

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061918\
 Data File : VX002720.D
 Acq On : 19 Jun 2018 18:31
 Operator : JC/MD
 Sample : J3516-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 20 01:03:54 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	213651	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	305333	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	282867	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	157668	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	162991	50.20	ug/l	0.00
Spiked Amount			Recovery	=	100.40%	
35) Dibromofluoromethane	5.51	113	127083	52.15	ug/l	0.00
Spiked Amount			Recovery	=	104.30%	
50) Toluene-d8	8.72	98	484531	52.37	ug/l	0.00
Spiked Amount			Recovery	=	104.74%	
62) 4-Bromofluorobenzene	11.14	95	167162	47.68	ug/l	0.00
Spiked Amount			Recovery	=	95.36%	

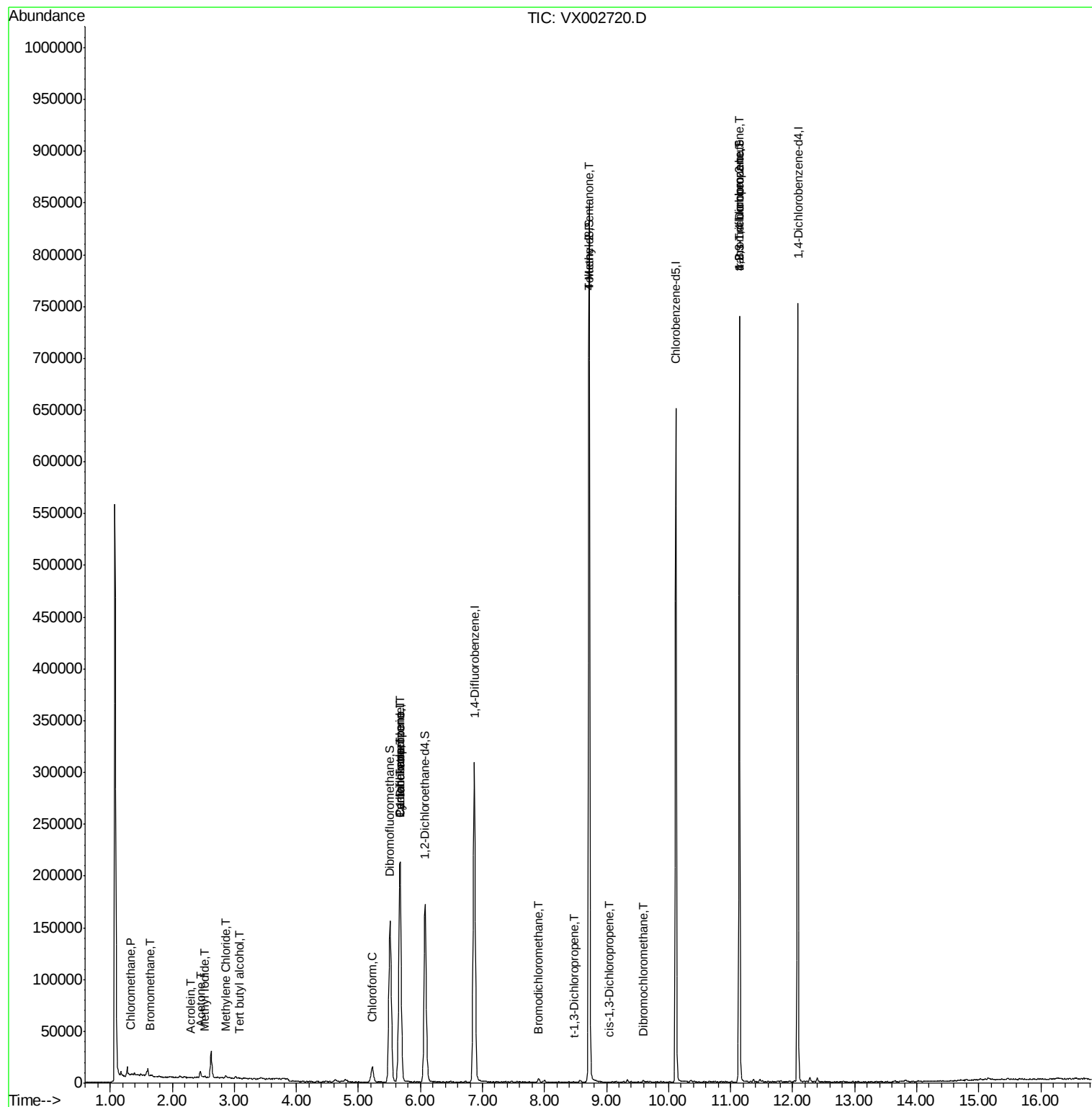
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	620	0.23	ug/l	91
5) Bromomethane	1.65	94	1446	0.86	ug/l	94
10) Methyl Iodide	2.52	142	1277	5.51	ug/l #	79
11) Tert butyl alcohol	3.07	59	568	0.85	ug/l #	76
13) Acrolein	2.29	56	112	7.21	ug/l #	1
16) Acetone	2.45	43	6961	4.86	ug/l	94
20) Methylene Chloride	2.85	84	813	0.28	ug/l #	73
30) Chloroform	5.23	83	15637	3.48	ug/l	100
31) Cyclohexane	5.67	56	4717	1.23	ug/l #	24
36) 1,1-Dichloropropene	5.67	75	14748	4.55	ug/l #	50
38) Carbon Tetrachloride	5.67	117	19767	6.12	ug/l #	15
47) Bromodichloromethane	7.91	83	1775	0.59	ug/l	88
51) 4-Methyl-2-Pentanone	8.71	43	2311	0.59	ug/l #	1
53) t-1,3-Dichloropropene	8.48	75	20	2.40	ug/l #	43
54) cis-1,3-Dichloropropene	9.05	75	29	3.22	ug/l #	1
60) Dibromochloromethane	9.59	129	160	3.81	ug/l	70
76) 1,2,3-Trichloropropane	11.14	75	88575	29.77	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.14	75	88575	91.47	ug/l #	6

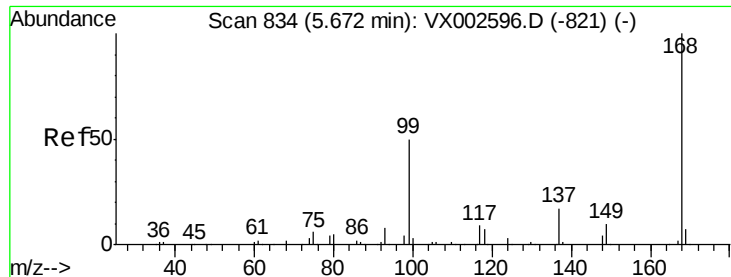
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX002720.D

Acq: 19 Jun 2018 18:31

Instrument :

MSVOA_X

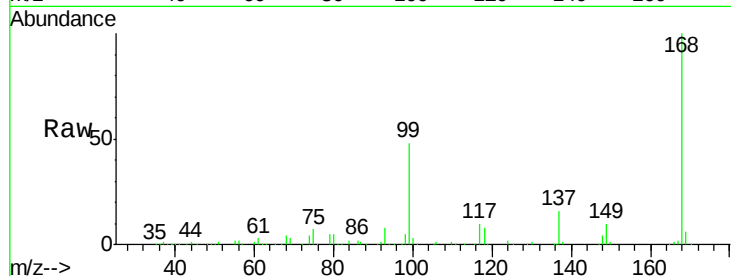
ClientSampleId :

Tot Ion:168 Resp: 213651

Ion Ratio Lower Upper

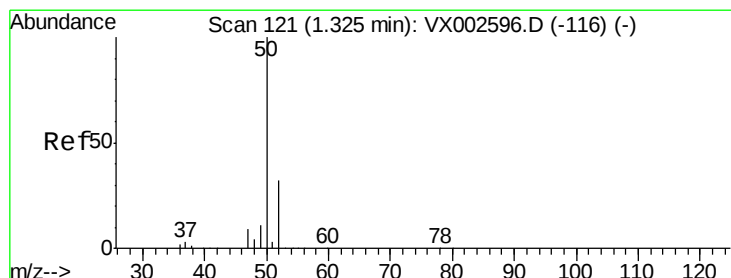
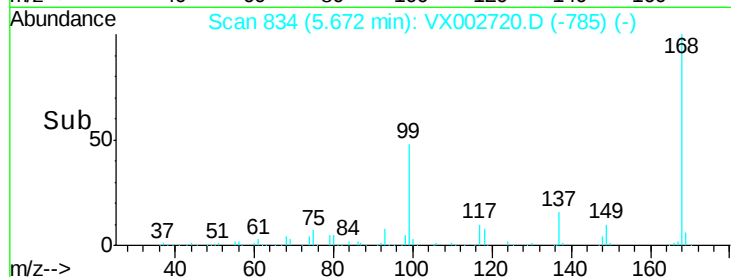
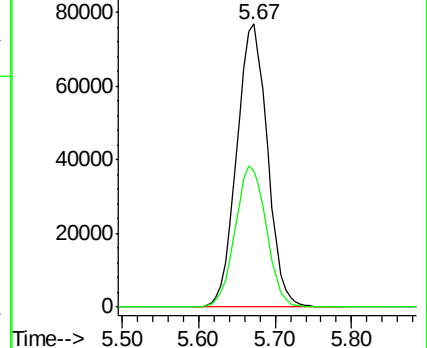
168 100

99 48.3 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: VX002720.D

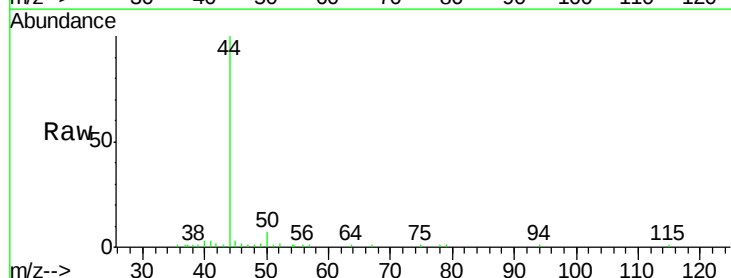
Acq: 19 Jun 2018 18:31

Tgt Ion: 50 Resp: 620

Ion Ratio Lower Upper

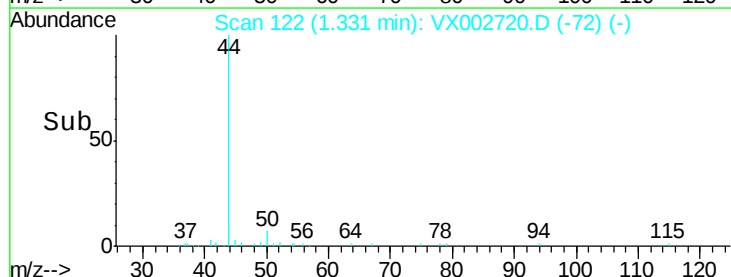
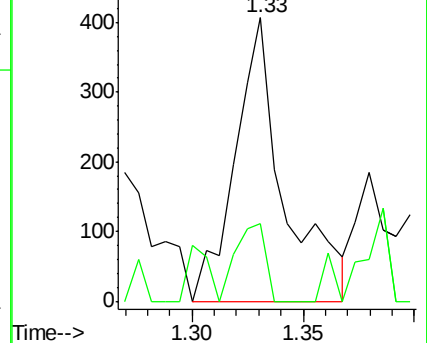
50 100

52 27.3 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: 0.86 ug/l

RT: 1.65 min Scan# 175

Delta R.T. 0.02 min

Lab File: VX002720.D

Acq: 19 Jun 2018 18:31

Instrument :

MSVOA_X

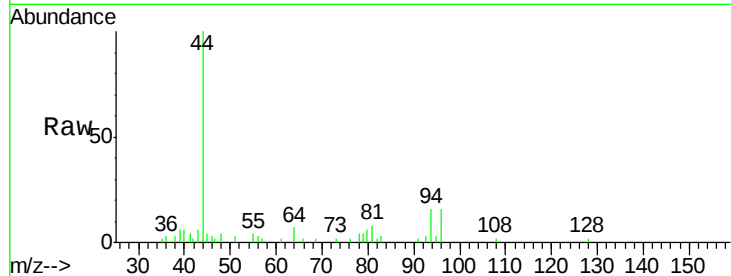
ClientSampled :

Tot Ion: 94 Resp: 1446

Ion Ratio Lower Upper

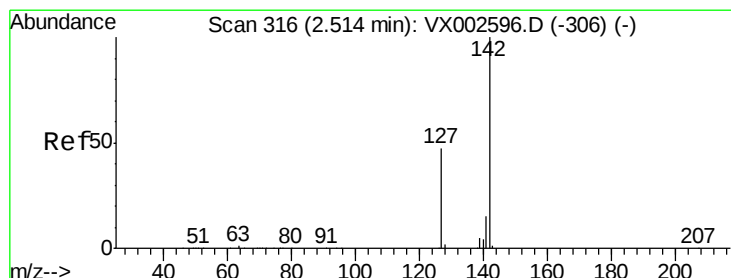
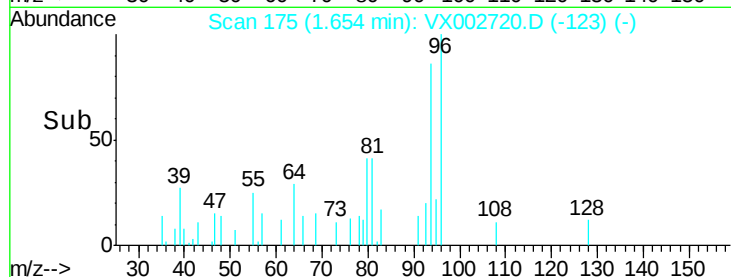
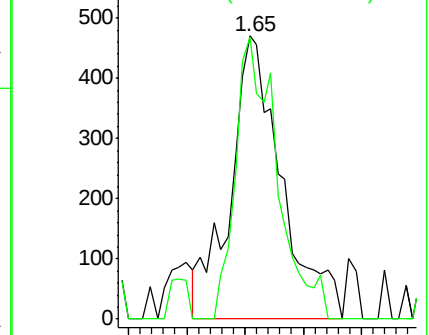
94 100

96 99.6 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: 5.51 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX002720.D

Acq: 19 Jun 2018 18:31

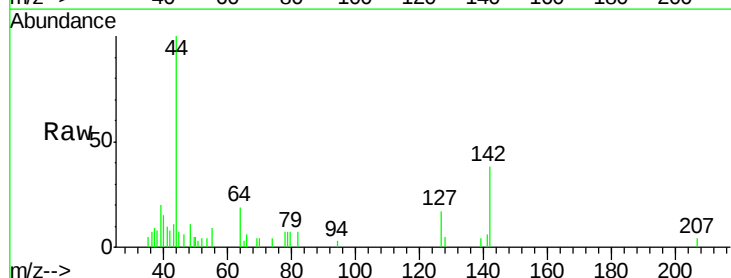
Tgt Ion:142 Resp: 1277

Ion Ratio Lower Upper

142 100

127 63.6 36.6 55.0#

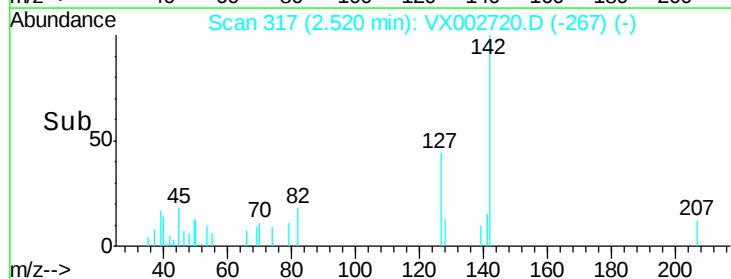
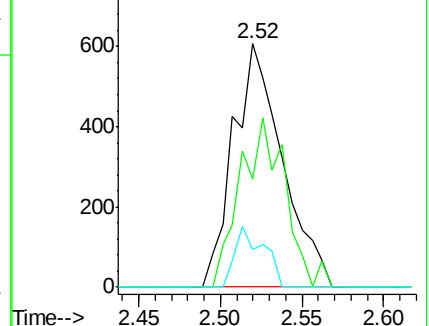
141 14.5 11.3 16.9

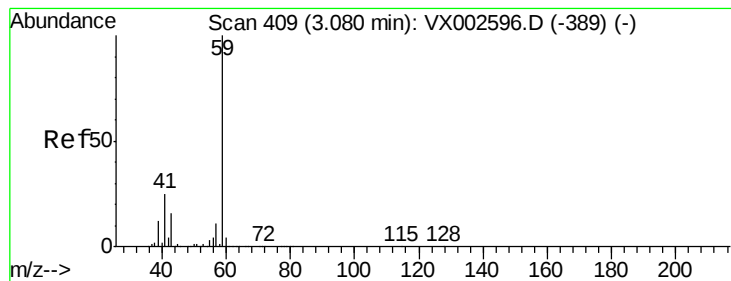


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



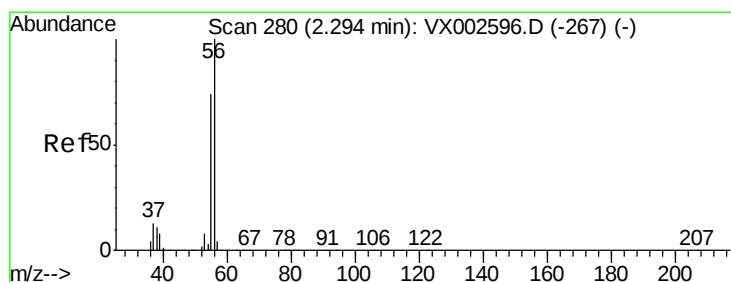
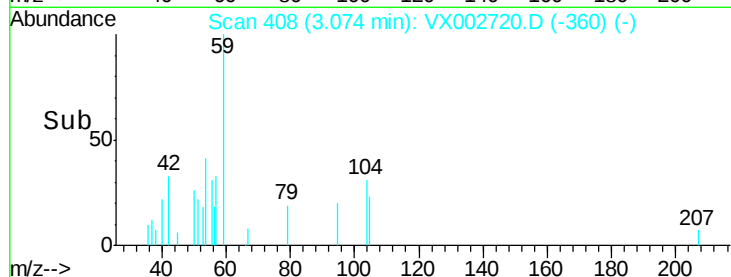
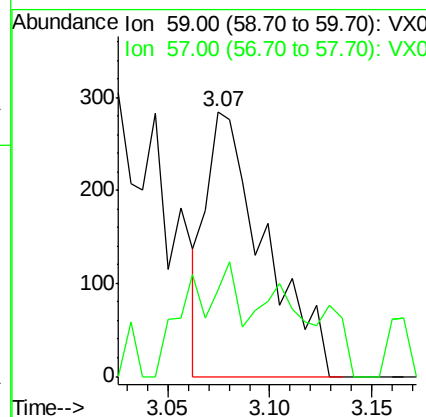
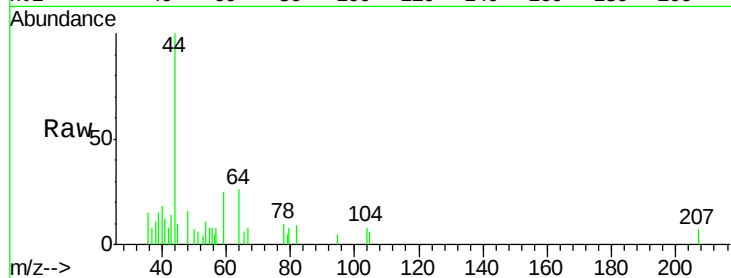


#11

Tert butyl alcohol
 Concen: 0.85 ug/l
 RT: 3.07 min Scan# 408
 Delta R.T. -0.01 min
 Lab File: VX002720.D
 Acq: 19 Jun 2018 18:31

Instrument :
 MSVOA_X
 ClientSampled :

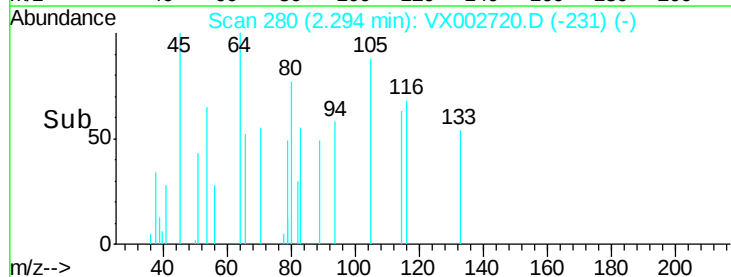
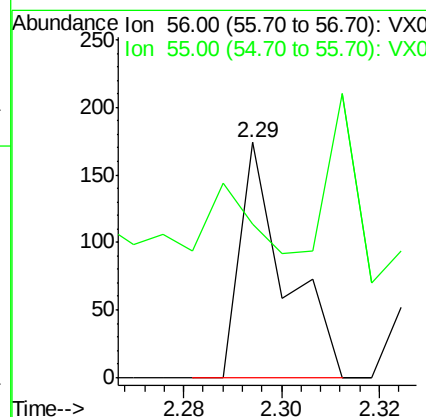
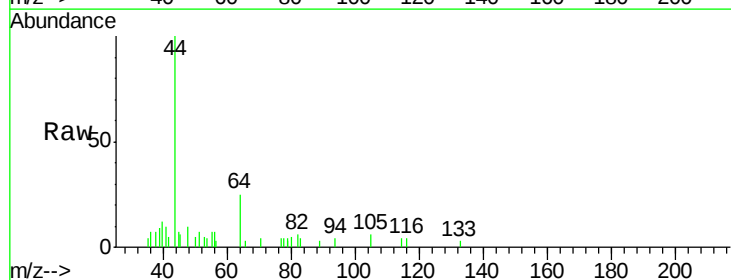
Tot Ion: 59 Resp: 568
 Ion Ratio Lower Upper
 59 100
 57 19.0 8.2 12.2#

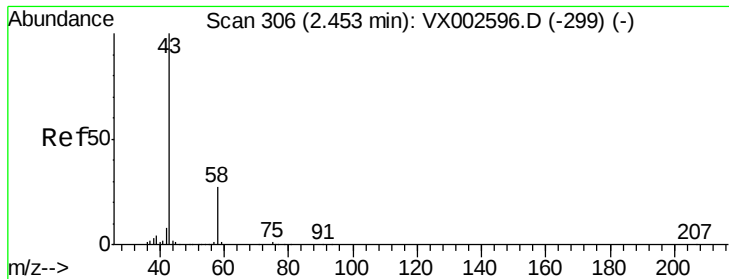


#13

Acrolein
 Concen: 7.21 ug/l
 RT: 2.29 min Scan# 280
 Delta R.T. 0.00 min
 Lab File: VX002720.D
 Acq: 19 Jun 2018 18:31

Tgt Ion: 56 Resp: 112
 Ion Ratio Lower Upper
 56 100
 55 177.7 57.0 85.4#





#16

Acetone

Concen: 4.86 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.00 min

Lab File: VX002720.D

Acq: 19 Jun 2018 18:31

Instrument :

MSVOA_X

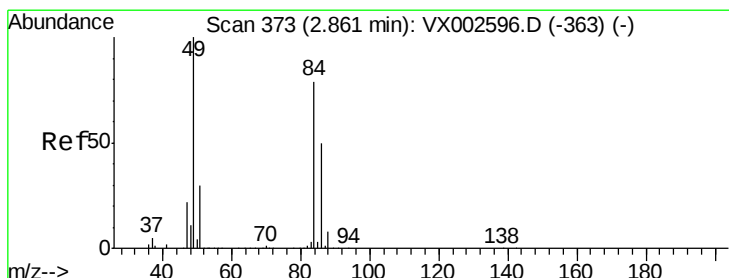
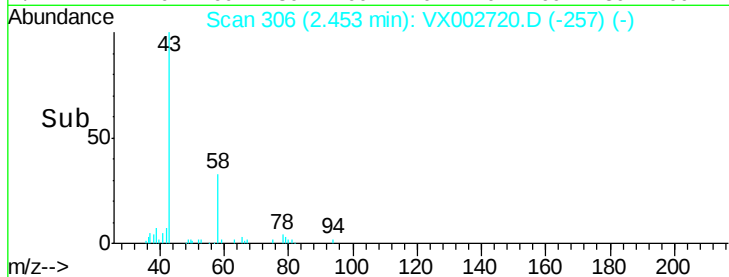
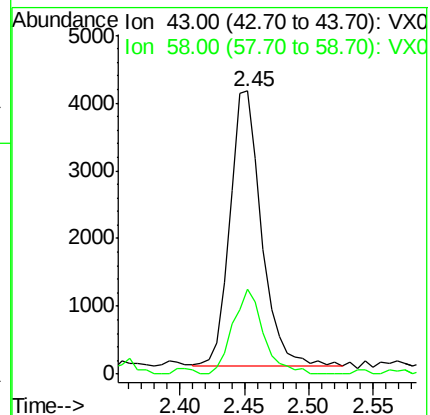
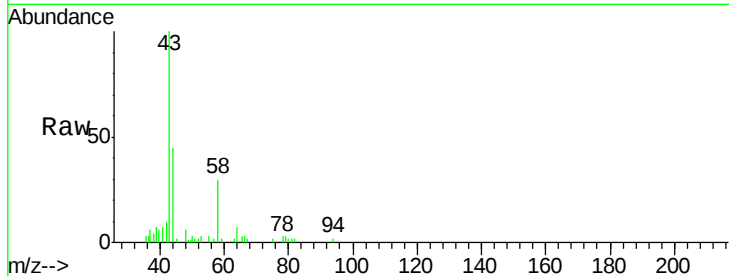
ClientSampleId :

Tot Ion: 43 Resp: 6961

Ion Ratio Lower Upper

43 100

58 30.7 22.1 33.1



#20

Methylene Chloride

Concen: 0.28 ug/l

RT: 2.85 min Scan# 372

Delta R.T. -0.01 min

Lab File: VX002720.D

Acq: 19 Jun 2018 18:31

Tgt Ion: 84 Resp: 813

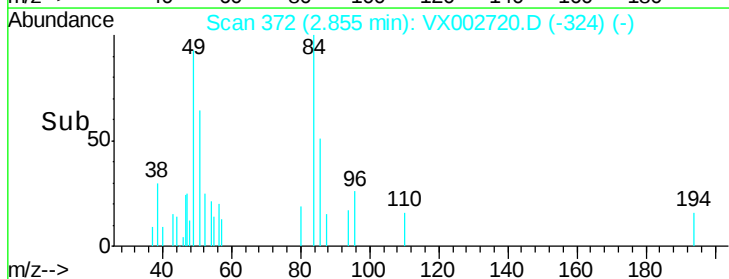
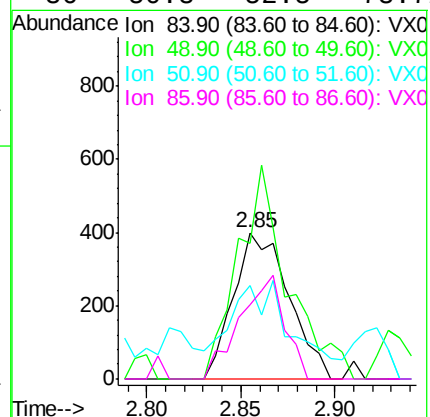
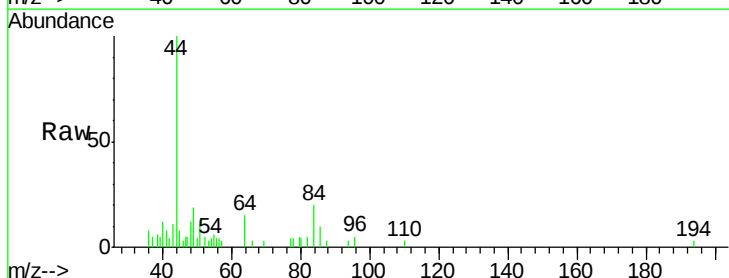
Ion Ratio Lower Upper

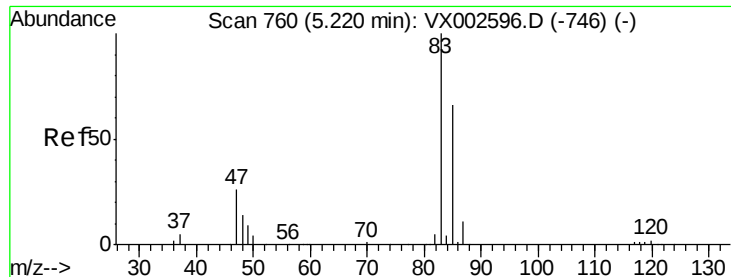
84 100

49 93.0 107.8 161.6#

51 51.0 32.8 49.2#

86 50.8 52.5 78.7#

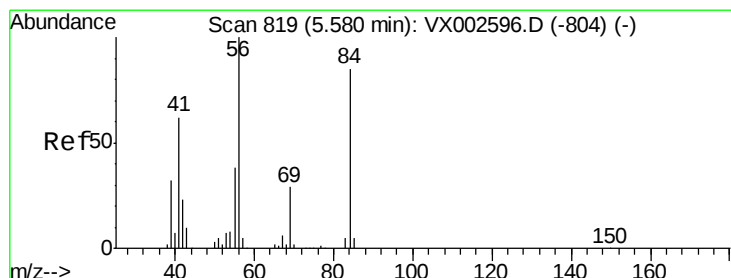
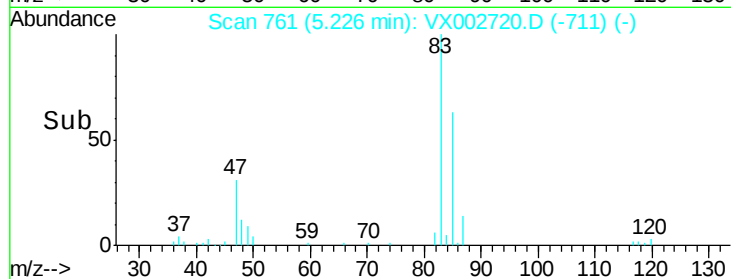
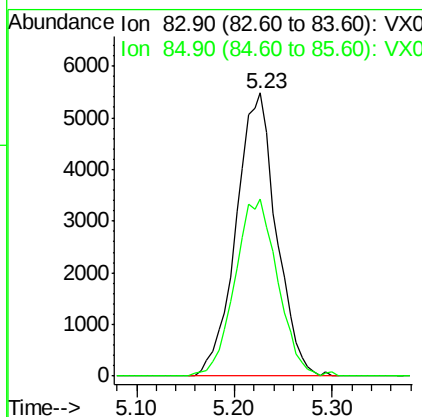
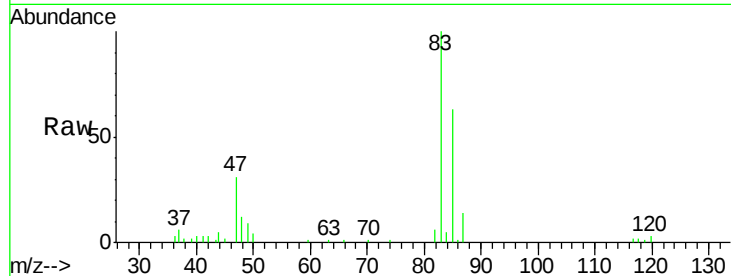




#30
Chloroform
Concen: 3.48 ug/l
RT: 5.23 min Scan# 761
Delta R.T. 0.01 min
Lab File: VX002720.D
Acq: 19 Jun 2018 18:31

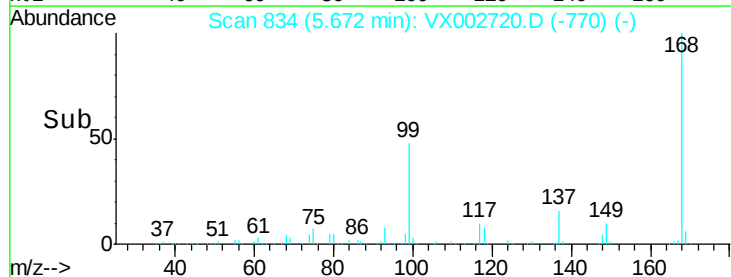
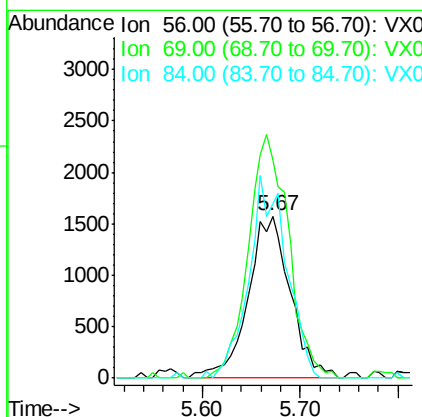
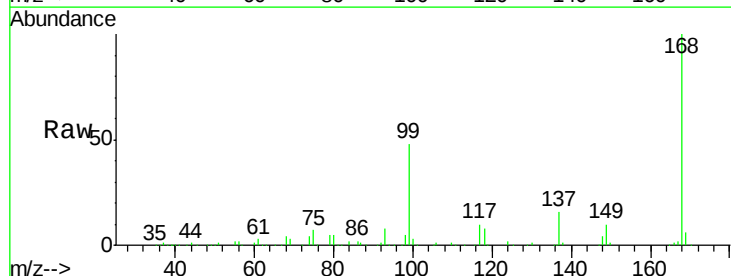
Instrument :
MSVOA_X
ClientSampleId :

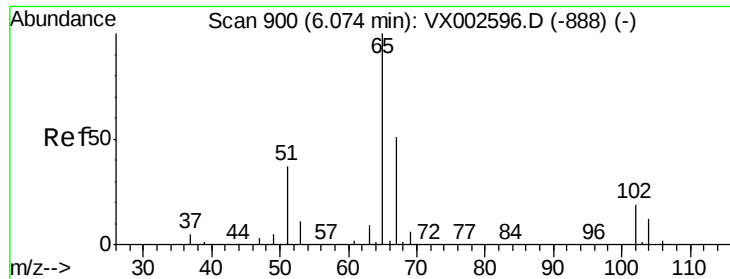
Tot Ion: 83 Resp: 15637
Ion Ratio Lower Upper
83 100
85 62.7 50.4 75.6



#31
Cyclohexane
Concen: 1.23 ug/l
RT: 5.67 min Scan# 834
Delta R.T. 0.09 min
Lab File: VX002720.D
Acq: 19 Jun 2018 18:31

Tgt Ion: 56 Resp: 4717
Ion Ratio Lower Upper
56 100
69 134.8 23.7 35.5#
84 108.0 64.1 96.1#

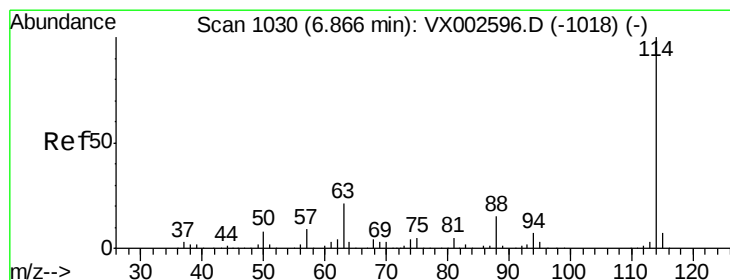
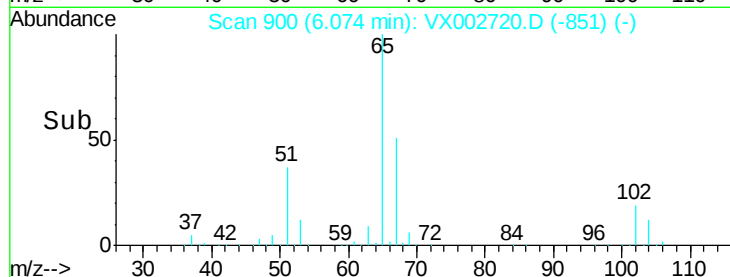
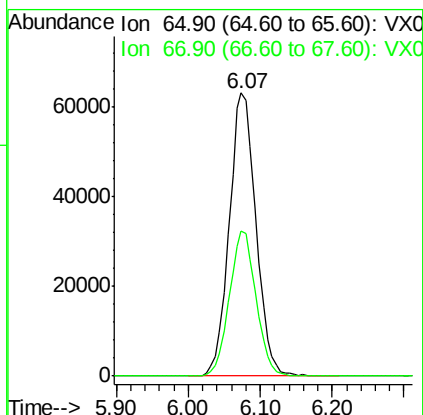
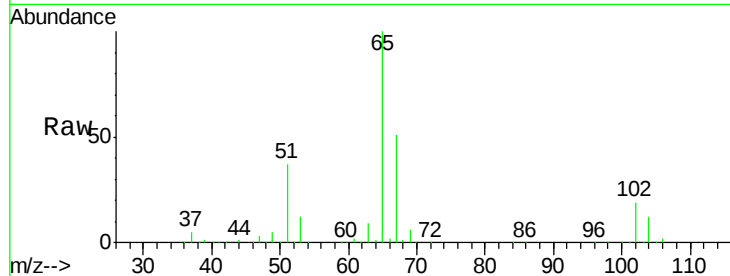




#33
 1,2-Dichloroethane-d4
 Concen: 50.20 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX002720.D
 Acq: 19 Jun 2018 18:31

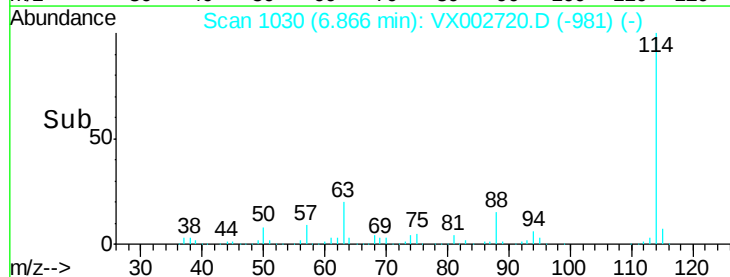
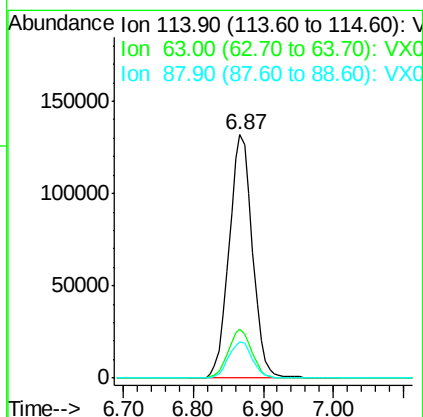
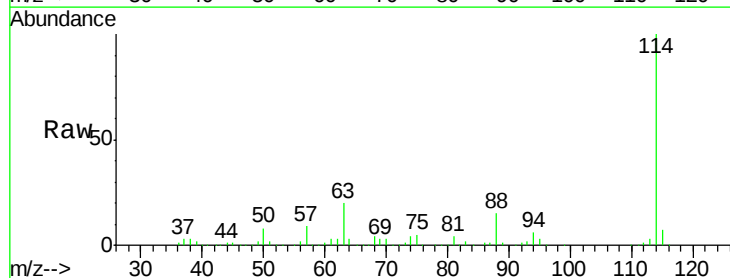
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 ClientSampleId :

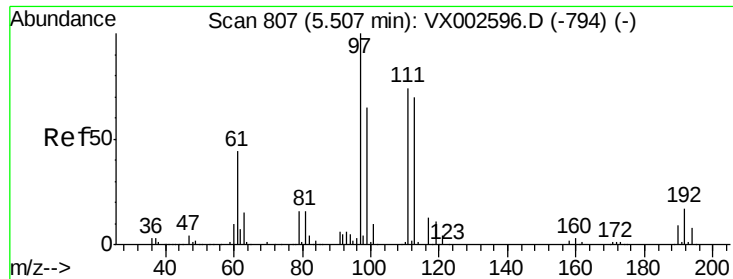
Tot Ion: 65 Resp: 162991
 Ion Ratio Lower Upper
 65 100
 67 50.9 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX002720.D
 Acq: 19 Jun 2018 18:31

Tgt Ion: 114 Resp: 305333
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 41.4
 88 15.1 0.0 30.0

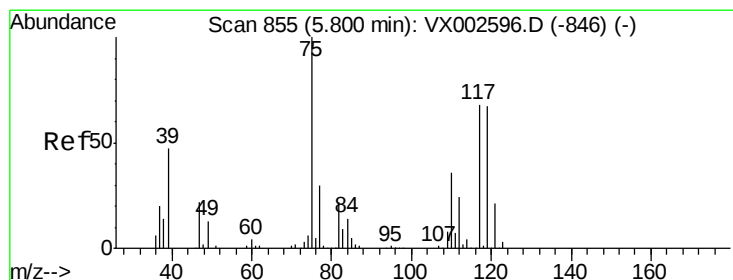
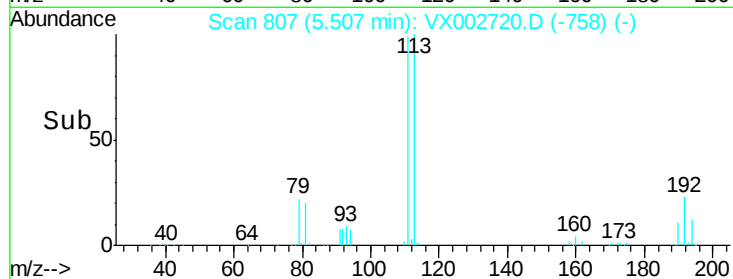
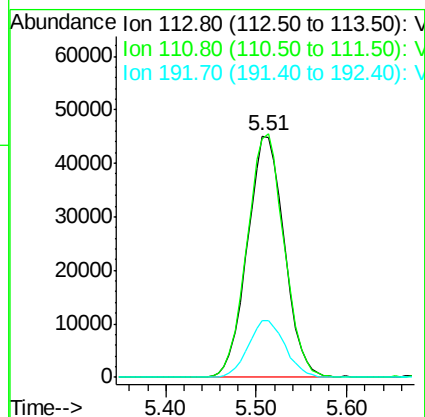
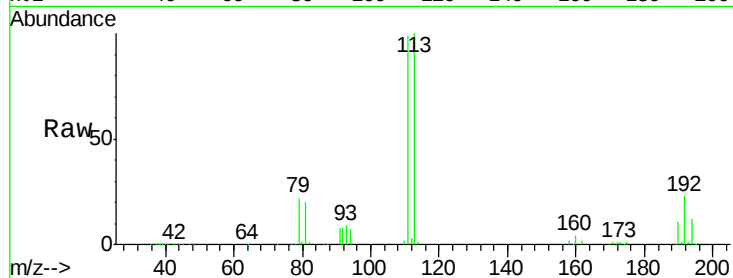




#35
 Dibromofluoromethane
 Concen: 52.15 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. 0.00 min
 Lab File: VX002720.D
 Acq: 19 Jun 2018 18:31

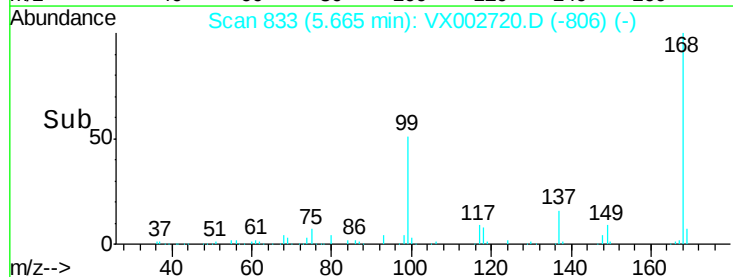
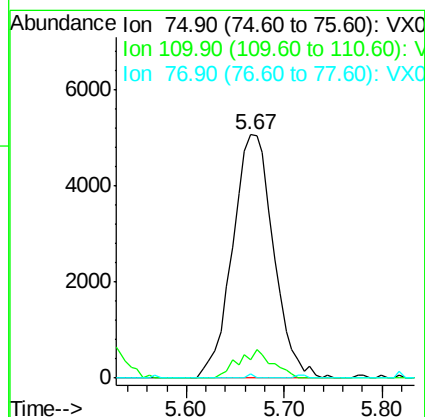
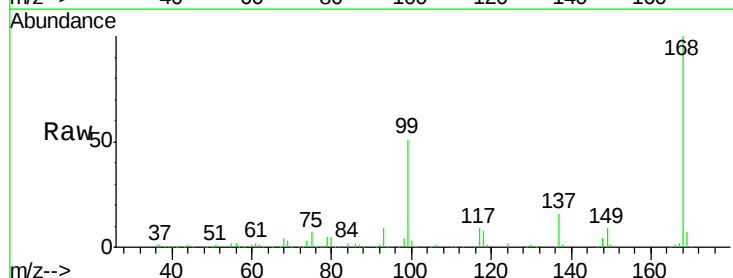
Instrument :
 MSVOA_X
 ClientSampled :

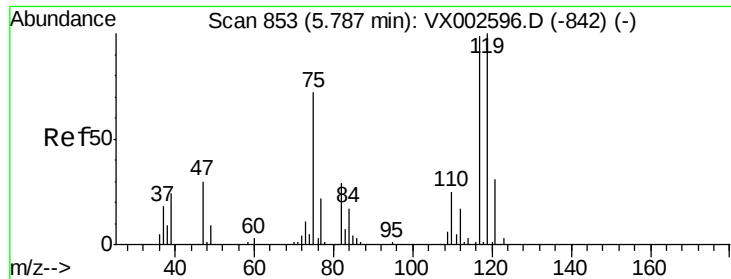
Tot Ion:113 Resp: 127083
 Ion Ratio Lower Upper
 113 100
 111 101.4 81.4 122.0
 192 23.6 19.1 28.7



#36
 1,1-Dichloropropene
 Concen: 4.55 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.13 min
 Lab File: VX002720.D
 Acq: 19 Jun 2018 18:31

Tgt Ion: 75 Resp: 14748
 Ion Ratio Lower Upper
 75 100
 110 9.6 18.1 54.4#
 77 0.2 24.3 36.5#





#38

Carbon Tetrachloride

Concen: 6.12 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

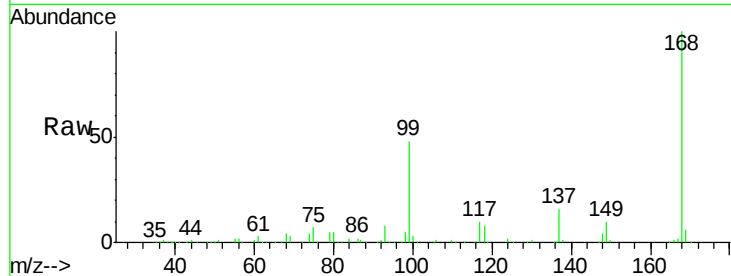
Lab File: VX002720.D

Acq: 19 Jun 2018 18:31

Instrument :

MSVOA_X

ClientSampleId :



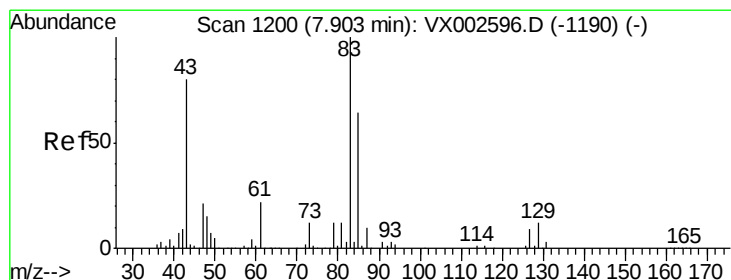
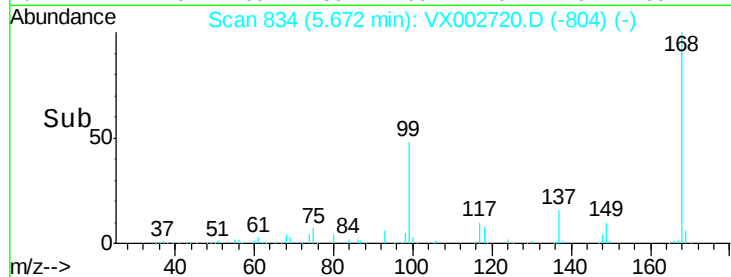
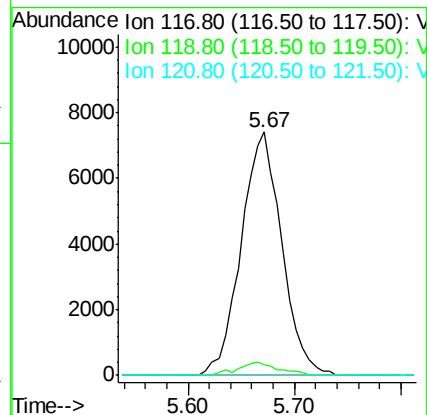
Tot Ion:117 Resp: 19767

Ion Ratio Lower Upper

117 100

119 4.5 77.4 116.0#

121 0.0 24.4 36.6#



#47

Bromodichloromethane

Concen: 0.59 ug/l

RT: 7.91 min Scan# 1201

Delta R.T. 0.01 min

Lab File: VX002720.D

Acq: 19 Jun 2018 18:31

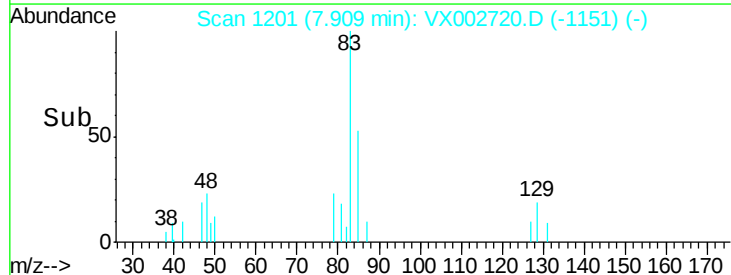
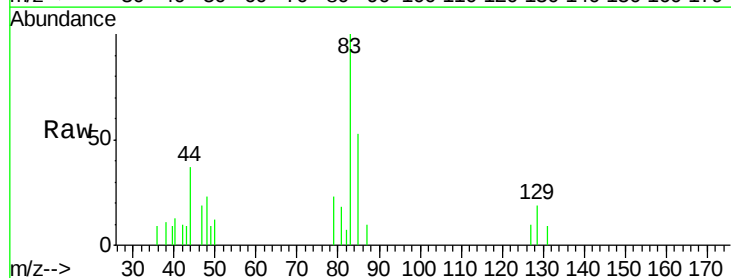
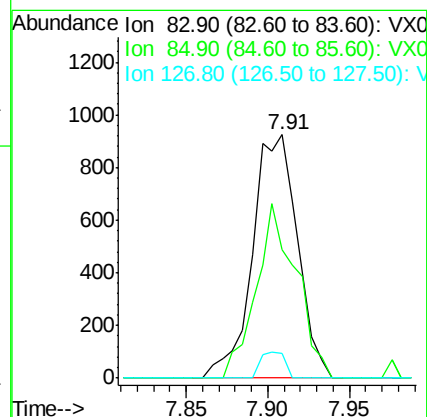
Tgt Ion: 83 Resp: 1775

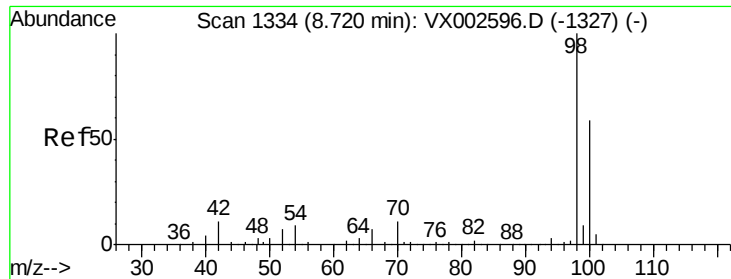
Ion Ratio Lower Upper

83 100

85 53.0 50.3 75.5

127 10.2 7.0 10.4

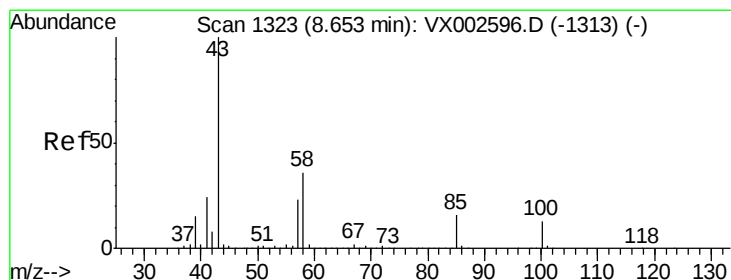
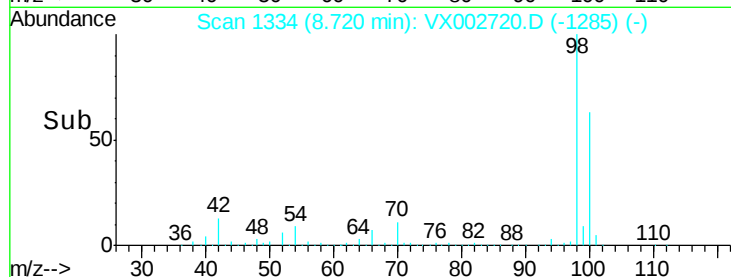
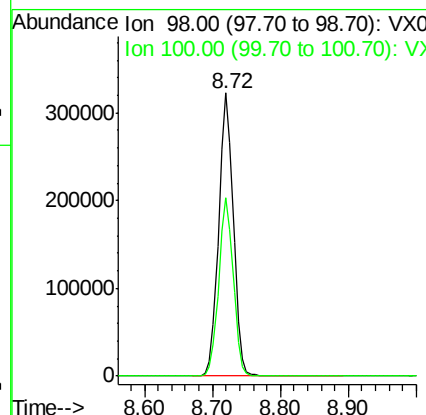
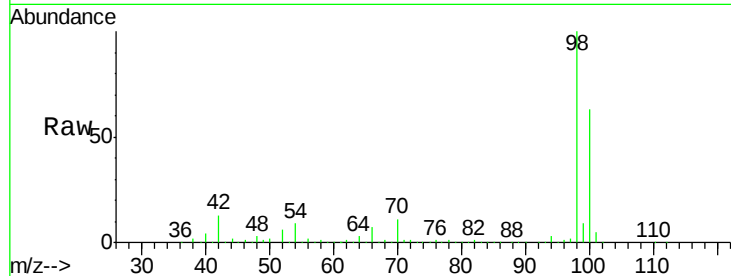




#50
Toluene-d8
Concen: 52.37 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX002720.D
Acq: 19 Jun 2018 18:31

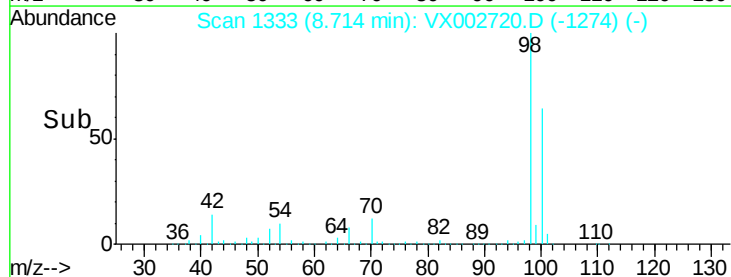
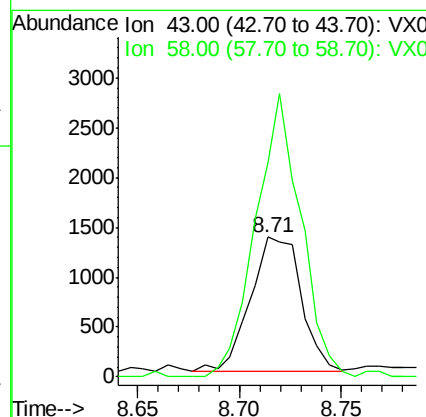
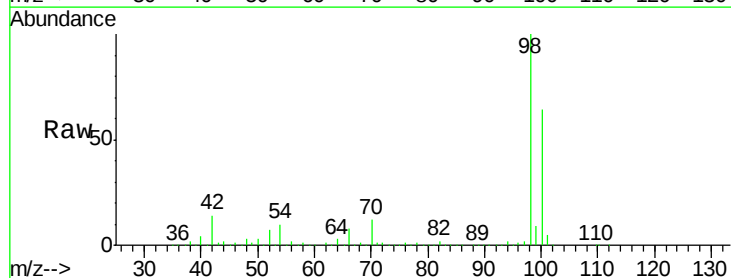
Instrument :
MSVOA_X
ClientSampleId :

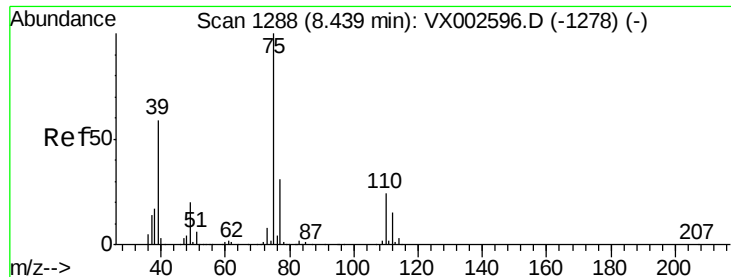
Tot Ion: 98 Resp: 484531
Ion Ratio Lower Upper
98 100
100 62.7 50.9 76.3



#51
4-Methyl-2-Pentanone
Concen: 0.59 ug/l
RT: 8.71 min Scan# 1333
Delta R.T. 0.06 min
Lab File: VX002720.D
Acq: 19 Jun 2018 18:31

Tgt Ion: 43 Resp: 2311
Ion Ratio Lower Upper
43 100
58 189.4 28.6 42.8#





#53

t-1,3-Dichloropropene

Concen: 2.40 ug/l

RT: 8.48 min Scan# 1294

Delta R.T. 0.04 min

Lab File: VX002720.D

Acq: 19 Jun 2018 18:31

Instrument :

MSVOA_X

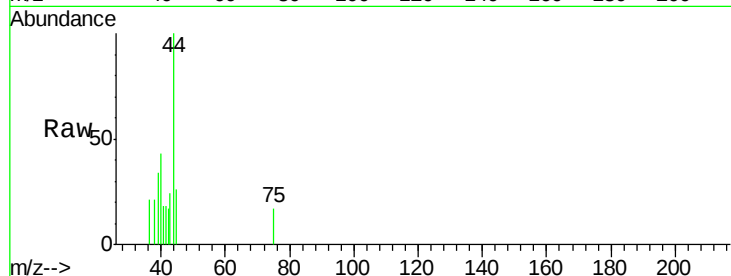
ClientSampled :

Tot Ion: 75 Resp: 20

Ion Ratio Lower Upper

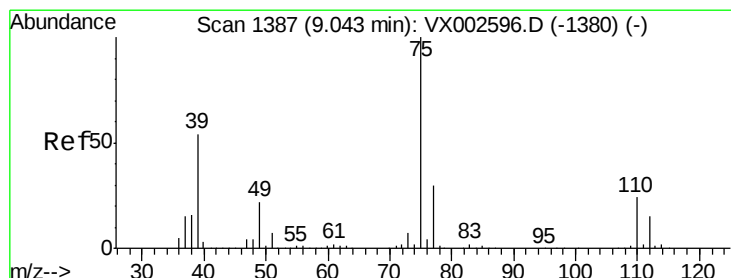
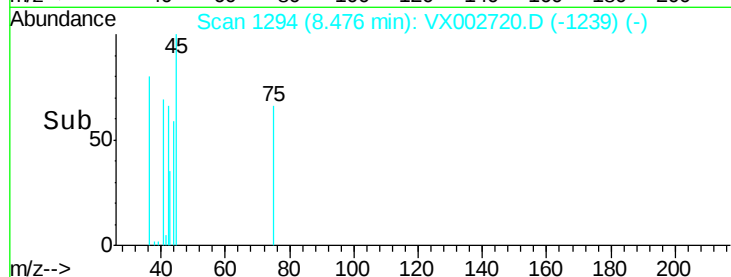
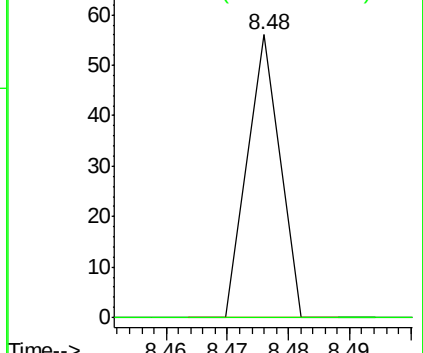
75 100

77 0.0 25.4 38.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#54

cis-1,3-Dichloropropene

Concen: 3.22 ug/l

RT: 9.05 min Scan# 1388

Delta R.T. 0.01 min

Lab File: VX002720.D

Acq: 19 Jun 2018 18:31

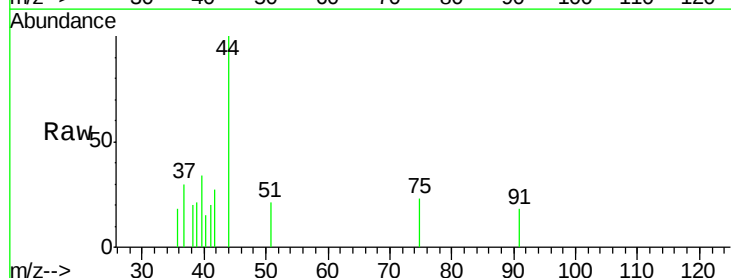
Tgt Ion: 75 Resp: 29

Ion Ratio Lower Upper

75 100

77 0.0 24.8 37.2#

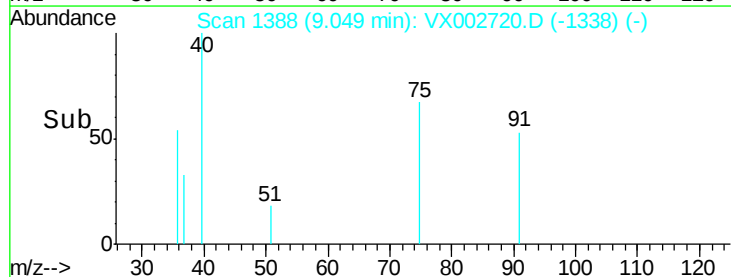
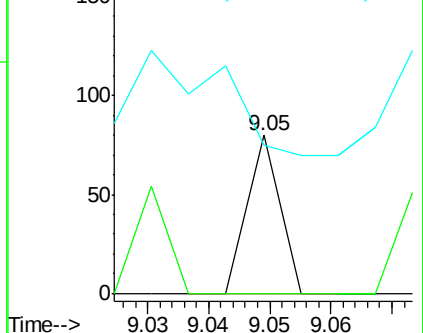
39 156.3 42.4 63.6#

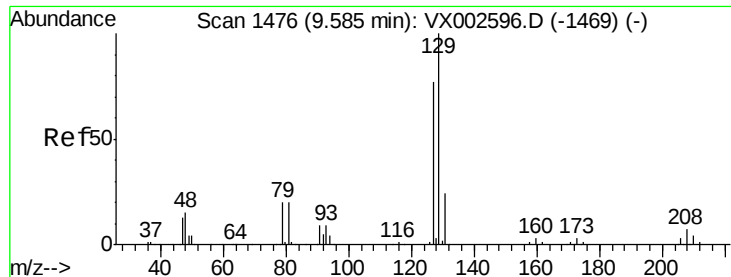


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0





#60

Dibromochloromethane

Concen: 3.81 ug/l

RT: 9.59 min Scan# 1476

Delta R.T. 0.00 min

Lab File: VX002720.D

Acq: 19 Jun 2018 18:31

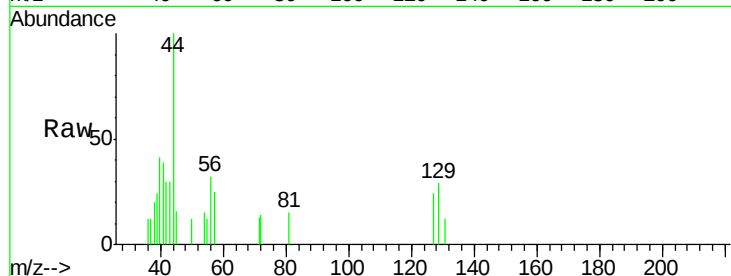
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:129 Resp: 160

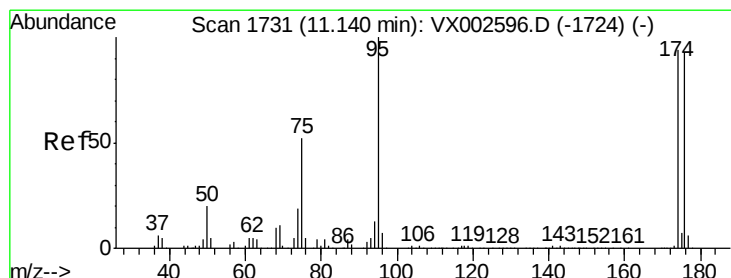
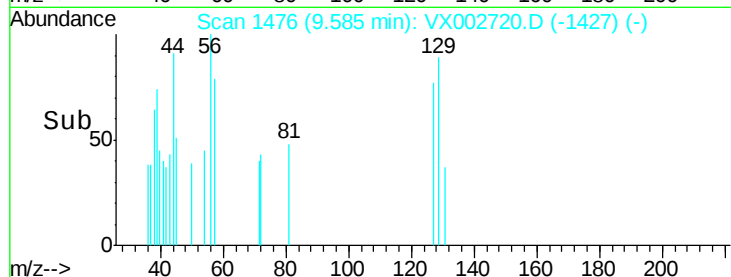
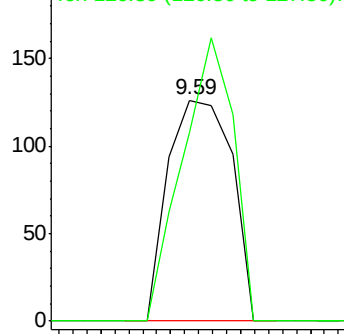
Ion Ratio Lower Upper

129 100

127 103.1 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: 47.68 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX002720.D

Acq: 19 Jun 2018 18:31

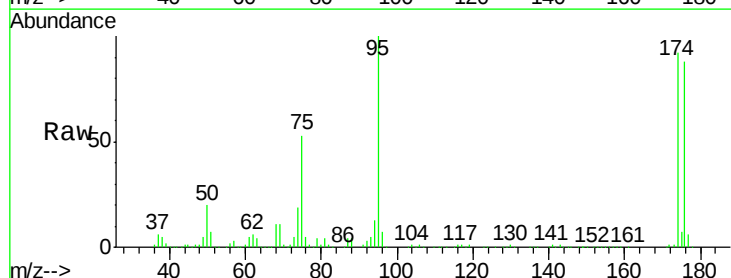
Tgt Ion: 95 Resp: 167162

Ion Ratio Lower Upper

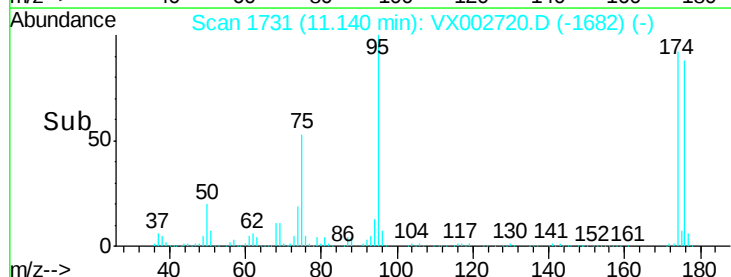
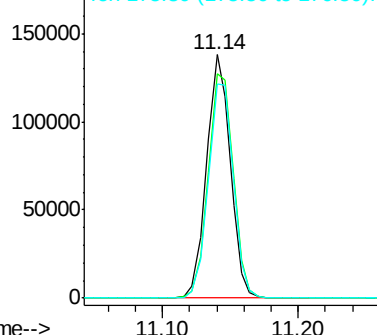
95 100

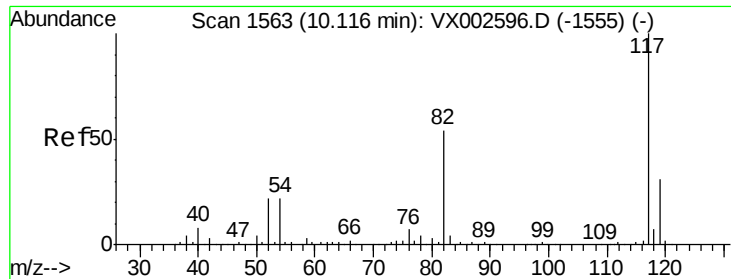
174 97.9 0.0 187.4

176 93.6 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

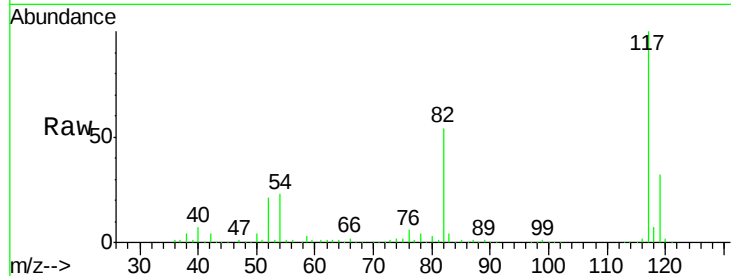




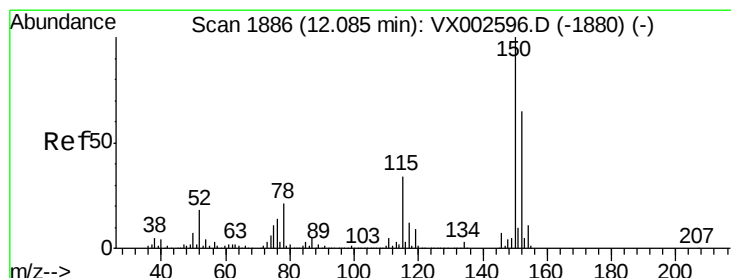
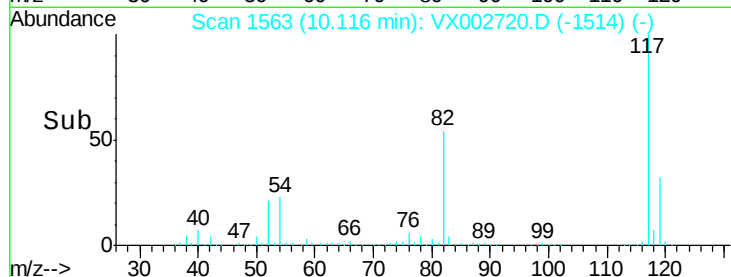
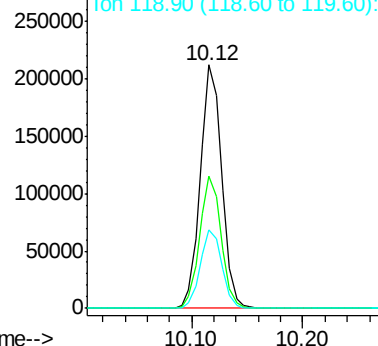
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX002720.D
Acq: 19 Jun 2018 18:31

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 282867
Ion Ratio Lower Upper
117 100
82 54.1 45.0 67.4
119 32.1 25.8 38.6

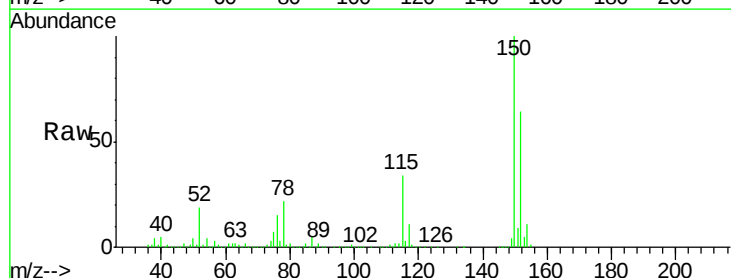


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

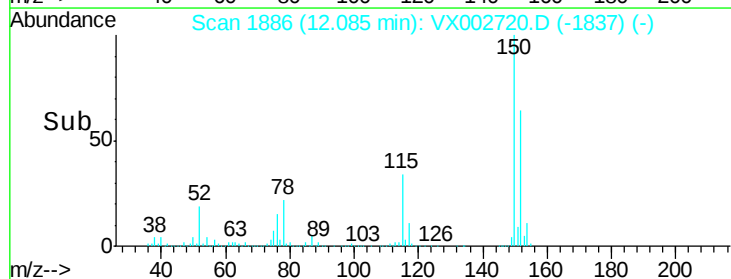
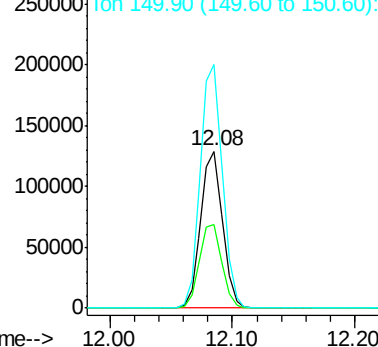


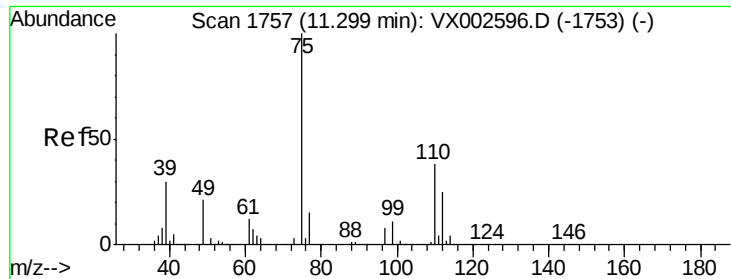
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX002720.D
Acq: 19 Jun 2018 18:31

Tgt Ion:152 Resp: 157668
Ion Ratio Lower Upper
152 100
115 55.3 40.1 120.2
150 157.9 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: 29.77 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX002720.D

Acq: 19 Jun 2018 18:31

Instrument :

MSVOA_X

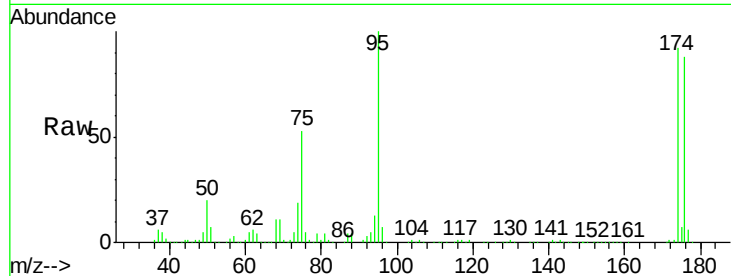
ClientSampleId :

Tot Ion: 75 Resp: 88575

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

11.14

80000

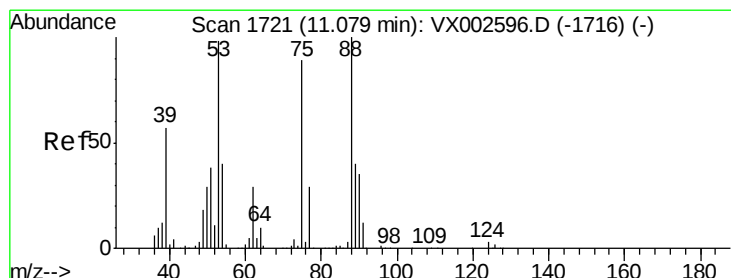
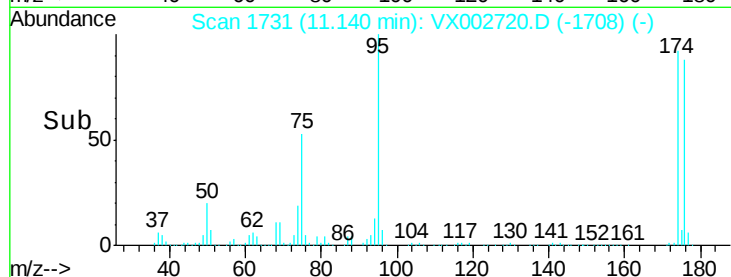
60000

40000

20000

0

Time--> 11.05 11.10 11.15 11.20



#81

trans-1,4-Dichloro-2-butene

Concen: 91.47 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX002720.D

Acq: 19 Jun 2018 18:31

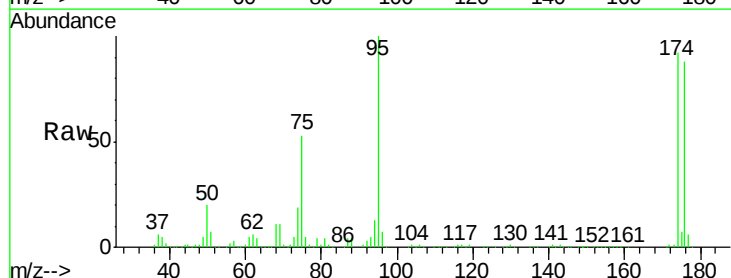
Tgt Ion: 75 Resp: 88575

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

100000

80000

60000

40000

20000

0

Time--> 11.05 11.10 11.15 11.20

