

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061818\
 Data File : VX002696.D
 Acq On : 18 Jun 2018 23:41
 Operator : JC/MD
 Sample : J3563-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 19 05:11:10 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	218928	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	308978	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	283554	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	160858	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	143017	42.99	ug/l	0.00
Spiked Amount			Recovery	=	85.98%	
35) Dibromofluoromethane	5.51	113	114175	46.30	ug/l	0.00
Spiked Amount			Recovery	=	92.60%	
50) Toluene-d8	8.72	98	434653	46.42	ug/l	0.00
Spiked Amount			Recovery	=	92.84%	
62) 4-Bromofluorobenzene	11.14	95	152749	43.05	ug/l	0.00
Spiked Amount			Recovery	=	86.10%	

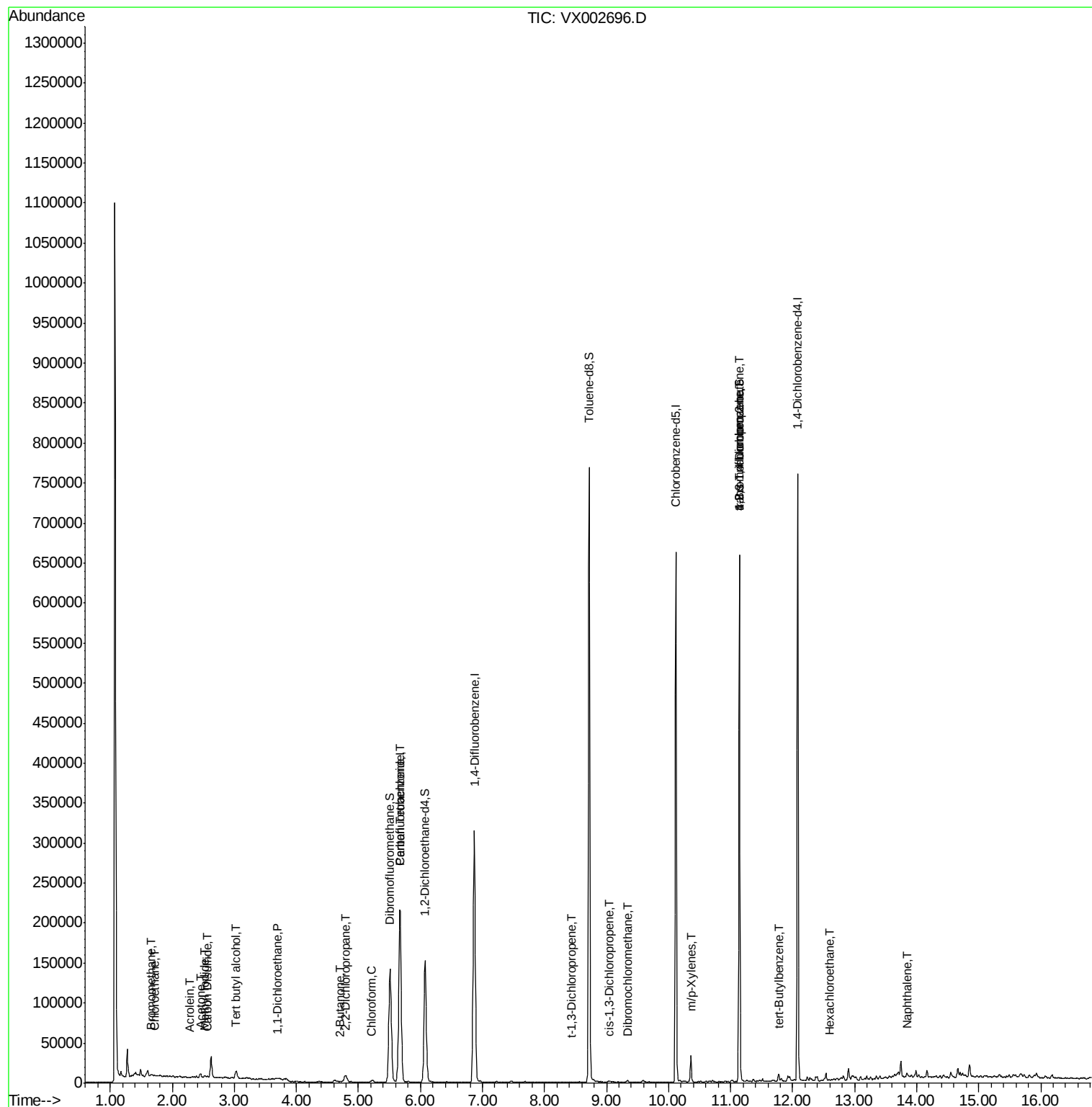
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.67	94	1780	1.03	ug/l	89
6) Chloroethane	1.72	64	858	0.45	ug/l	# 46
10) Methyl Iodide	2.53	142	2757	5.88	ug/l	# 91
11) Tert butyl alcohol	3.03	59	5989	8.71	ug/l	# 84
13) Acrolein	2.29	56	288	7.73	ug/l	# 67
16) Acetone	2.45	43	5756	3.92	ug/l	# 87
17) Carbon Disulfide	2.57	76	1731	0.30	ug/l	100
24) 1,1-Dichloroethane	3.70	63	1021	0.21	ug/l	# 83
25) 2-Butanone	4.70	43	877	0.45	ug/l	99
26) 2,2-Dichloropropane	4.79	77	967	0.28	ug/l	# 53
30) Chloroform	5.21	83	2518	0.55	ug/l	98
38) Carbon Tetrachloride	5.67	117	20142	6.16	ug/l	# 17
53) t-1,3-Dichloropropene	8.43	75	37	2.40	ug/l	# 61
54) cis-1,3-Dichloropropene	9.04	75	129	3.24	ug/l	# 73
60) Dibromochloromethane	9.34	129	293	3.86	ug/l	# 11
68) m/p-Xylenes	10.36	106	7167	1.58	ug/l	94
76) 1,2,3-Trichloropropane	11.14	75	81142	26.73	ug/l	# 33
81) trans-1,4-Dichloro-2-buten	11.14	75	81142	82.56	ug/l	# 7
83) tert-Butylbenzene	11.77	119	3338	0.38	ug/l	84
90) Hexachloroethane	12.60	117	19	2.64	ug/l	# 1
95) Naphthalene	13.84	128	3203	0.30	ug/l	# 80

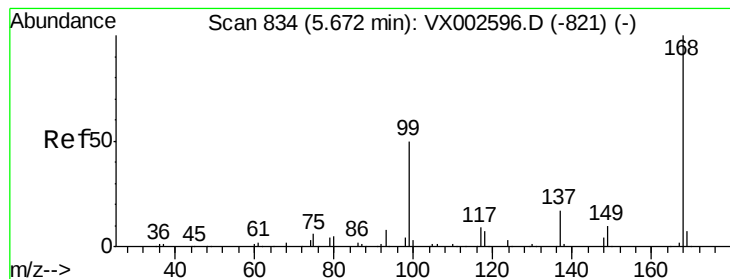
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX002696.D

Acq: 18 Jun 2018 23:41

Instrument :

MSVOA_X

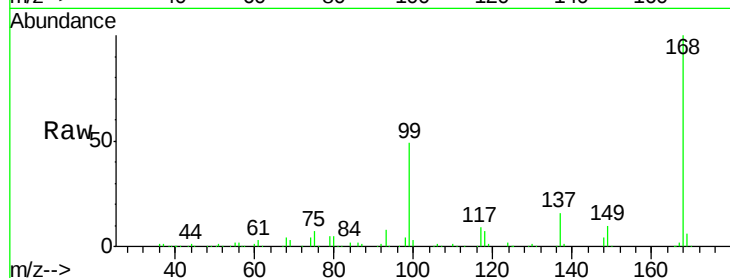
ClientSampleId :

Tot Ion:168 Resp: 218928

Ion Ratio Lower Upper

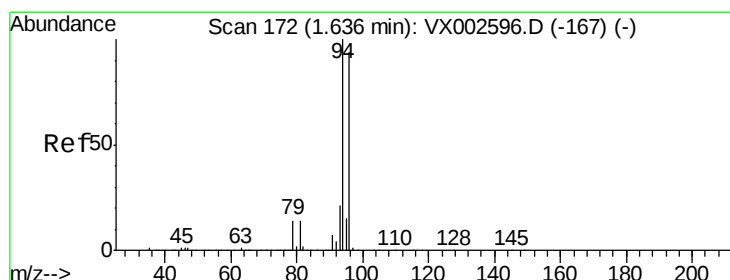
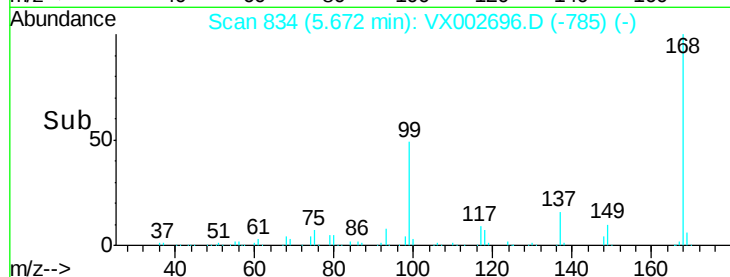
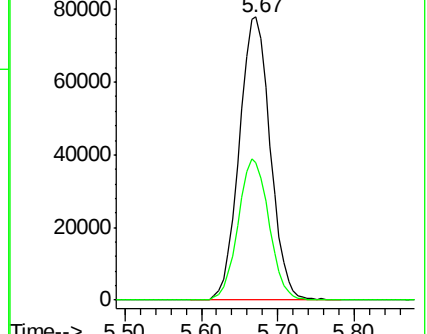
168 100

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

Bromomethane

Concen: 1.03 ug/l

RT: 1.67 min Scan# 177

Delta R.T. 0.03 min

Lab File: VX002696.D

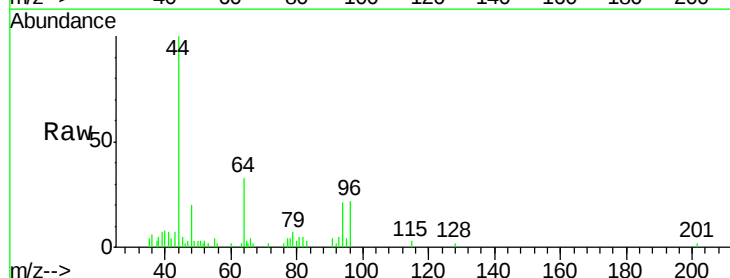
Acq: 18 Jun 2018 23:41

Tgt Ion: 94 Resp: 1780

Ion Ratio Lower Upper

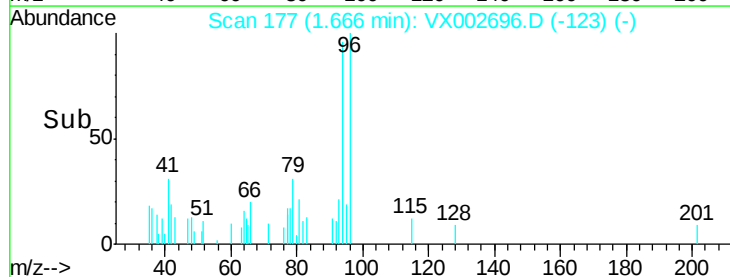
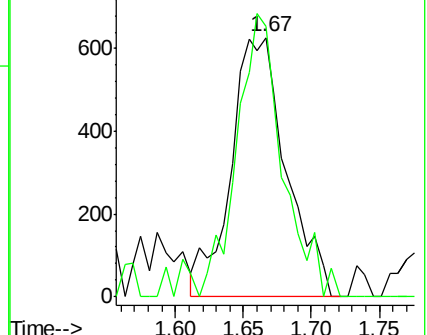
94 100

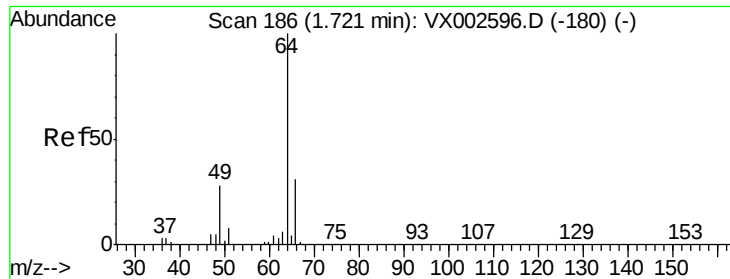
96 104.6 74.9 112.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: 0.45 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.00 min

Lab File: VX002696.D

Acq: 18 Jun 2018 23:41

Instrument :

MSVOA_X

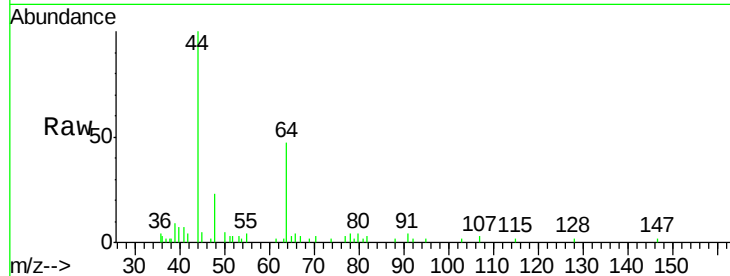
ClientSampleId :

Tot Ion: 64 Resp: 858

Ion Ratio Lower Upper

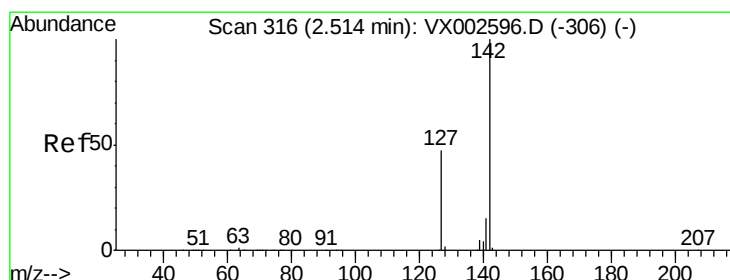
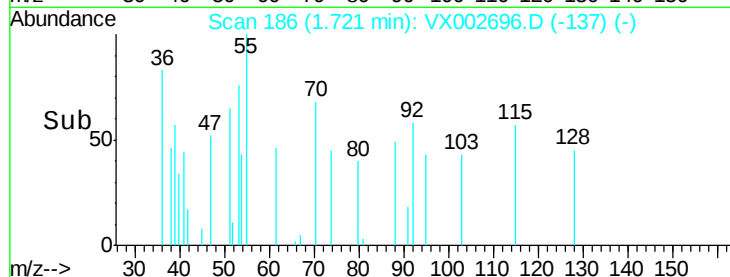
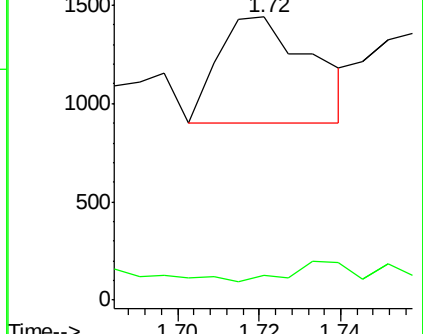
64 100

66 2.0 25.5 38.3#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#10

Methyl Iodide

Concen: 5.88 ug/l

RT: 2.53 min Scan# 318

Delta R.T. 0.01 min

Lab File: VX002696.D

Acq: 18 Jun 2018 23:41

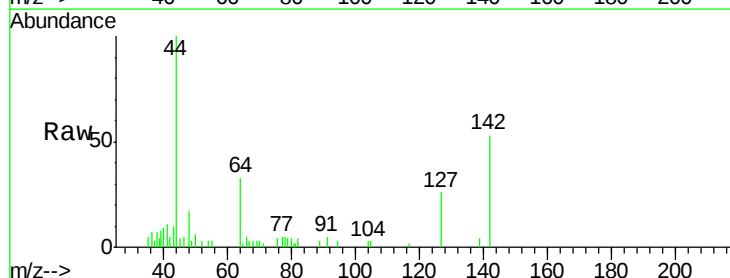
Tgt Ion: 142 Resp: 2757

Ion Ratio Lower Upper

142 100

127 50.3 36.6 55.0

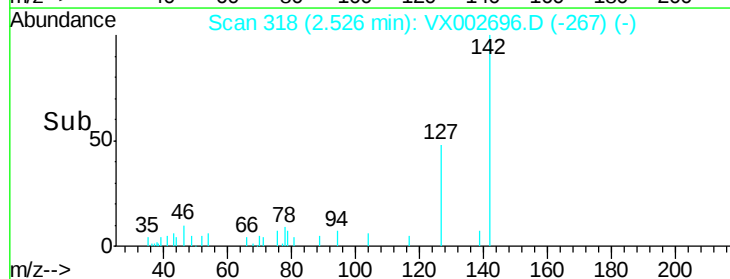
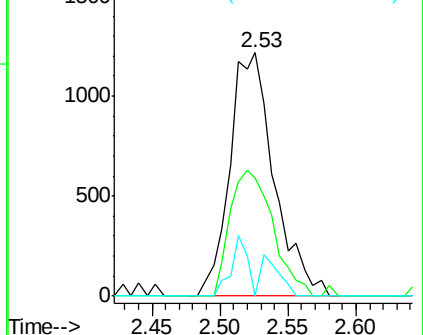
141 7.1 11.3 16.9#

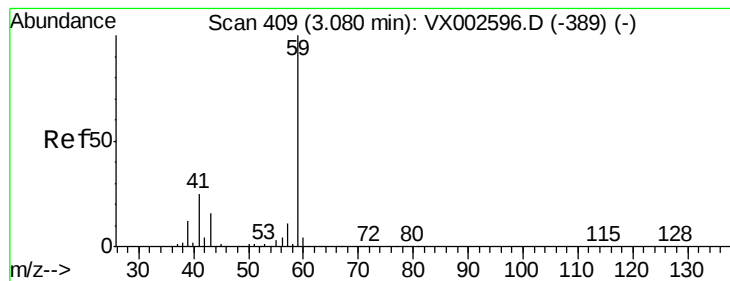


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



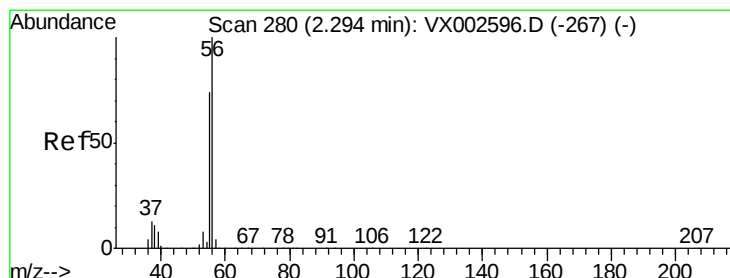
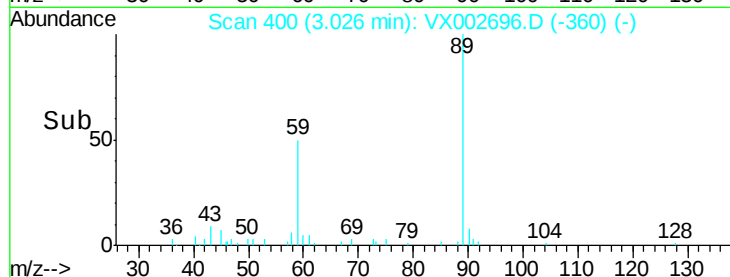
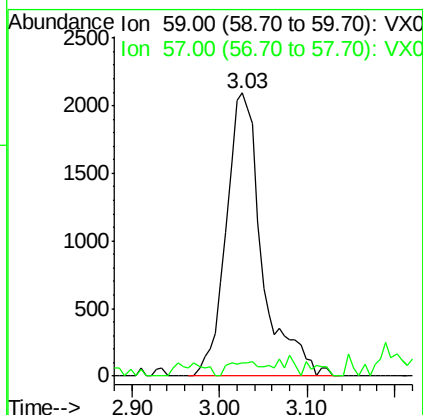
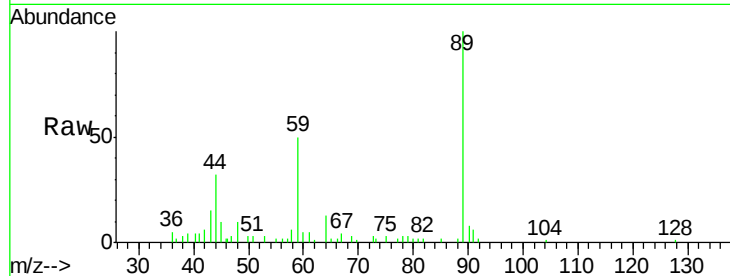


#11

Tert butyl alcohol
 Concen: 8.71 ug/l
 RT: 3.03 min Scan# 400
 Delta R.T. -0.05 min
 Lab File: VX002696.D
 Acq: 18 Jun 2018 23:41

Instrument :
 MSVOA_X
 ClientSampleId :

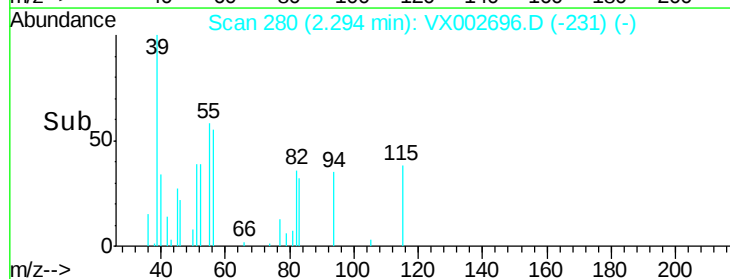
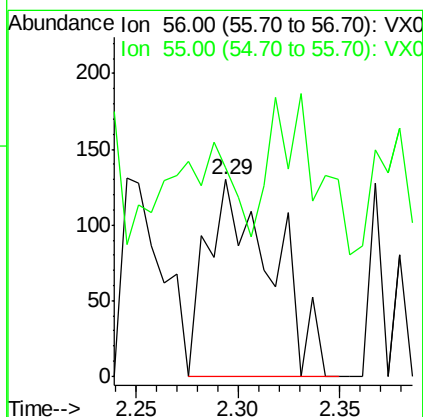
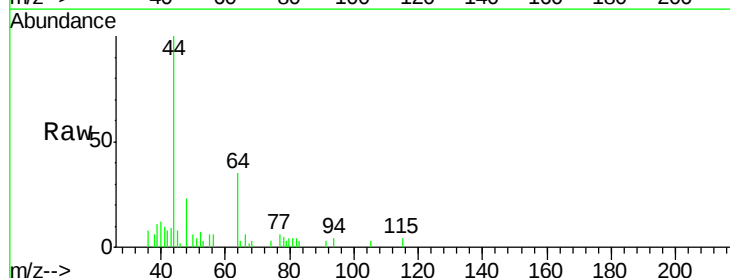
Tot Ion: 59 Resp: 5989
 Ion Ratio Lower Upper
 59 100
 57 4.3 8.2 12.2#

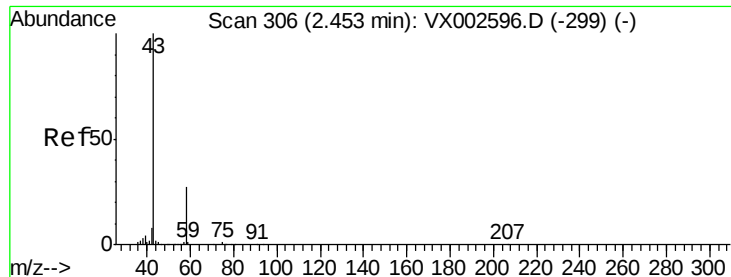


#13

Acrolein
 Concen: 7.73 ug/l
 RT: 2.29 min Scan# 280
 Delta R.T. 0.00 min
 Lab File: VX002696.D
 Acq: 18 Jun 2018 23:41

Tgt Ion: 56 Resp: 288
 Ion Ratio Lower Upper
 56 100
 55 43.8 57.0 85.4#





#16

Acetone

Concen: 3.92 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.00 min

Lab File: VX002696.D

Acq: 18 Jun 2018 23:41

Instrument :

MSVOA_X

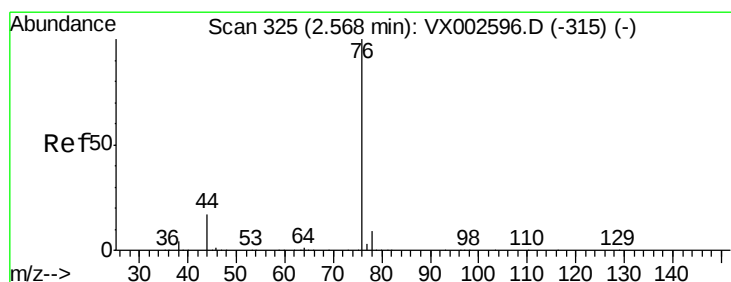
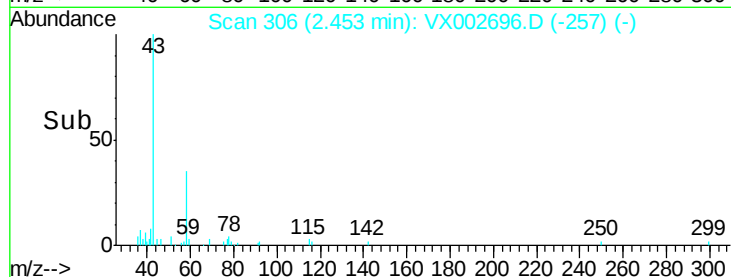
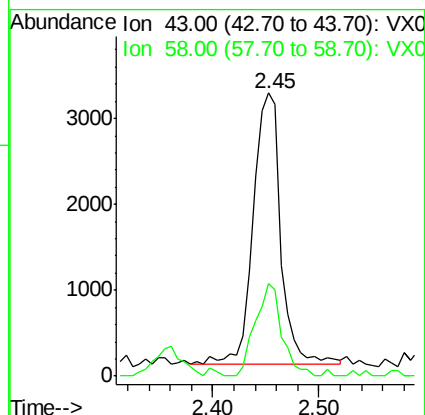
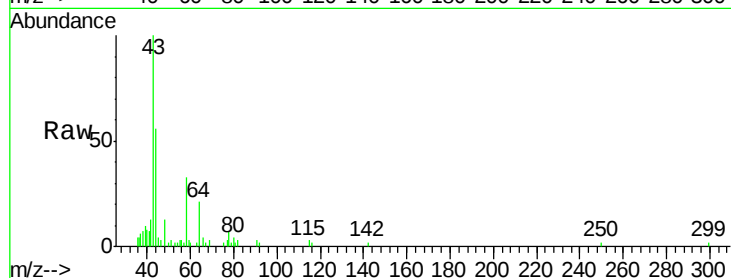
ClientSampled :

Tot Ion: 43 Resp: 5756

Ion Ratio Lower Upper

43 100

58 34.2 22.1 33.1#



#17

Carbon Disulfide

Concen: 0.30 ug/l

RT: 2.57 min Scan# 325

Delta R.T. 0.00 min

Lab File: VX002696.D

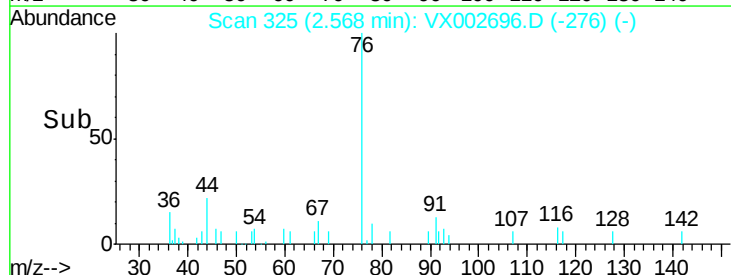
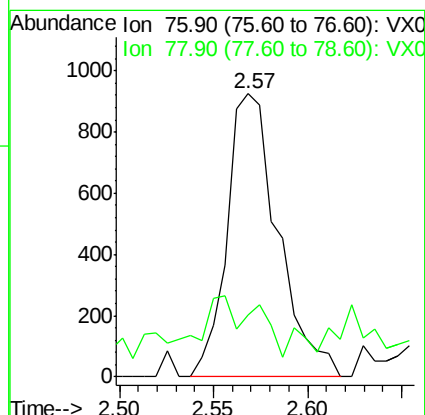
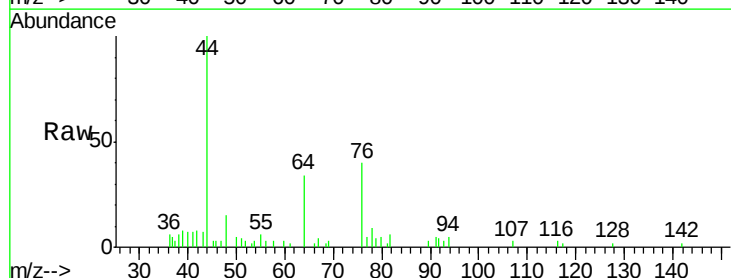
Acq: 18 Jun 2018 23:41

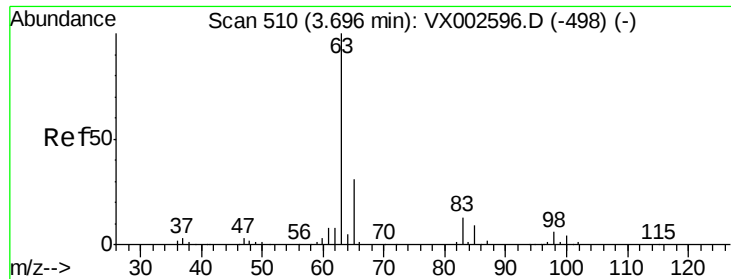
Tgt Ion: 76 Resp: 1731

Ion Ratio Lower Upper

76 100

78 8.5 6.9 10.3





#24

1,1-Dichloroethane

Concen: 0.21 ug/l

RT: 3.70 min Scan# 511

Delta R.T. 0.01 min

Lab File: VX002696.D

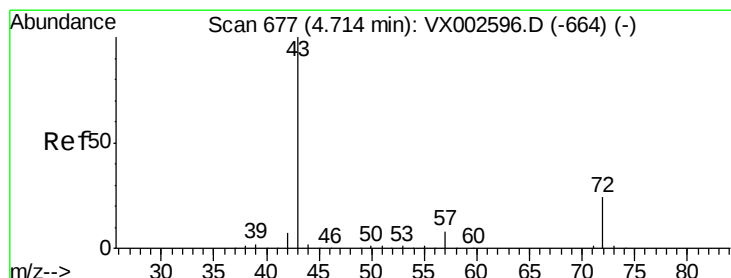
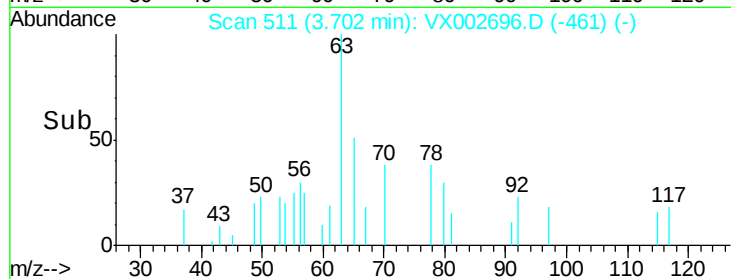
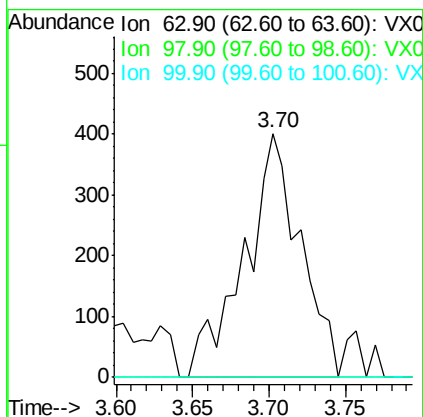
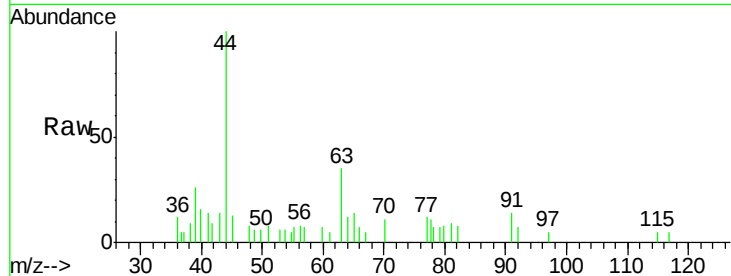
Acq: 18 Jun 2018 23:41

Instrument :

MSVOA_X

ClientSampled :

Tot Ion:	63	Resp:	1021
Ion	Ratio	Lower	Upper
63	100		
98	0.0	3.4	10.2#
100	0.0	2.0	6.0#



#25

2-Butanone

Concen: 0.45 ug/l

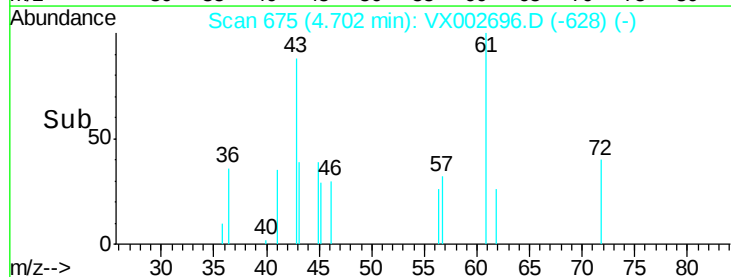
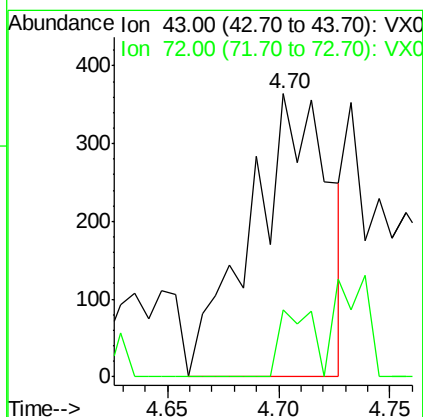
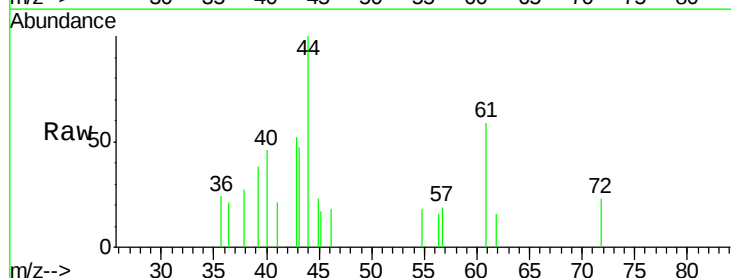
RT: 4.70 min Scan# 675

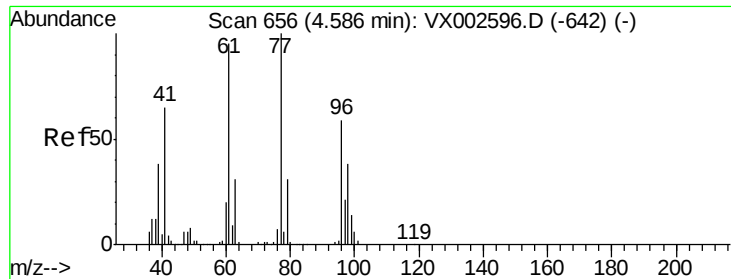
Delta R.T. -0.01 min

Lab File: VX002696.D

Acq: 18 Jun 2018 23:41

Tgt Ion:	43	Resp:	877
Ion	Ratio	Lower	Upper
43	100		
72	23.6	18.5	27.7

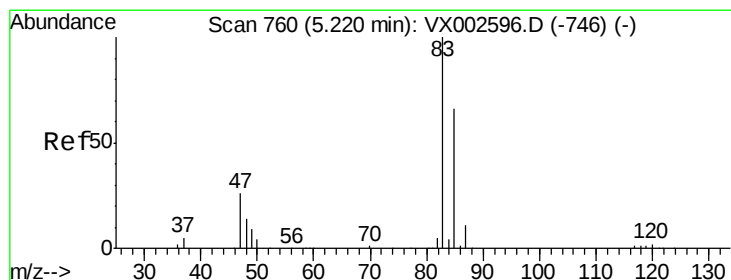
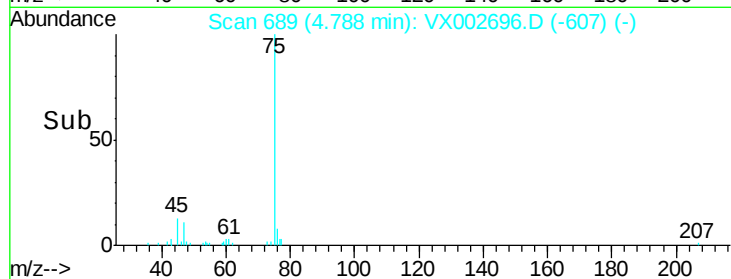
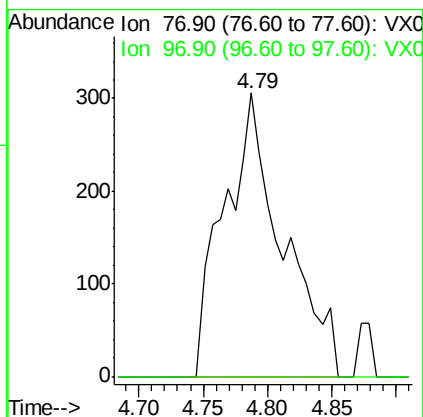
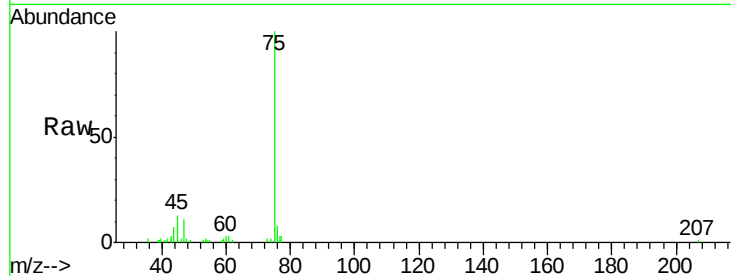




#26
 2,2-Dichloropropane
 Concen: 0.28 ug/l
 RT: 4.79 min Scan# 689
 Delta R.T. 0.20 min
 Lab File: VX002696.D
 Acq: 18 Jun 2018 23:41

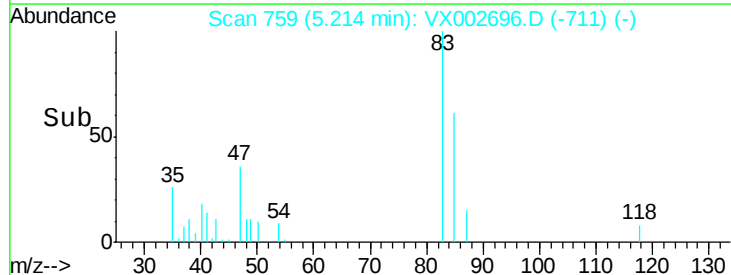
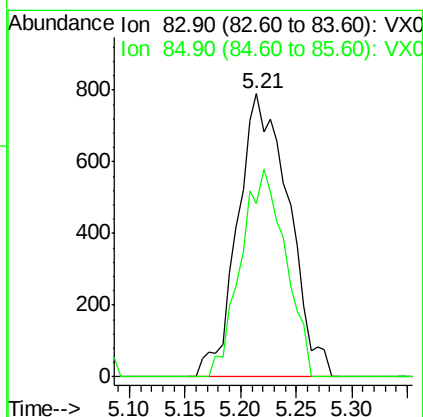
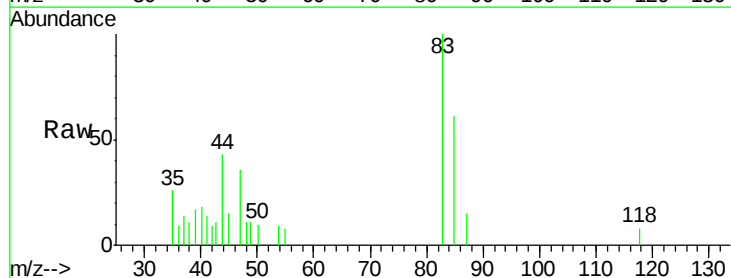
Instrument :
 MSVOA_X
 ClientSampled :

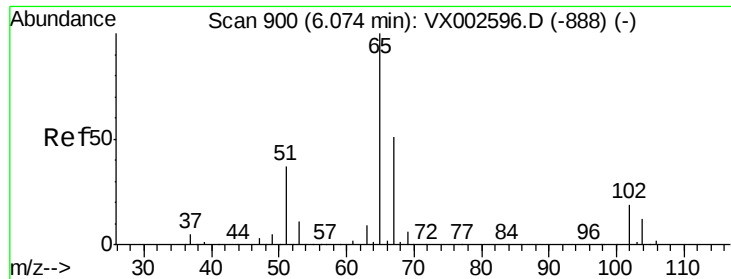
Tot Ion: 77 Resp: 967
 Ion Ratio Lower Upper
 77 100
 97 0.0 11.2 33.5#



#30
 Chloroform
 Concen: 0.55 ug/l
 RT: 5.21 min Scan# 759
 Delta R.T. -0.01 min
 Lab File: VX002696.D
 Acq: 18 Jun 2018 23:41

Tgt Ion: 83 Resp: 2518
 Ion Ratio Lower Upper
 83 100
 85 61.3 50.4 75.6

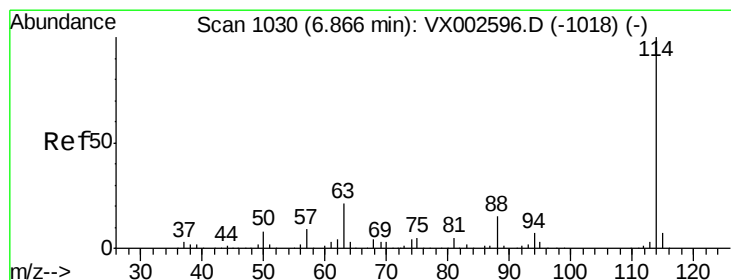
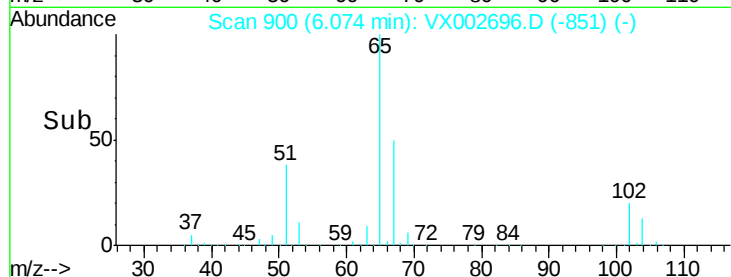
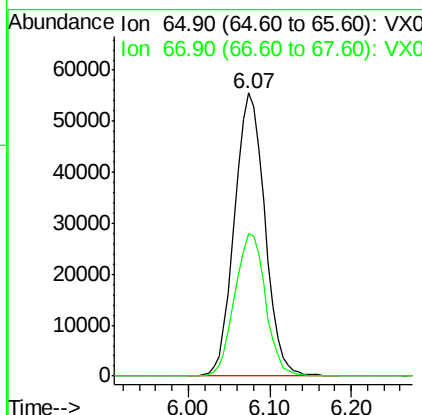
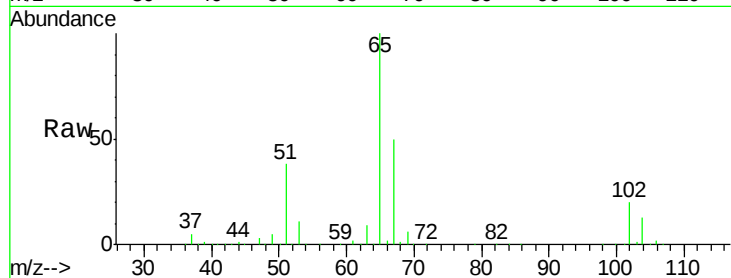




#33
 1,2-Dichloroethane-d4
 Concen: 42.99 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX002696.D
 Acq: 18 Jun 2018 23:41

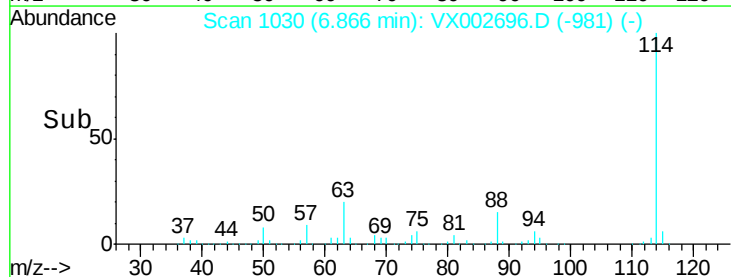
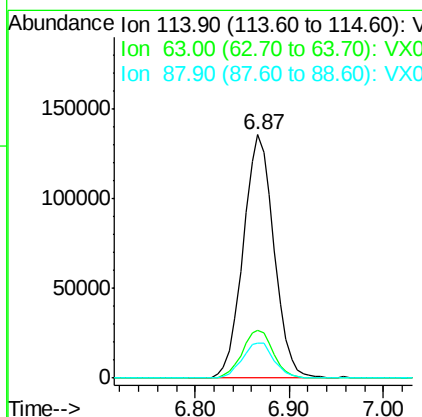
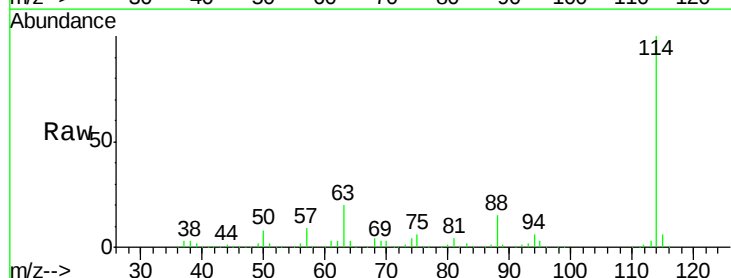
Instrument :
 MSVOA_X
 ClientSampleId :

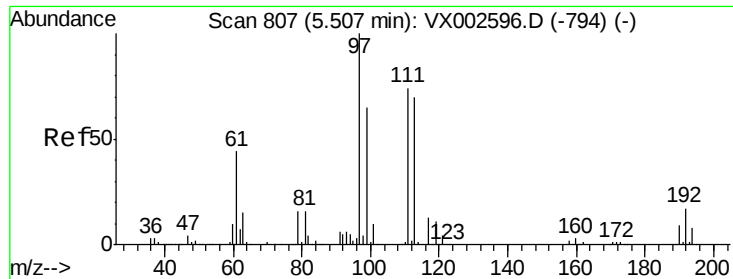
Tot Ion: 65 Resp: 143017
 Ion Ratio Lower Upper
 65 100
 67 51.1 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX002696.D
 Acq: 18 Jun 2018 23:41

Tgt Ion: 114 Resp: 308978
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 41.4
 88 14.6 0.0 30.0





#35

Dibromofluoromethane

Concen: 46.30 ug/l

RT: 5.51 min Scan# 808

Delta R.T. 0.01 min

Lab File: VX002696.D

Acq: 18 Jun 2018 23:41

Instrument :
MSVOA_X
ClientSampled :

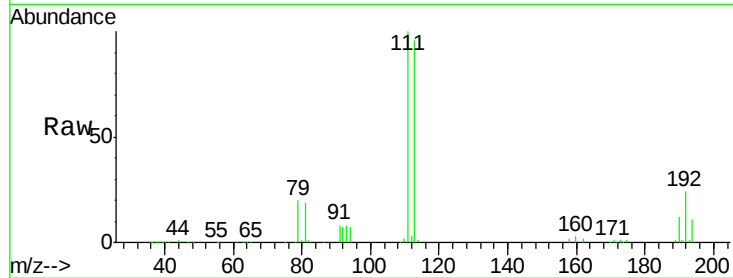
Tot Ion:113 Resp: 114175

Ion Ratio Lower Upper

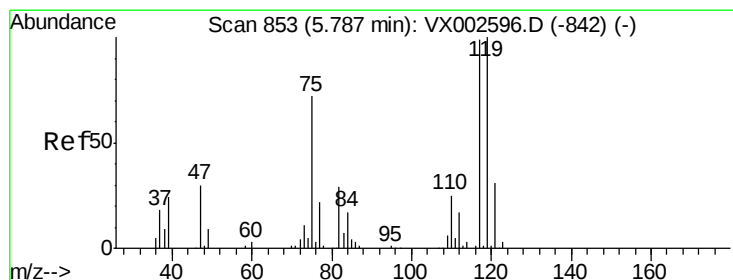
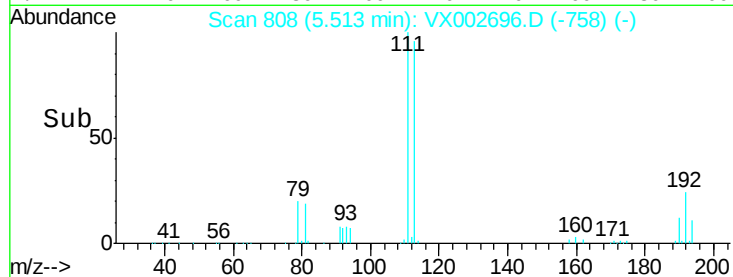
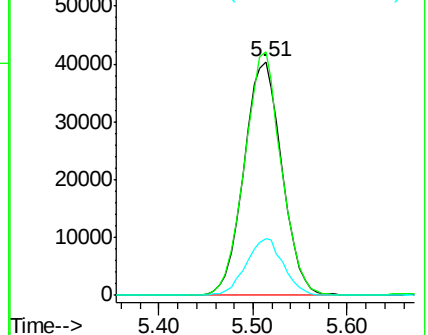
113 100

111 101.1 81.4 122.0

192 23.9 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: 6.16 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX002696.D

Acq: 18 Jun 2018 23:41

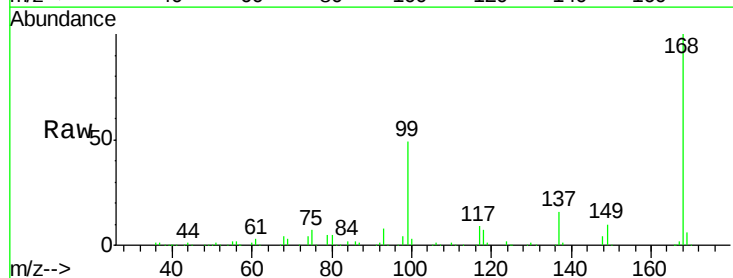
Tgt Ion:117 Resp: 20142

Ion Ratio Lower Upper

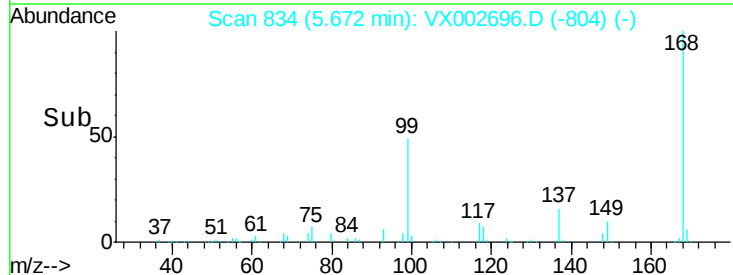
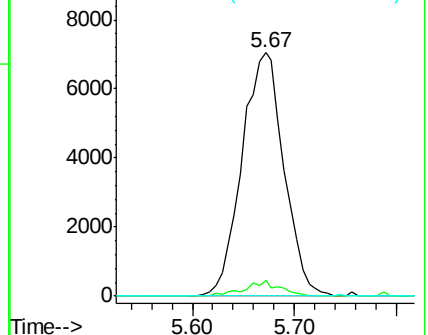
117 100

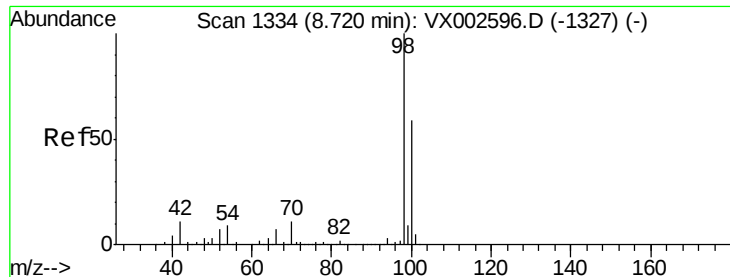
119 6.4 77.4 116.0#

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

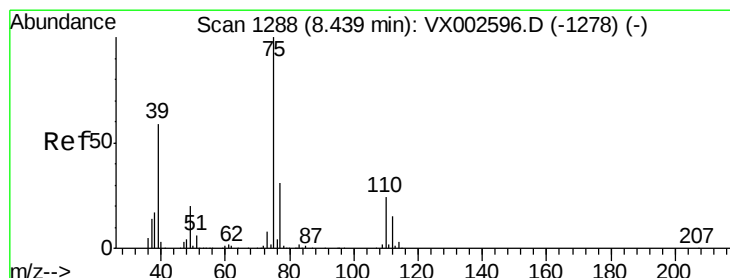
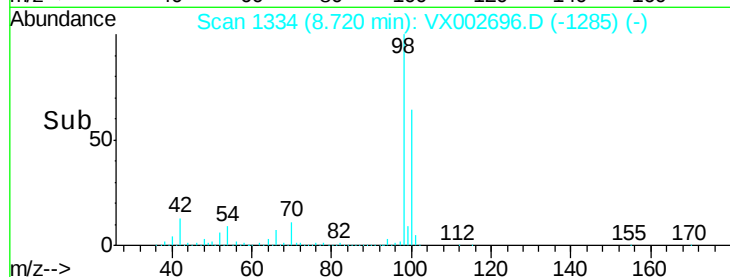
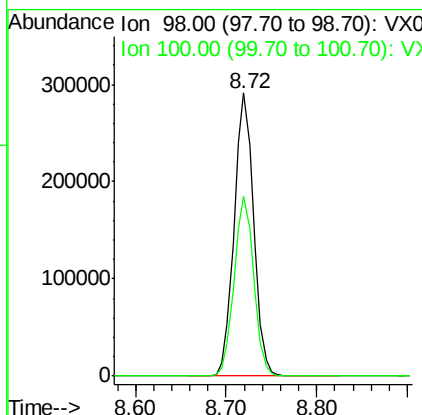
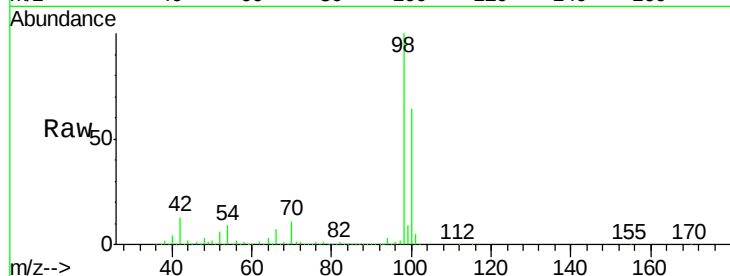




#50
Toluene-d8
Concen: 46.42 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX002696.D
Acq: 18 Jun 2018 23:41

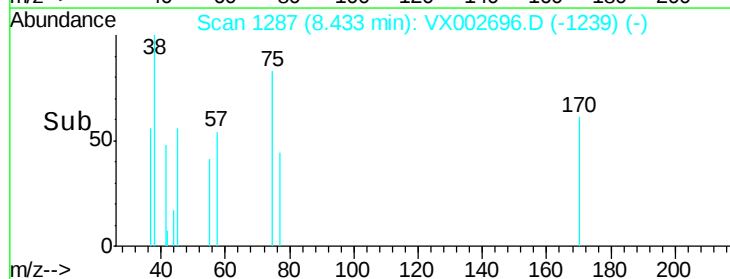
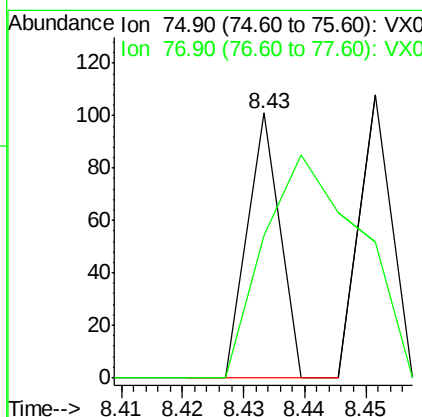
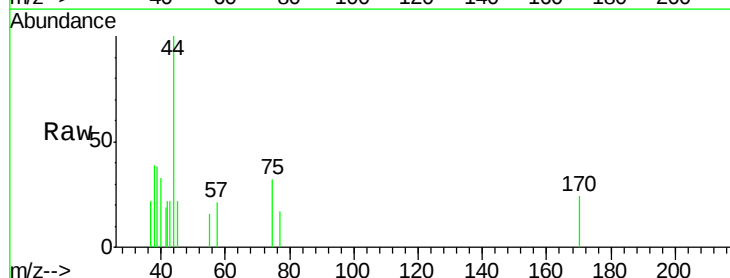
Instrument :
MSVOA_X
ClientSampleId :

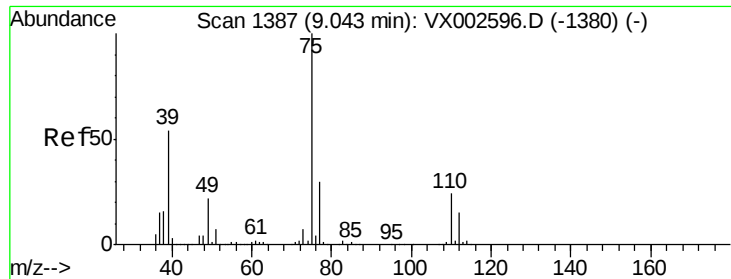
Tot Ion: 98 Resp: 434653
Ion Ratio Lower Upper
98 100
100 63.8 50.9 76.3



#53
t-1,3-Dichloropropene
Concen: 2.40 ug/l
RT: 8.43 min Scan# 1287
Delta R.T. -0.01 min
Lab File: VX002696.D
Acq: 18 Jun 2018 23:41

Tgt Ion: 75 Resp: 37
Ion Ratio Lower Upper
75 100
77 53.5 25.4 38.2#

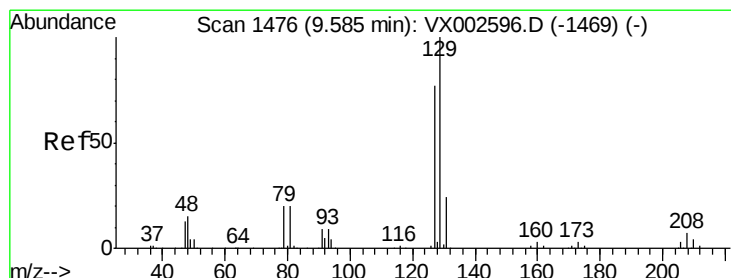
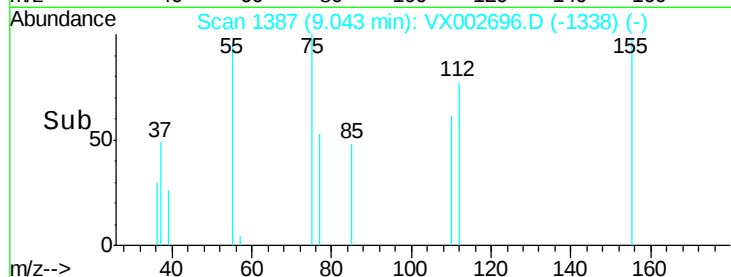
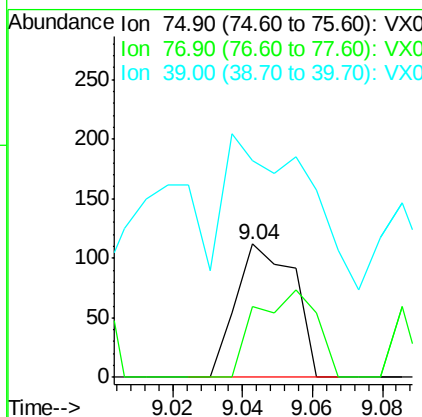
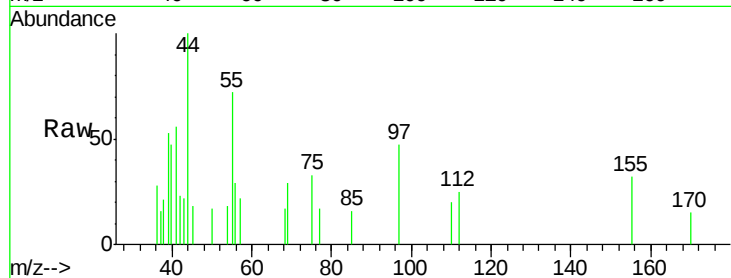




#54
 cis-1,3-Dichloropropene
 Concen: 3.24 ug/l
 RT: 9.04 min Scan# 1387
 Delta R.T. 0.00 min
 Lab File: VX002696.D
 Acq: 18 Jun 2018 23:41

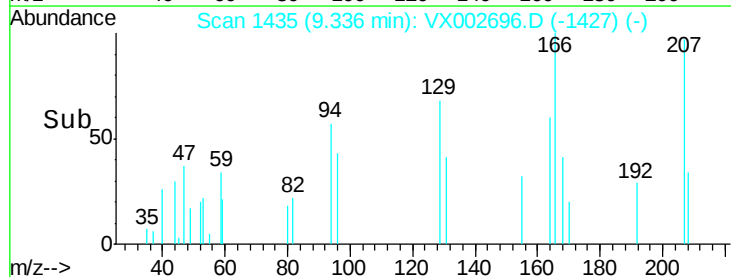
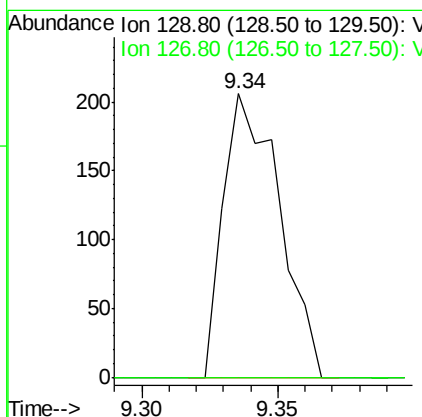
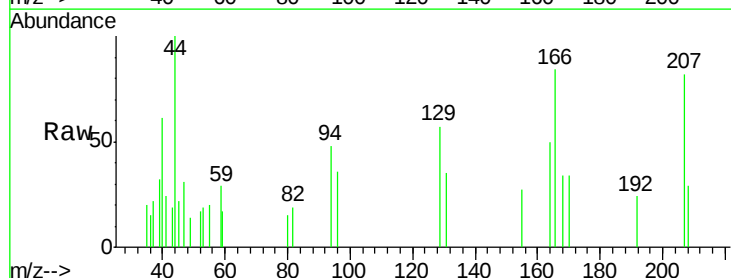
Instrument :
 MSVOA_X
 ClientSampleId :

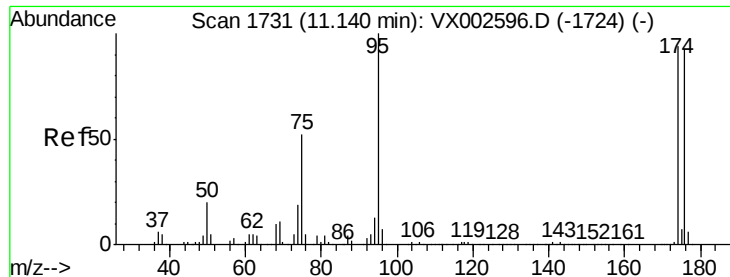
Tot Ion: 75 Resp: 129
 Ion Ratio Lower Upper
 75 100
 77 52.7 24.8 37.2#
 39 67.0 42.4 63.6#



#60
 Dibromochloromethane
 Concen: 3.86 ug/l
 RT: 9.34 min Scan# 1435
 Delta R.T. -0.25 min
 Lab File: VX002696.D
 Acq: 18 Jun 2018 23:41

Tgt Ion: 129 Resp: 293
 Ion Ratio Lower Upper
 129 100
 127 0.0 38.5 115.3#

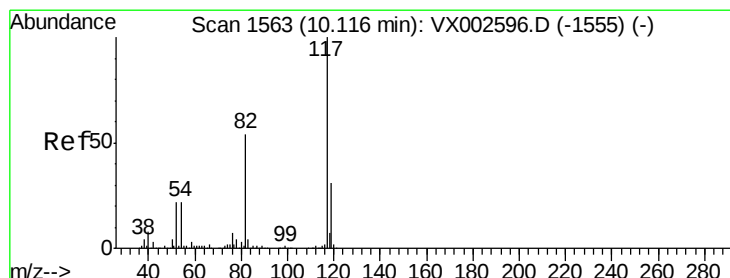
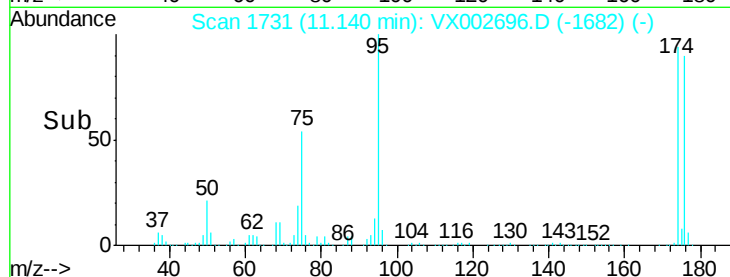
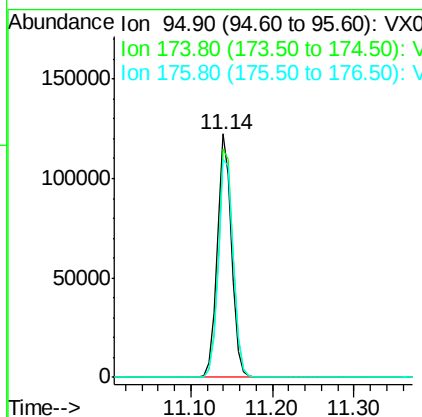
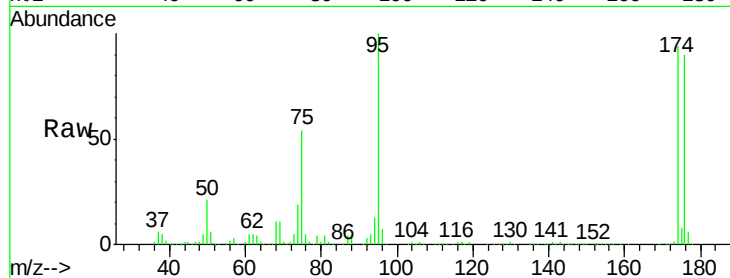




#62
4-Bromofluorobenzene
Concen: 43.05 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX002696.D
Acq: 18 Jun 2018 23:41

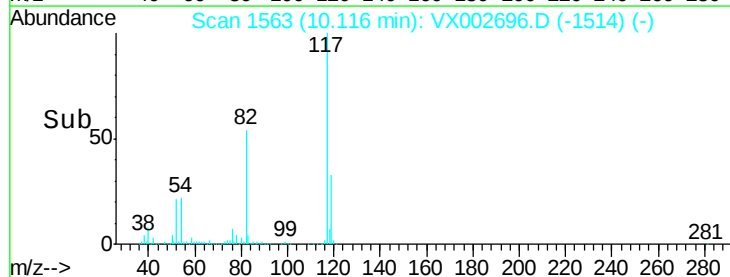
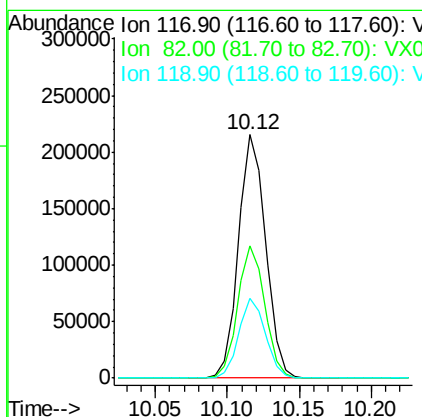
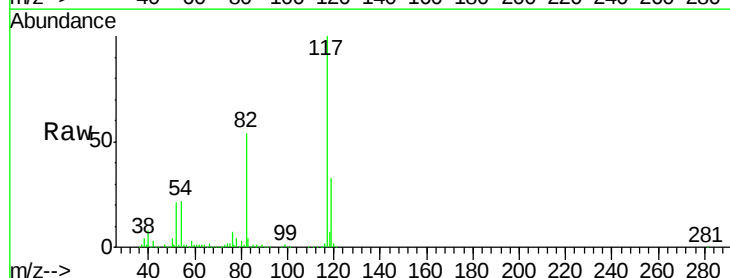
Instrument :
MSVOA_X
ClientSampleId :

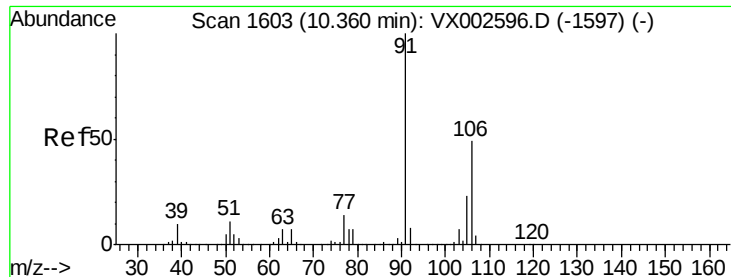
Tot Ion: 95 Resp: 152749
Ion Ratio Lower Upper
95 100
174 97.0 0.0 187.4
176 93.3 0.0 181.0



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX002696.D
Acq: 18 Jun 2018 23:41

Tgt Ion: 117 Resp: 283554
Ion Ratio Lower Upper
117 100
82 54.1 45.0 67.4
119 32.6 25.8 38.6

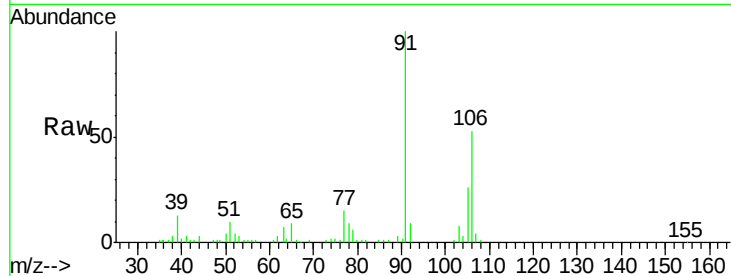




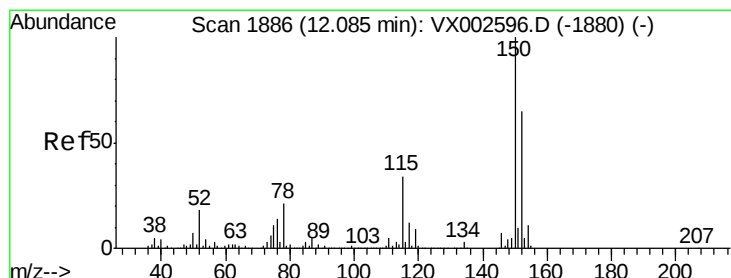
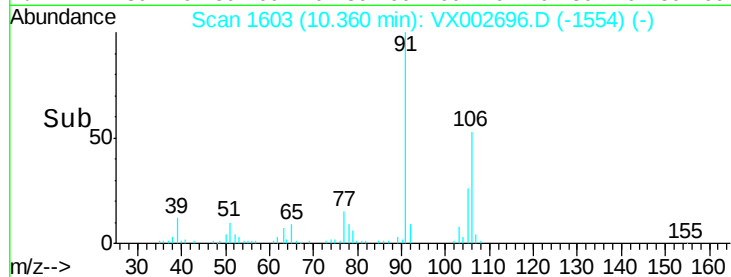
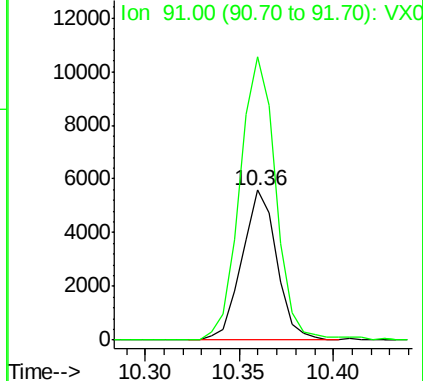
#68
m/p-Xvlenes
Concen: 1.58 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VX002696.D
Acq: 18 Jun 2018 23:41

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:106 Resp: 7167
Ion Ratio Lower Upper
106 100
91 195.1 163.4 245.2

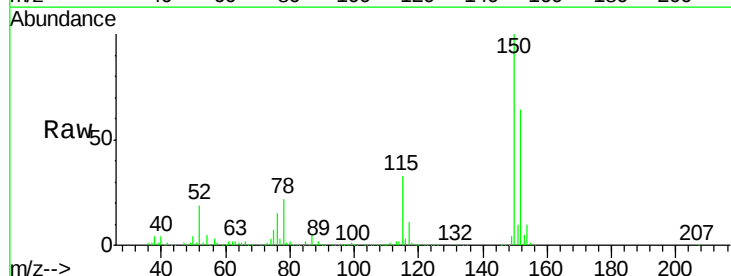


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

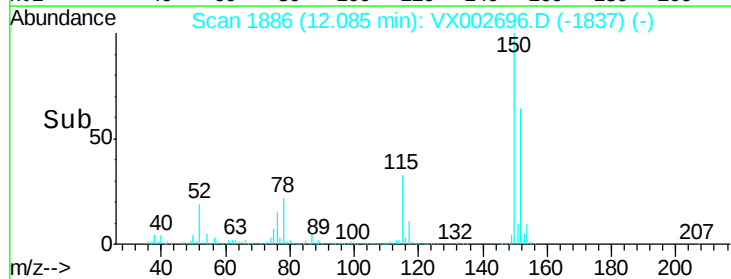
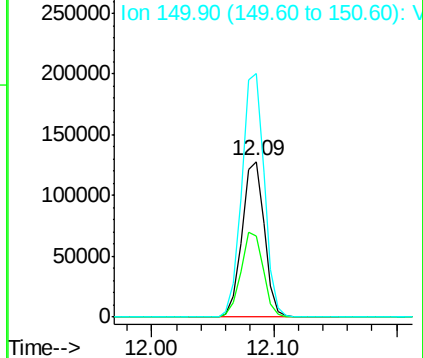


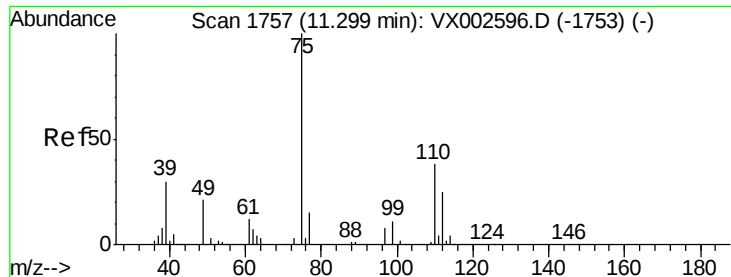
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX002696.D
Acq: 18 Jun 2018 23:41

Tgt Ion:152 Resp: 160858
Ion Ratio Lower Upper
152 100
115 54.5 40.1 120.2
150 157.7 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: 26.73 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX002696.D

Acq: 18 Jun 2018 23:41

Instrument :

MSVOA_X

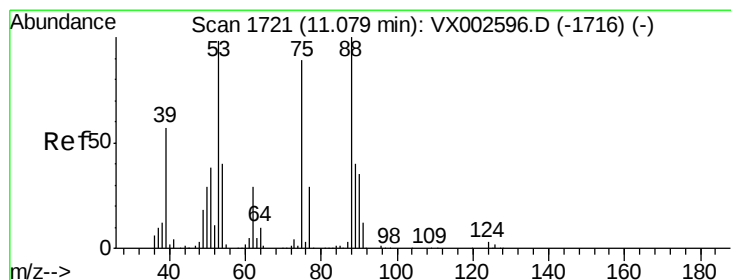
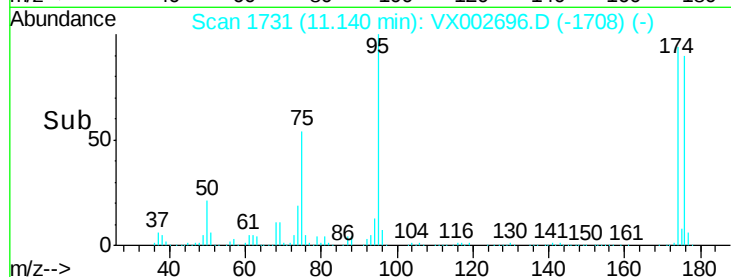
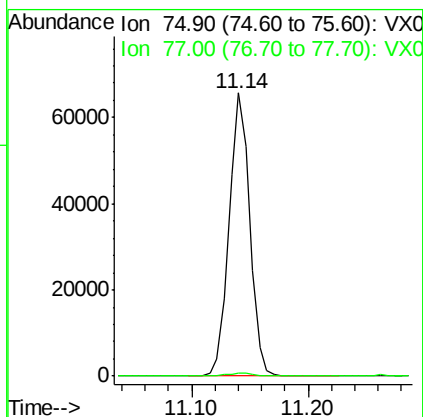
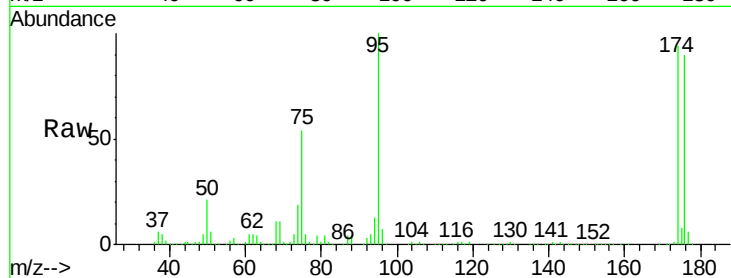
ClientSampleId :

Tot Ion: 75 Resp: 81142

Ion Ratio Lower Upper

75 100

77 1.4 22.8 68.3#



#81

trans-1,4-Dichloro-2-butene

Concen: 82.56 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX002696.D

Acq: 18 Jun 2018 23:41

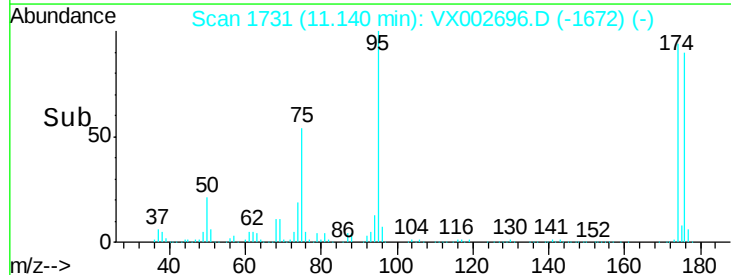
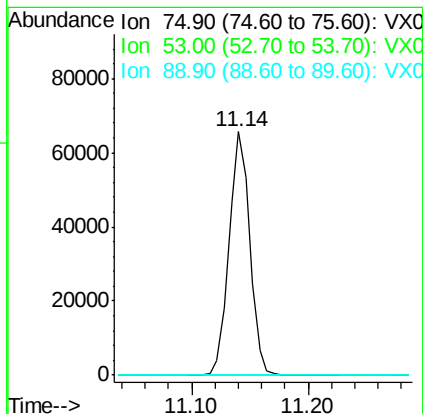
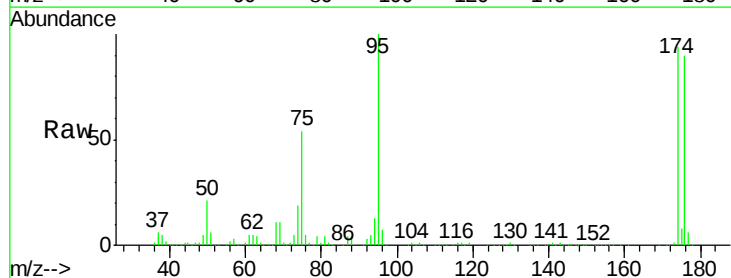
Tgt Ion: 75 Resp: 81142

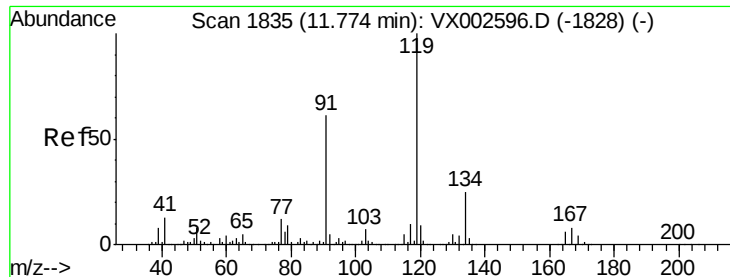
Ion Ratio Lower Upper

75 100

53 0.2 86.8 130.2#

89 0.0 38.2 57.2#

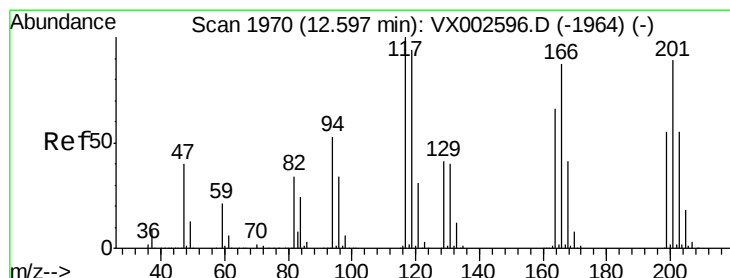
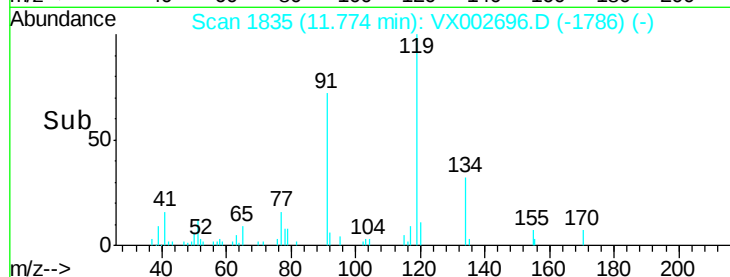
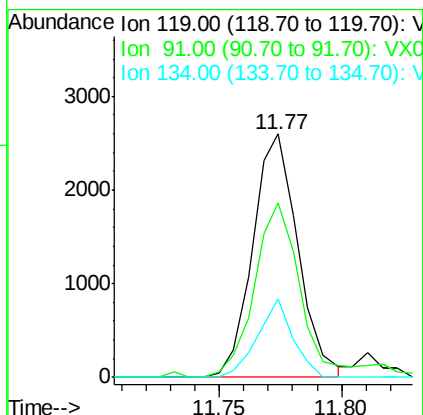
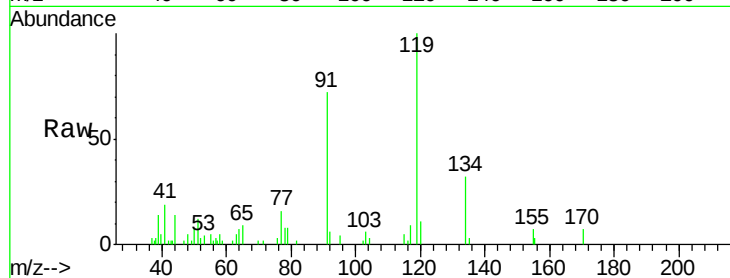




#83
tert-Butylbenzene
Concen: 0.38 ug/l
RT: 11.77 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX002696.D
Acq: 18 Jun 2018 23:41

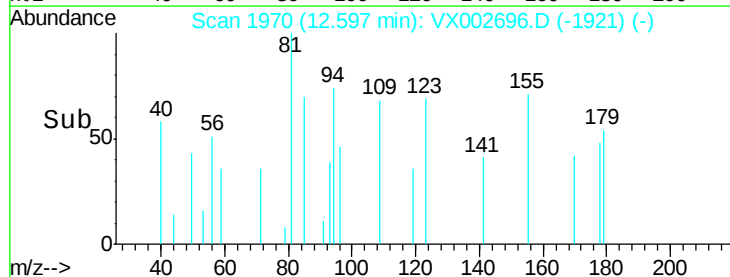
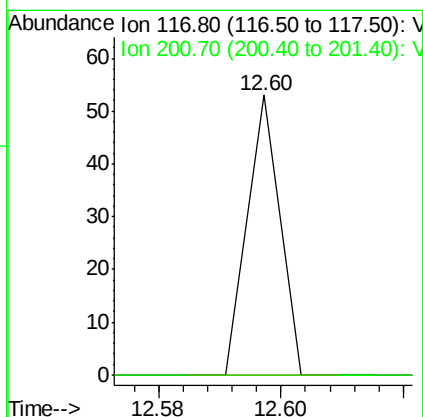
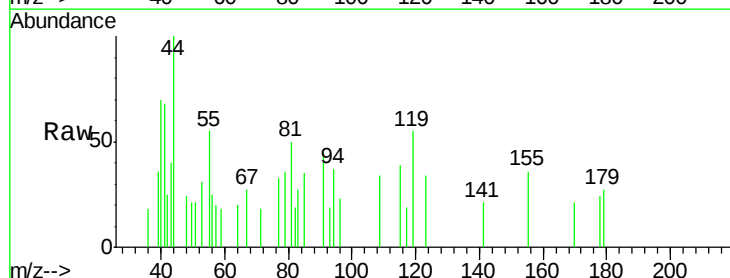
Instrument :
MSVOA_X
ClientSampleId :

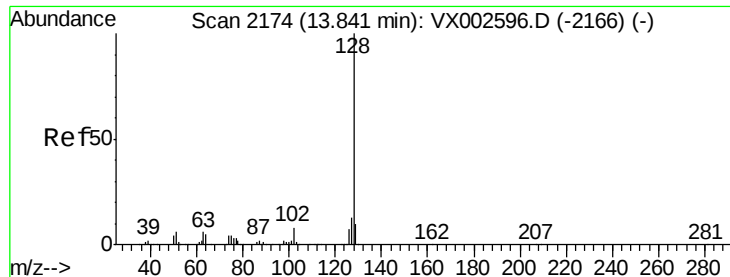
Tot Ion:119 Resp: 3338
Ion Ratio Lower Upper
119 100
91 76.6 30.3 90.9
134 25.4 11.7 35.1



#90
Hexachloroethane
Concen: 2.64 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VX002696.D
Acq: 18 Jun 2018 23:41

Tgt Ion:117 Resp: 19
Ion Ratio Lower Upper
117 100
201 0.0 49.0 147.0#

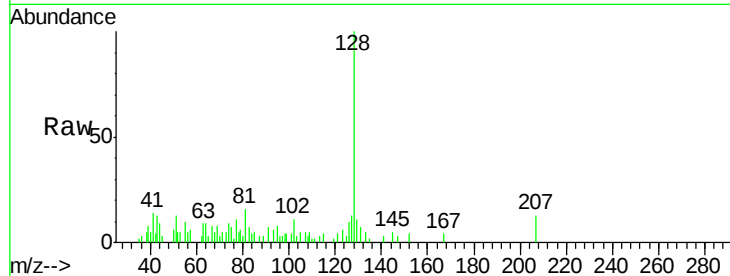




#95
Naphthalene
Concen: 0.30 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. 0.00 min
Lab File: VX002696.D
Acq: 18 Jun 2018 23:41

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:128 Resp: 3203
Ion Ratio Lower Upper
128 100
127 21.9 10.4 15.6#
129 17.2 8.6 13.0#



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

