

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061618\
 Data File : VX002662.D
 Acq On : 16 Jun 2018 22:04
 Operator : JC/MD
 Sample : J3485-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FB-061318-03

Quant Time: Jun 18 01:41:07 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061518W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 16 01:37:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	210791	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	302346	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	278403	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	150049	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	143083	44.67	ug/l	0.00
Spiked Amount			Recovery	=	89.34%	
35) Dibromofluoromethane	5.51	113	111410	46.17	ug/l	0.00
Spiked Amount			Recovery	=	92.34%	
50) Toluene-d8	8.72	98	427456	46.65	ug/l	0.00
Spiked Amount			Recovery	=	93.30%	
62) 4-Bromofluorobenzene	11.14	95	144490	41.62	ug/l	0.00
Spiked Amount			Recovery	=	83.24%	

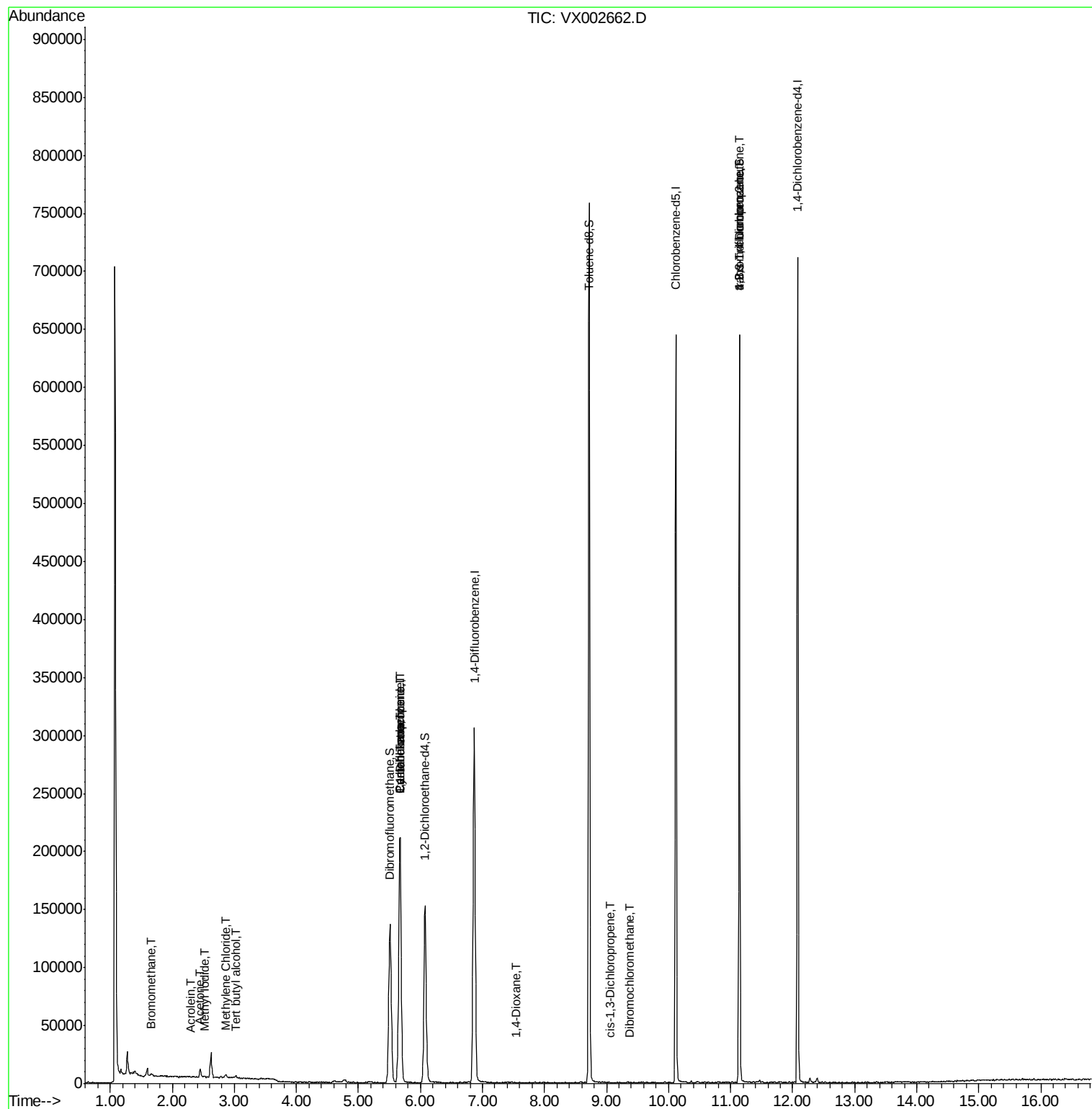
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.66	94	1250	0.750	ug/l	87
10) Methyl Iodide	2.53	142	1108	5.475	ug/l	90
11) Tert butyl alcohol	3.03	59	1180	1.782	ug/l #	83
13) Acrolein	2.31	56	71	7.086	ug/l	91
16) Acetone	2.45	43	7731	5.470	ug/l	97
20) Methylene Chloride	2.86	84	1113	0.384	ug/l #	93
31) Cyclohexane	5.66	56	4590	1.214	ug/l #	34
36) 1,1-Dichloropropene	5.67	75	14444	4.498	ug/l #	51
38) Carbon Tetrachloride	5.67	117	19300	6.036	ug/l #	17
49) 1,4-Dioxane	7.54	88	19	0.326	ug/l #	1
54) cis-1,3-Dichloropropene	9.07	75	22	3.218	ug/l #	78
60) Dibromochloromethane	9.37	129	24	3.768	ug/l #	11
76) 1,2,3-Trichloropropane	11.14	75	78919	27.873	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.14	75	78919	85.908	ug/l #	7

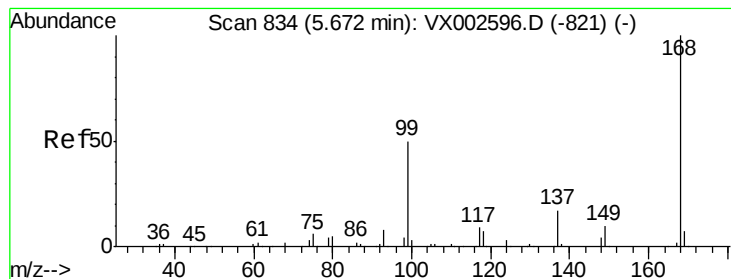
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Jun 16 01:37:33 2018
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.00 min

Lab File: VX002662.D

Acq: 16 Jun 2018 22:04

Instrument :

MSVOA_X

ClientSampleId :

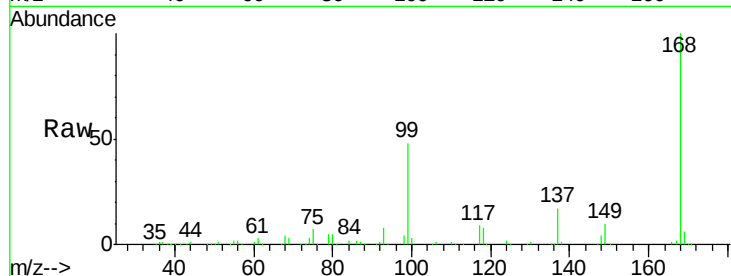
FB-061318-03

Tot Ion:168 Resp: 210791

Ion Ratio Lower Upper

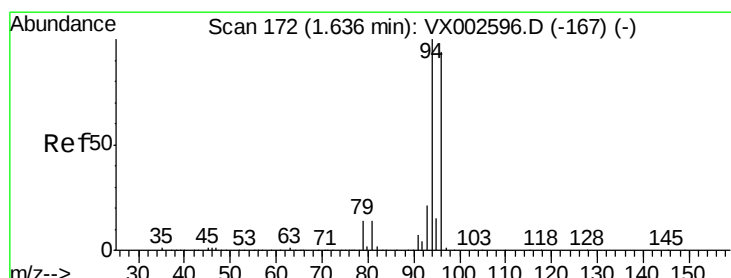
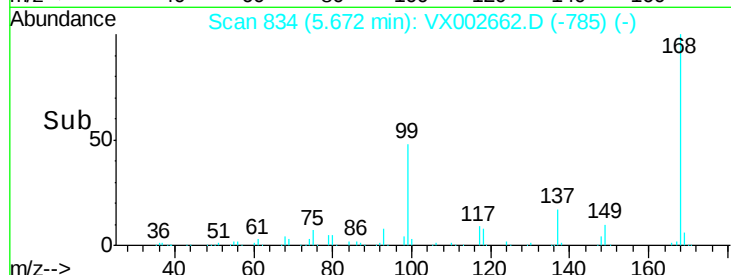
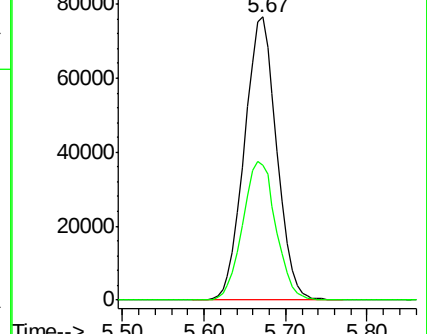
168 100

99 47.8 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: 0.750 ug/l

RT: 1.66 min Scan# 176

Delta R.T. 0.02 min

Lab File: VX002662.D

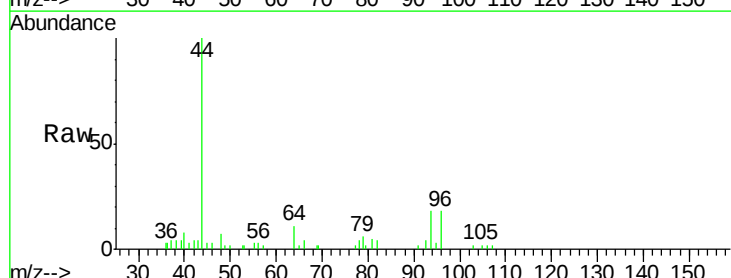
Acq: 16 Jun 2018 22:04

Tgt Ion: 94 Resp: 1250

Ion Ratio Lower Upper

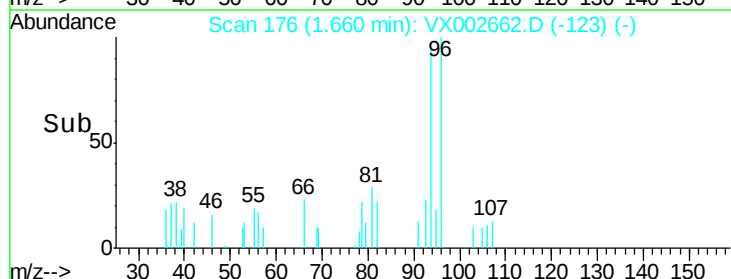
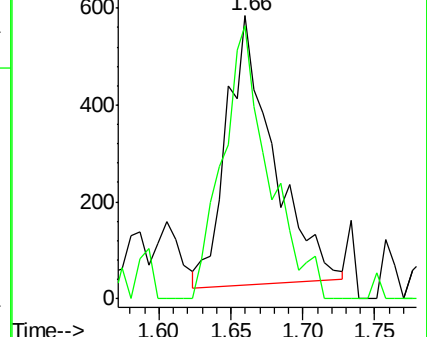
94 100

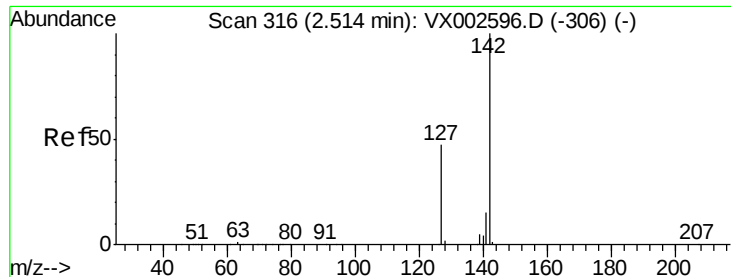
96 106.4 74.9 112.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

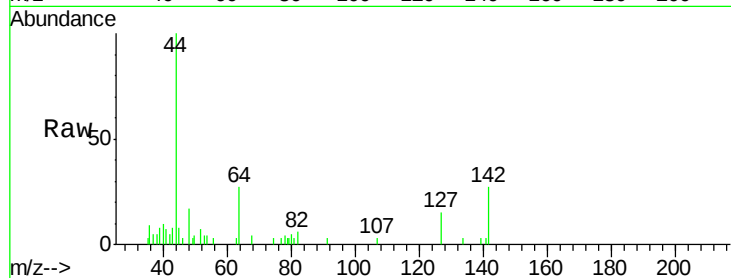




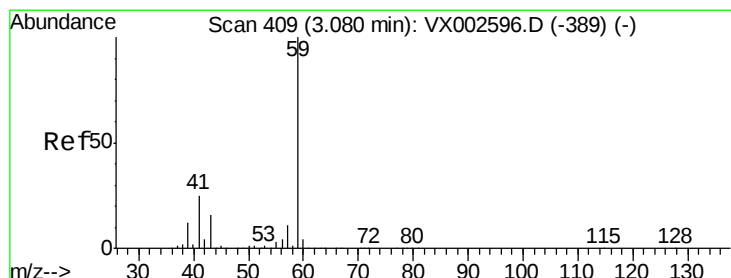
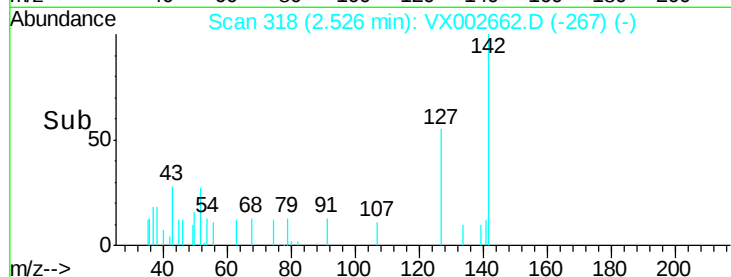
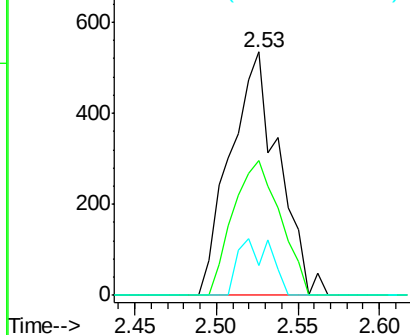
#10
Methyl Iodide
Concen: 5.475 ug/l
RT: 2.53 min Scan# 318
Delta R.T. 0.01 min
Lab File: VX002662.D
Acq: 16 Jun 2018 22:04

Instrument :
MSVOA_X
ClientSampled :
FB-061318-03

Tot Ion:142 Resp: 1108
Ion Ratio Lower Upper
142 100
127 53.7 36.6 55.0
141 15.4 11.3 16.9

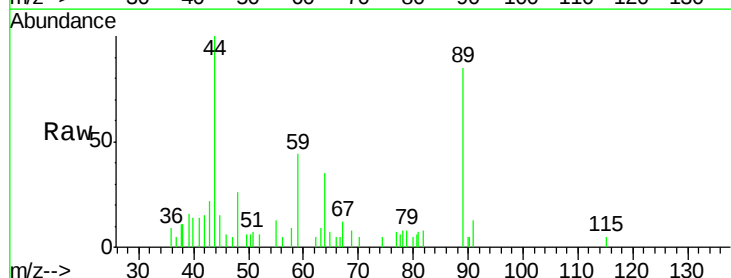


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

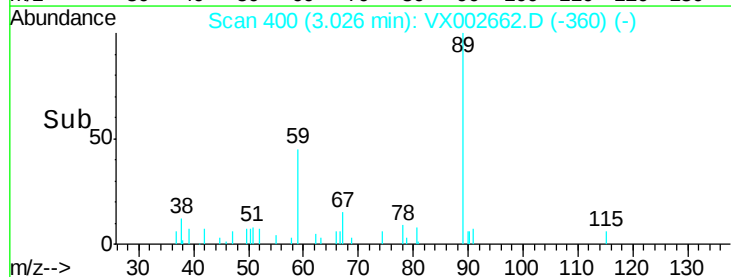
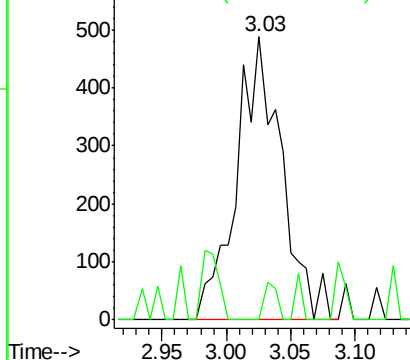


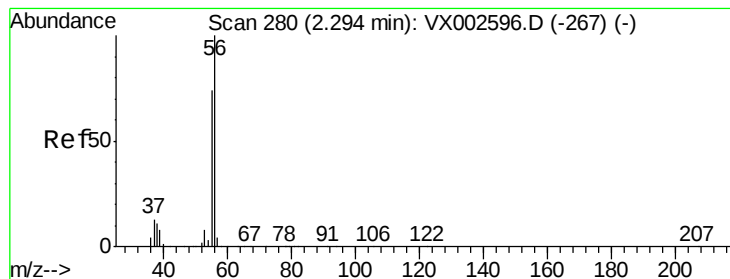
#11
Tert butyl alcohol
Concen: 1.782 ug/l
RT: 3.03 min Scan# 400
Delta R.T. -0.05 min
Lab File: VX002662.D
Acq: 16 Jun 2018 22:04

Tgt Ion: 59 Resp: 1180
Ion Ratio Lower Upper
59 100
57 3.7 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 7.086 ug/l

RT: 2.31 min Scan# 282

Delta R.T. 0.01 min

Lab File: VX002662.D

Acq: 16 Jun 2018 22:04

Instrument :

MSVOA_X

ClientSampleId :

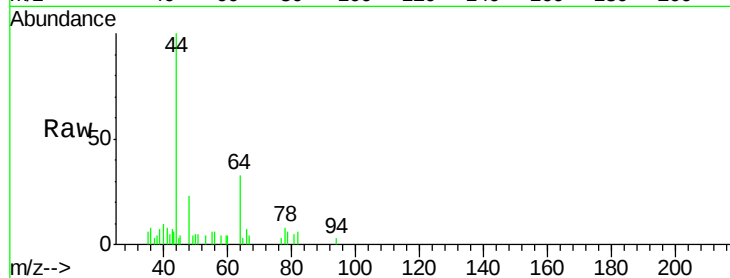
FB-061318-03

Tot Ion: 56 Resp: 71

Ion Ratio Lower Upper

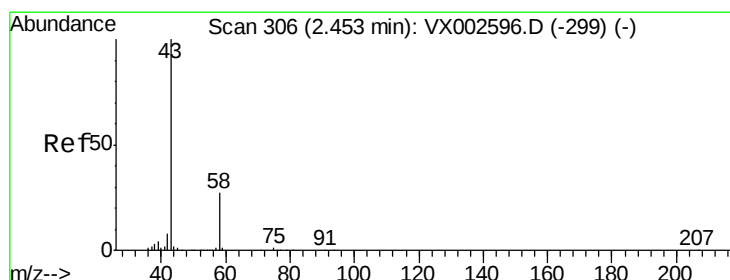
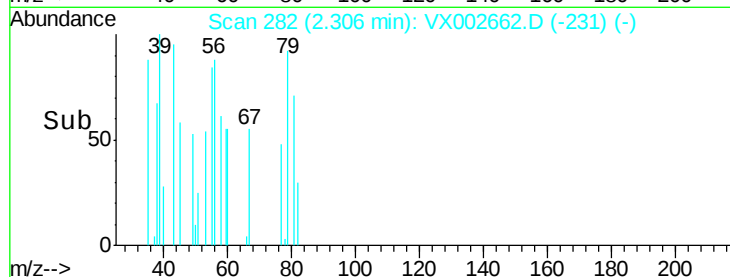
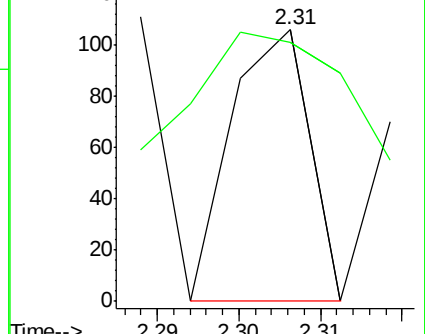
56 100

55 78.9 57.0 85.4



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 5.470 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX002662.D

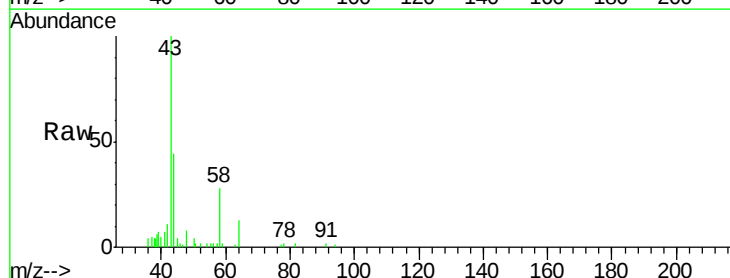
Acq: 16 Jun 2018 22:04

Tgt Ion: 43 Resp: 7731

Ion Ratio Lower Upper

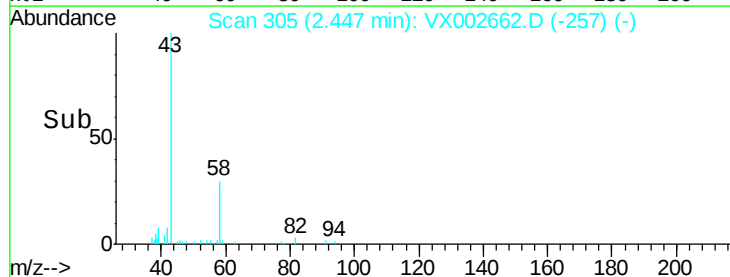
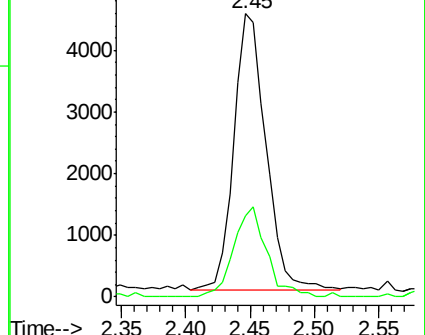
43 100

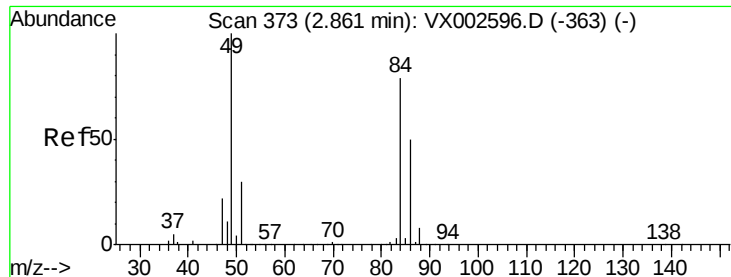
58 29.2 22.1 33.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

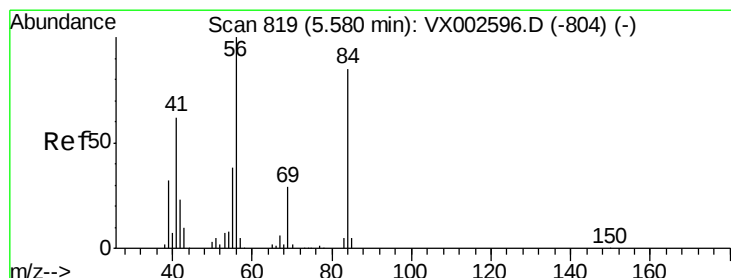
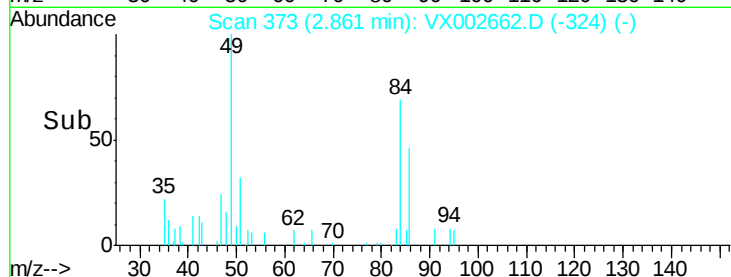
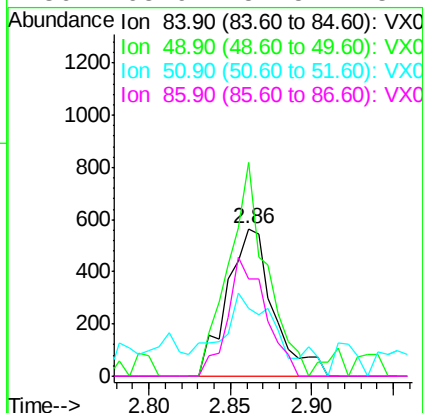
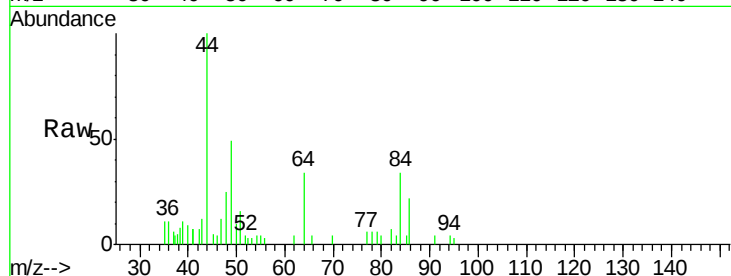




#20
Methvlene Chloride
Concen: 0.384 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX002662.D
Acq: 16 Jun 2018 22:04

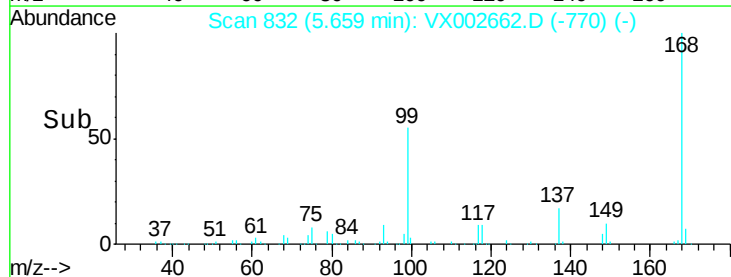
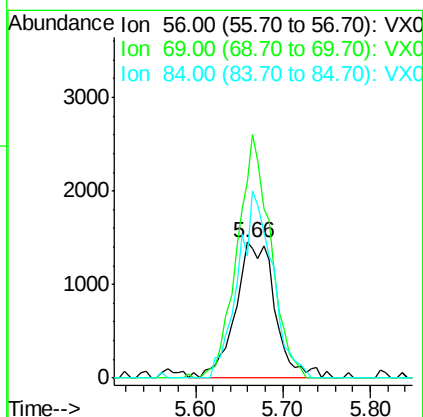
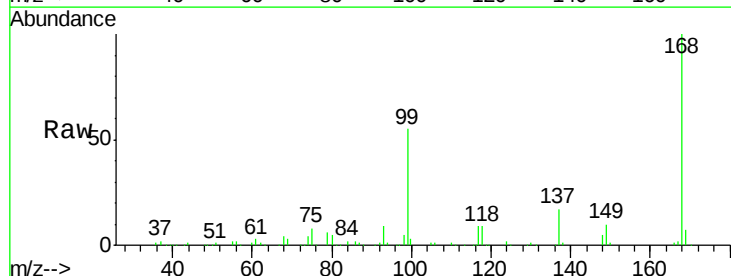
Instrument :
MSVOA_X
ClientSampleId :
FB-061318-03

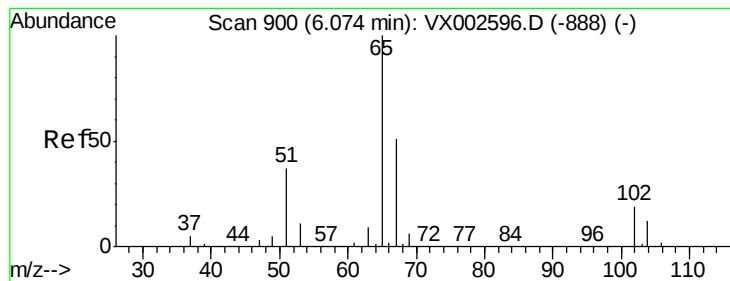
Tot Ion: 84 Resp: 1113
Ion Ratio Lower Upper
84 100
49 144.7 107.8 161.6
51 31.3 32.8 49.2#
86 65.9 52.5 78.7



#31
Cyclohexane
Concen: 1.214 ug/l
RT: 5.66 min Scan# 832
Delta R.T. 0.08 min
Lab File: VX002662.D
Acq: 16 Jun 2018 22:04

Tgt Ion: 56 Resp: 4590
Ion Ratio Lower Upper
56 100
69 144.4 23.7 35.5#
84 89.9 64.1 96.1





#33

1,2-Dichloroethane-d4

Concen: 44.668 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.00 min

Lab File: VX002662.D

Acq: 16 Jun 2018 22:04

Instrument :

MSVOA_X

ClientSampleId :

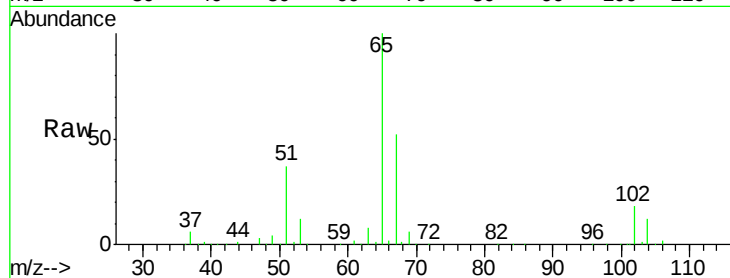
FB-061318-03

Tot Ion: 65 Resp: 143083

Ion Ratio Lower Upper

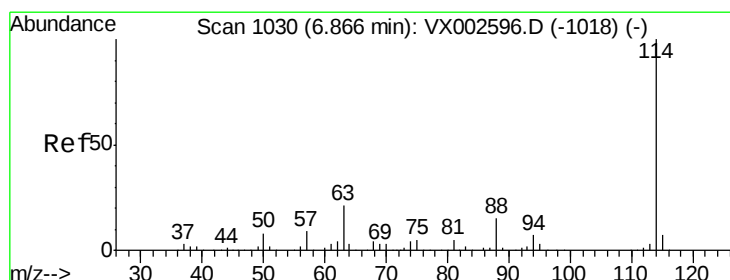
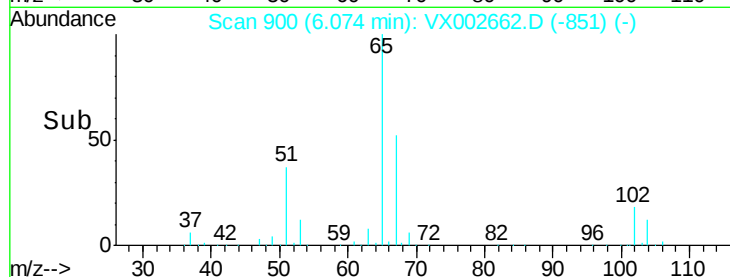
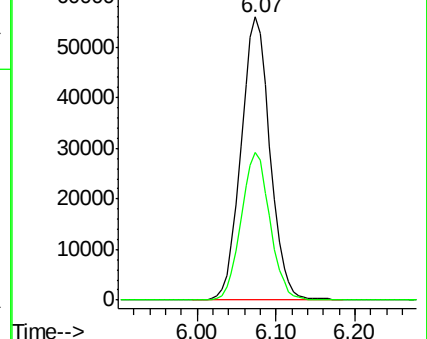
65 100

67 51.8 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VX002662.D

Acq: 16 Jun 2018 22:04

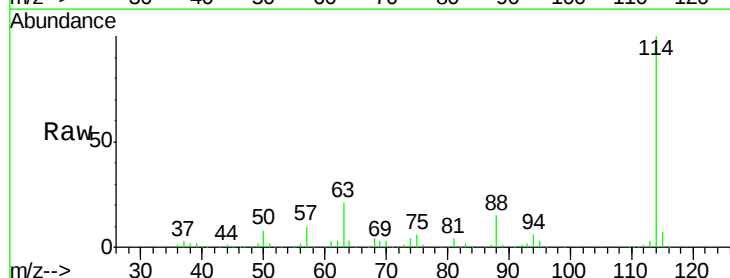
Tgt Ion: 114 Resp: 302346

Ion Ratio Lower Upper

114 100

63 20.6 0.0 41.4

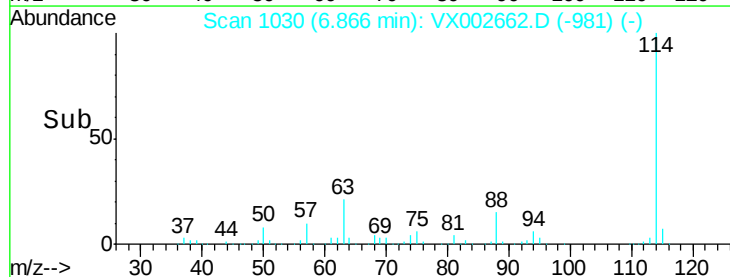
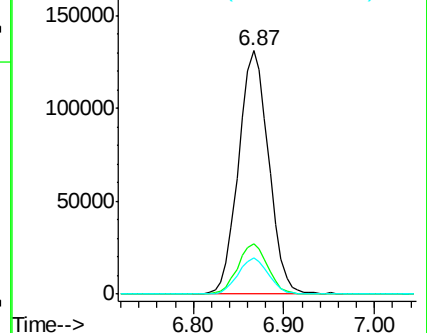
88 14.7 0.0 30.0

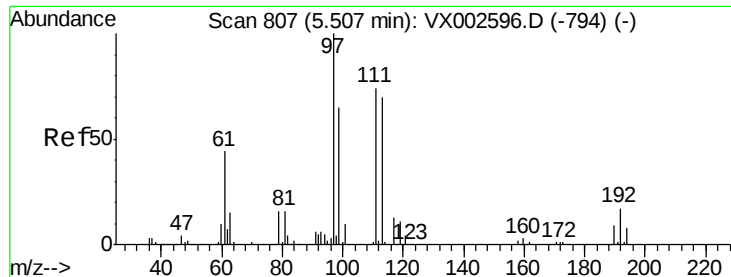


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 46.170 ug/l

RT: 5.51 min Scan# 808

Delta R.T. 0.01 min

Lab File: VX002662.D

Acq: 16 Jun 2018 22:04

Instrument :

MSVOA_X

ClientSampleId :

FB-061318-03

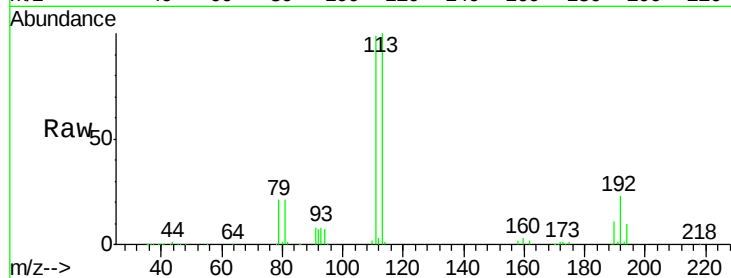
Tot Ion:113 Resp: 111410

Ion Ratio Lower Upper

113 100

111 101.3 81.4 122.0

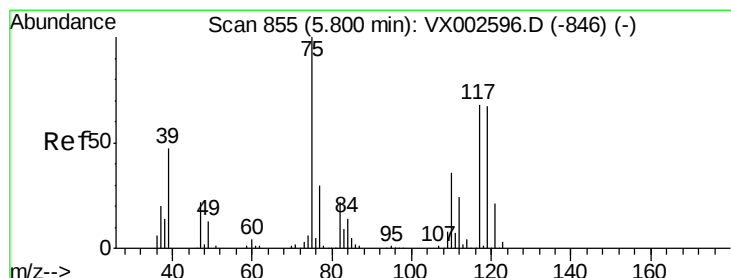
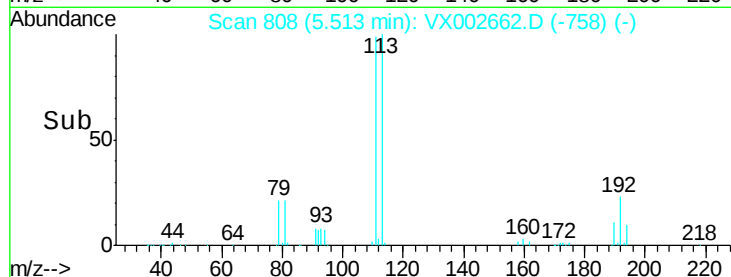
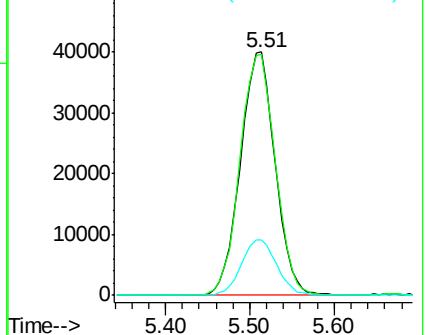
192 23.2 19.1 28.7



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: 4.498 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.13 min

Lab File: VX002662.D

Acq: 16 Jun 2018 22:04

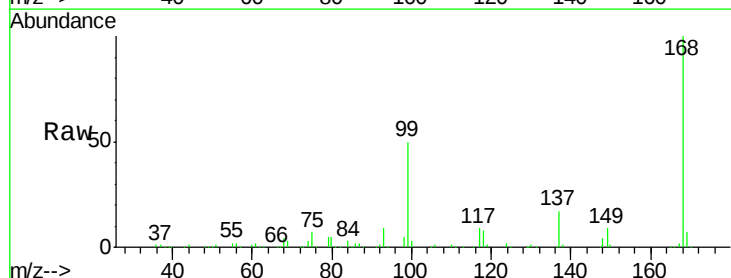
Tgt Ion: 75 Resp: 14444

Ion Ratio Lower Upper

75 100

110 10.8 18.1 54.4#

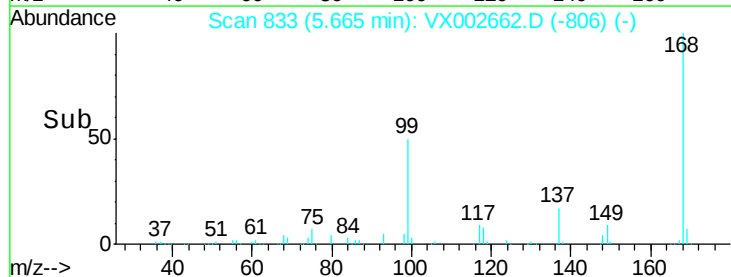
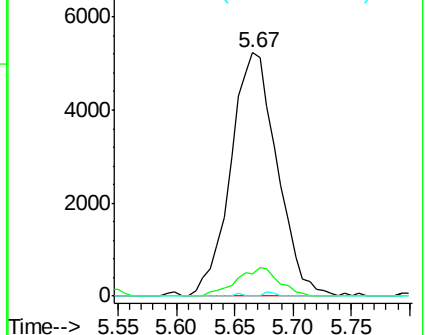
77 0.3 24.3 36.5#

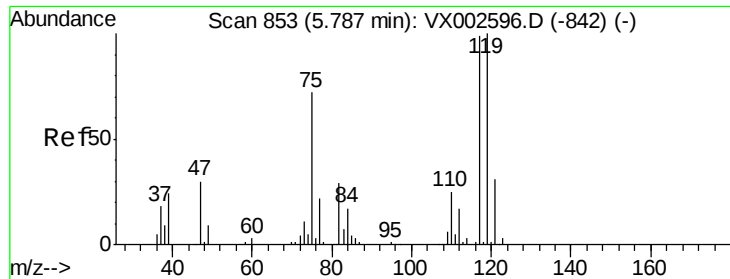


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

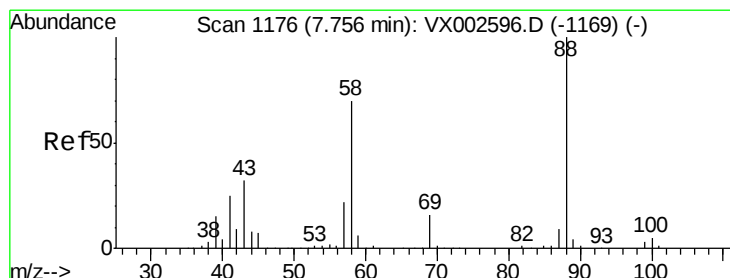
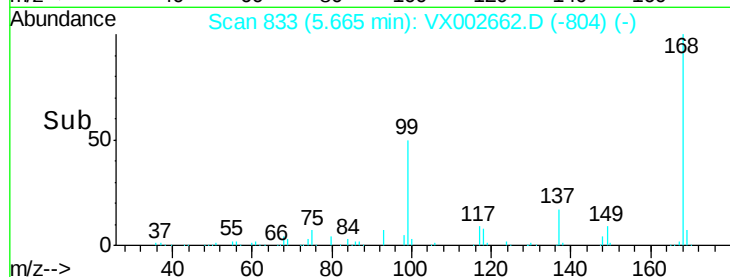
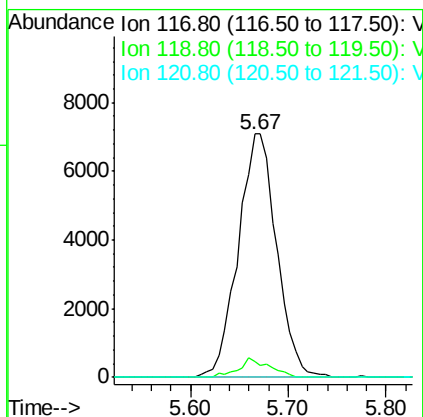
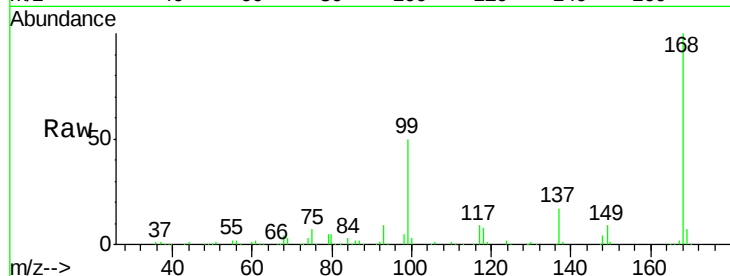




#38
Carbon Tetrachloride
Concen: 6.036 ug/l
RT: 5.67 min Scan# 833
Delta R.T. -0.12 min
Lab File: VX002662.D
Acq: 16 Jun 2018 22:04

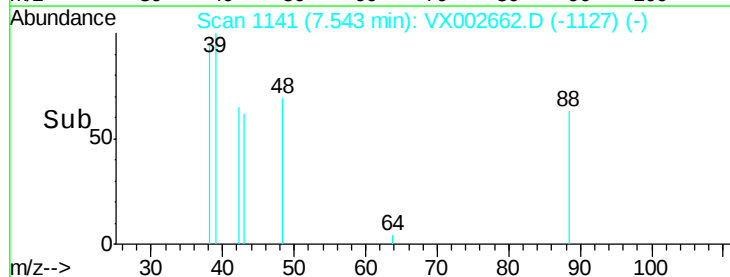
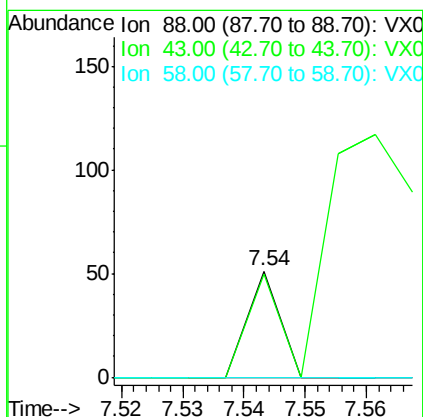
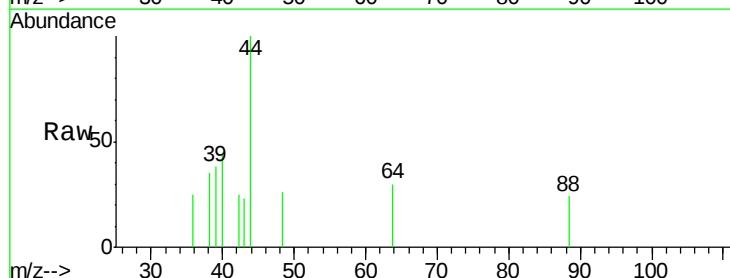
Instrument :
MSVOA_X
ClientSampleId :
FB-061318-03

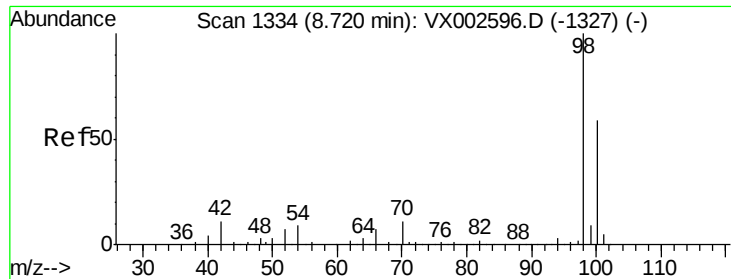
Tot Ion:117 Resp: 19300
Ion Ratio Lower Upper
117 100
119 6.3 77.4 116.0#
121 0.0 24.4 36.6#



#49
1,4-Dioxane
Concen: 0.326 ug/l
RT: 7.54 min Scan# 1141
Delta R.T. -0.21 min
Lab File: VX002662.D
Acq: 16 Jun 2018 22:04

Tgt Ion: 88 Resp: 19
Ion Ratio Lower Upper
88 100
43 968.4 29.8 44.6#
58 0.0 57.1 85.7#





#50

Toluene-d8

Concen: 46.655 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX002662.D

Acq: 16 Jun 2018 22:04

Instrument :

MSVOA_X

ClientSampleId :

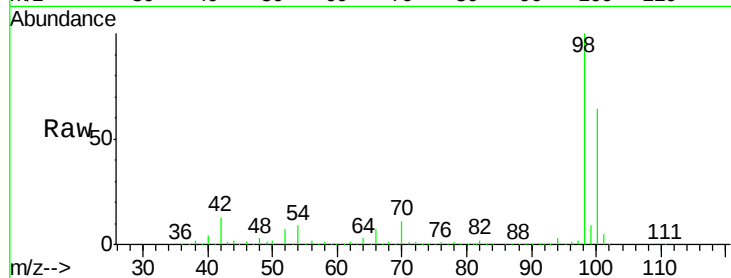
FB-061318-03

Tot Ion: 98 Resp: 427456

Ion Ratio Lower Upper

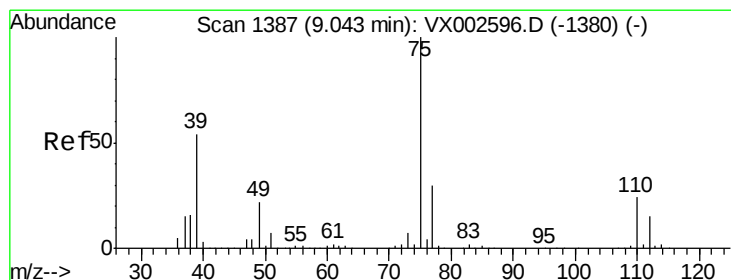
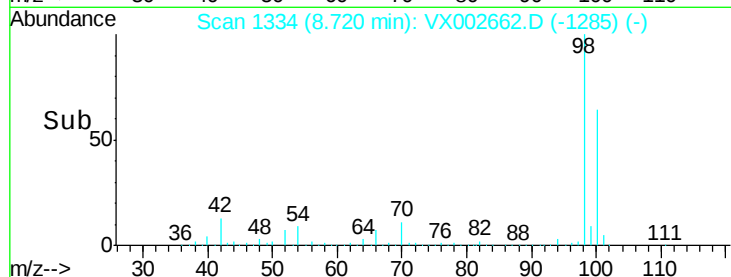
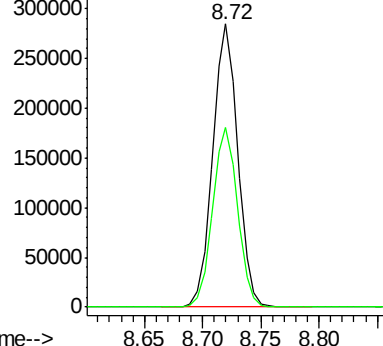
98 100

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



#54

cis-1,3-Dichloropropene

Concen: 3.218 ug/l

RT: 9.07 min Scan# 1391

Delta R.T. 0.03 min

Lab File: VX002662.D

Acq: 16 Jun 2018 22:04

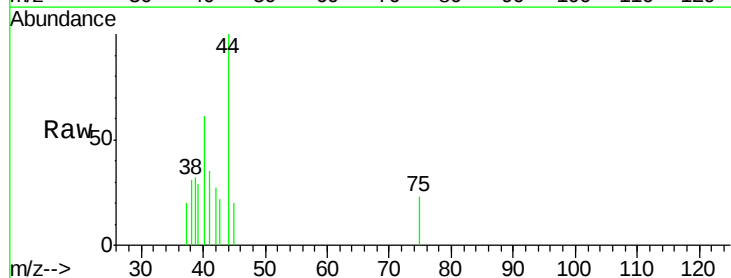
Tgt Ion: 75 Resp: 22

Ion Ratio Lower Upper

75 100

77 0.0 24.8 37.2#

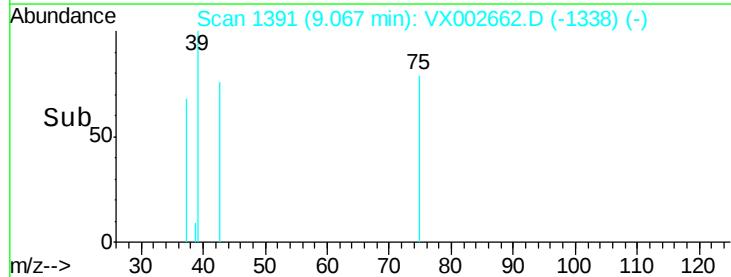
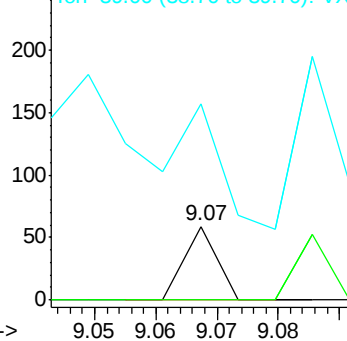
39 54.2 42.4 63.6

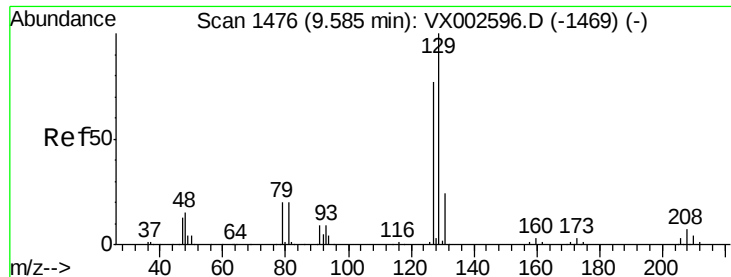


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0





#60

Dibromochloromethane

Concen: 3.768 ug/l

RT: 9.37 min Scan# 1441

Delta R.T. -0.21 min

Lab File: VX002662.D

Acq: 16 Jun 2018 22:04

Instrument :

MSVOA_X

ClientSampleId :

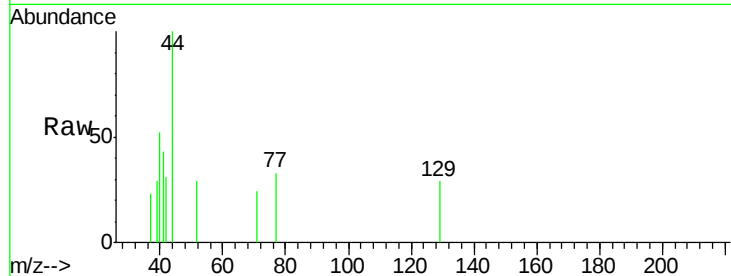
FB-061318-03

Tot Ion:129 Resp: 24

Ion Ratio Lower Upper

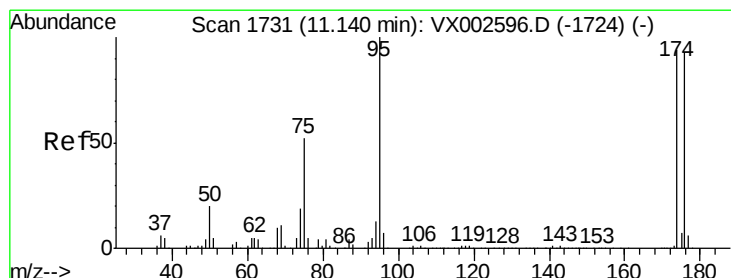
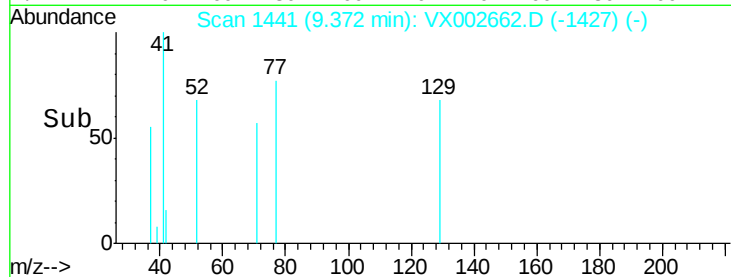
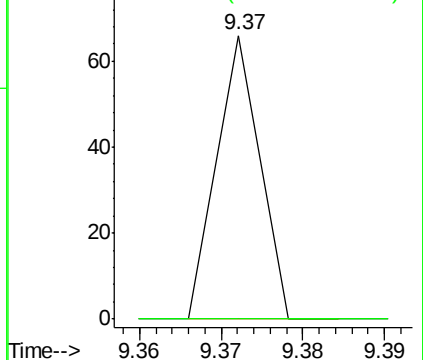
129 100

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: 41.618 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX002662.D

Acq: 16 Jun 2018 22:04

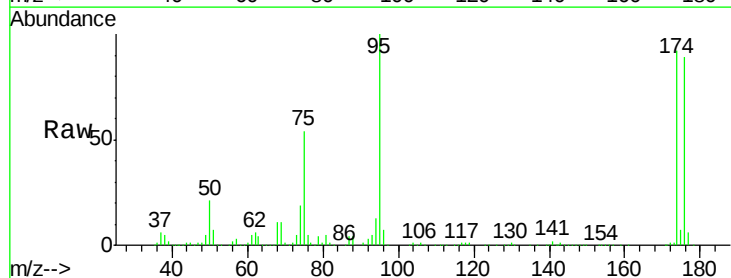
Tgt Ion: 95 Resp: 144490

Ion Ratio Lower Upper

95 100

174 96.9 0.0 187.4

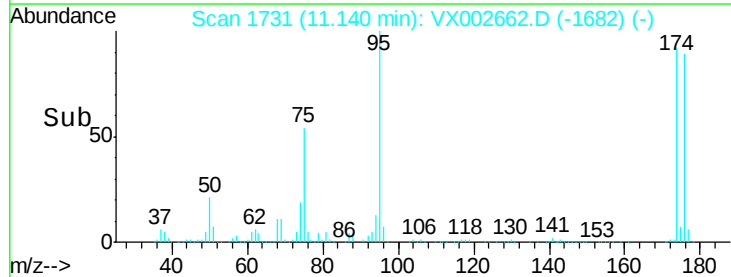
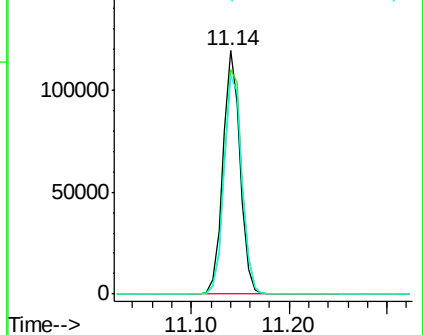
176 93.5 0.0 181.0

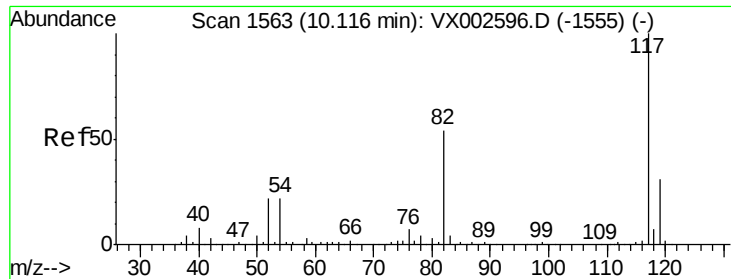


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

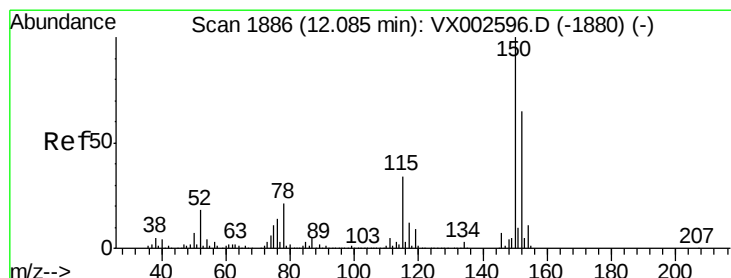
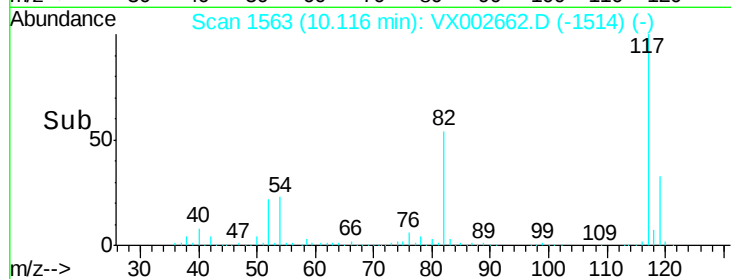
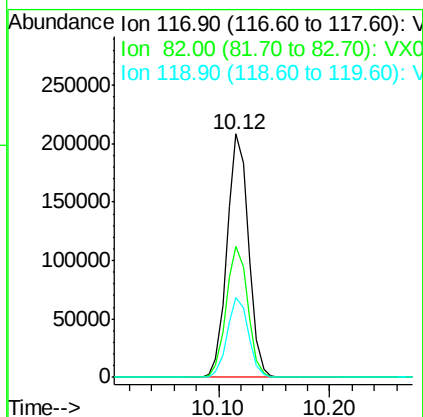
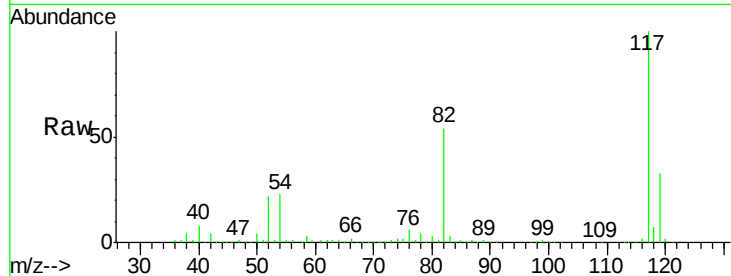




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX002662.D
Acq: 16 Jun 2018 22:04

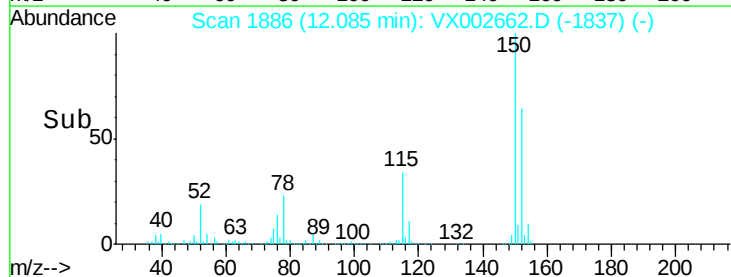
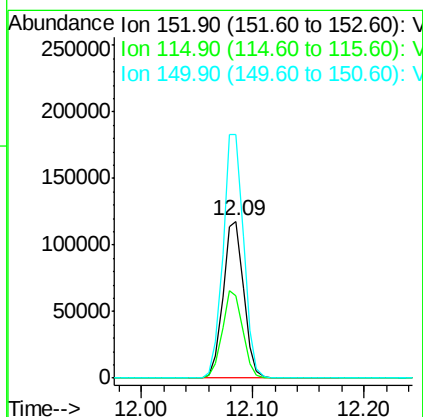
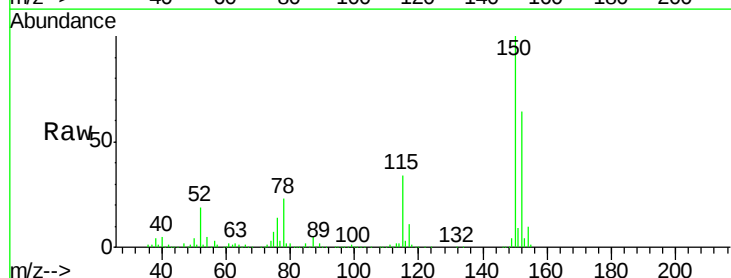
Instrument :
MSVOA_X
ClientSampled :
FB-061318-03

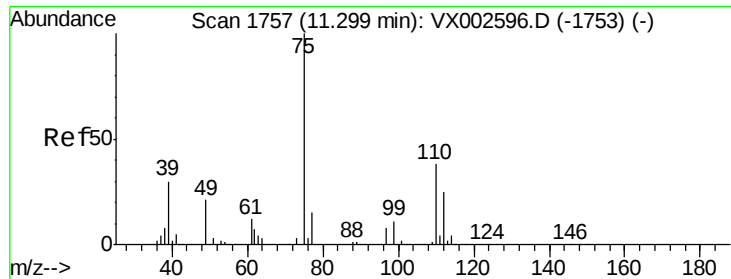
Tot Ion:117 Resp: 278403
Ion Ratio Lower Upper
117 100
82 54.0 45.0 67.4
119 32.7 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX002662.D
Acq: 16 Jun 2018 22:04

Tgt Ion:152 Resp: 150049
Ion Ratio Lower Upper
152 100
115 55.3 40.1 120.2
150 156.7 0.0 347.2

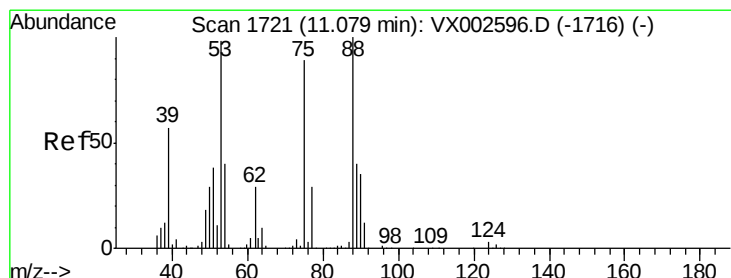
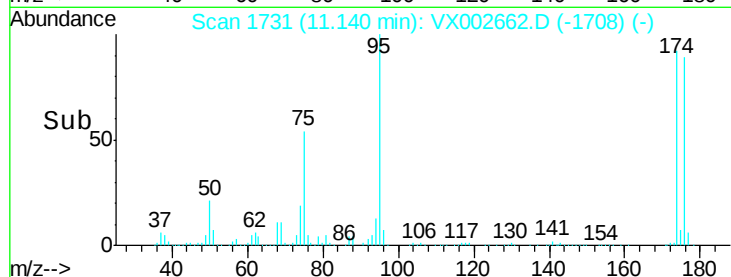
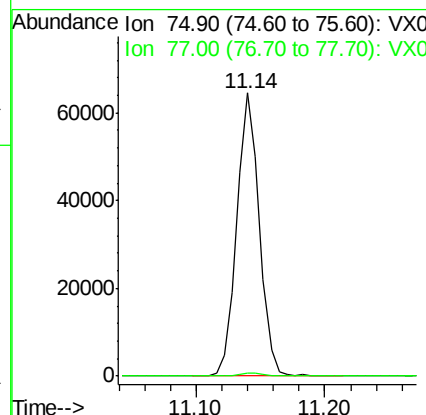
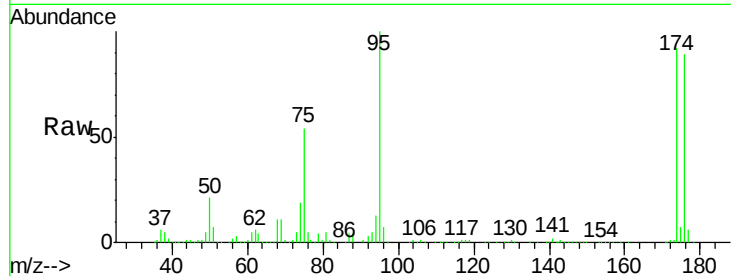




#76
 1,2,3-Trichloropropane
 Concen: 27.873 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.16 min
 Lab File: VX002662.D
 Acq: 16 Jun 2018 22:04

Instrument :
 MSVOA_X
 ClientSampleId :
 FB-061318-03

Tot Ion: 75 Resp: 78919
 Ion Ratio Lower Upper
 75 100
 77 1.2 22.8 68.3#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 85.908 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX002662.D
 Acq: 16 Jun 2018 22:04

Tgt Ion: 75 Resp: 78919
 Ion Ratio Lower Upper
 75 100
 53 0.1 86.8 130.2#
 89 0.1 38.2 57.2#

