

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061818\
 Data File : VX002699.D
 Acq On : 19 Jun 2018 01:01
 Operator : JC/MD
 Sample : J3536-07
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 19 05:11:53 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	214582	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	300698	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	270513	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	141814	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.08	65	159464	48.90	ug/l	0.00
Spiked Amount			Recovery	=	97.80%	
35) Dibromofluoromethane	5.51	113	124210	51.76	ug/l	0.00
Spiked Amount			Recovery	=	103.52%	
50) Toluene-d8	8.72	98	473238	51.93	ug/l	0.00
Spiked Amount			Recovery	=	103.86%	
62) 4-Bromofluorobenzene	11.14	95	155748	45.11	ug/l	0.00
Spiked Amount			Recovery	=	90.22%	

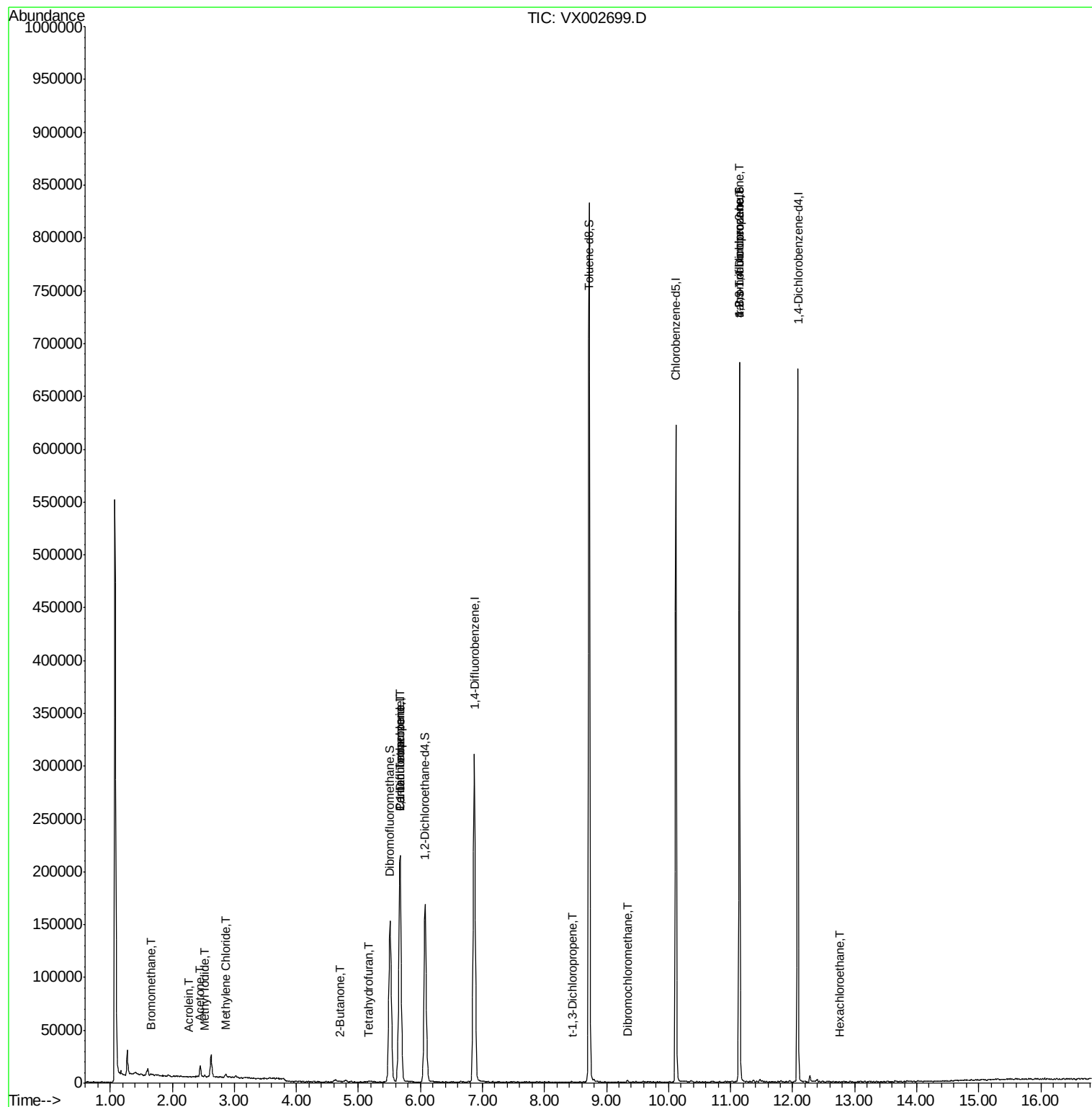
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.66	94	1452	0.86	ug/l	81
10) Methyl Iodide	2.53	142	1591	5.59	ug/l #	96
13) Acrolein	2.27	56	173	7.40	ug/l #	80
16) Acetone	2.45	43	11283	7.84	ug/l	99
20) Methylene Chloride	2.86	84	1388	0.47	ug/l #	90
25) 2-Butanone	4.71	43	501	0.27	ug/l #	80
29) Tetrahydrofuran	5.16	42	351	0.28	ug/l #	85
36) 1,1-Dichloropropene	5.67	75	14293	4.48	ug/l #	50
38) Carbon Tetrachloride	5.67	117	19693	6.19	ug/l #	15
53) t-1,3-Dichloropropene	8.45	75	49	2.41	ug/l #	2
60) Dibromochloromethane	9.34	129	76	3.79	ug/l #	11
76) 1,2,3-Trichloropropane	11.14	75	84105	31.43	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.14	75	84105	96.34	ug/l #	7
90) Hexachloroethane	12.76	117	40	2.65	ug/l #	1

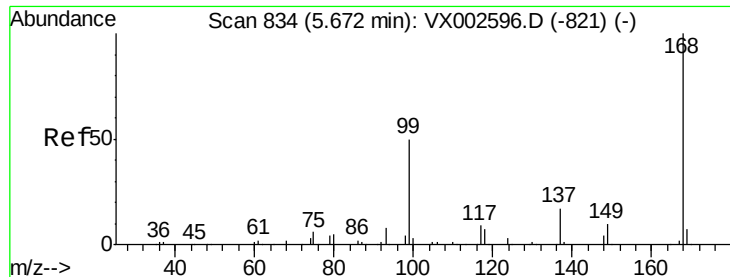
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX002699.D

Acq: 19 Jun 2018 01:01

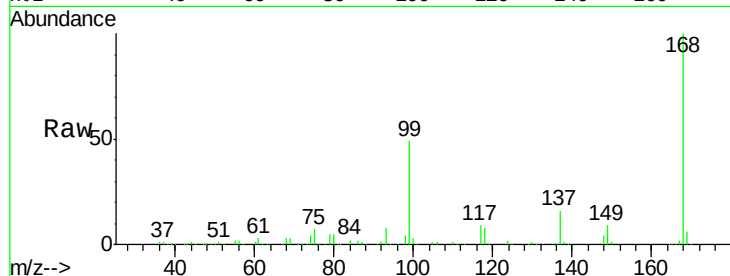
Instrument :
MSVOA_X
ClientSampled :

Tot Ion:168 Resp: 214582

Ion Ratio Lower Upper

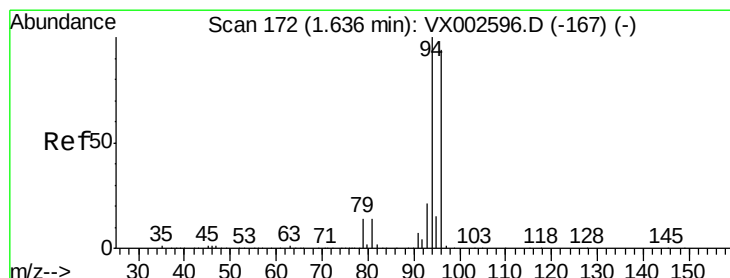
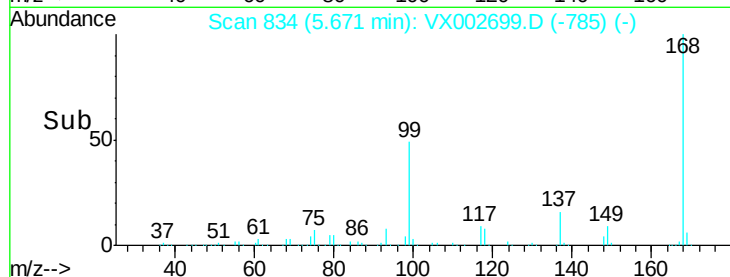
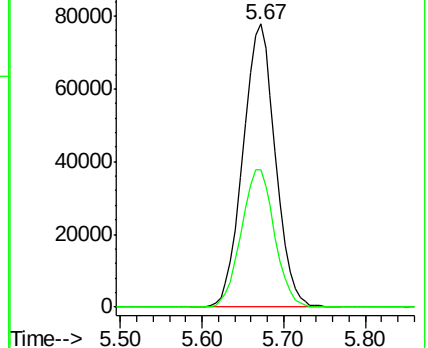
168 100

99 48.7 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: 1.66 min Scan# 176

Delta R.T. 0.02 min

Lab File: VX002699.D

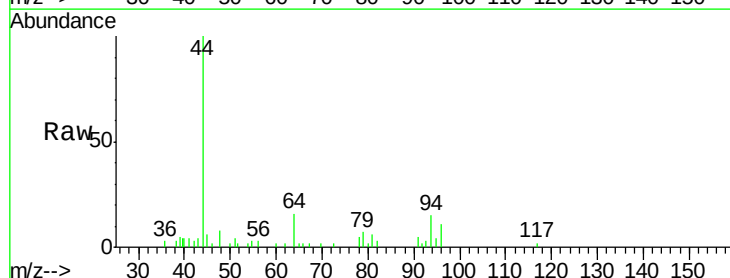
Acq: 19 Jun 2018 01:01

Tgt Ion: 94 Resp: 1452

Ion Ratio Lower Upper

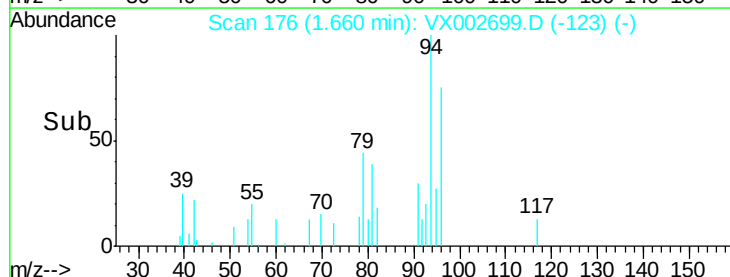
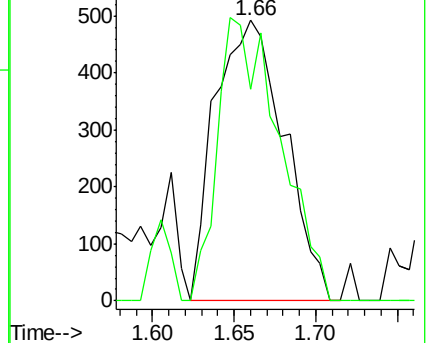
94 100

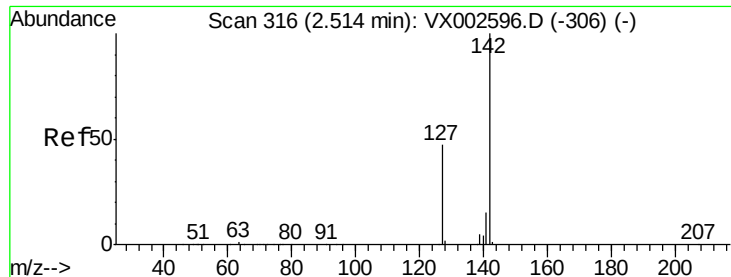
96 75.4 74.9 112.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

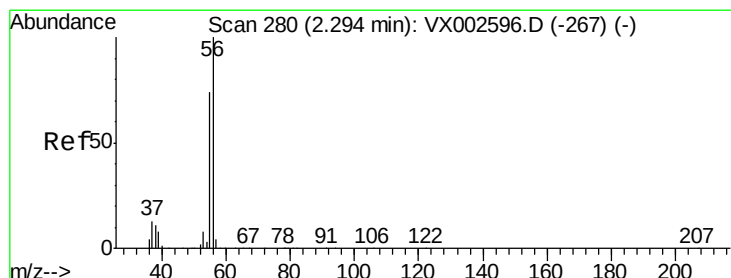
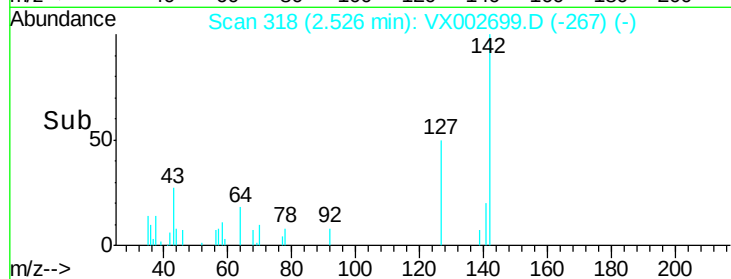
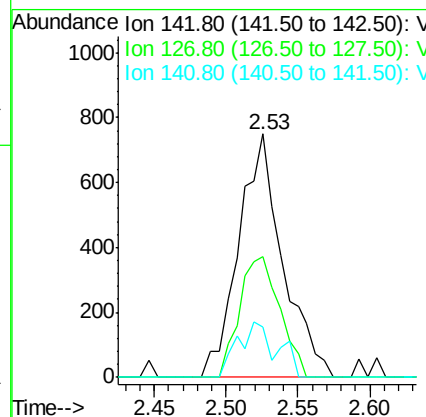
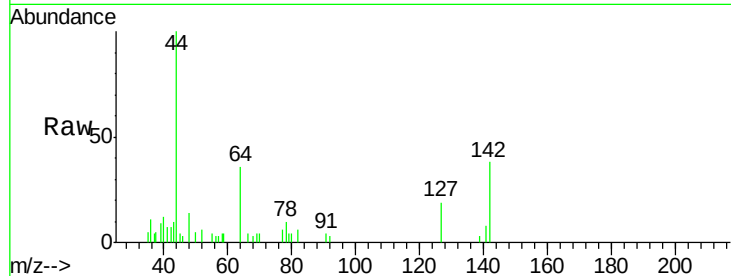




#10
Methvl Iodide
Concen: 5.59 ug/l
RT: 2.53 min Scan# 318
Delta R.T. 0.01 min
Lab File: VX002699.D
Acq: 19 Jun 2018 01:01

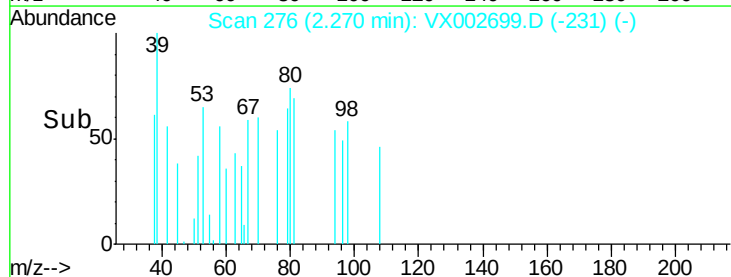
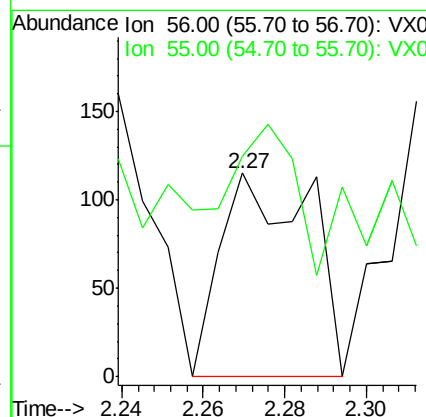
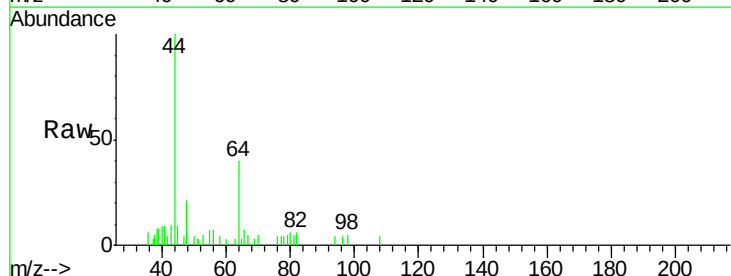
Instrument :
MSVOA_X
ClientSampled :

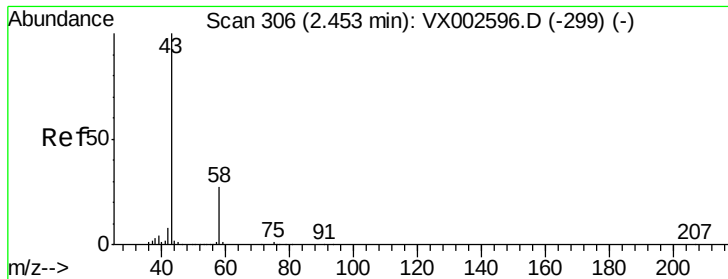
Tot Ion:142 Resp: 1591
Ion Ratio Lower Upper
142 100
127 45.3 36.6 55.0
141 19.9 11.3 16.9#



#13
Acrolein
Concen: 7.40 ug/l
RT: 2.27 min Scan# 276
Delta R.T. -0.02 min
Lab File: VX002699.D
Acq: 19 Jun 2018 01:01

Tgt Ion: 56 Resp: 173
Ion Ratio Lower Upper
56 100
55 54.3 57.0 85.4#





#16

Acetone

Concen: 7.84 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX002699.D

Acq: 19 Jun 2018 01:01

Instrument :

MSVOA_X

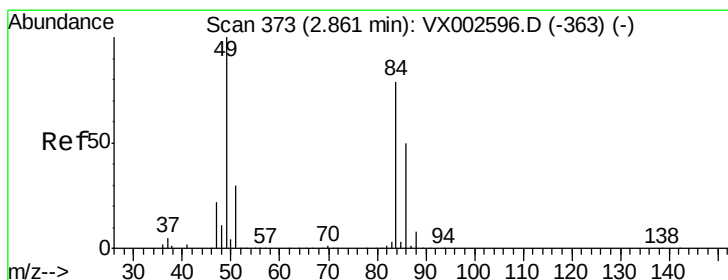
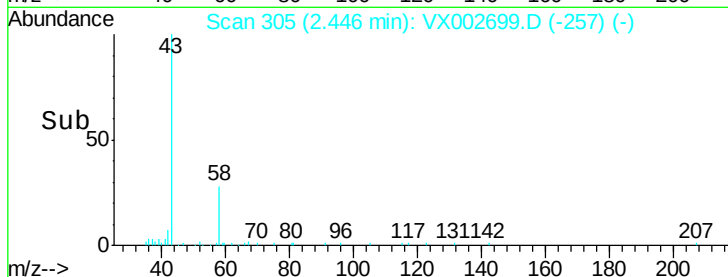
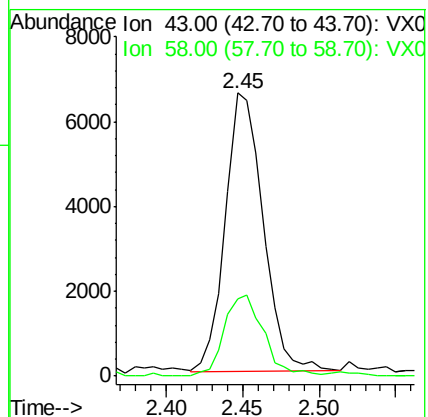
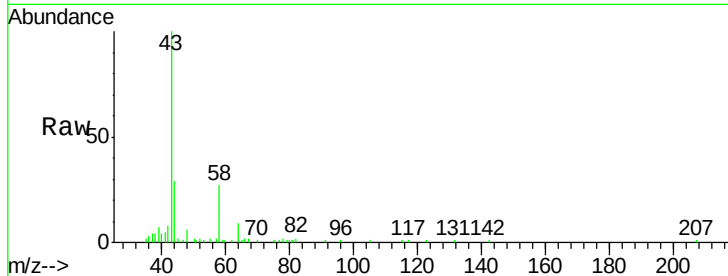
ClientSampleId :

Tot Ion: 43 Resp: 11283

Ion Ratio Lower Upper

43 100

58 28.0 22.1 33.1



#20

Methylene Chloride

Concen: 0.47 ug/l

RT: 2.86 min Scan# 373

Delta R.T. -0.00 min

Lab File: VX002699.D

Acq: 19 Jun 2018 01:01

Tgt Ion: 84 Resp: 1388

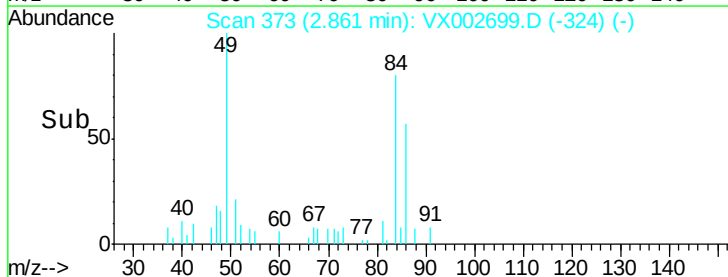
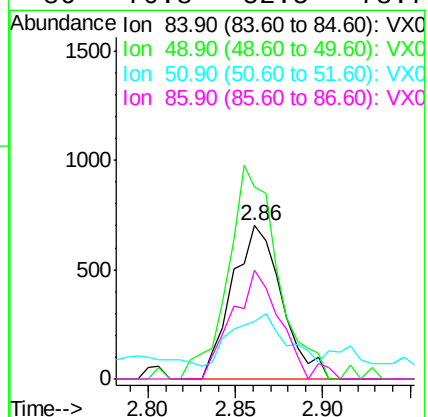
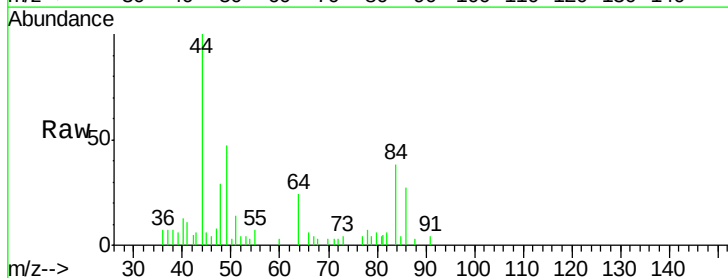
Ion Ratio Lower Upper

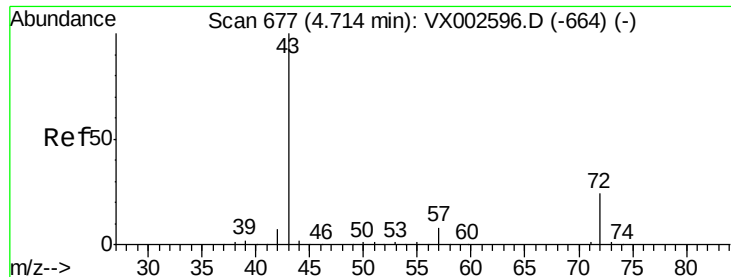
84 100

49 124.9 107.8 161.6

51 26.6 32.8 49.2#

86 70.8 52.5 78.7





#25

2-Butanone

Concen: 0.27 ug/l

RT: 4.71 min Scan# 676

Delta R.T. -0.01 min

Lab File: VX002699.D

Acq: 19 Jun 2018 01:01

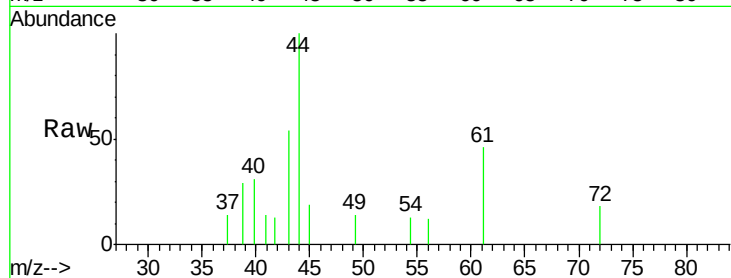
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 43 Resp: 501

Ion Ratio Lower Upper

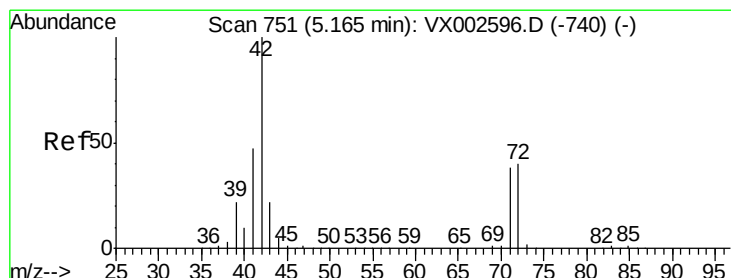
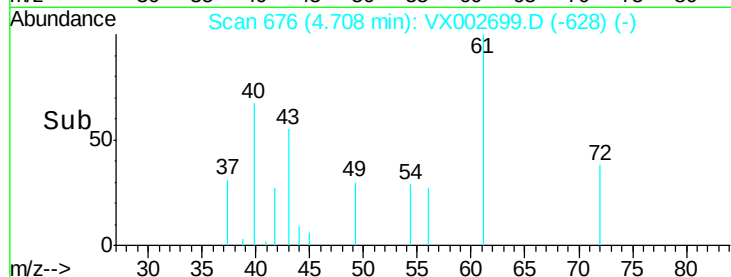
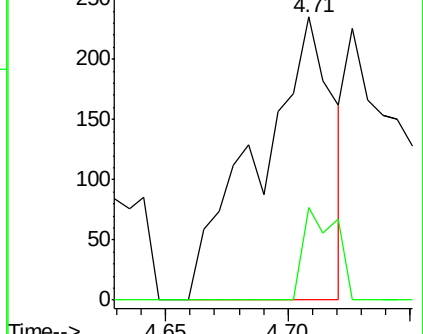
43 100

72 32.8 18.5 27.7#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#29

Tetrahydrofuran

Concen: 0.28 ug/l

RT: 5.16 min Scan# 750

Delta R.T. -0.01 min

Lab File: VX002699.D

Acq: 19 Jun 2018 01:01

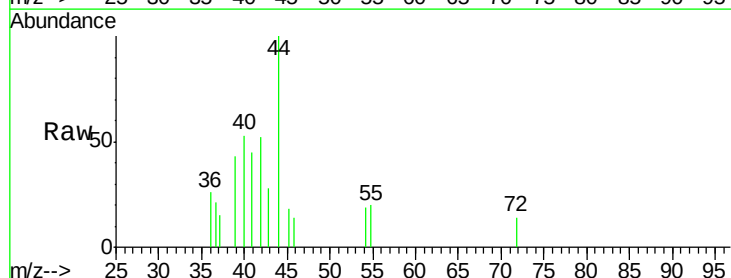
Tgt Ion: 42 Resp: 351

Ion Ratio Lower Upper

42 100

72 32.5 32.0 48.0

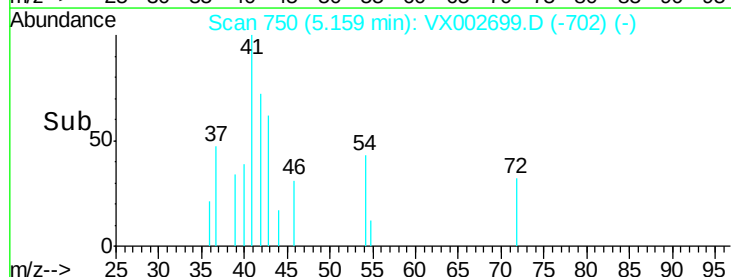
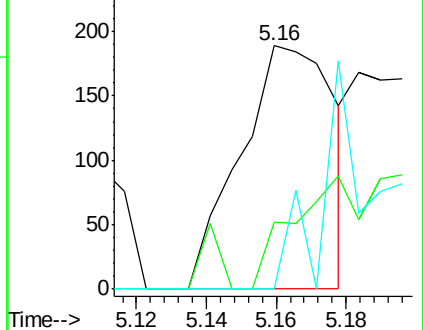
71 49.0 30.1 45.1#

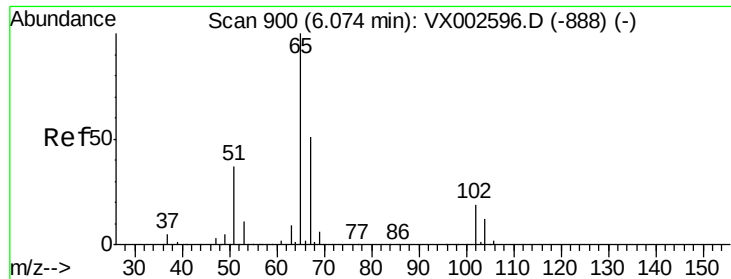


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0

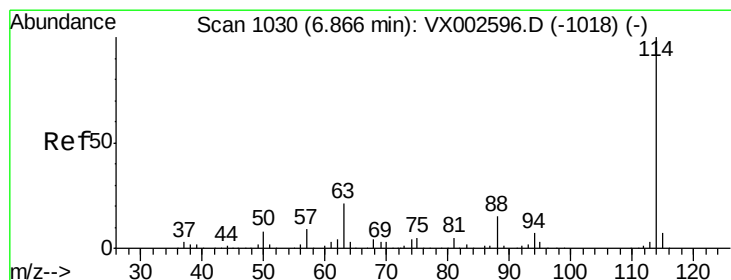
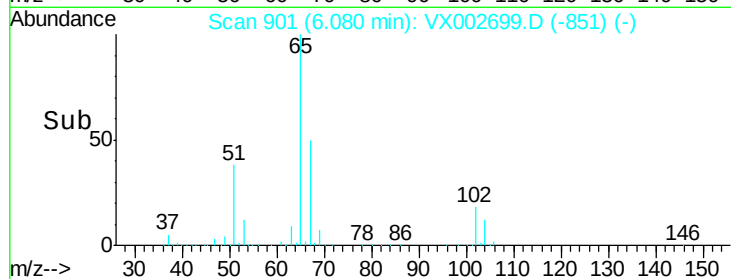
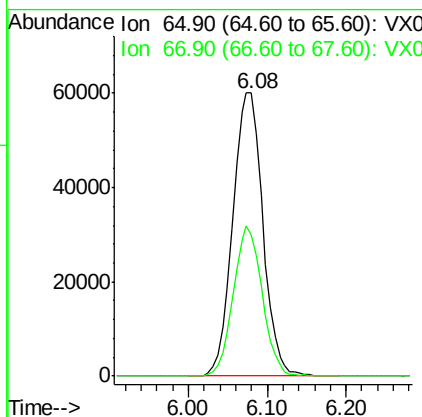
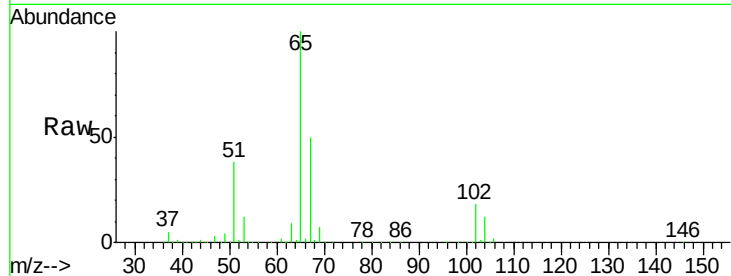




#33
 1,2-Dichloroethane-d4
 Concen: 48.90 ug/l
 RT: 6.08 min Scan# 901
 Delta R.T. 0.01 min
 Lab File: VX002699.D
 Acq: 19 Jun 2018 01:01

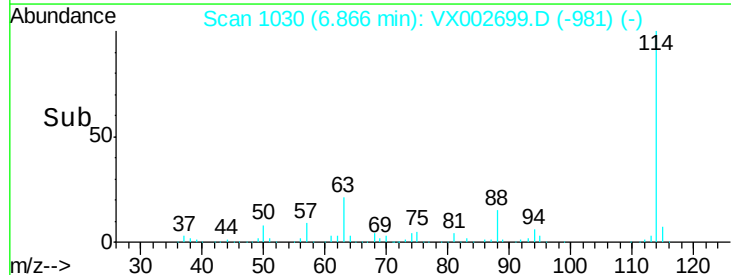
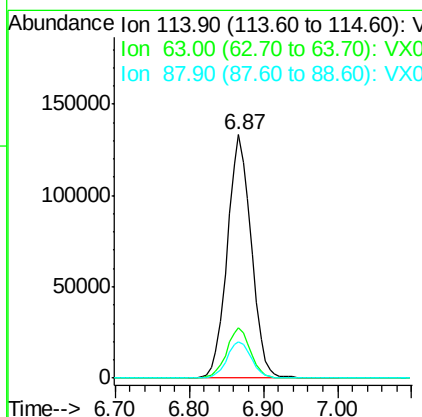
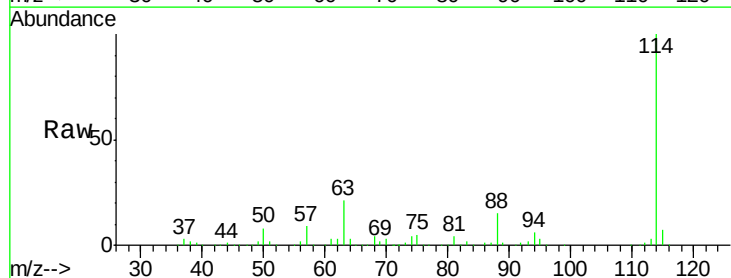
Instrument :
 MSVOA_X
 ClientSampleId :

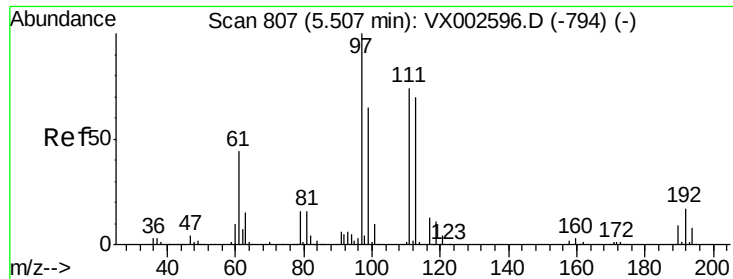
Tot Ion: 65 Resp: 159464
 Ion Ratio Lower Upper
 65 100
 67 51.0 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX002699.D
 Acq: 19 Jun 2018 01:01

Tgt Ion: 114 Resp: 300698
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 41.4
 88 15.1 0.0 30.0





#35

Dibromofluoromethane

Concen: 51.76 ug/l

RT: 5.51 min Scan# 808

Delta R.T. 0.01 min

Lab File: VX002699.D

Acq: 19 Jun 2018 01:01

Instrument :
MSVOA_X
ClientSampled :

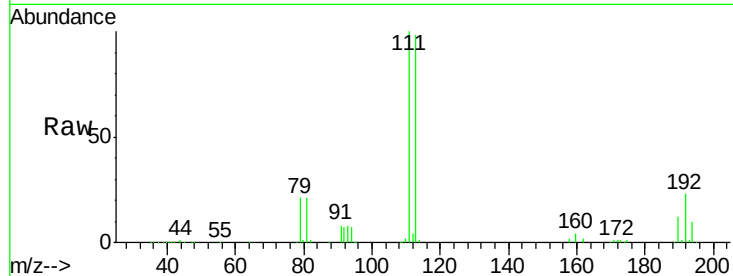
Tot Ion:113 Resp: 124210

Ion Ratio Lower Upper

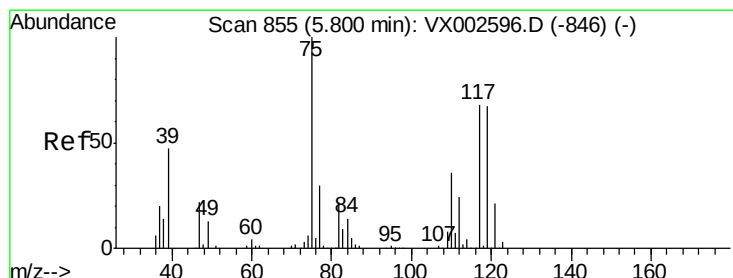
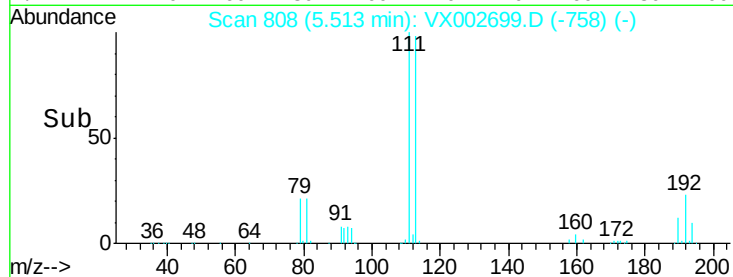
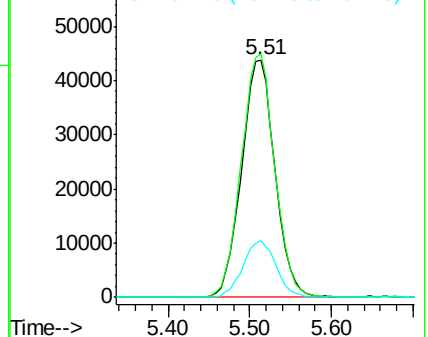
113 100

111 102.9 81.4 122.0

192 23.7 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: 4.48 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.13 min

Lab File: VX002699.D

Acq: 19 Jun 2018 01:01

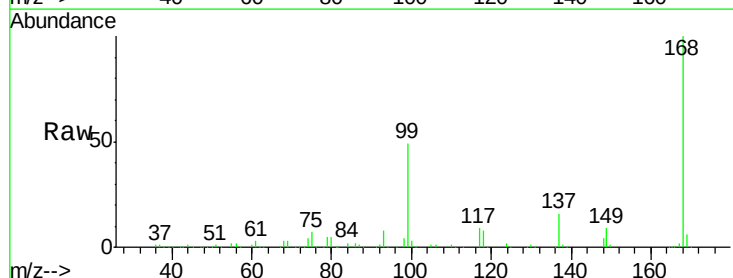
Tgt Ion: 75 Resp: 14293

Ion Ratio Lower Upper

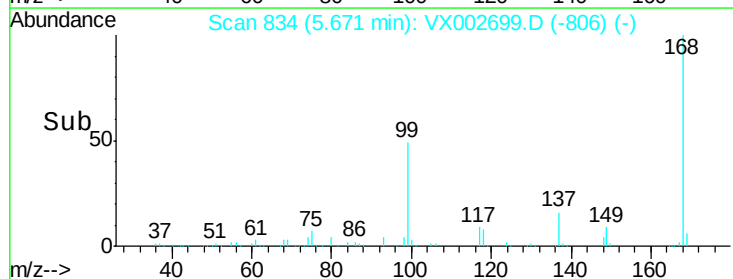
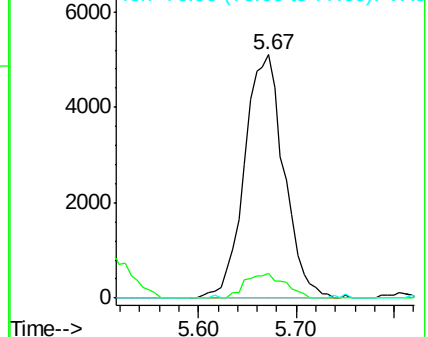
75 100

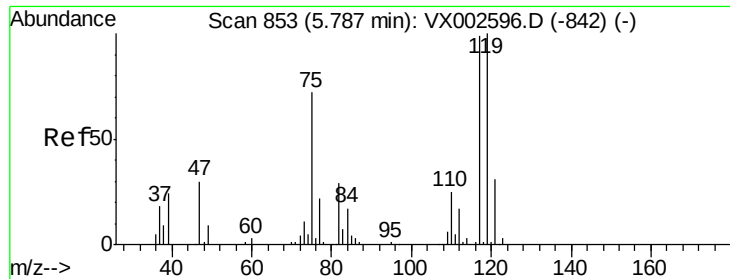
110 10.1 18.1 54.4#

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: 6.19 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX002699.D

Acq: 19 Jun 2018 01:01

Instrument :

MSVOA_X

ClientSampleId :

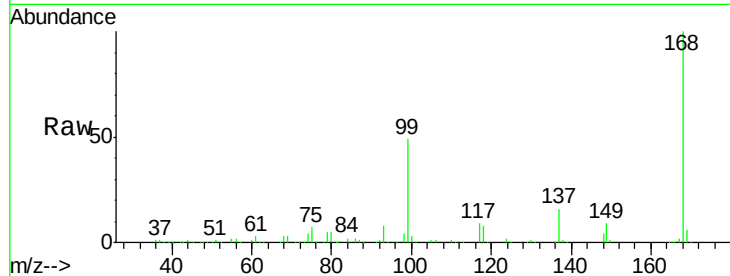
Tot Ion:117 Resp: 19693

Ion Ratio Lower Upper

117 100

119 4.8 77.4 116.0#

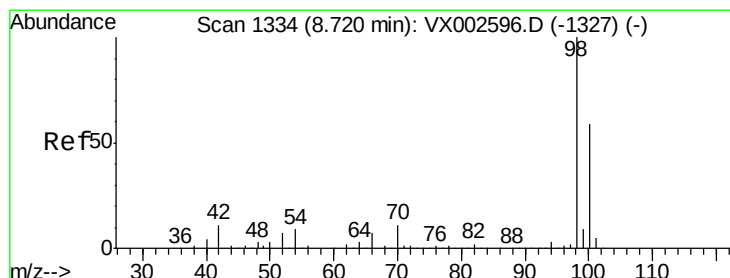
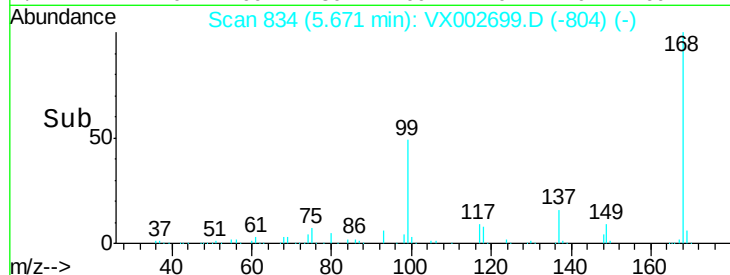
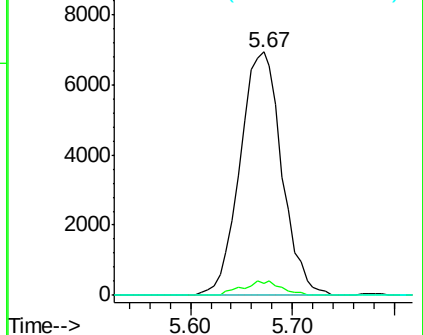
121 0.0 24.4 36.6#



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: 51.93 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX002699.D

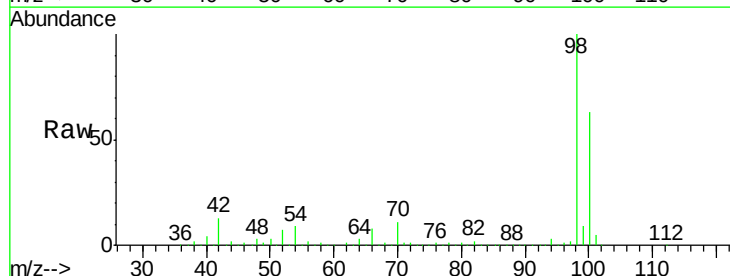
Acq: 19 Jun 2018 01:01

Tgt Ion: 98 Resp: 473238

Ion Ratio Lower Upper

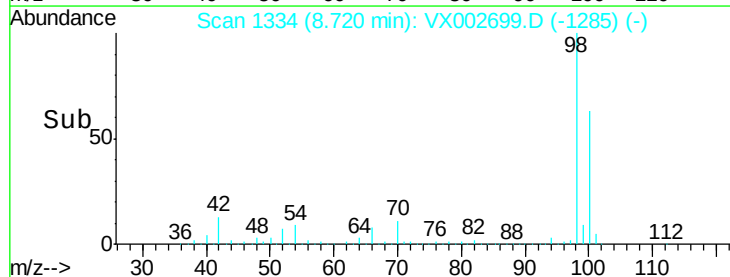
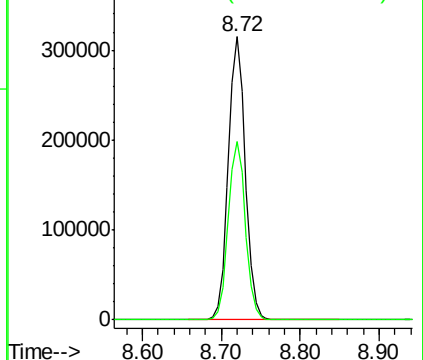
98 100

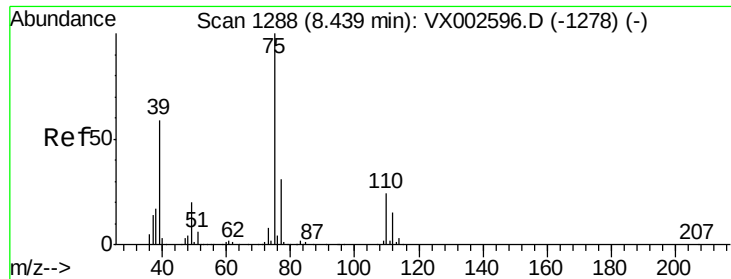
100 63.3 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

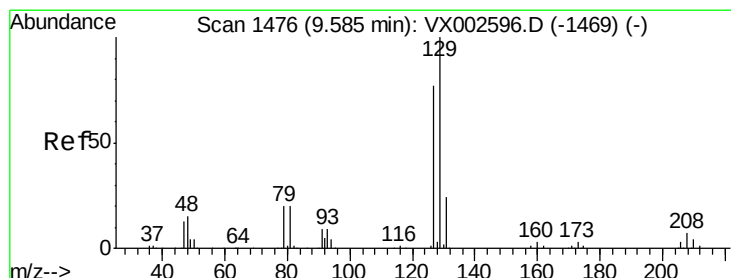
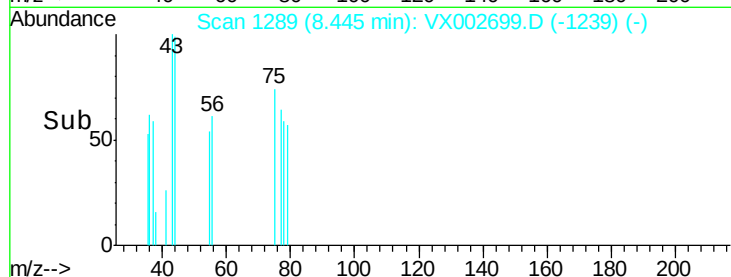
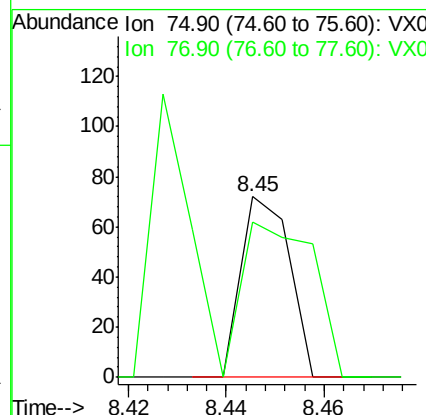
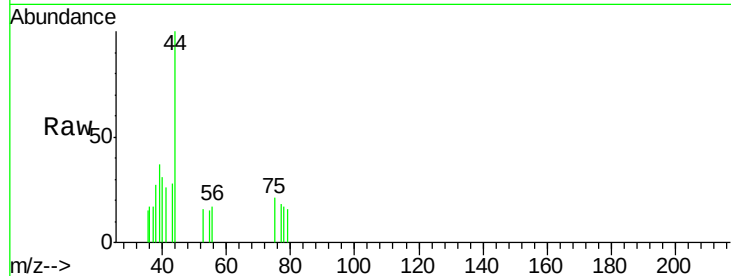




#53
t-1,3-Dichloropropene
Concen: 2.41 ug/l
RT: 8.45 min Scan# 1289
Delta R.T. 0.01 min
Lab File: VX002699.D
Acq: 19 Jun 2018 01:01

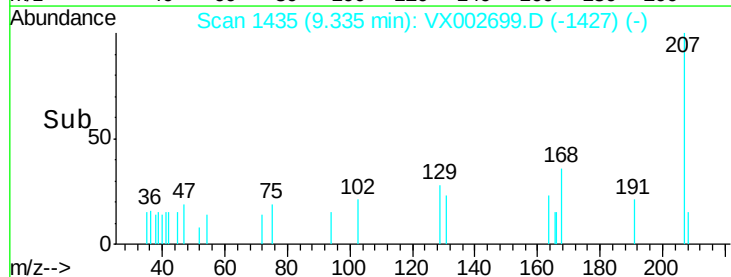
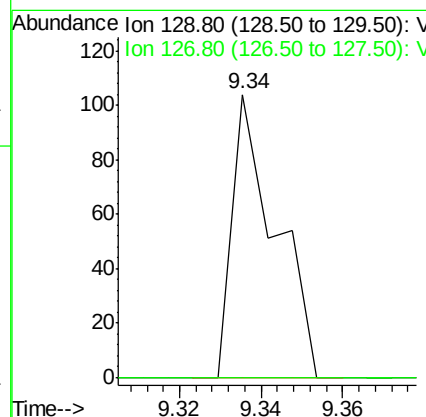
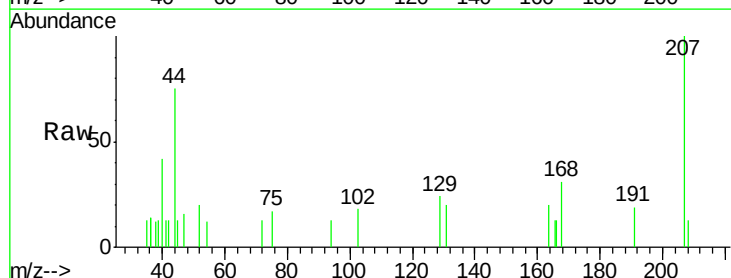
Instrument :
MSVOA_X
ClientSampled :

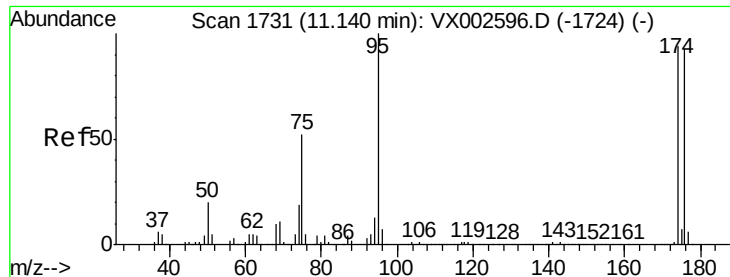
Tot Ion: 75 Resp: 49
Ion Ratio Lower Upper
75 100
77 86.1 25.4 38.2#



#60
Dibromochloromethane
Concen: 3.79 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.25 min
Lab File: VX002699.D
Acq: 19 Jun 2018 01:01

Tgt Ion:129 Resp: 76
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.3#





#62

4-Bromofluorobenzene

Concen: 45.11 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX002699.D

Acq: 19 Jun 2018 01:01

Instrument :

MSVOA_X

ClientSampleId :

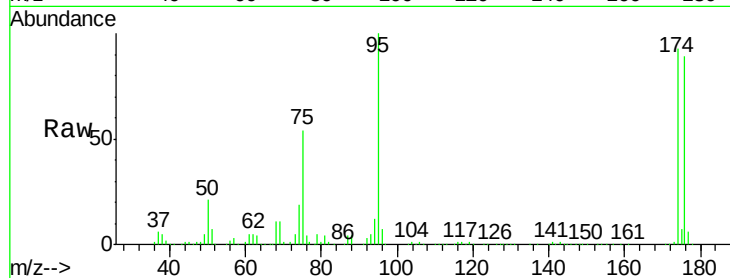
Tot Ion: 95 Resp: 155748

Ion Ratio Lower Upper

95 100

174 97.7 0.0 187.4

176 94.2 0.0 181.0

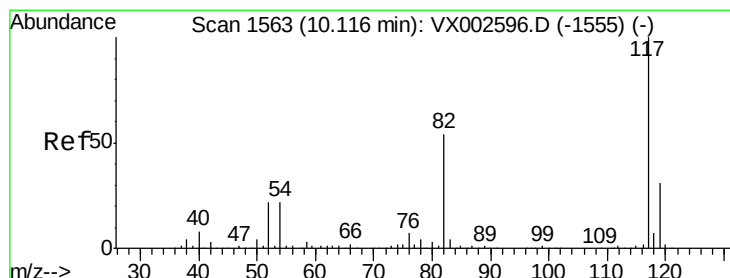
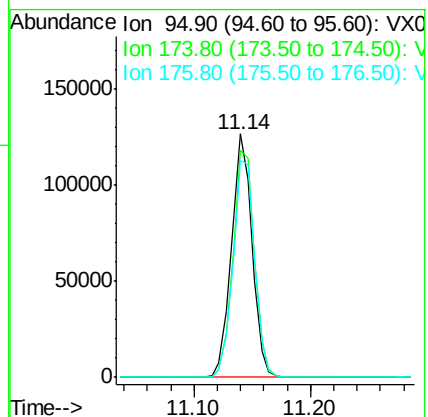
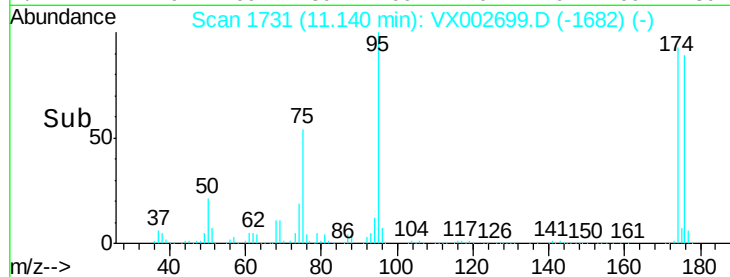


Abundance Ion 94.90 (94.60 to 95.60): VX002596.D (-1724) (-)

Ion 173.80 (173.50 to 174.50): VX002596.D (-1724) (-)

Ion 175.80 (175.50 to 176.50): VX002596.D (-1724) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VX002699.D

Acq: 19 Jun 2018 01:01

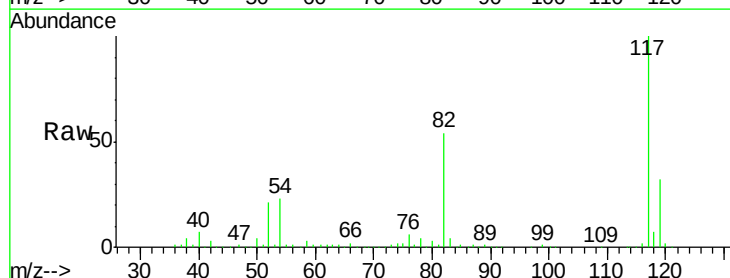
Tgt Ion: 117 Resp: 270513

Ion Ratio Lower Upper

117 100

82 54.0 45.0 67.4

119 32.2 25.8 38.6

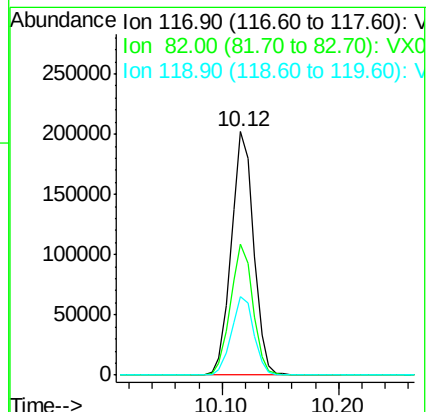
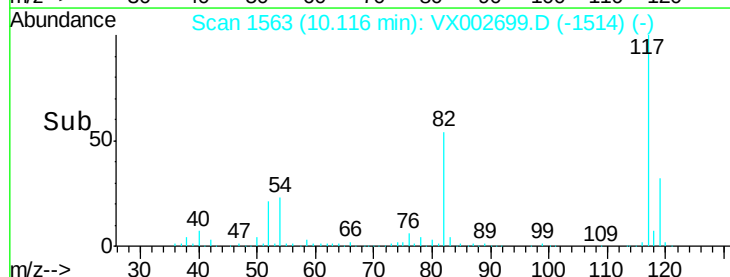


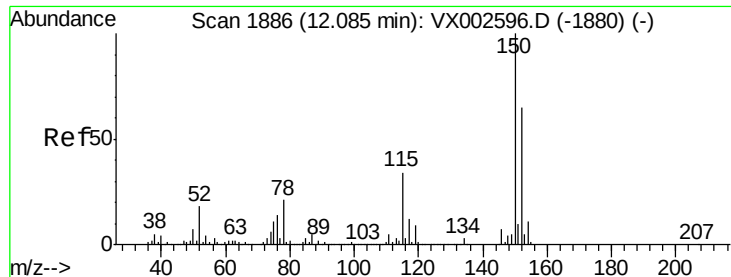
Abundance Ion 116.90 (116.60 to 117.60): VX002596.D (-1555) (-)

Ion 82.00 (81.70 to 82.70): VX002596.D (-1555) (-)

Ion 118.90 (118.60 to 119.60): VX002596.D (-1555) (-)

Time-->





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX002699.D

Acq: 19 Jun 2018 01:01

Instrument :

MSVOA_X

ClientSampleId :

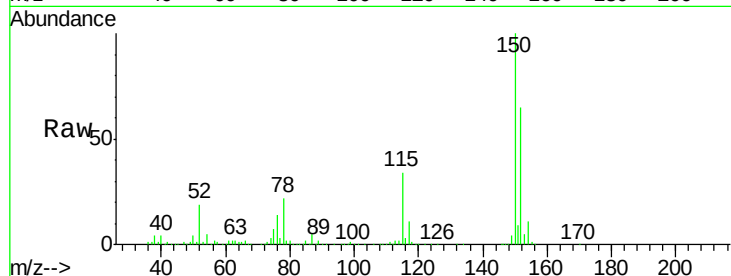
Tot Ion:152 Resp: 141814

Ion Ratio Lower Upper

152 100

115 54.5 40.1 120.2

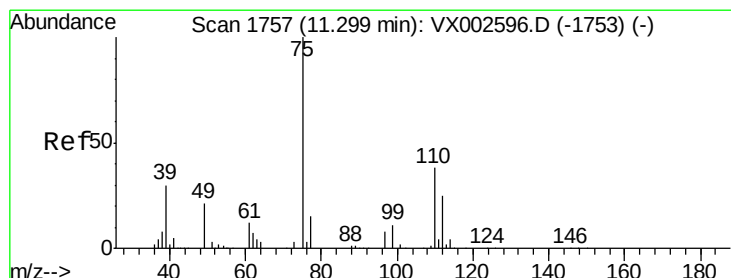
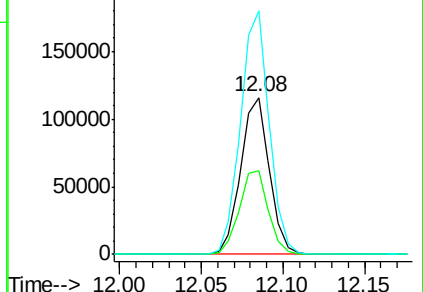
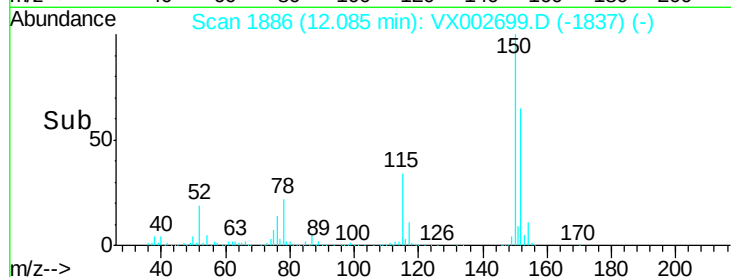
150 155.5 0.0 347.2



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: 31.43 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX002699.D

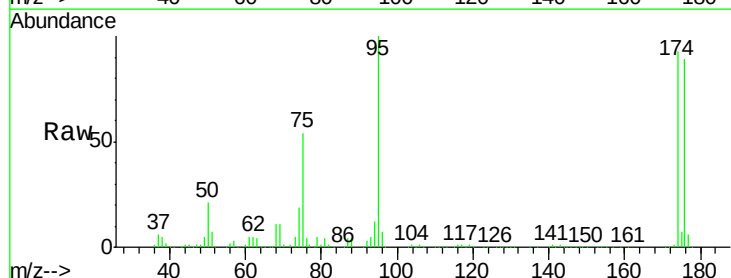
Acq: 19 Jun 2018 01:01

Tgt Ion: 75 Resp: 84105

Ion Ratio Lower Upper

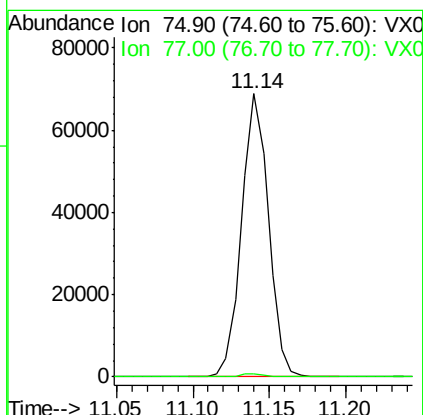
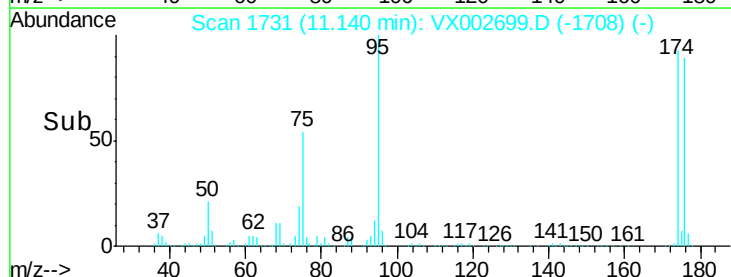
75 100

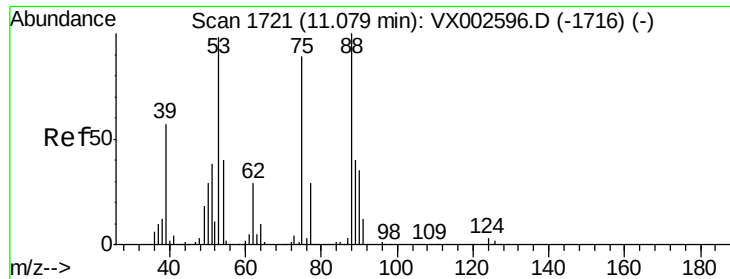
77 1.2 22.8 68.3#



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: 96.34 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX002699.D

Acq: 19 Jun 2018 01:01

Instrument :

MSVOA_X

ClientSampled :

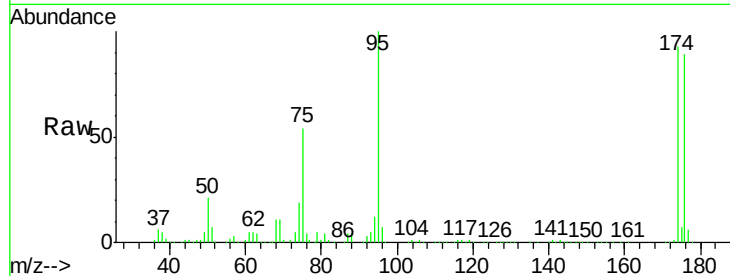
Tot Ion: 75 Resp: 84105

Ion Ratio Lower Upper

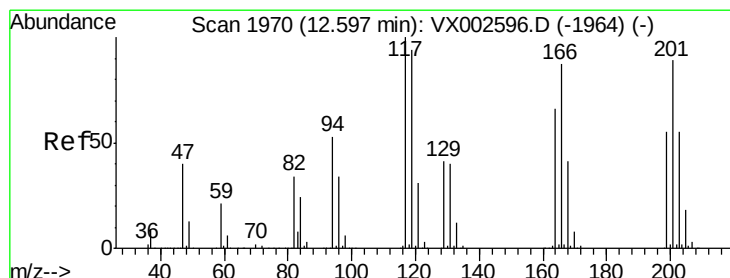
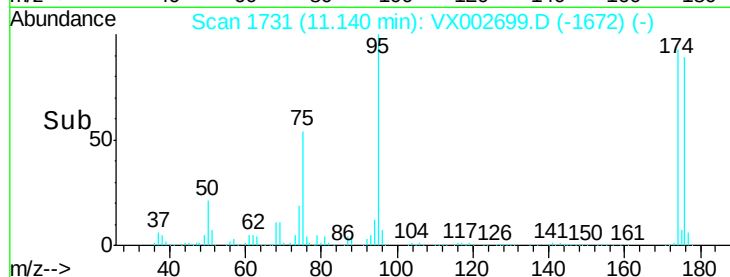
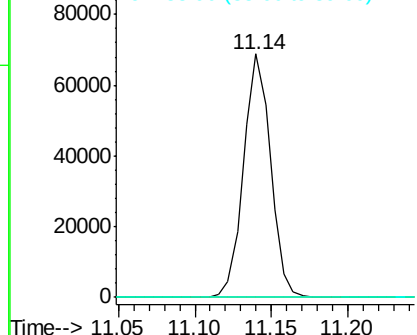
75 100

53 0.1 86.8 130.2#

89 0.0 38.2 57.2#



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



#90

Hexachloroethane

Concen: 2.65 ug/l

RT: 12.76 min Scan# 1996

Delta R.T. 0.16 min

Lab File: VX002699.D

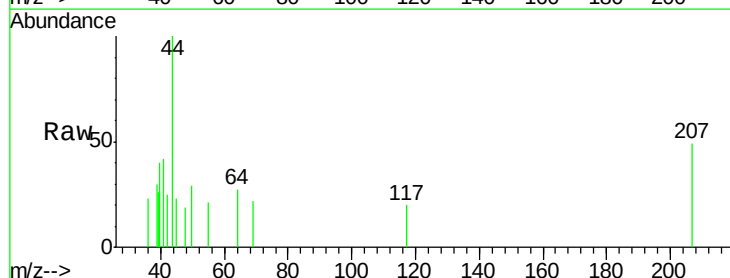
Acq: 19 Jun 2018 01:01

Tgt Ion: 117 Resp: 40

Ion Ratio Lower Upper

117 100

201 0.0 49.0 147.0#



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V

