

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061818\
 Data File : VX002702.D
 Acq On : 19 Jun 2018 02:21
 Operator : JC/MD
 Sample : J3536-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

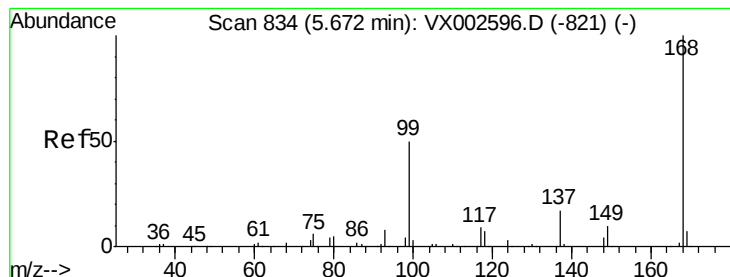
Quant Time: Jun 19 05:12:35 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061518W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 16 01:37:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	208231	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	293962	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	273084	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	151915	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	152769	48.28	ug/l	0.00
Spiked Amount			Recovery	=	96.56%	
35) Dibromofluoromethane	5.51	113	120388	51.31	ug/l	0.00
Spiked Amount			Recovery	=	102.62%	
50) Toluene-d8	8.72	98	459157	51.54	ug/l	0.00
Spiked Amount			Recovery	=	103.08%	
62) 4-Bromofluorobenzene	11.14	95	157226	46.58	ug/l	0.00
Spiked Amount			Recovery	=	93.16%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.40	62	2181	0.80	ug/l #	1
5) Bromomethane	1.65	94	1415	0.86	ug/l #	72
10) Methyl Iodide	2.52	142	1040	5.46	ug/l #	86
11) Tert butyl alcohol	3.03	59	1538	2.35	ug/l #	78
13) Acrolein	2.30	56	262	7.69	ug/l #	81
16) Acetone	2.45	43	996	0.71	ug/l #	78
21) trans-1,2-Dichloroethene	3.17	96	3540	1.40	ug/l #	78
27) cis-1,2-Dichloroethene	4.61	96	5230	2.04	ug/l #	70
36) 1,1-Dichloropropene	5.67	75	13957	4.47	ug/l #	51
38) Carbon Tetrachloride	5.67	117	18956	6.10	ug/l #	16
49) 1,4-Dioxane	7.76	88	23	0.41	ug/l #	1
53) t-1,3-Dichloropropene	8.50	75	20	2.40	ug/l #	43
54) cis-1,3-Dichloropropene	9.06	75	22	3.22	ug/l #	1
60) Dibromochloromethane	9.34	129	70	3.78	ug/l #	11
76) 1,2,3-Trichloropropane	11.14	75	82957	28.94	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.14	75	82957	89.03	ug/l #	7
90) Hexachloroethane	12.77	117	27	2.64	ug/l #	1

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.00 min

Lab File: VX002702.D

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Instrument :

MSVOA_X

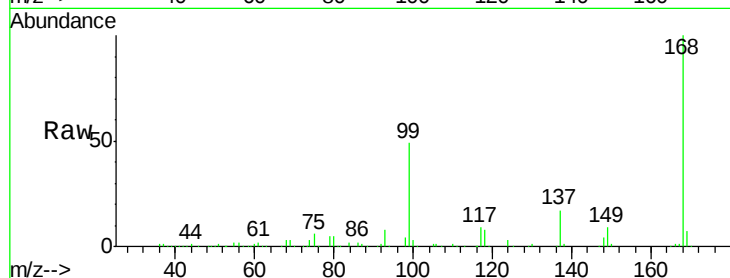
ClientSampleId :

Tot Ion:168 Resp: 208231

Ion Ratio Lower Upper

168 100

99 48.6 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

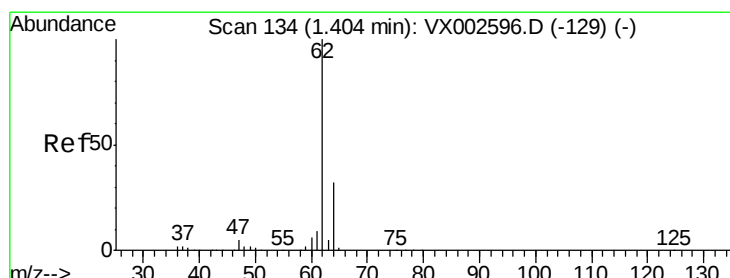
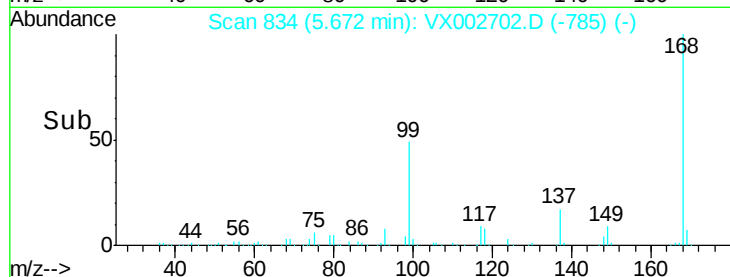
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 0.80 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX002702.D

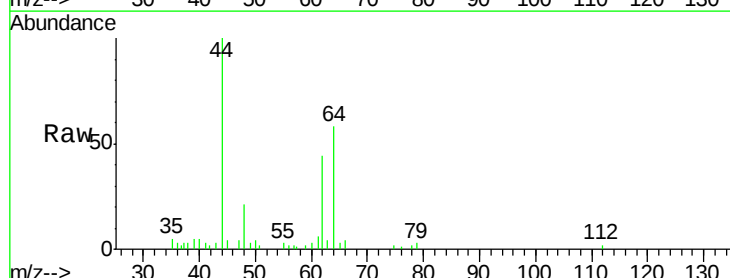
Acq: 19 Jun 2018 02:21

Tgt Ion: 62 Resp: 2181

Ion Ratio Lower Upper

62 100

64 89.9 25.4 38.2#



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.40

2500

2000

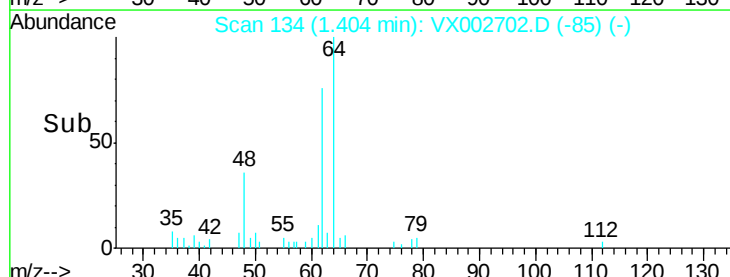
1500

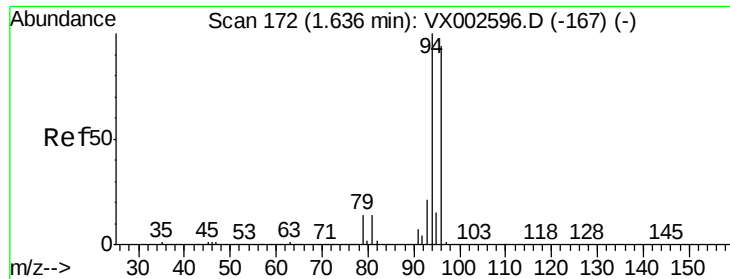
1000

500

0

Time-->





#5

Bromomethane

Concen: 0.86 ug/l

RT: 1.65 min Scan# 175

Delta R.T. 0.02 min

Lab File: VX002702.D

Acq: 19 Jun 2018 02:21

Instrument :

MSVOA_X

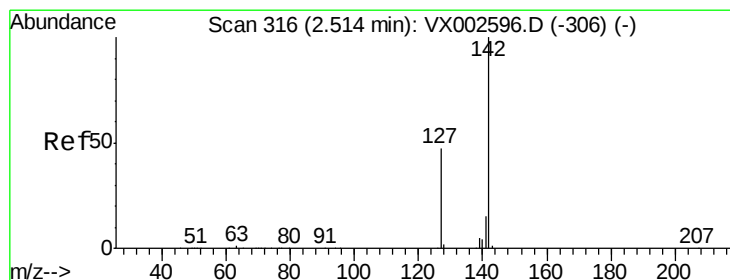
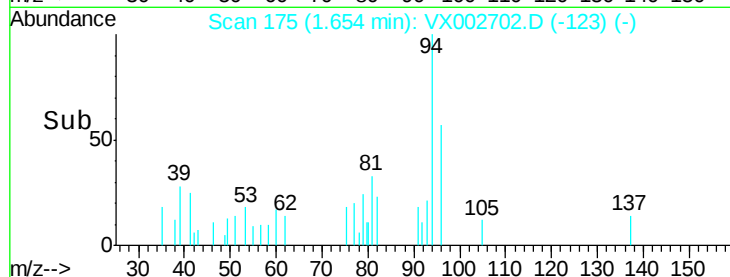
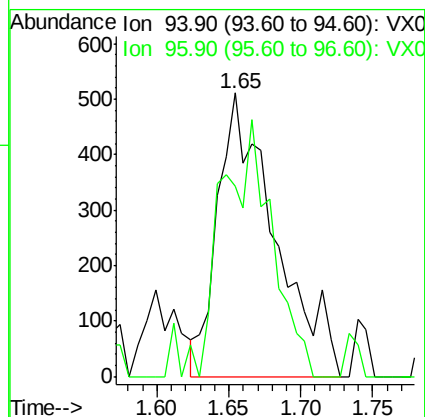
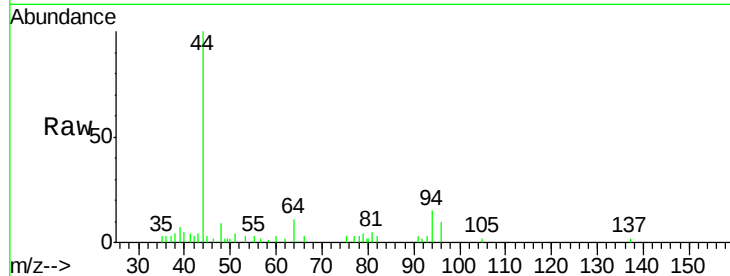
ClientSampleId :

Tot Ion: 94 Resp: 1415

Ion Ratio Lower Upper

94 100

96 66.9 74.9 112.3#



#10

Methyl Iodide

Concen: 5.46 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX002702.D

Acq: 19 Jun 2018 02:21

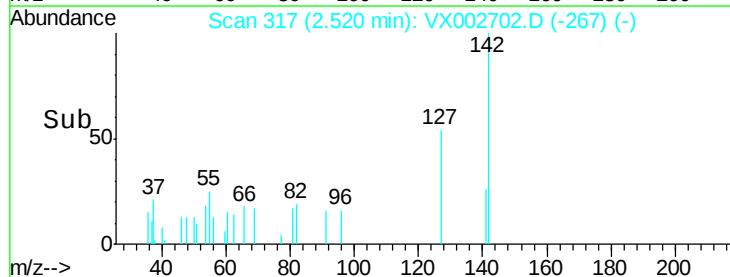
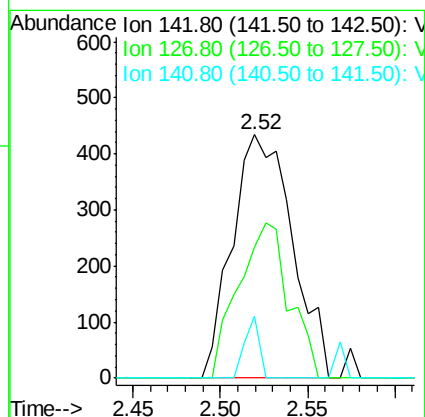
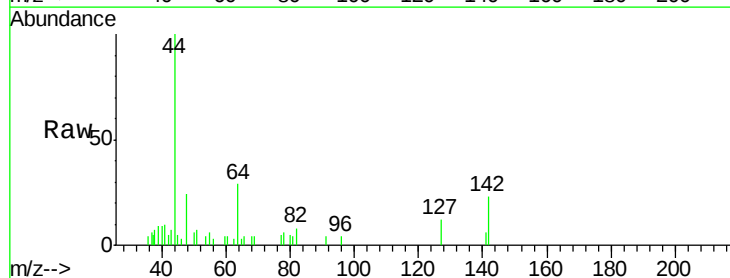
Tgt Ion: 142 Resp: 1040

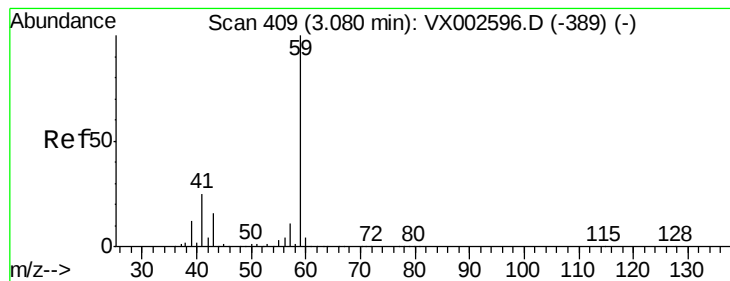
Ion Ratio Lower Upper

142 100

127 53.8 36.6 55.0

141 6.2 11.3 16.9#



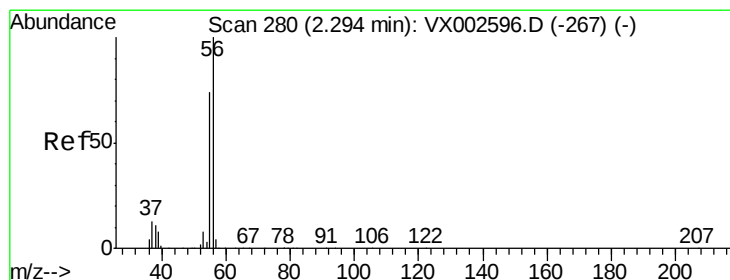
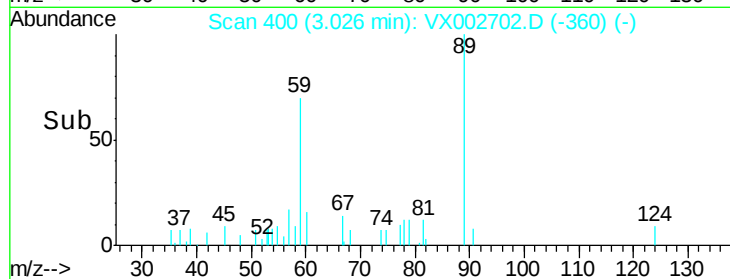
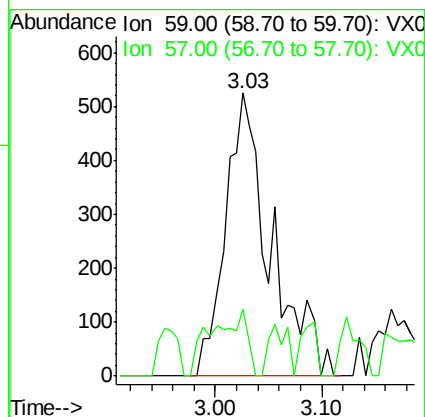
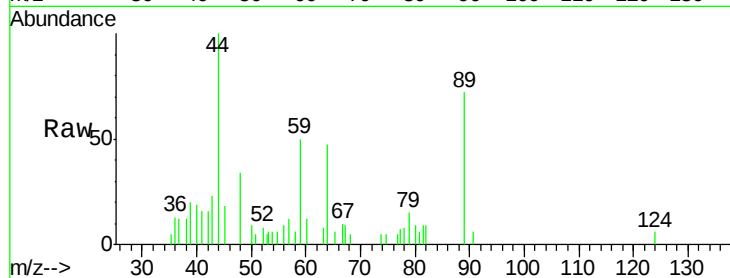


#11

Tert butyl alcohol
Concen: 2.35 ug/l
RT: 3.03 min Scan# 400
Delta R.T. -0.05 min
Lab File: VX002702.D
Acq: 19 Jun 2018 02:21

Instrument :
MSVOA_X
ClientSampleId :

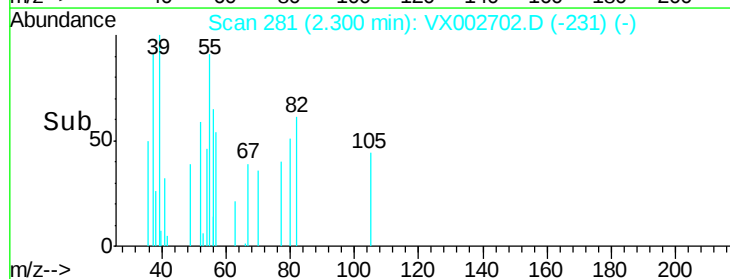
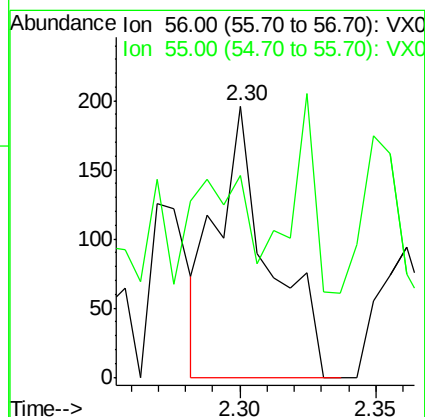
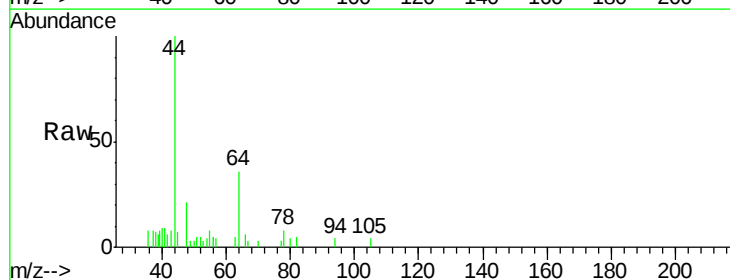
Tot Ion: 59 Resp: 1538
Ion Ratio Lower Upper
59 100
57 18.4 8.2 12.2#

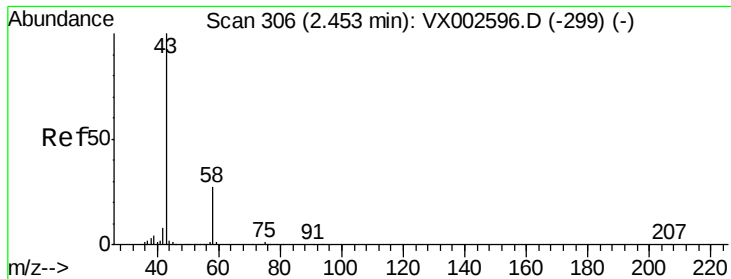


#13

Acrolein
Concen: 7.69 ug/l
RT: 2.30 min Scan# 281
Delta R.T. 0.01 min
Lab File: VX002702.D
Acq: 19 Jun 2018 02:21

Tgt Ion: 56 Resp: 262
Ion Ratio Lower Upper
56 100
55 87.0 57.0 85.4#





#16

Acetone

Concen: 0.71 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.00 min

Lab File: VX002702.D

Acq: 19 Jun 2018 02:21

Instrument :

MSVOA_X

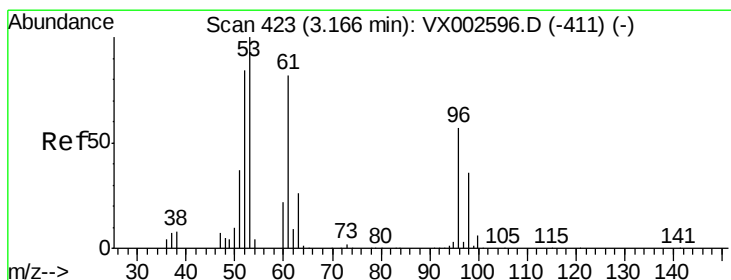
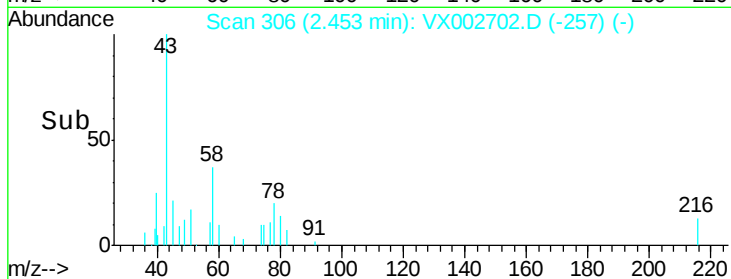
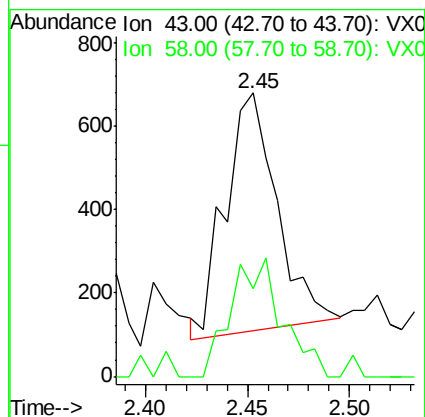
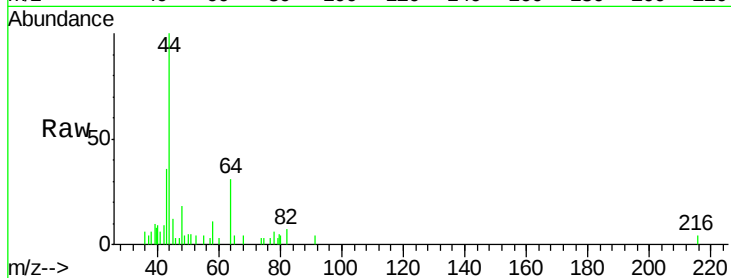
ClientSampleId :

Tot Ion: 43 Resp: 996

Ion Ratio Lower Upper

43 100

58 38.9 22.1 33.1#



#21

trans-1,2-Dichloroethene

Concen: 1.40 ug/l

RT: 3.17 min Scan# 424

Delta R.T. 0.01 min

Lab File: VX002702.D

Acq: 19 Jun 2018 02:21

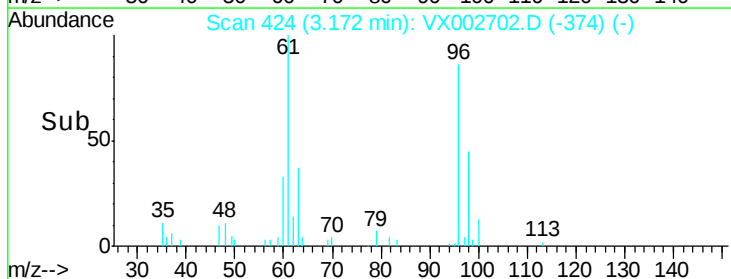
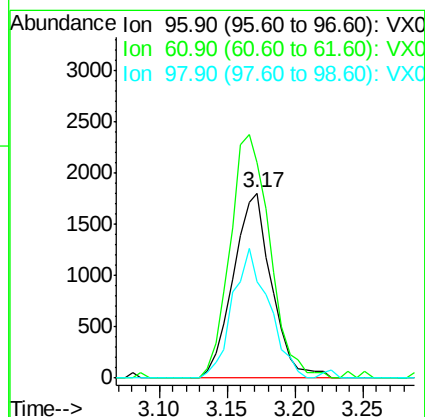
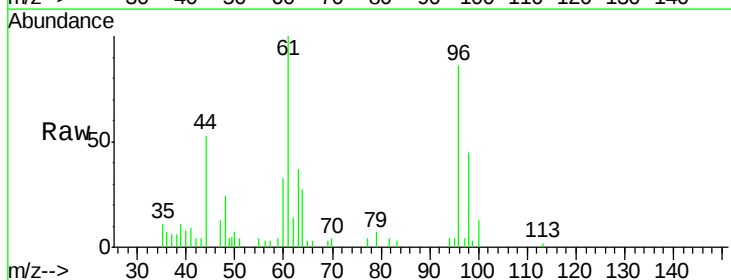
Tgt Ion: 96 Resp: 3540

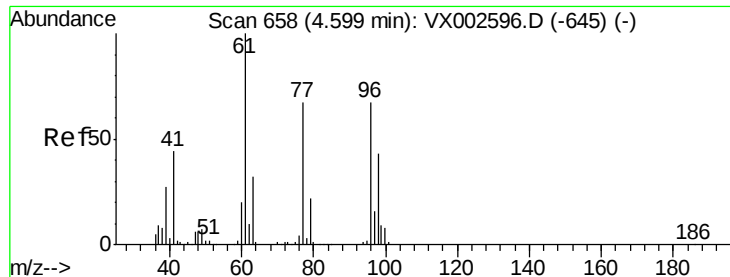
Ion Ratio Lower Upper

96 100

61 116.5 117.0 175.4#

98 52.1 52.4 78.6#



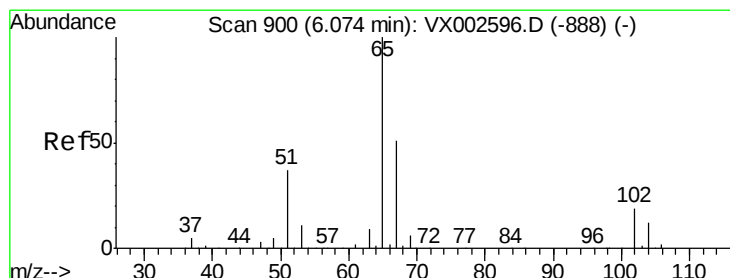
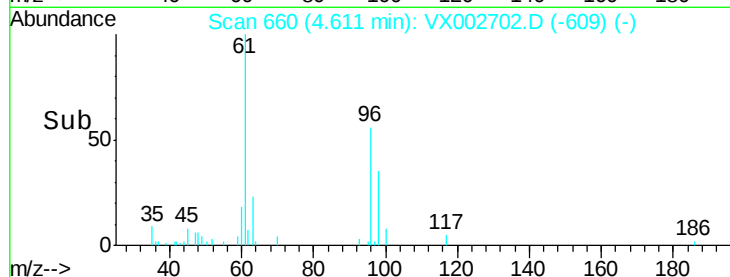
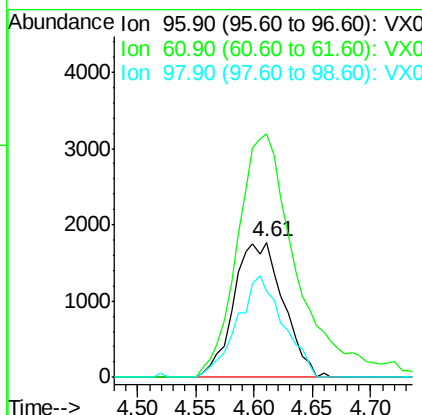
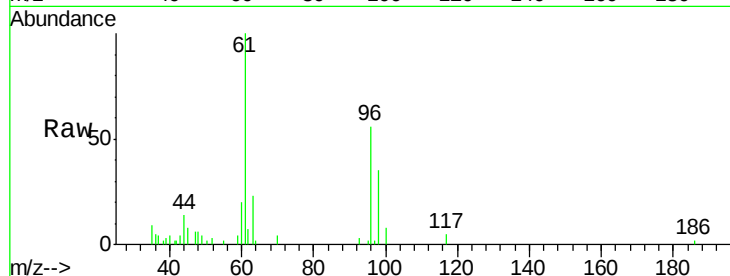


#27

cis-1,2-Dichloroethene
 Concen: 2.04 ug/l
 RT: 4.61 min Scan# 660
 Delta R.T. 0.01 min
 Lab File: VX002702.D
 Acq: 19 Jun 2018 02:21

Instrument :
 MSVOA_X
 ClientSampled :

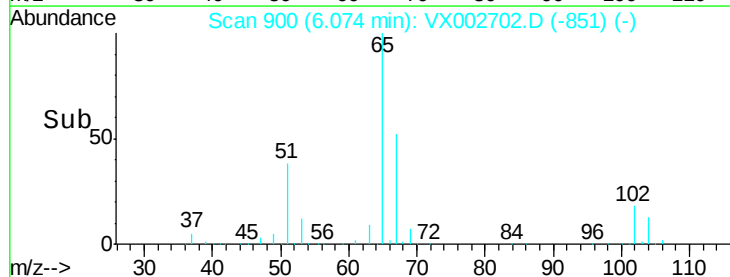
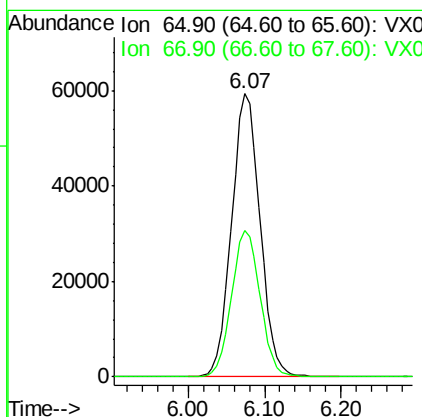
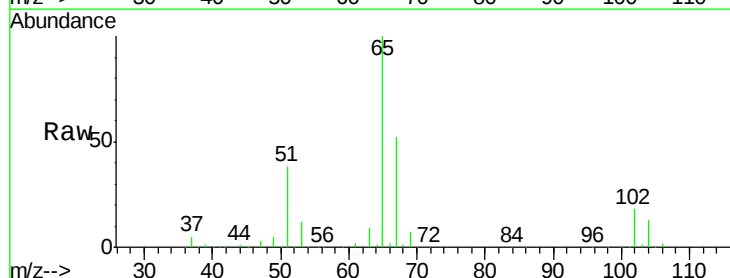
Tot Ion: 96 Resp: 5230
 Ion Ratio Lower Upper
 96 100
 61 218.0 0.0 330.2
 98 69.9 0.0 130.2

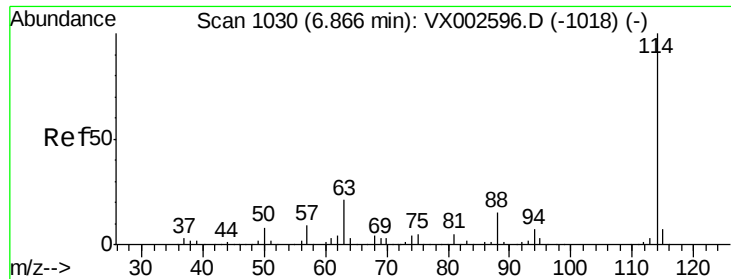


#33

1,2-Dichloroethane-d4
 Concen: 48.28 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX002702.D
 Acq: 19 Jun 2018 02:21

Tgt Ion: 65 Resp: 152769
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 102.6

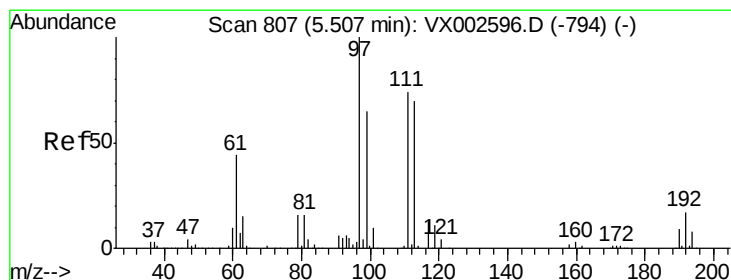
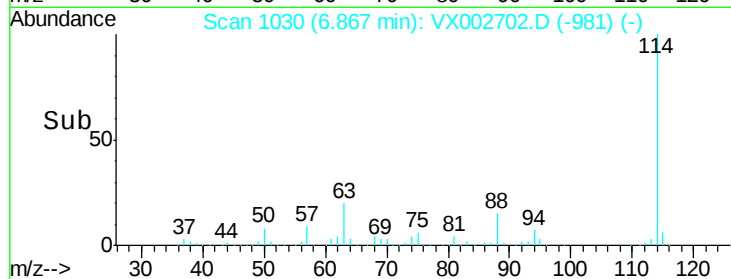
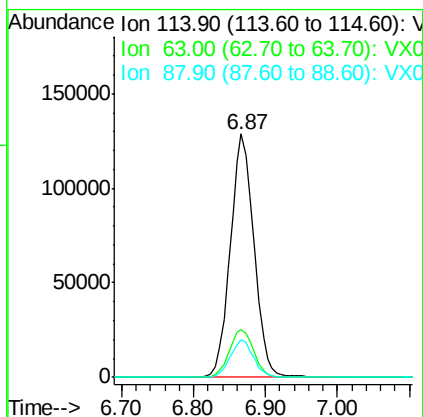
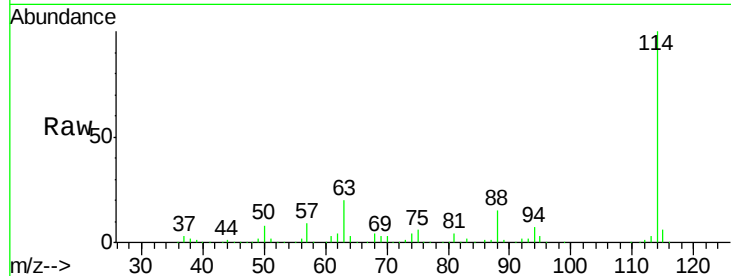




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX002702.D
 Acq: 19 Jun 2018 02:21

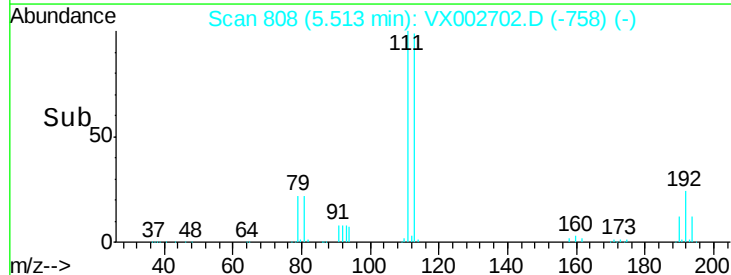
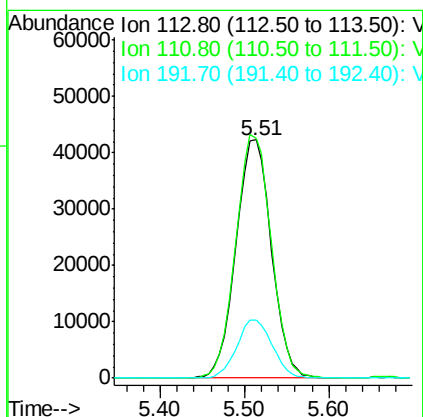
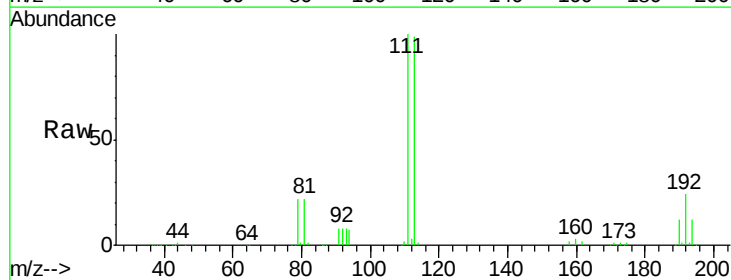
Instrument :
 MSVOA_X
 ClientSampleId :

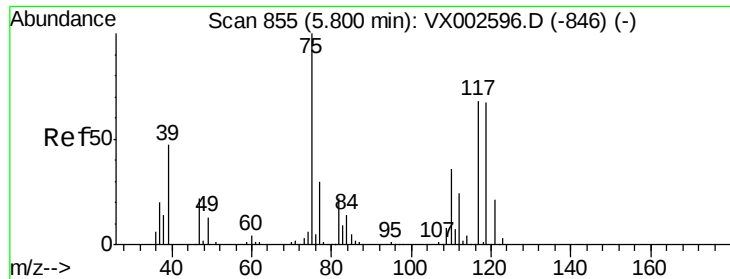
Tot Ion:114 Resp: 293962
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 41.4
 88 15.4 0.0 30.0



#35
 Dibromofluoromethane
 Concen: 51.31 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. 0.01 min
 Lab File: VX002702.D
 Acq: 19 Jun 2018 02:21

Tgt Ion:113 Resp: 120388
 Ion Ratio Lower Upper
 113 100
 111 102.5 81.4 122.0
 192 24.4 19.1 28.7

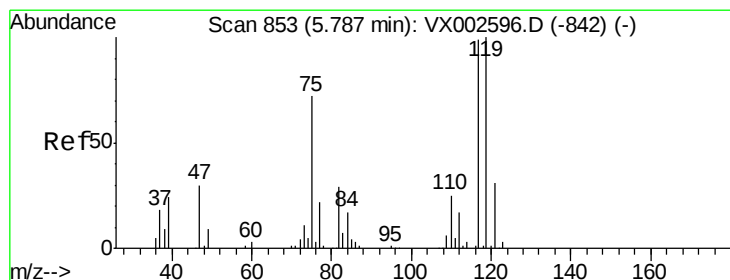
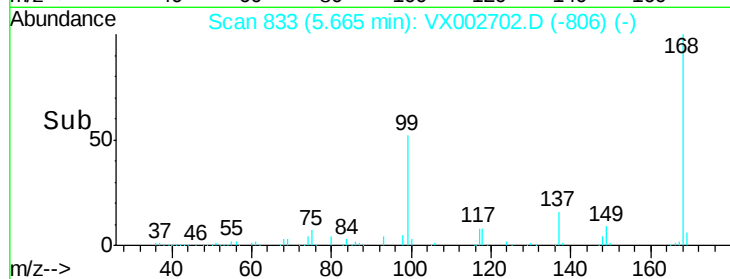
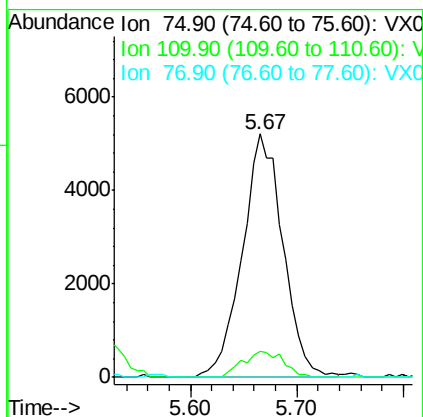
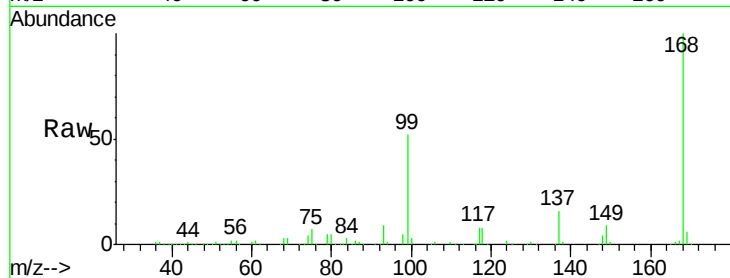




#36
 1,1-Dichloropropene
 Concen: 4.47 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.13 min
 Lab File: VX002702.D
 Acq: 19 Jun 2018 02:21

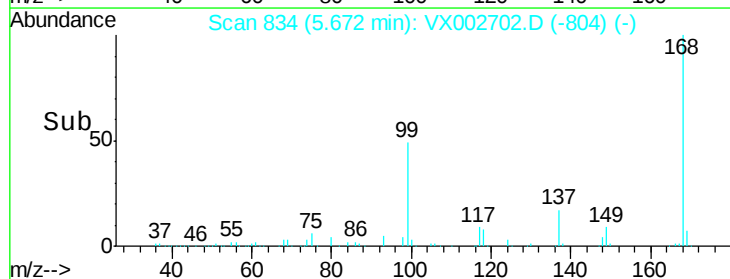
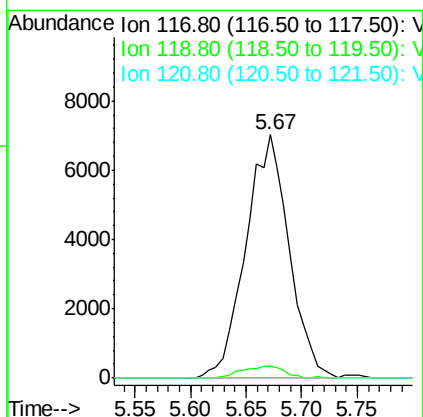
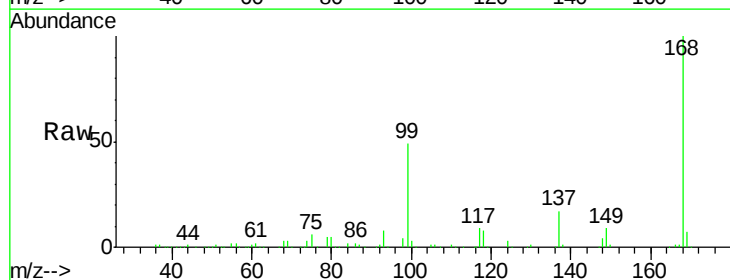
Instrument :
 MSVOA_X
 ClientSampleId :

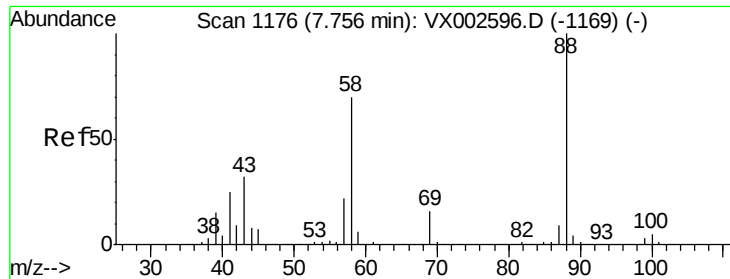
Tot Ion	75	Resp	13957
Ion Ratio	100	Lower	Upper
75	100		
110	10.8	18.1	54.4#
77	0.0	24.3	36.5#



#38
 Carbon Tetrachloride
 Concen: 6.10 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.12 min
 Lab File: VX002702.D
 Acq: 19 Jun 2018 02:21

Tgt Ion	117	Resp	18956
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
117	100		
119	5.1	77.4	116.0#
121	0.0	24.4	36.6#





#49

1,4-Dioxane

Concen: 0.41 ug/l

RT: 7.76 min Scan# 1176

Delta R.T. 0.00 min

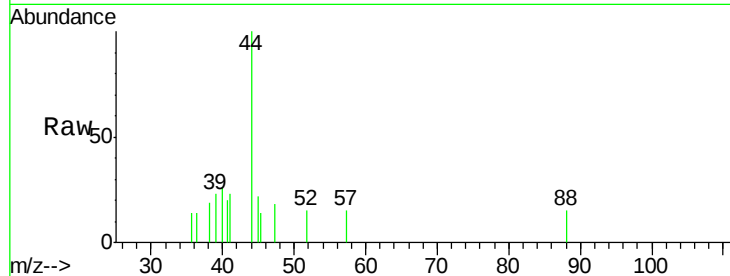
Lab File: VX002702.D

Acq: 19 Jun 2018 02:21

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 88 Resp: 23

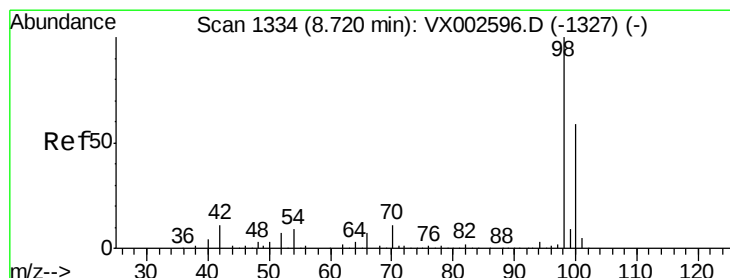
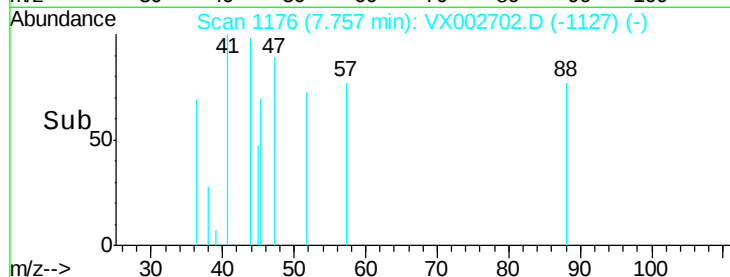
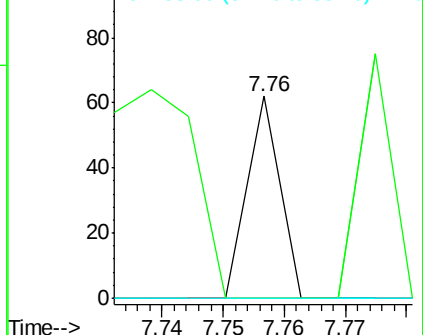
Ion	Ratio	Lower	Upper
88	100		
43	373.9	29.8	44.6#
58	0.0	57.1	85.7#



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 51.54 ug/l

RT: 8.72 min Scan# 1334

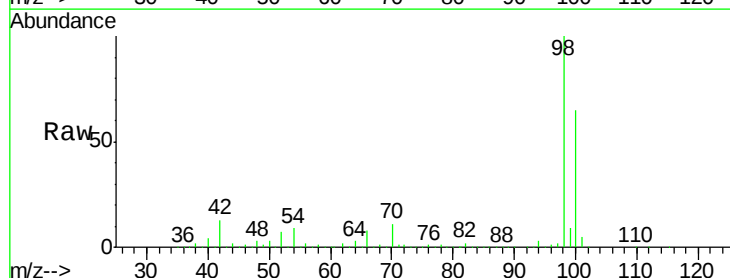
Delta R.T. 0.00 min

Lab File: VX002702.D

Acq: 19 Jun 2018 02:21

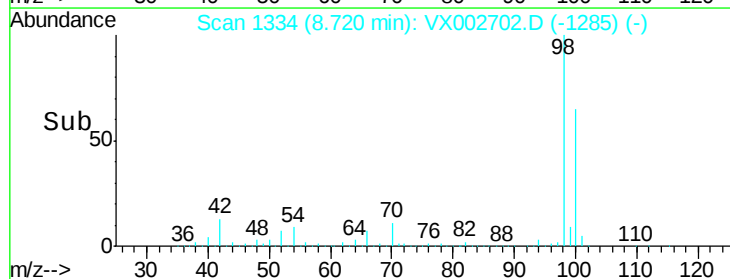
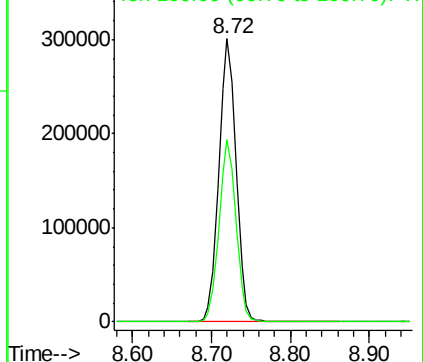
Tgt Ion: 98 Resp: 459157

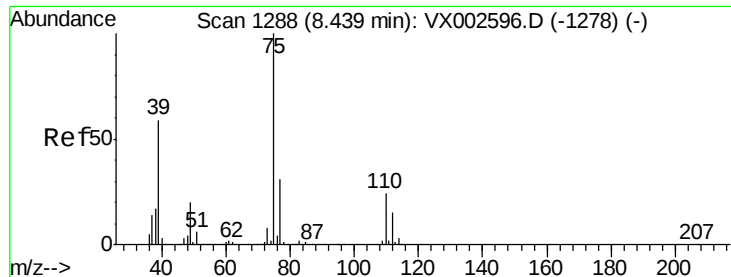
Ion	Ratio	Lower	Upper
98	100		
100	63.5	50.9	76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

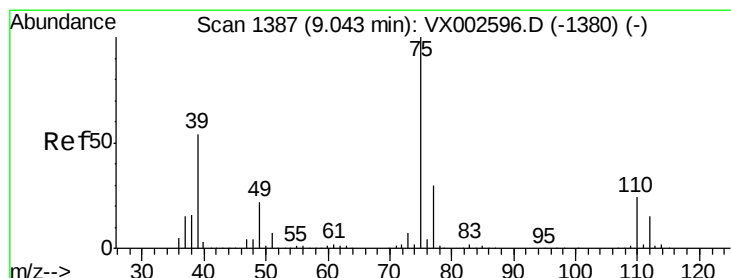
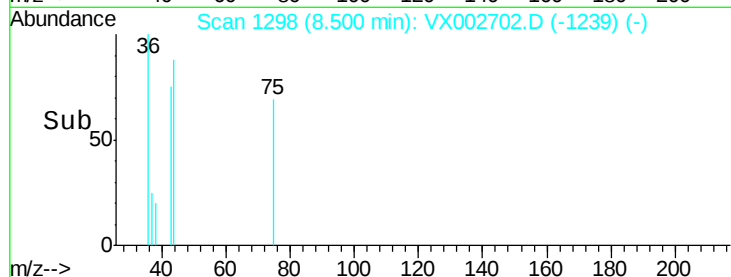
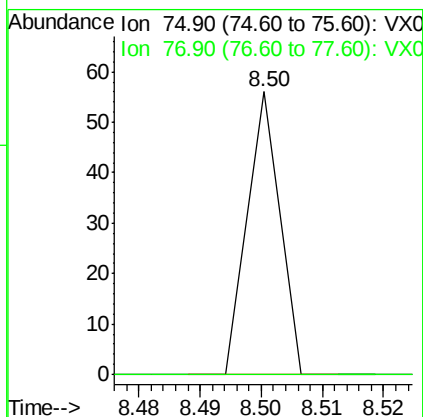
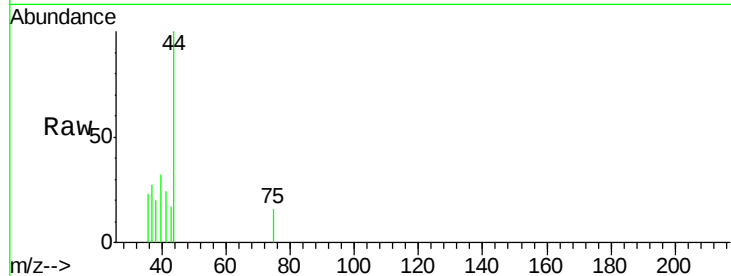




#53
t-1,3-Dichloropropene
Concen: 2.40 ug/l
RT: 8.50 min Scan# 1298
Delta R.T. 0.06 min
Lab File: VX002702.D
Acq: 19 Jun 2018 02:21

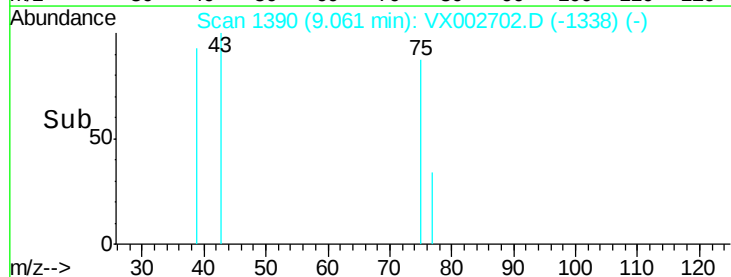
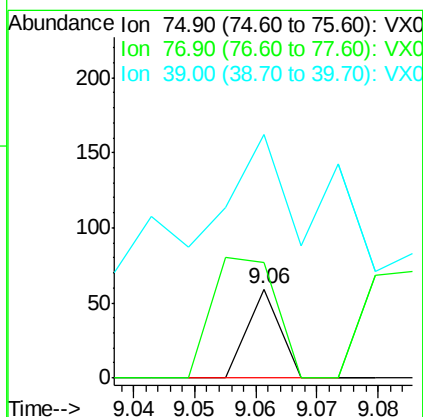
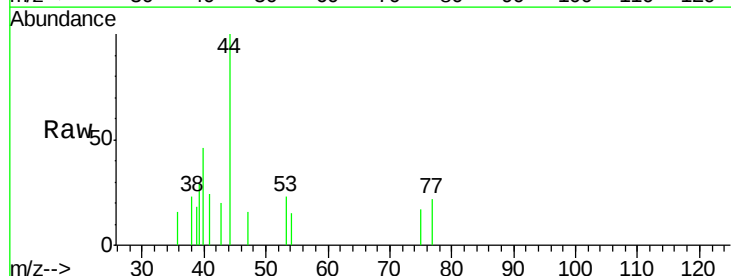
Instrument :
MSVOA_X
ClientSampled :

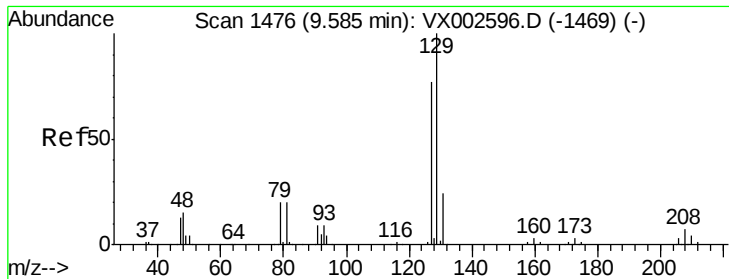
Tot Ion: 75 Resp: 20
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.2#



#54
cis-1,3-Dichloropropene
Concen: 3.22 ug/l
RT: 9.06 min Scan# 1390
Delta R.T. 0.02 min
Lab File: VX002702.D
Acq: 19 Jun 2018 02:21

Tgt Ion: 75 Resp: 22
Ion Ratio Lower Upper
75 100
77 130.5 24.8 37.2#
39 127.1 42.4 63.6#





#60

Dibromochloromethane

Concen: 3.78 ug/l

RT: 9.34 min Scan# 1435

Delta R.T. -0.25 min

Lab File: VX002702.D

Acq: 19 Jun 2018 02:21

Instrument :

MSVOA_X

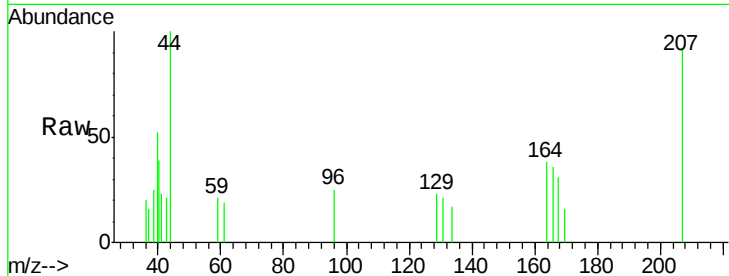
ClientSampleId :

Tot Ion:129 Resp: 70

Ion Ratio Lower Upper

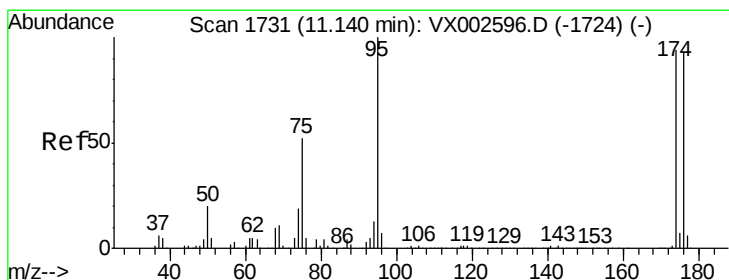
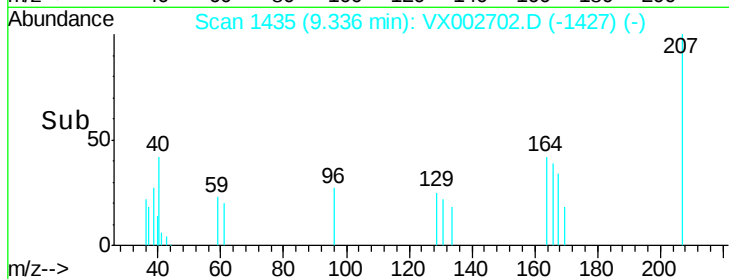
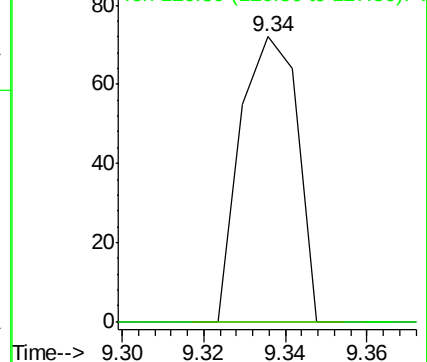
129 100

127 0.0 38.5 115.3#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#62

4-Bromofluorobenzene

Concen: 46.58 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX002702.D

Acq: 19 Jun 2018 02:21

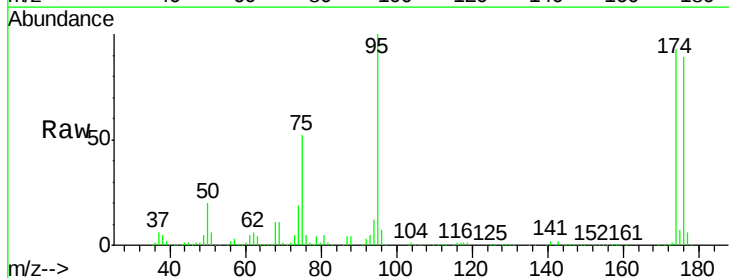
Tgt Ion: 95 Resp: 157226

Ion Ratio Lower Upper

95 100

174 97.2 0.0 187.4

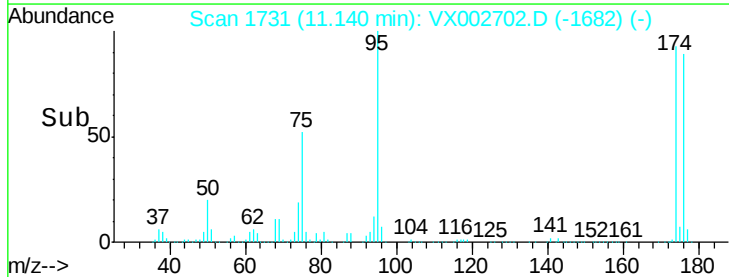
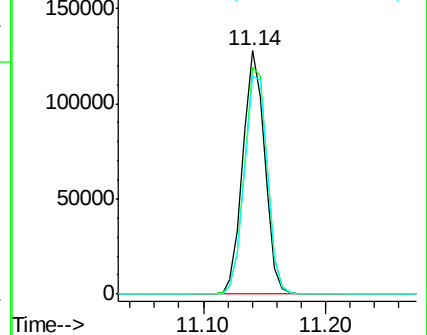
176 95.1 0.0 181.0

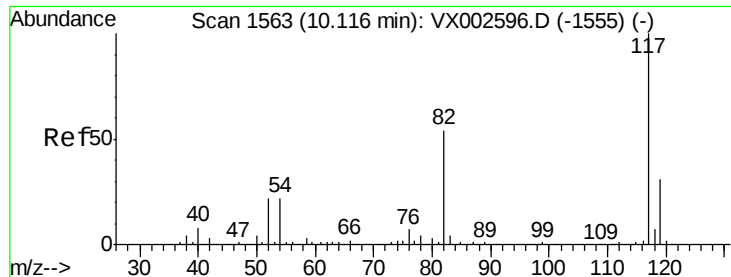


Abundance Ion 94.90 (94.60 to 95.60): VX0

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: VX002702.D

Acq: 19 Jun 2018 02:21

Instrument :

MSVOA_X

ClientSampled :

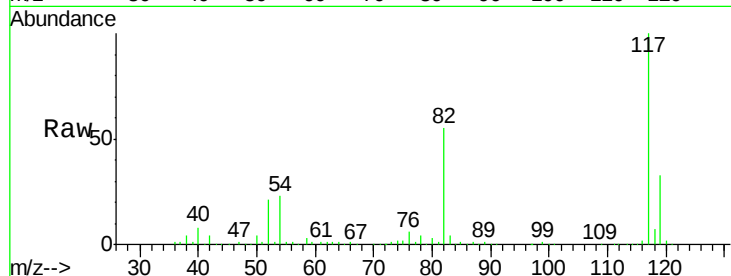
Tot Ion:117 Resp: 273084

Ion Ratio Lower Upper

117 100

82 55.1 45.0 67.4

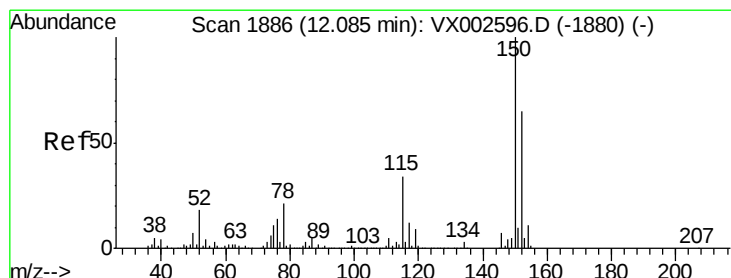
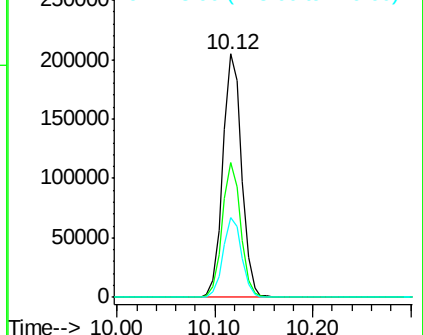
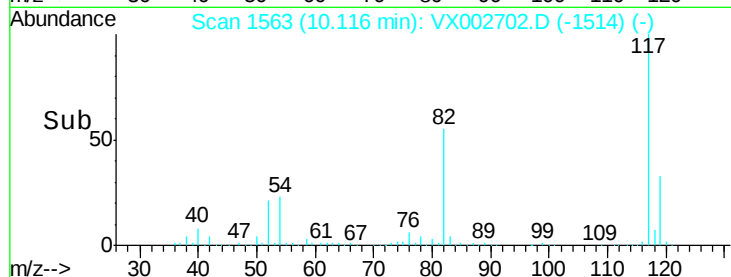
119 32.7 25.8 38.6



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX002702.D

Acq: 19 Jun 2018 02:21

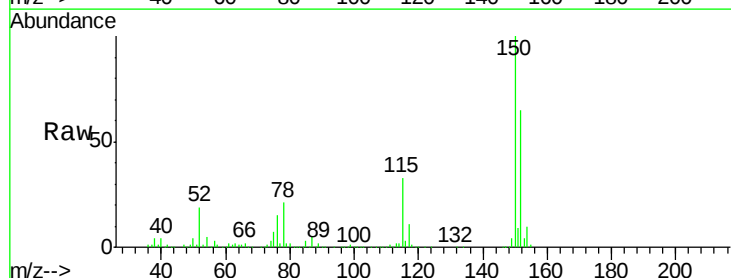
Tgt Ion:152 Resp: 151915

Ion Ratio Lower Upper

152 100

115 53.5 40.1 120.2

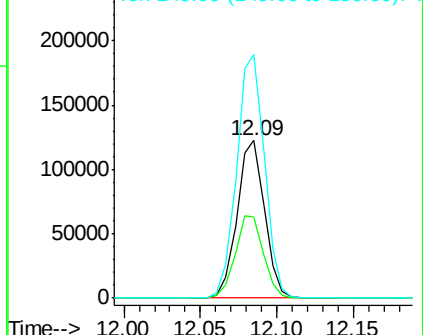
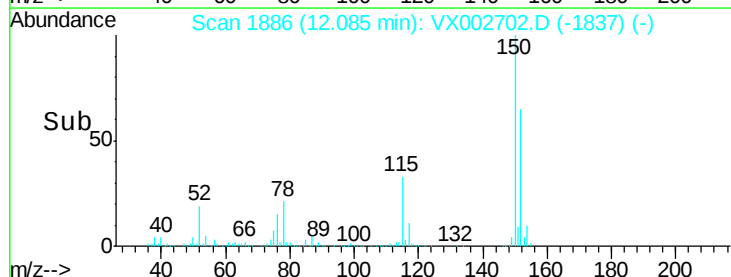
150 157.3 0.0 347.2

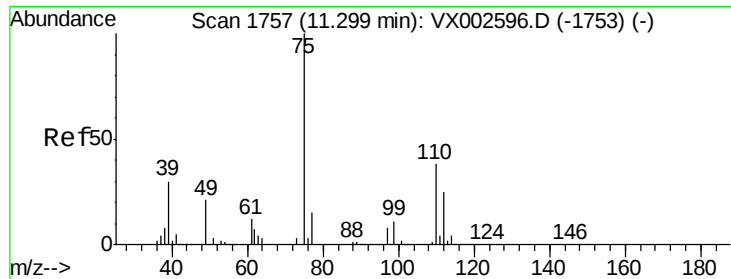


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 28.94 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX002702.D

Acq: 19 Jun 2018 02:21

Instrument :

MSVOA_X

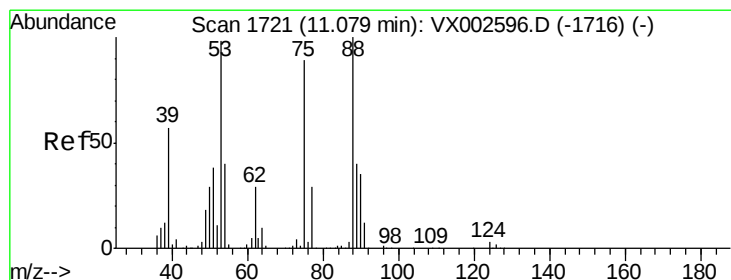
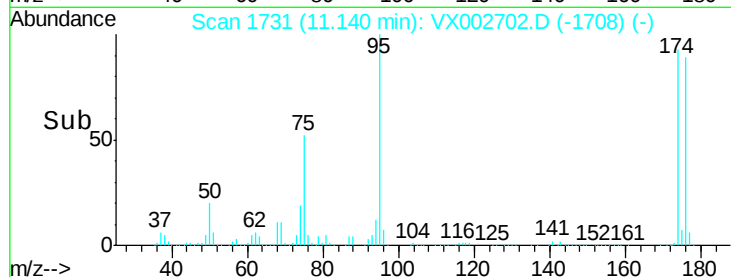
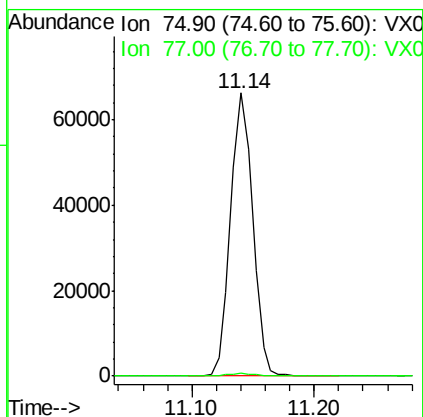
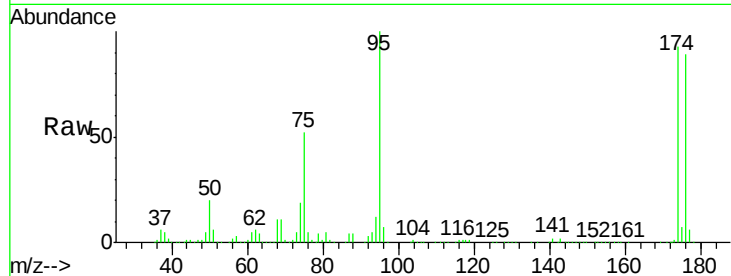
ClientSampleId :

Tot Ion: 75 Resp: 82957

Ion Ratio Lower Upper

75 100

77 1.1 22.8 68.3#



#81

trans-1,4-Dichloro-2-butene

Concen: 89.03 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX002702.D

Acq: 19 Jun 2018 02:21

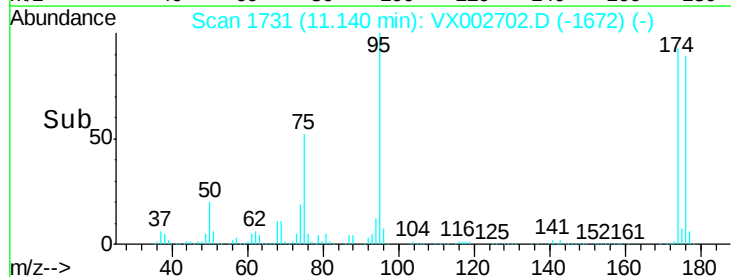
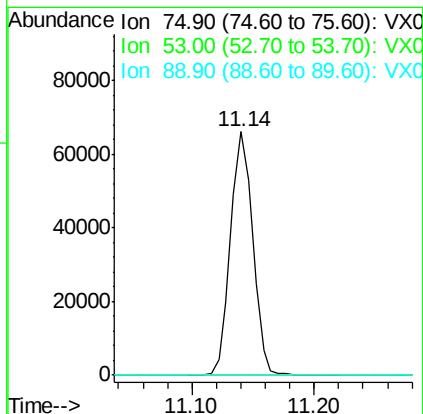
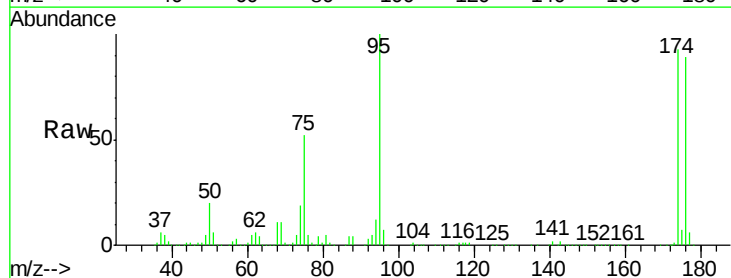
Tgt Ion: 75 Resp: 82957

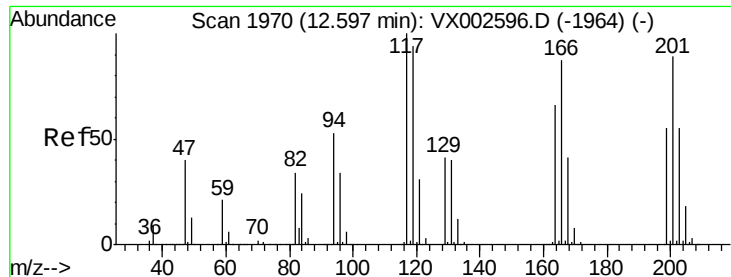
Ion Ratio Lower Upper

75 100

53 0.1 86.8 130.2#

89 0.0 38.2 57.2#





#90

Hexachloroethane

Concen: 2.64 ug/l

RT: 12.77 min Scan# 1998

Delta R.T. 0.17 min

Lab File: VX002702.D

Acq: 19 Jun 2018 02:21

Instrument :

MSVOA_X

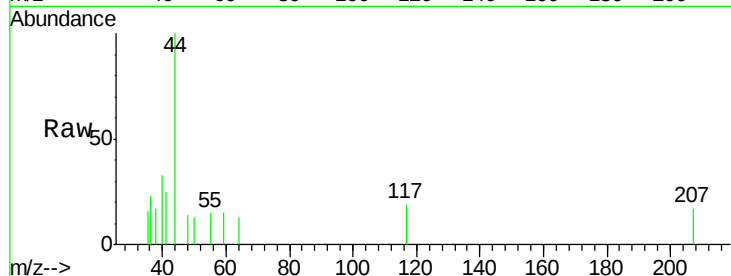
ClientSampleId :

Tot Ion:117 Resp: 27

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

