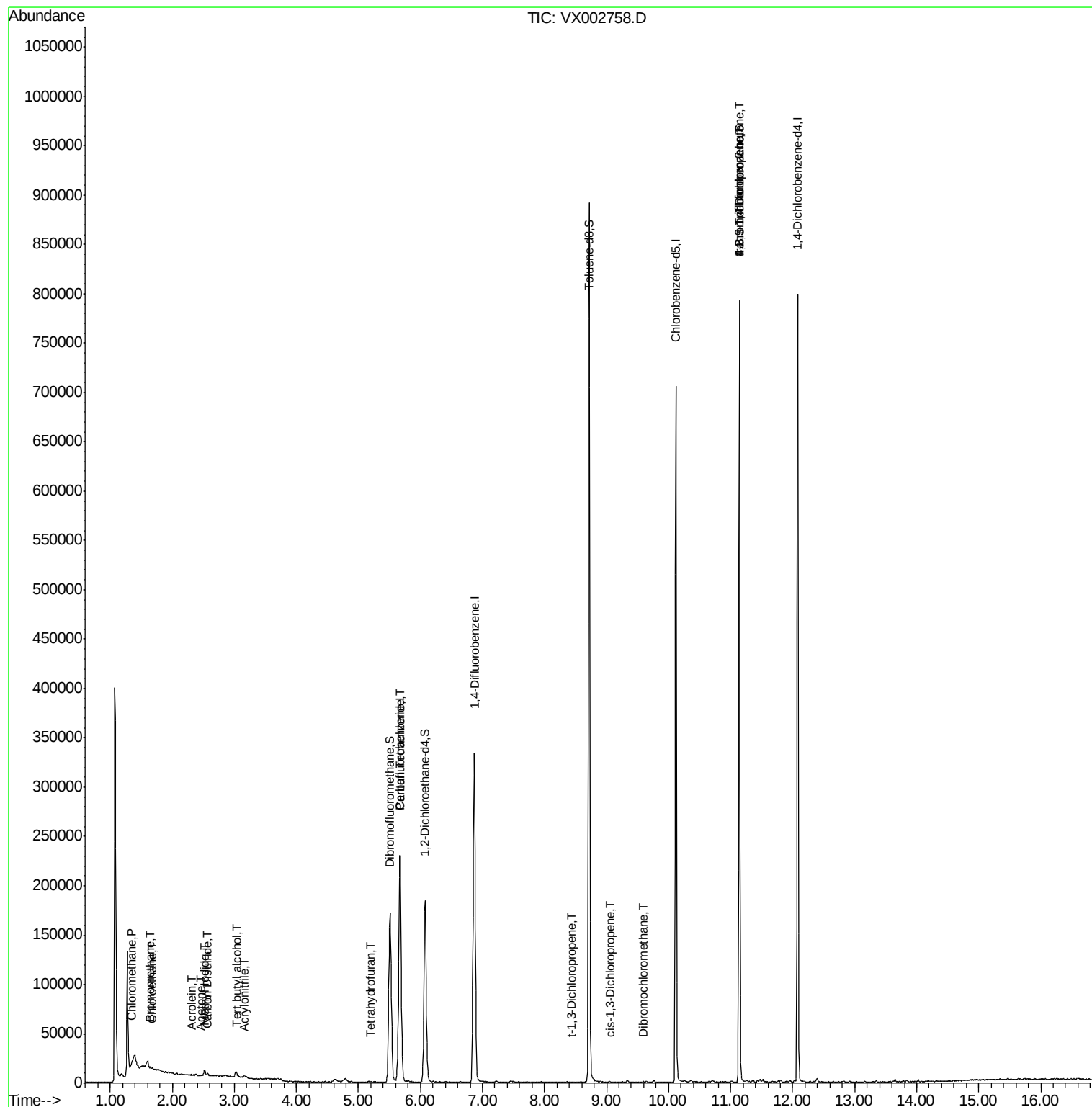
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	673	0.23	ug/l #	76
5) Bromomethane	1.65	94	1578	0.86	ug/l	99
6) Chloroethane	1.68	64	512	0.26	ug/l	92
10) Methyl Iodide	2.51	142	6254	6.68	ug/l #	95
11) Tert butyl alcohol	3.03	59	3559	4.87	ug/l #	93
13) Acrolein	2.30	56	344	7.84	ug/l #	14
15) Acrylonitrile	3.15	53	557	0.35	ug/l	88
16) Acetone	2.45	43	815	0.52	ug/l #	84
17) Carbon Disulfide	2.57	76	2702	0.44	ug/l	100
29) Tetrahydrofuran	5.19	42	800	0.60	ug/l #	49
38) Carbon Tetrachloride	5.67	117	21021	6.10	ug/l #	15
53) t-1,3-Dichloropropene	8.44	75	198	2.44	ug/l	91
54) cis-1,3-Dichloropropene	9.05	75	142	3.25	ug/l #	26
60) Dibromochloromethane	9.59	129	31	3.77	ug/l #	11
76) 1,2,3-Trichloropropane	11.14	75	96275	29.44	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.14	75	96275	90.50	ug/l #	7

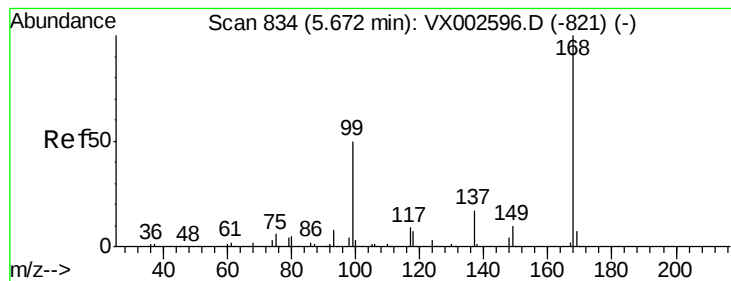
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX062018\
Data File : VX002758.D
Acq On : 20 Jun 2018 23:26
Operator : JC/MD
Sample : VX0620WBL02
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Jun 21 05:54:07 2018
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: VX002758.D

Acq: 20 Jun 2018 23:26

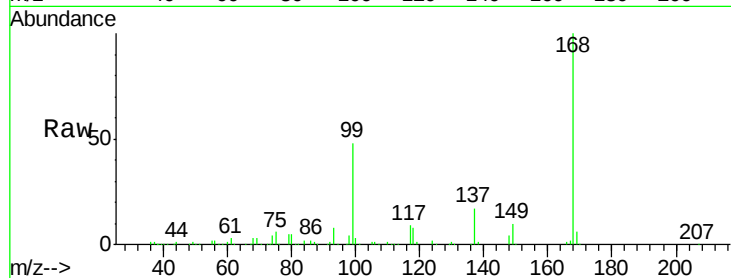
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 232409

Ion Ratio Lower Upper

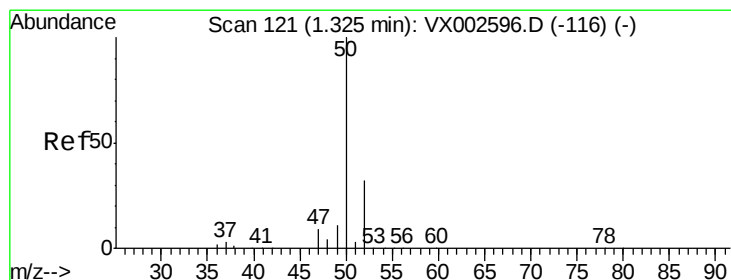
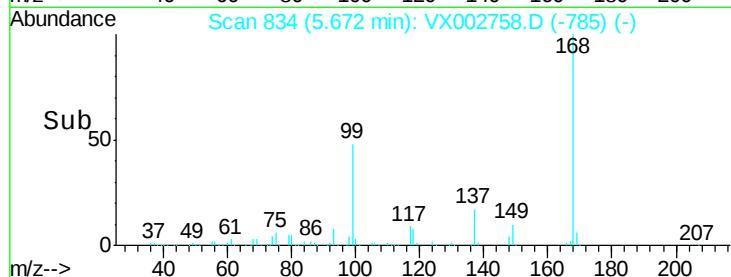
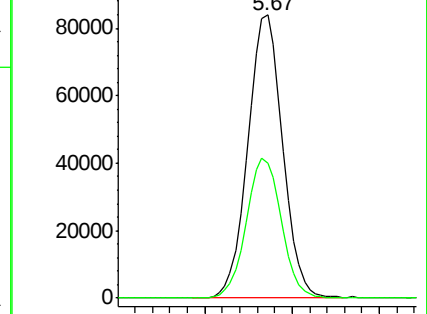
168 100

99 47.7 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: 0.23 ug/l

RT: 1.33 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX002758.D

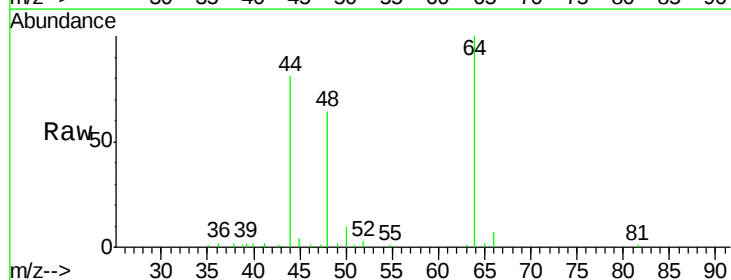
Acq: 20 Jun 2018 23:26

Tgt Ion: 50 Resp: 673

Ion Ratio Lower Upper

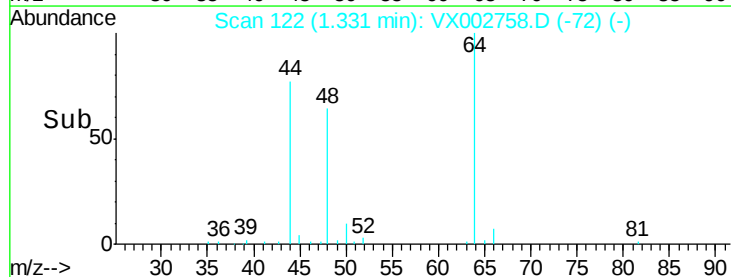
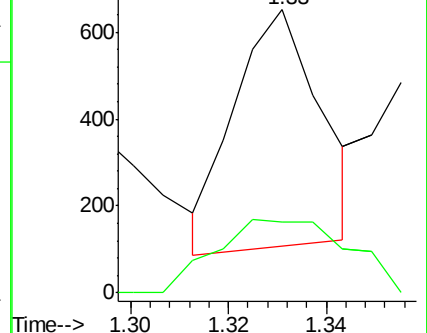
50 100

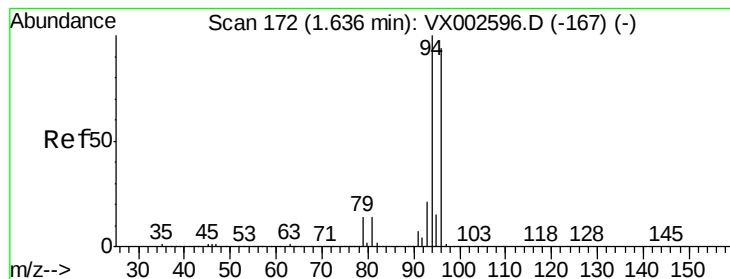
52 18.8 25.7 38.5#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 0.86 ug/l

RT: 1.65 min Scan# 174

Delta R.T. 0.01 min

Lab File: VX002758.D

Acq: 20 Jun 2018 23:26

Instrument :

MSVOA_X

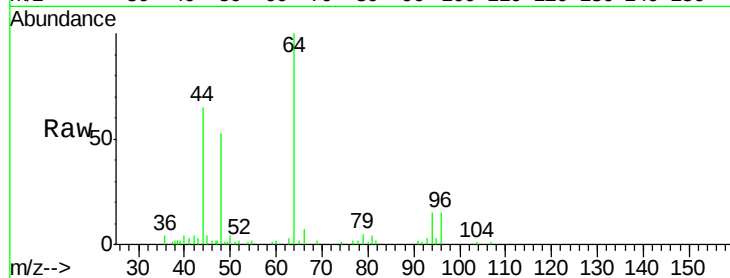
ClientSampleId :

Tot Ion: 94 Resp: 1578

Ion Ratio Lower Upper

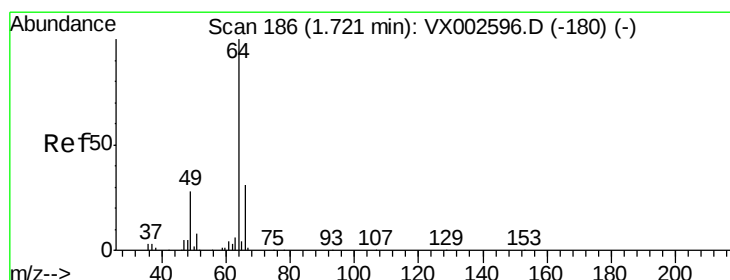
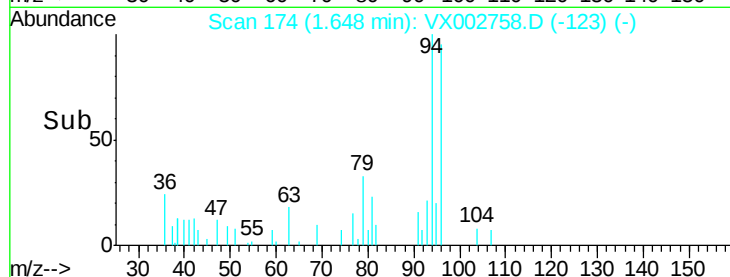
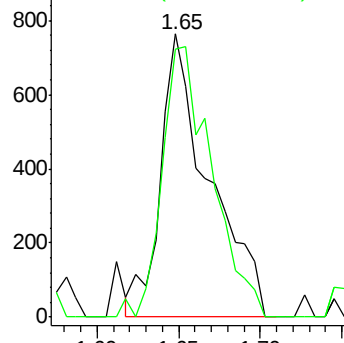
94 100

96 94.9 74.9 112.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 0.26 ug/l

RT: 1.68 min Scan# 179

Delta R.T. -0.04 min

Lab File: VX002758.D

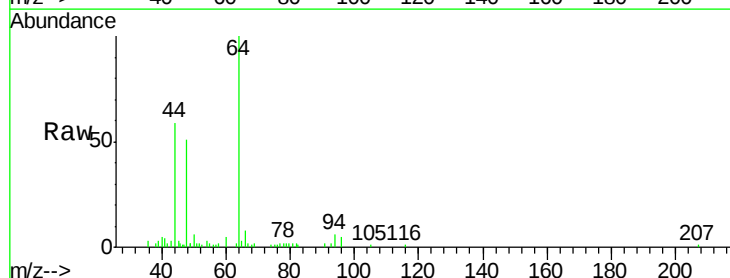
Acq: 20 Jun 2018 23:26

Tgt Ion: 64 Resp: 512

Ion Ratio Lower Upper

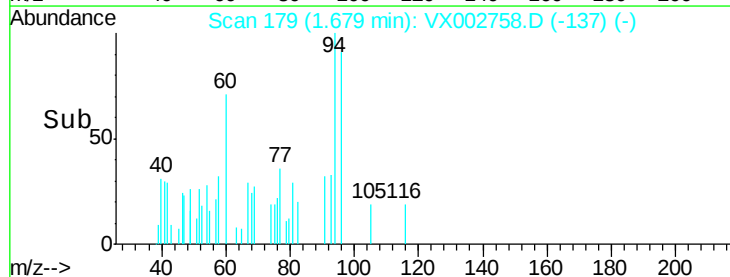
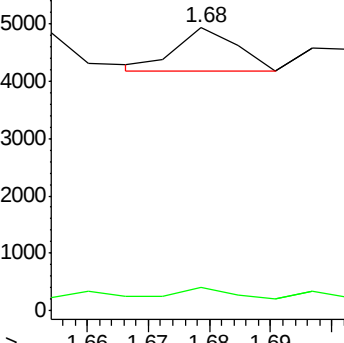
64 100

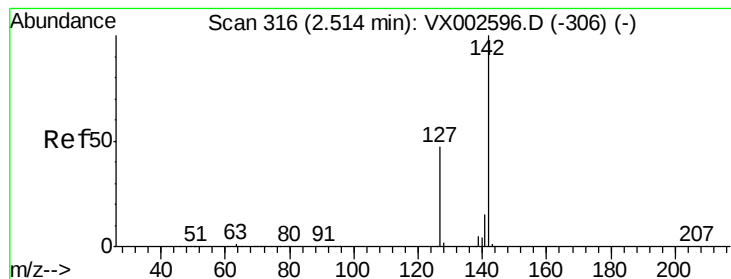
66 27.3 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#10

Methvl Iodide

Concen: 6.68 ug/l

RT: 2.51 min Scan# 316

Delta R.T. 0.00 min

Lab File: VX002758.D

Acq: 20 Jun 2018 23:26

Instrument :

MSVOA_X

ClientSampled :

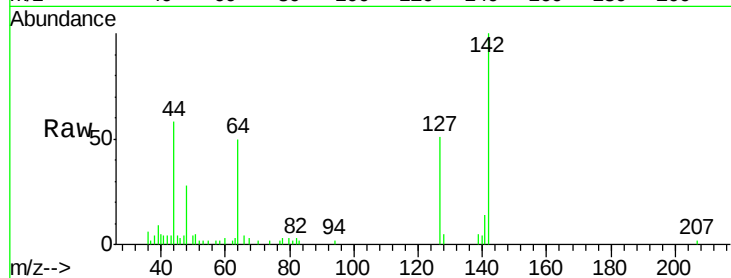
Tot Ion:142 Resp: 6254

Ion Ratio Lower Upper

142 100

127 49.0 36.6 55.0

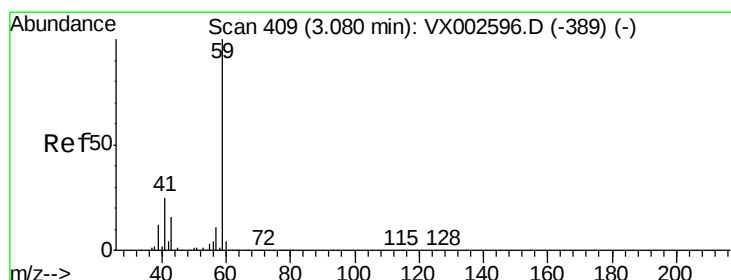
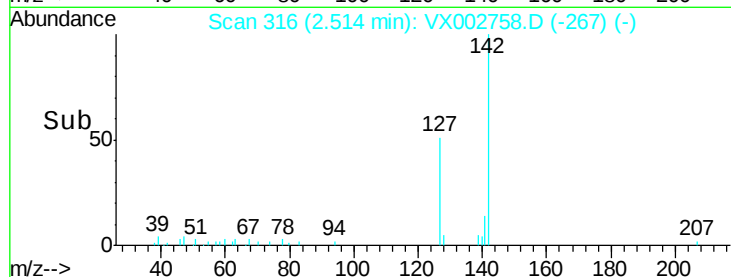
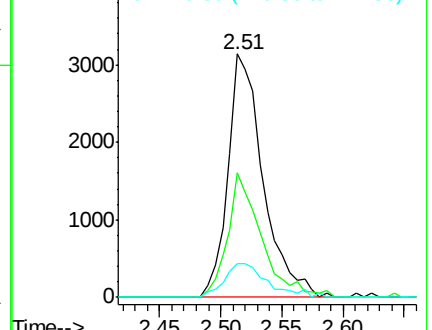
141 17.1 11.3 16.9#



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 butyl alcohol

Concen: 4.87 ug/l

RT: 3.03 min Scan# 400

Delta R.T. -0.05 min

Lab File: VX002758.D

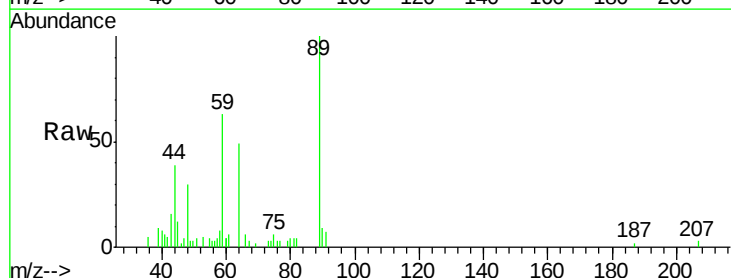
Acq: 20 Jun 2018 23:26

Tgt Ion: 59 Resp: 3559

Ion Ratio Lower Upper

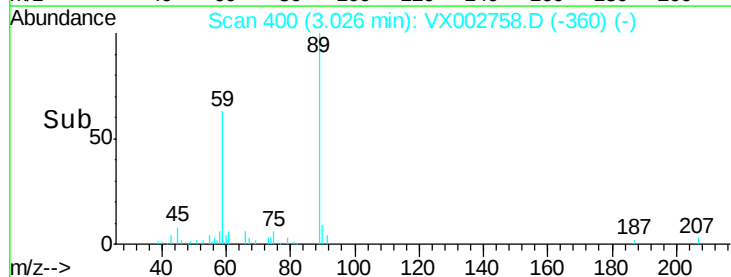
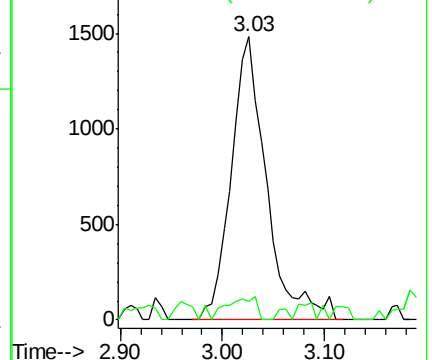
59 100

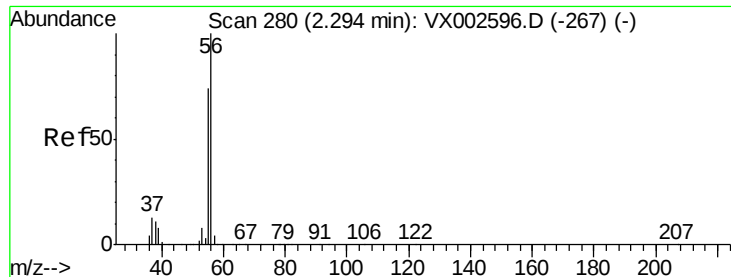
57 7.5 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 7.84 ug/l

RT: 2.30 min Scan# 281

Delta R.T. 0.01 min

Lab File: VX002758.D

Acq: 20 Jun 2018 23:26

Instrument :

MSVOA_X

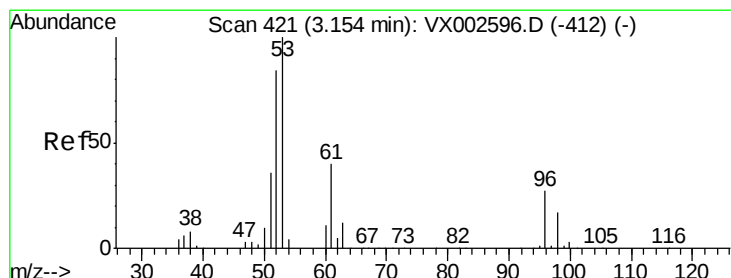
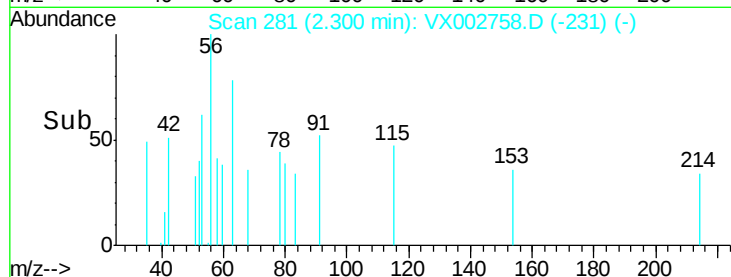
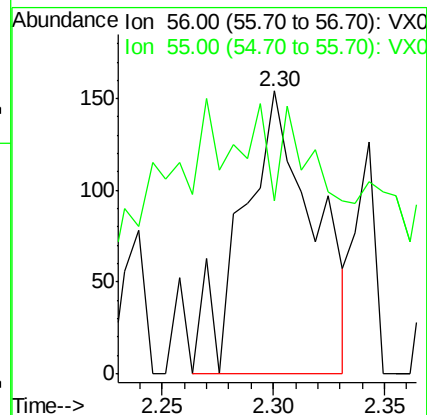
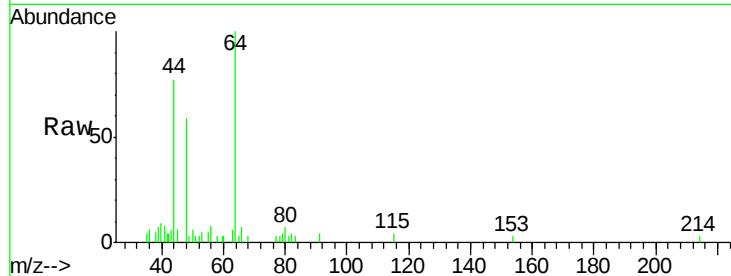
ClientSampleId :

Tot Ion: 56 Resp: 344

Ion Ratio Lower Upper

56 100

55 0.0 57.0 85.4#



#15

Acrylonitrile

Concen: 0.35 ug/l

RT: 3.15 min Scan# 420

Delta R.T. -0.01 min

Lab File: VX002758.D

Acq: 20 Jun 2018 23:26

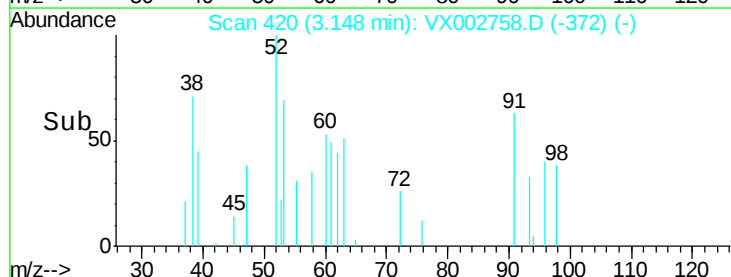
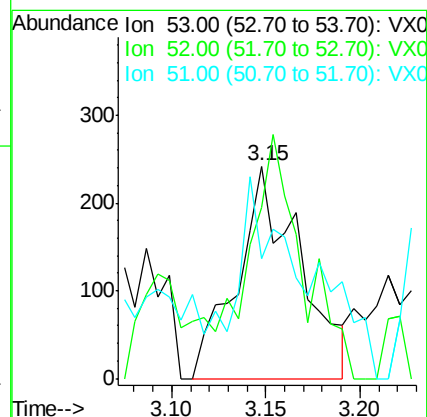
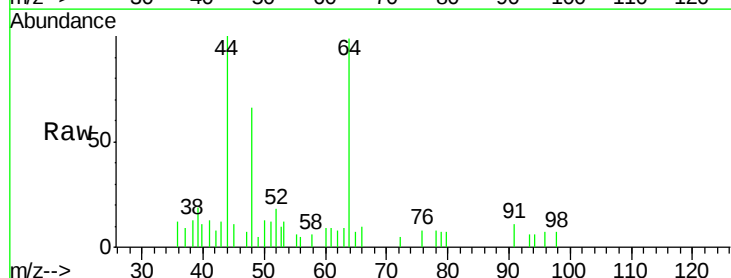
Tgt Ion: 53 Resp: 557

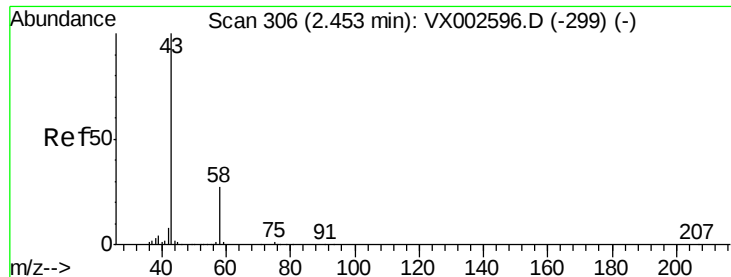
Ion Ratio Lower Upper

53 100

52 96.8 66.7 100.1

51 41.7 29.9 44.9





#16

Acetone

Concen: 0.52 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.00 min

Lab File: VX002758.D

Acq: 20 Jun 2018 23:26

Instrument :

MSVOA_X

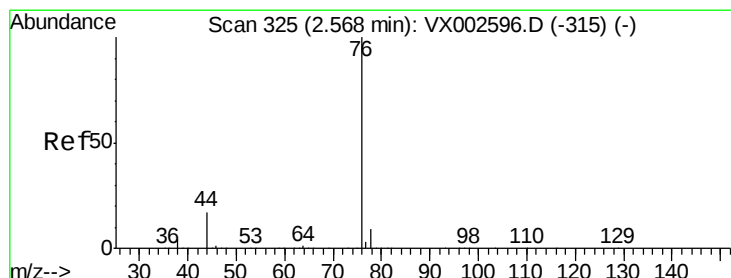
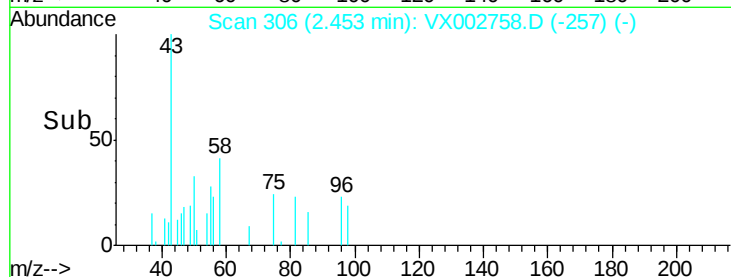
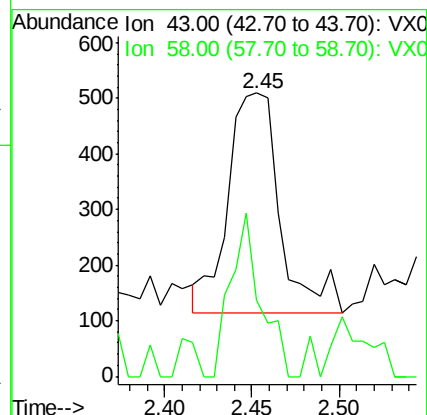
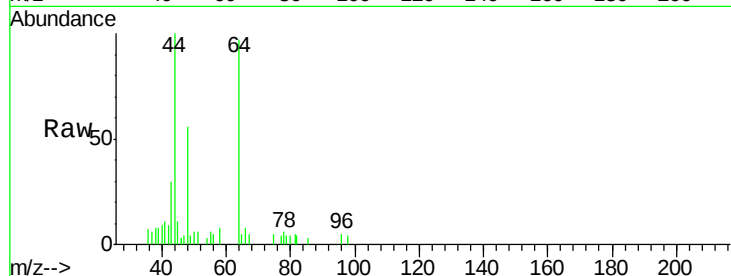
ClientSampleId :

Tot Ion: 43 Resp: 815

Ion Ratio Lower Upper

43 100

58 19.5 22.1 33.1#



#17

Carbon Disulfide

Concen: 0.44 ug/l

RT: 2.57 min Scan# 325

Delta R.T. 0.00 min

Lab File: VX002758.D

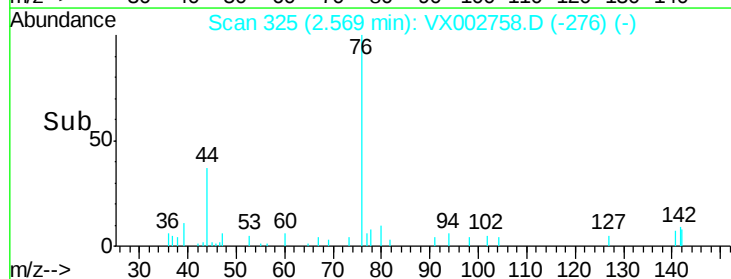
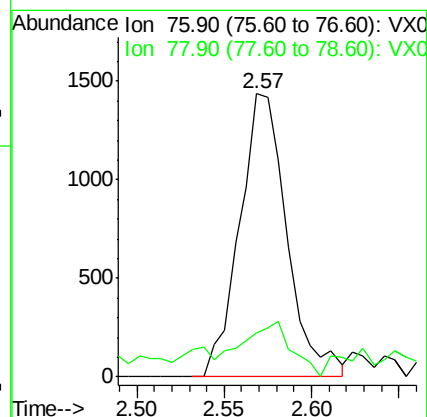
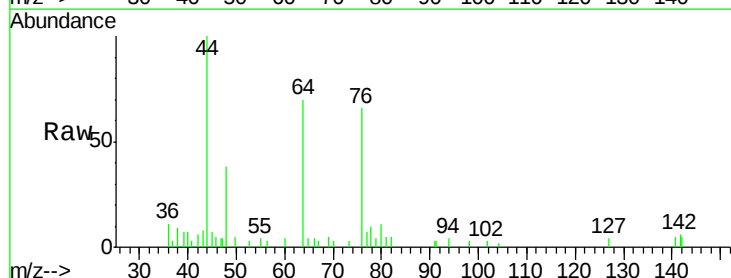
Acq: 20 Jun 2018 23:26

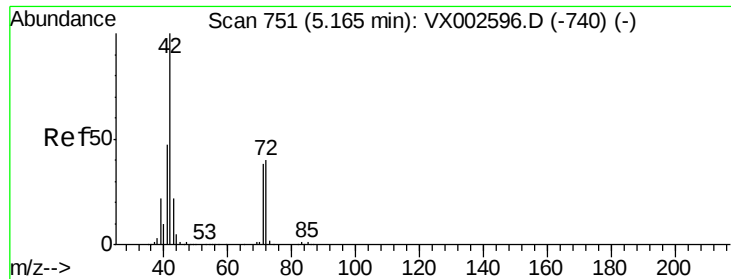
Tgt Ion: 76 Resp: 2702

Ion Ratio Lower Upper

76 100

78 8.6 6.9 10.3

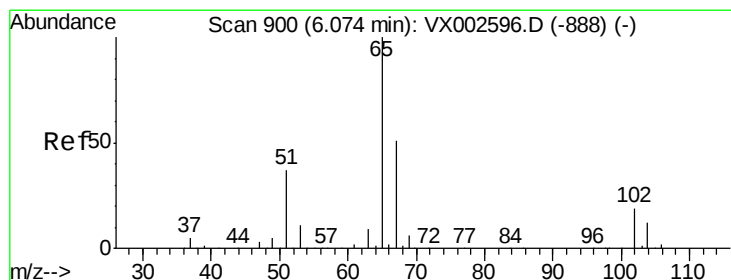
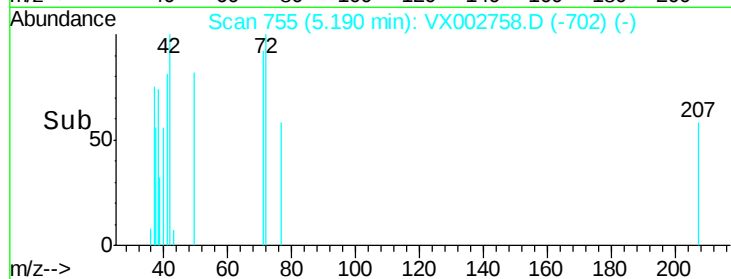
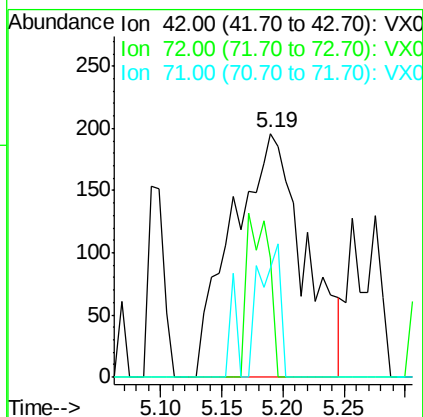
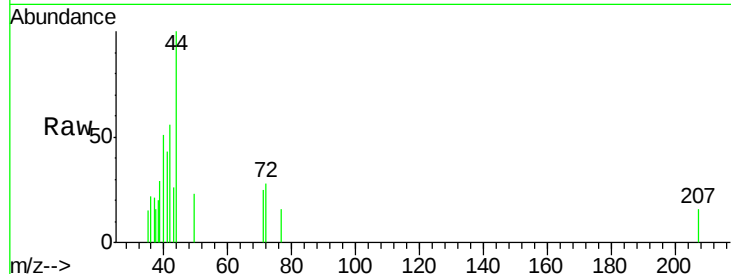




#29
Tetrahydrofuran
Concen: 0.60 ug/l
RT: 5.19 min Scan# 755
Delta R.T. 0.02 min
Lab File: VX002758.D
Acq: 20 Jun 2018 23:26

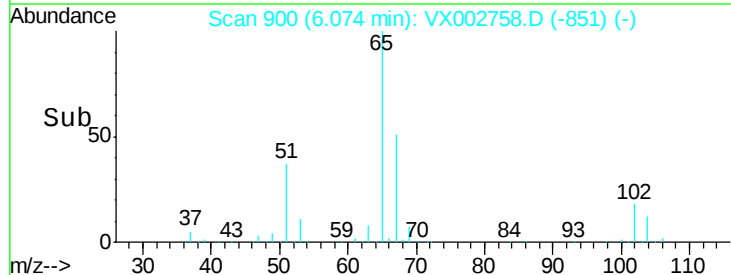
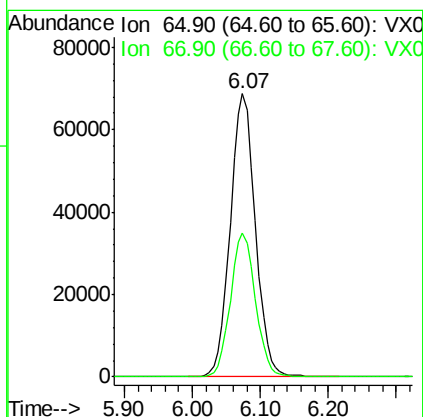
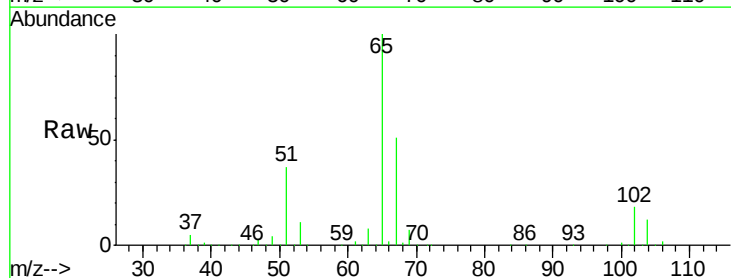
Instrument :
MSVOA_X
ClientSampled :

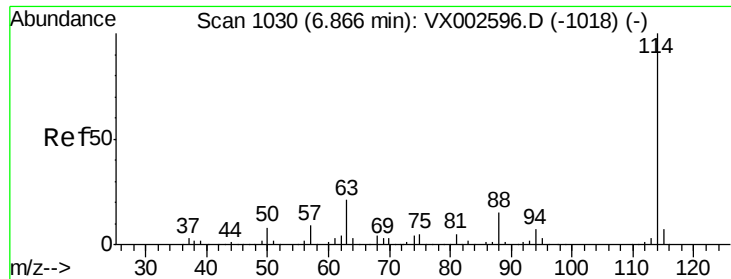
Tot Ion: 42 Resp: 800
Ion Ratio Lower Upper
42 100
72 0.0 32.0 48.0#
71 16.4 30.1 45.1#



#33
1,2-Dichloroethane-d4
Concen: 49.69 ug/l
RT: 6.07 min Scan# 900
Delta R.T. 0.00 min
Lab File: VX002758.D
Acq: 20 Jun 2018 23:26

Tgt Ion: 65 Resp: 175485
Ion Ratio Lower Upper
65 100
67 51.0 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: VX002758.D

Acq: 20 Jun 2018 23:26

Instrument :
MSVOA_X
ClientSampleId :

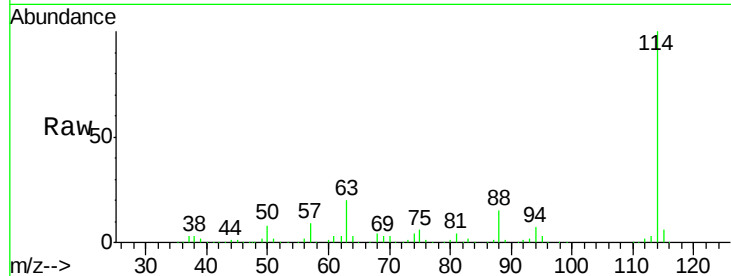
Tot Ion:114 Resp: 325816

Ion Ratio Lower Upper

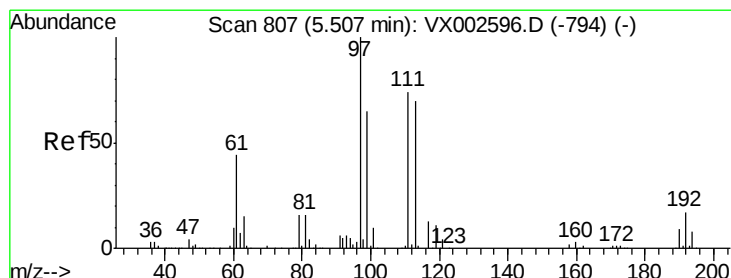
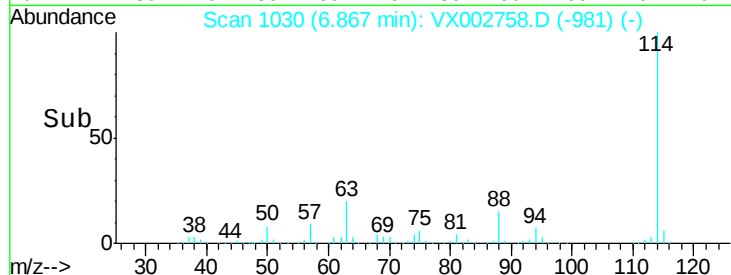
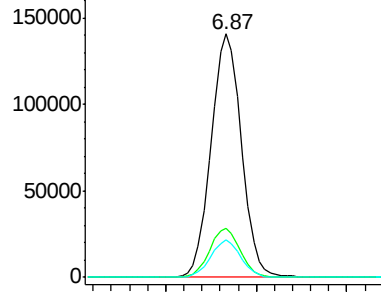
114 100

63 20.4 0.0 41.4

88 15.3 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: 54.30 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.00 min

Lab File: VX002758.D

Acq: 20 Jun 2018 23:26

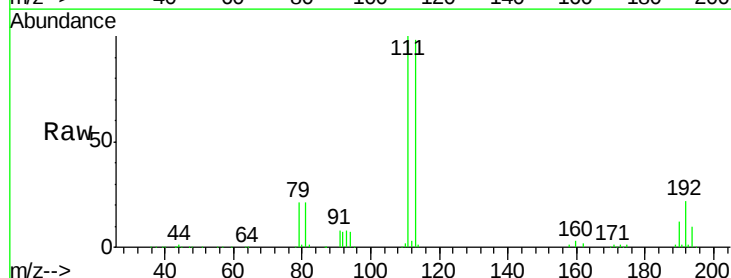
Tgt Ion:113 Resp: 141210

Ion Ratio Lower Upper

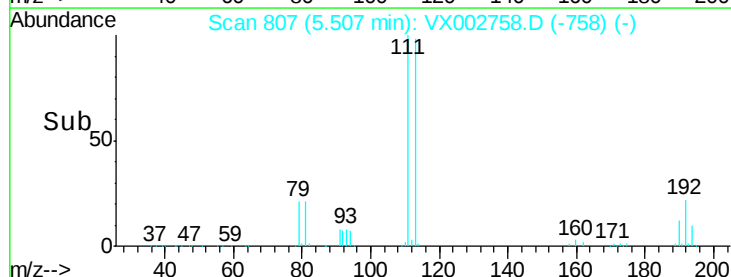
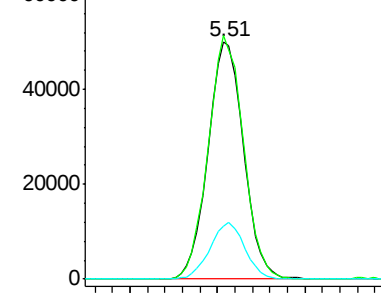
113 100

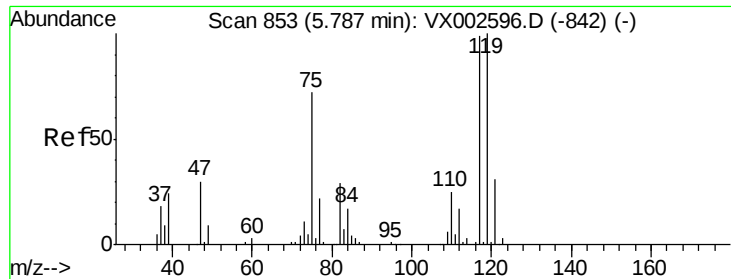
111 101.5 81.4 122.0

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





#38

Carbon Tetrachloride

Concen: 6.10 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.12 min

Lab File: VX002758.D

Acq: 20 Jun 2018 23:26

Instrument :

MSVOA_X

ClientSampleId :

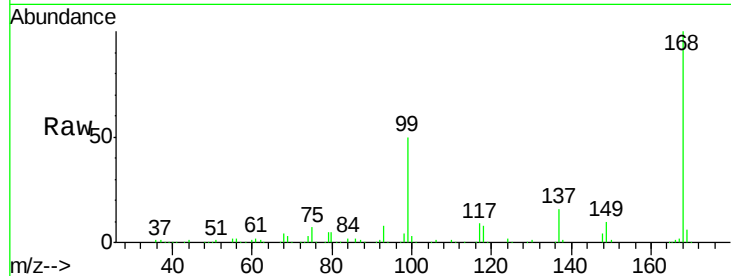
Tot Ion:117 Resp: 21021

Ion Ratio Lower Upper

117 100

119 4.4 77.4 116.0#

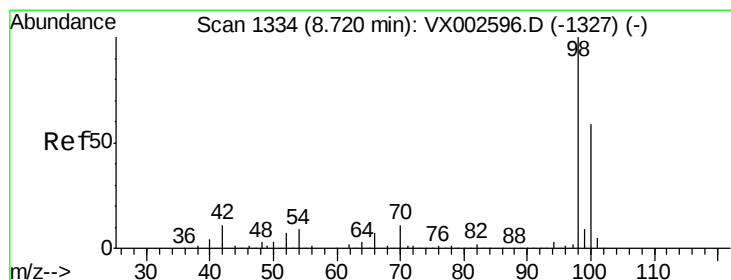
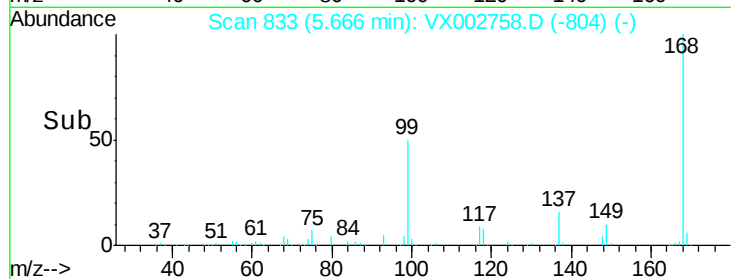
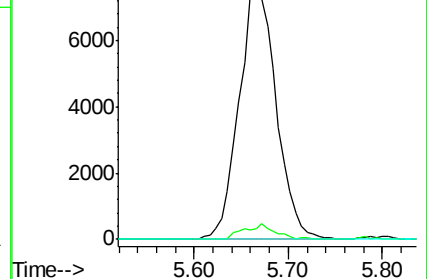
121 0.0 24.4 36.6#



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: 51.97 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX002758.D

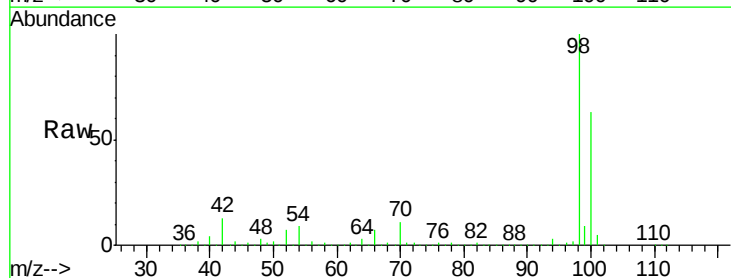
Acq: 20 Jun 2018 23:26

Tgt Ion: 98 Resp: 513104

Ion Ratio Lower Upper

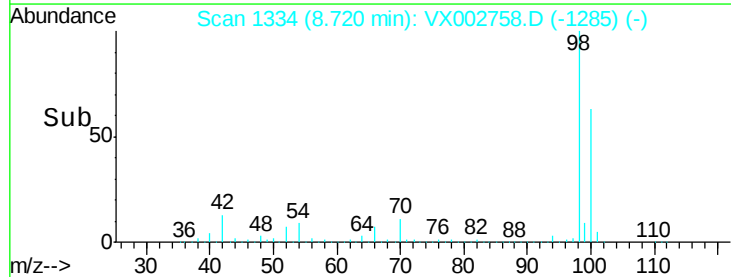
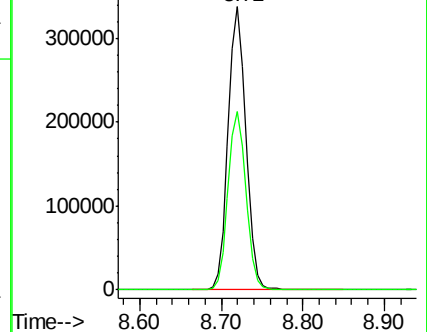
98 100

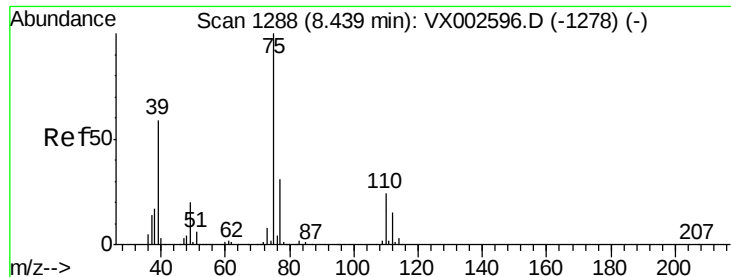
100 63.3 50.9 76.3



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: 2.44 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. 0.00 min

Lab File: VX002758.D

Acq: 20 Jun 2018 23:26

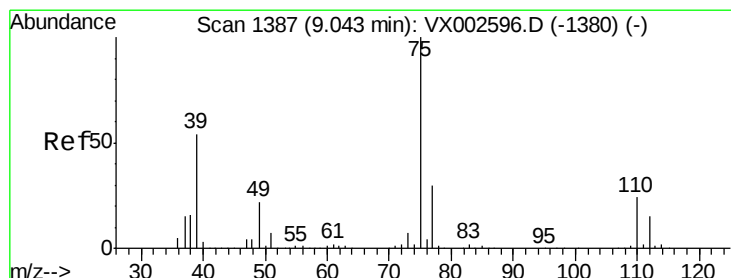
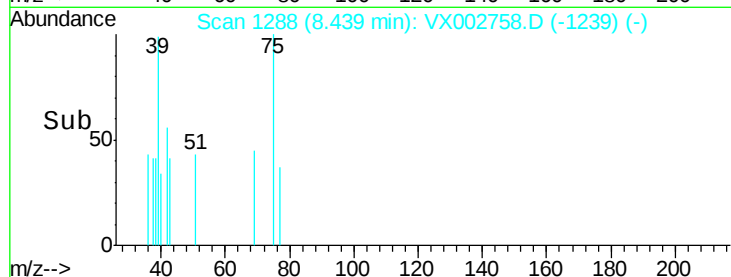
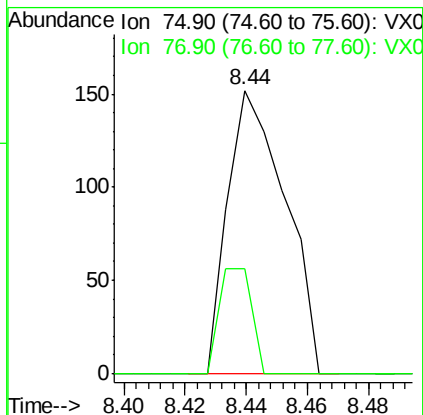
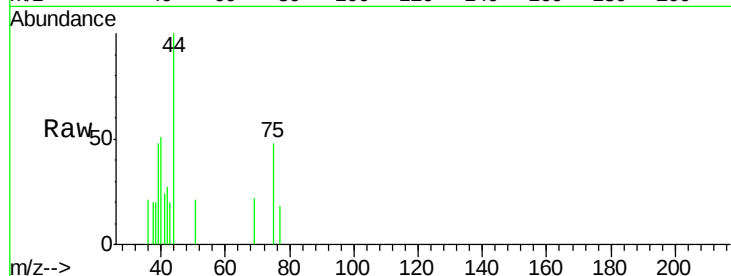
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 75 Resp: 198

Ion Ratio Lower Upper

75 100

77 36.8 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 3.25 ug/l

RT: 9.05 min Scan# 1388

Delta R.T. 0.01 min

Lab File: VX002758.D

Acq: 20 Jun 2018 23:26

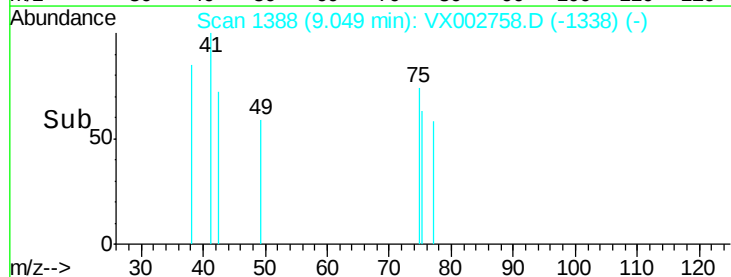
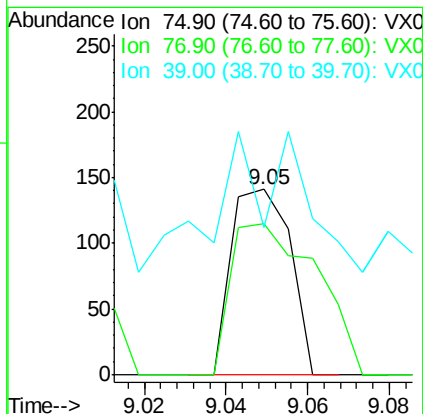
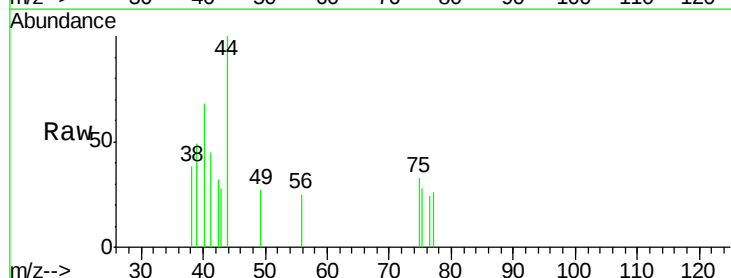
Tgt Ion: 75 Resp: 142

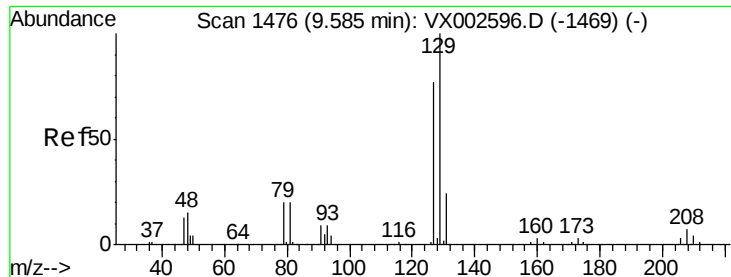
Ion Ratio Lower Upper

75 100

77 81.6 24.8 37.2#

39 7.8 42.4 63.6#





#60

Dibromochloromethane

Concen: 3.77 ug/l

RT: 9.59 min Scan# 1477

Delta R.T. 0.01 min

Lab File: VX002758.D

Acq: 20 Jun 2018 23:26

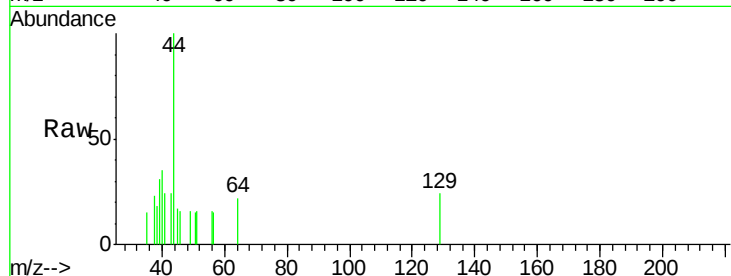
Instrument :
MSVOA_X
ClientSampled :

Tot Ion:129 Resp: 31

Ion Ratio Lower Upper

129 100

127 0.0 38.5 115.3#

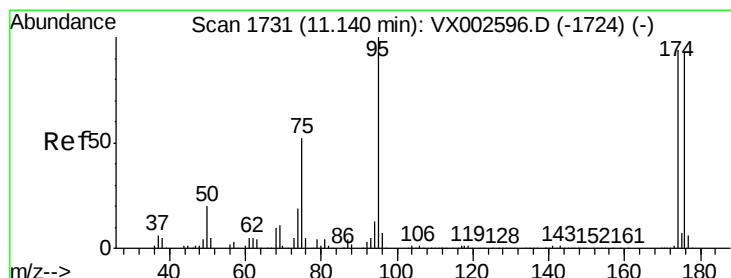
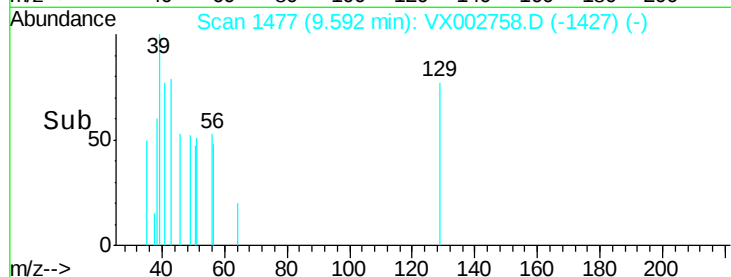


Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

9.59

Time-->



#62

4-Bromofluorobenzene

Concen: 47.94 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX002758.D

Acq: 20 Jun 2018 23:26

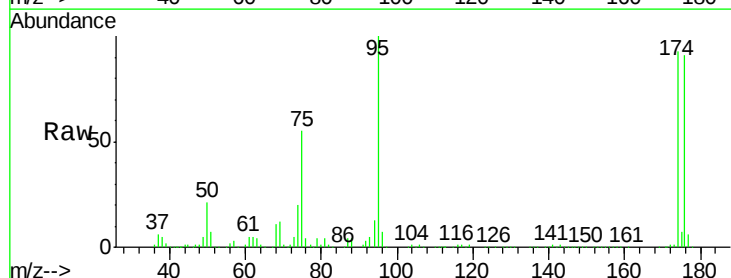
Tgt Ion: 95 Resp: 179376

Ion Ratio Lower Upper

95 100

174 97.2 0.0 187.4

176 94.3 0.0 181.0



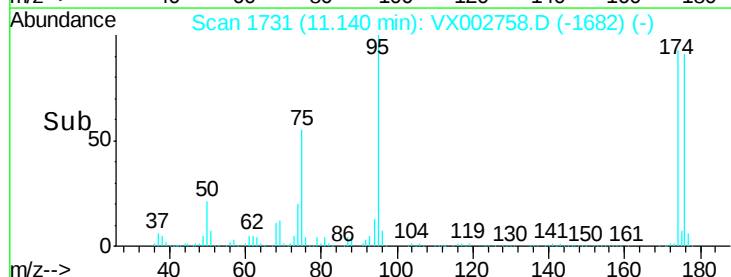
Abundance Ion 94.90 (94.60 to 95.60): VX0

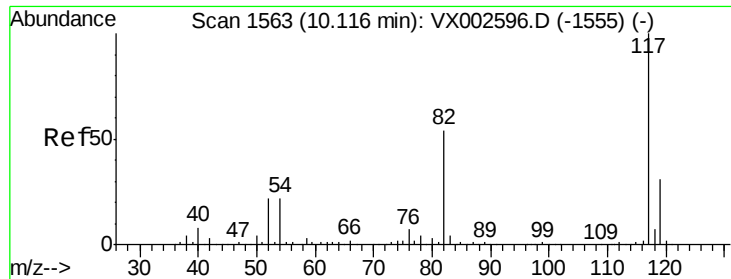
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.14

Time-->

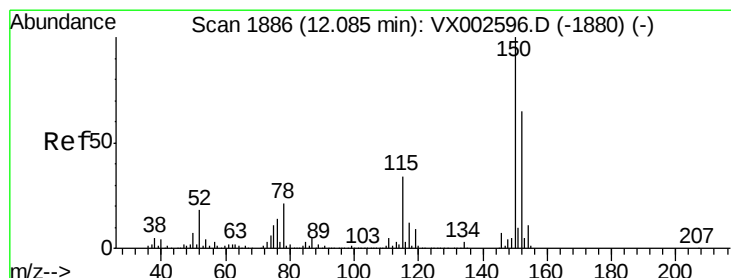
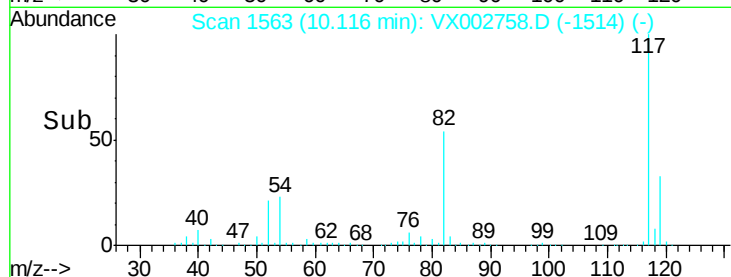
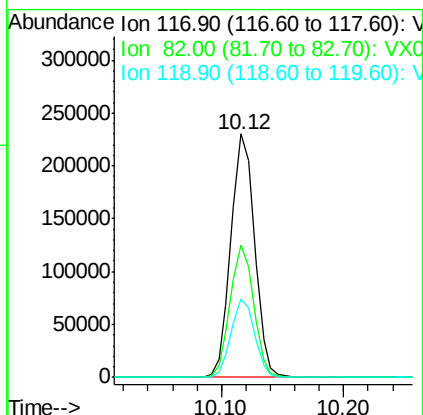
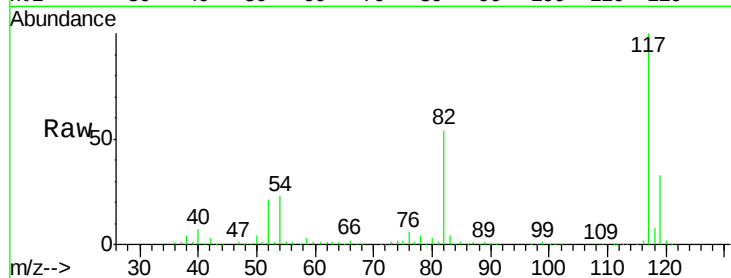




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX002758.D
Acq: 20 Jun 2018 23:26

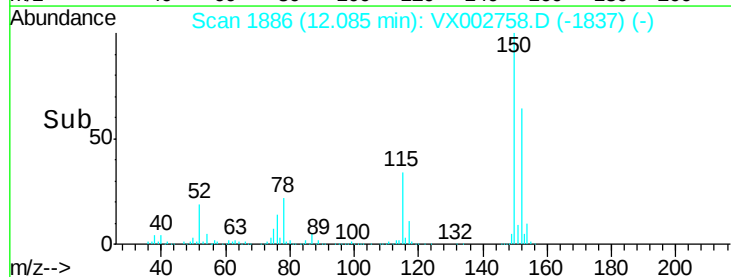
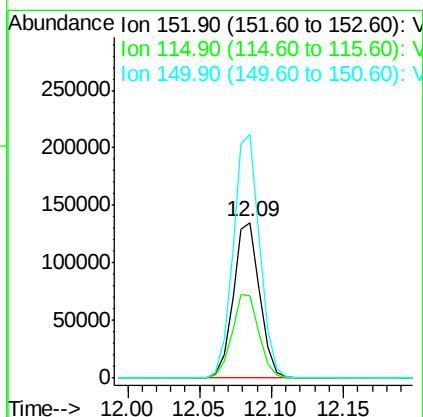
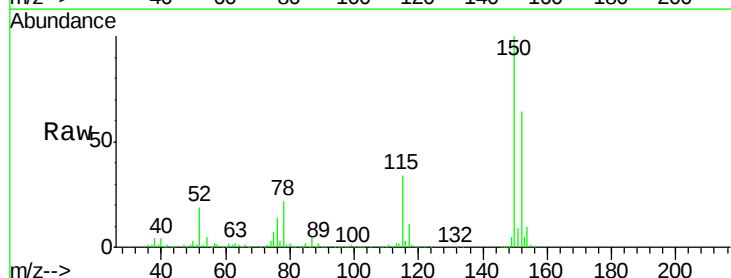
Instrument :
MSVOA_X
ClientSampleId :

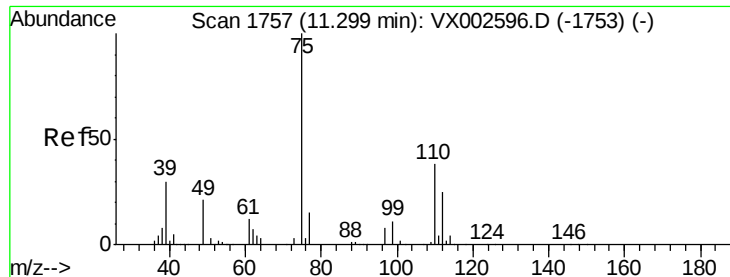
Tot Ion:117 Resp: 308261
Ion Ratio Lower Upper
117 100
82 54.1 45.0 67.4
119 32.5 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX002758.D
Acq: 20 Jun 2018 23:26

Tgt Ion:152 Resp: 173305
Ion Ratio Lower Upper
152 100
115 54.8 40.1 120.2
150 157.2 0.0 347.2





#76

1,2,3-Trichloropropane

Concen: 29.44 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX002758.D

Acq: 20 Jun 2018 23:26

Instrument :

MSVOA_X

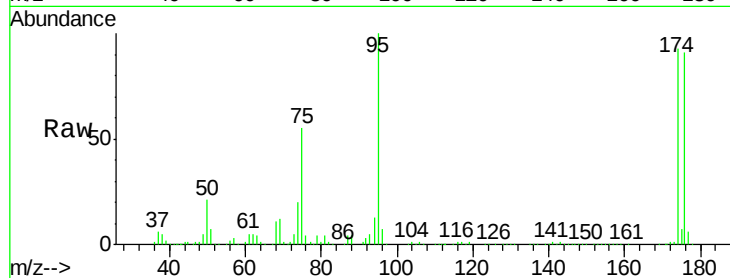
ClientSampled :

Tot Ion: 75 Resp: 96275

Ion Ratio Lower Upper

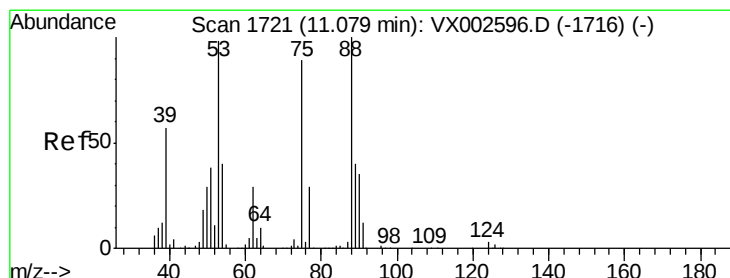
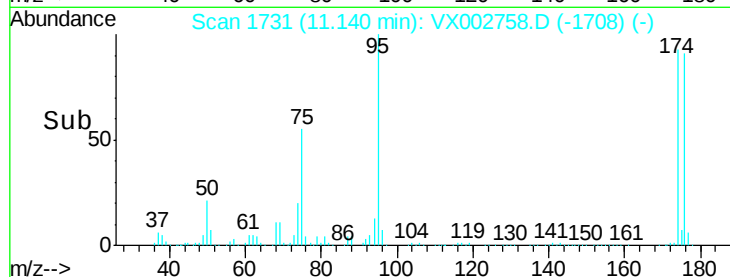
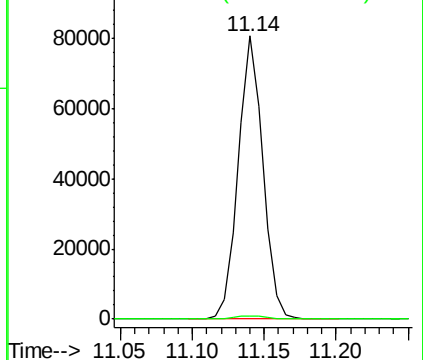
75 100

77 1.2 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: 90.50 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX002758.D

Acq: 20 Jun 2018 23:26

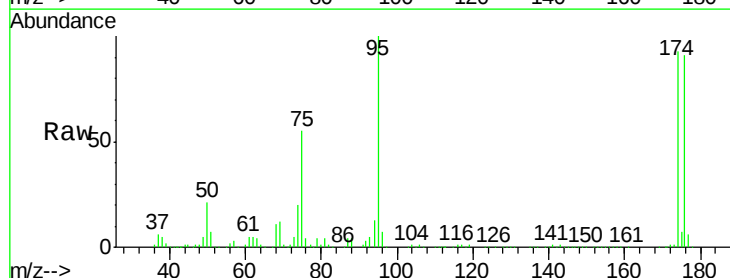
Tgt Ion: 75 Resp: 96275

Ion Ratio Lower Upper

75 100

53 0.2 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

