

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX073118\
 Data File : VX003757.D
 Acq On : 31 Jul 2018 18:15
 Operator : JC/SP
 Sample : J4109-01RE
 Misc : 11.28G/5.0mL/MSVOA X/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 GW-04(3-5)

Quant Time: Aug 01 01:29:25 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X073018S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 31 11:17:41 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	103015	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	145427	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	109113	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	51097	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	59361	56.98	ug/l	0.00
Spiked Amount			Recovery	=	113.96%	
35) Dibromofluoromethane	5.51	113	44410	51.86	ug/l	0.00
Spiked Amount			Recovery	=	103.72%	
50) Toluene-d8	8.72	98	164846	46.17	ug/l	0.00
Spiked Amount			Recovery	=	92.34%	
62) 4-Bromofluorobenzene	11.14	95	52135	39.60	ug/l	0.00
Spiked Amount			Recovery	=	79.20%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	78	Below Cal	#	69
11) Tert butyl alcohol	3.02	59	6487	38.45	ug/l	# 73
13) Acrolein	2.29	56	172	3.12	ug/l	# 11
16) Acetone	2.45	43	32796	82.41	ug/l	99
17) Carbon Disulfide	2.57	76	2919	0.97	ug/l	# 92
18) Methyl Acetate	2.78	43	355	0.32	ug/l	# 52
20) Methylene Chloride	2.86	84	3239	Below Cal	#	84
25) 2-Butanone	4.70	43	9603	16.55	ug/l	96
26) 2,2-Dichloropropane	4.74	77	875	0.65	ug/l	# 51
36) 1,1-Dichloropropene	5.67	75	6677	4.90	ug/l	# 49
37) Ethyl Acetate	4.70	43	9603	9.18	ug/l	# 68
38) Carbon Tetrachloride	5.67	117	9046	7.18	ug/l	# 17
39) Methylcyclohexane	7.47	83	857	0.51	ug/l	# 90
40) Benzene	6.15	78	9412	2.41	ug/l	99
51) 4-Methyl-2-Pentanone	8.66	43	281	0.27	ug/l	# 35
52) Toluene	8.79	92	2279	0.94	ug/l	97
67) Ethyl Benzene	10.26	91	1178	0.31	ug/l	91
68) m/p-Xylenes	10.36	106	3889	2.58	ug/l	90
69) o-Xylene	10.70	106	2061	1.47	ug/l	97
70) Styrene	10.71	104	742	0.32	ug/l	# 64
73) Isopropylbenzene	11.02	105	2736	0.86	ug/l	100
76) 1,2,3-Trichloropropane	11.14	75	24640	34.98	ug/l	# 35
78) n-propylbenzene	11.36	91	1221	0.32	ug/l	100
79) 2-Chlorotoluene	11.43	91	1397	0.63	ug/l	# 40
80) 1,3,5-Trimethylbenzene	11.44	105	9296	3.40	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.14	75	24640	103.63	ug/l	# 11
82) 4-Chlorotoluene	11.51	91	658	0.25	ug/l	# 58
83) tert-Butylbenzene	12.03	119	1322	0.49	ug/l	80
84) 1,2,4-Trimethylbenzene	11.81	105	7421	2.64	ug/l	98
85) sec-Butylbenzene	11.95	105	692	0.20	ug/l	91
86) p-Isopropyltoluene	12.03	119	1322	0.42	ug/l	84
88) 1,4-Dichlorobenzene	12.10	146	388	0.23	ug/l	# 42
89) n-Butylbenzene	12.38	91	1427	0.48	ug/l	# 27
90) Hexachloroethane	12.47	117	1374	2.95	ug/l	# 1

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Response via : Initial Calibration

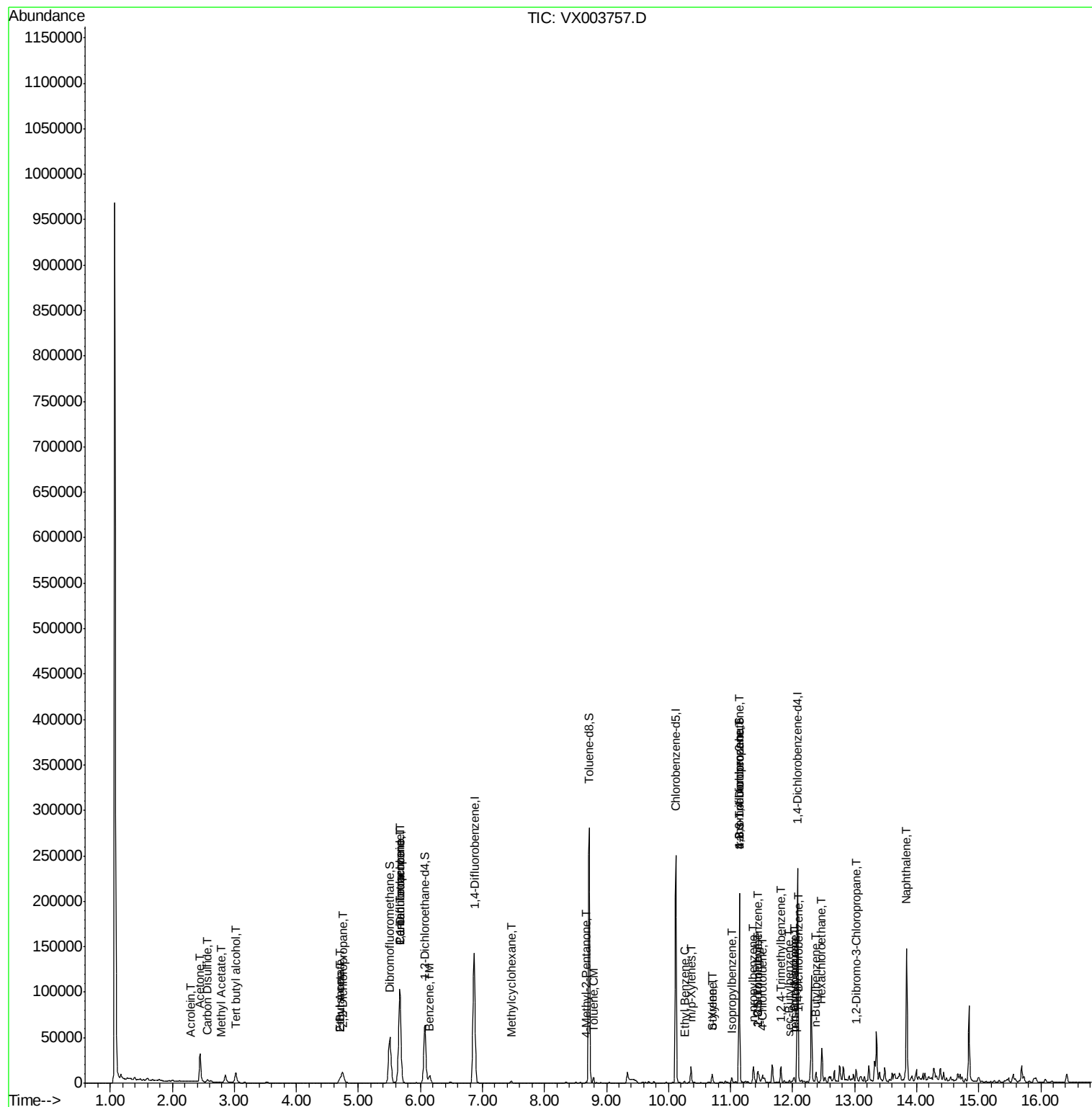
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
92) 1,2-Dibromo-3-Chloropropan	13.02	75	53	0.32	ug/l #	1
95) Naphthalene	13.83	128	92917	34.89	ug/l	99

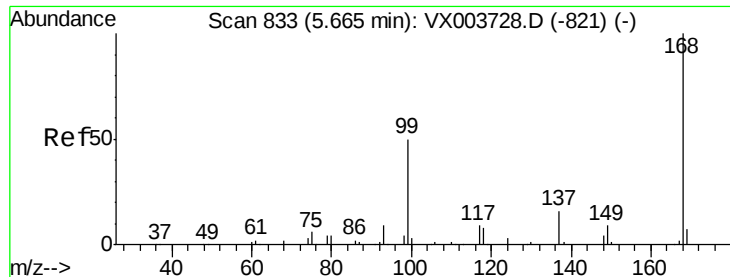
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX073118\
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.00 min

Lab File: VX003757.D

Acq: 31 Jul 2018 18:15

Instrument :

MSVOA_X

ClientSampled :

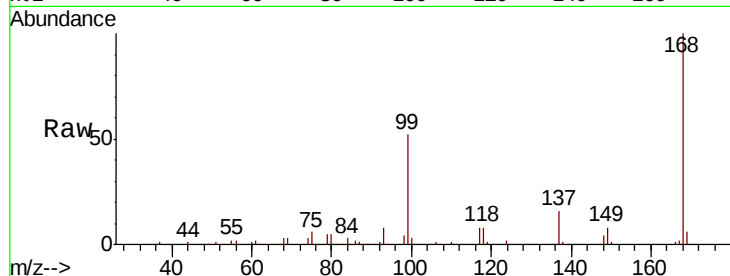
GW-04(3-5)

Tot Ion:168 Resp: 103015

Ion Ratio Lower Upper

168 100

99 52.5 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

40000

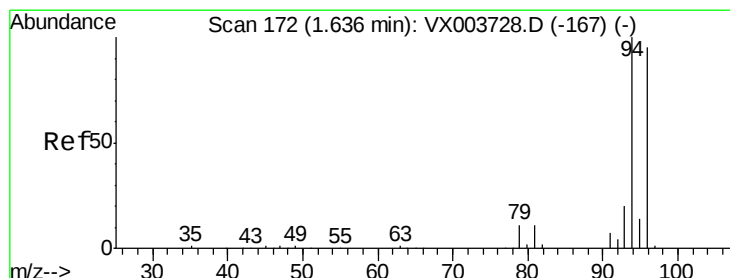
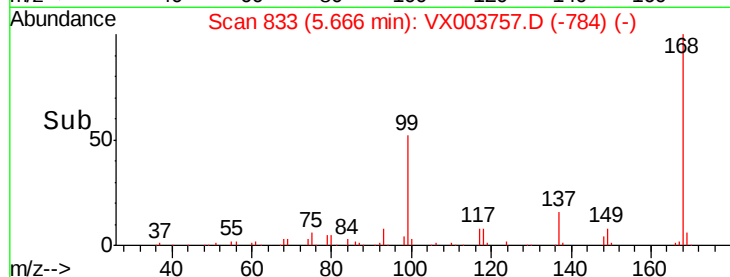
30000

20000

10000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 174

Delta R.T. 0.01 min

Lab File: VX003757.D

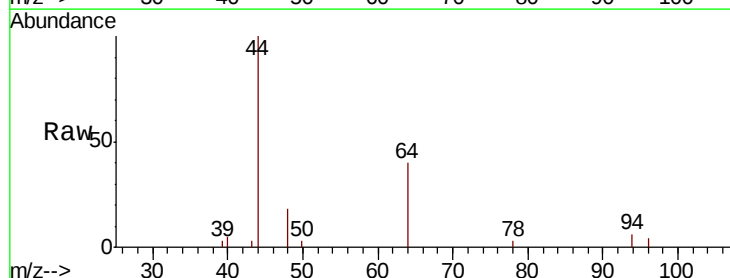
Acq: 31 Jul 2018 18:15

Tgt Ion: 94 Resp: 78

Ion Ratio Lower Upper

94 100

96 64.7 76.0 114.0#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

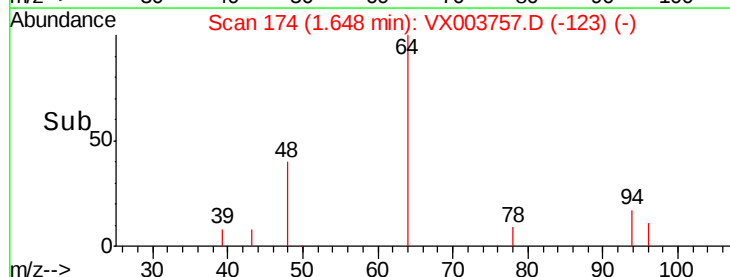
1.65

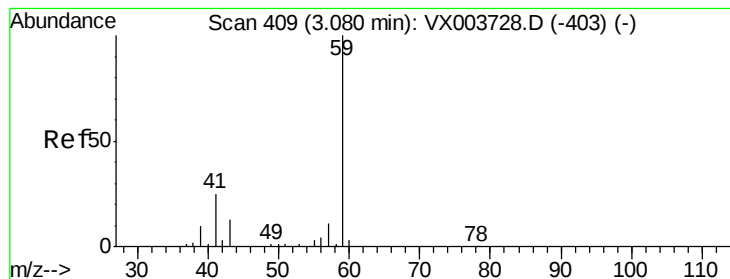
100

50

0

Time--> 1.62 1.64 1.66



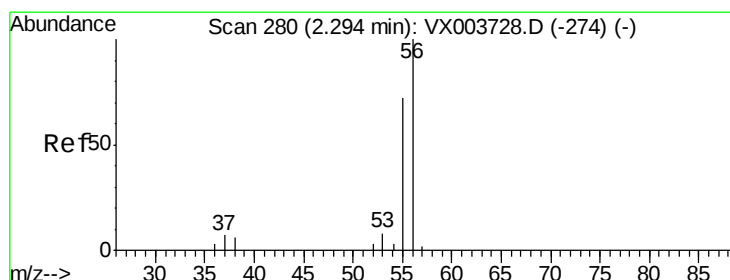
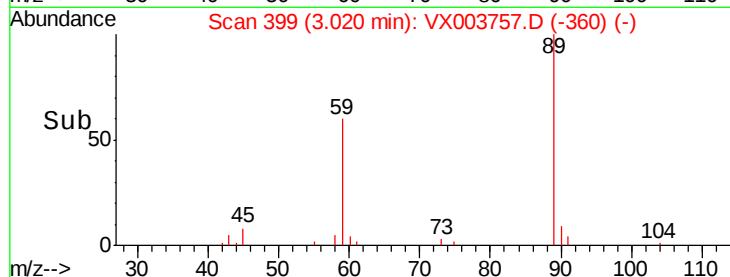
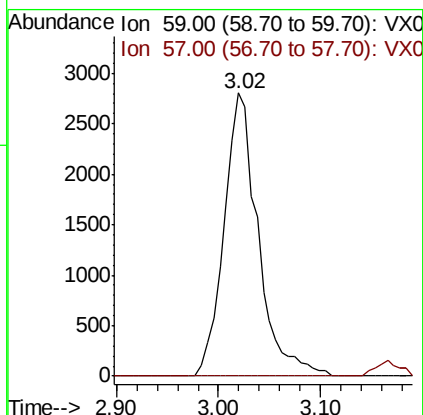
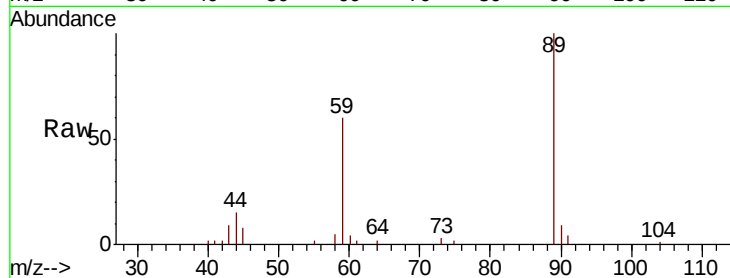


#11

Tert butyl alcohol
 Concen: 38.45 ug/l
 RT: 3.02 min Scan# 399
 Delta R.T. -0.06 min
 Lab File: VX003757.D
 Acq: 31 Jul 2018 18:15

Instrument :
 MSVOA_X
 ClientSampled :
 GW-04(3-5)

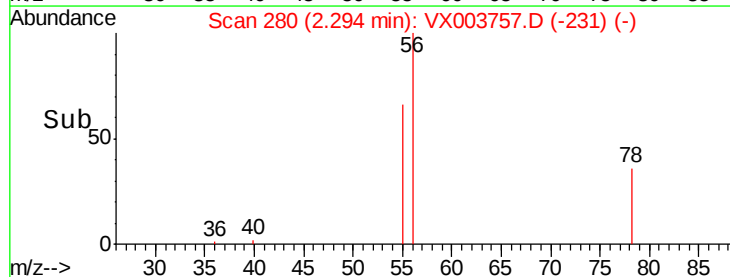
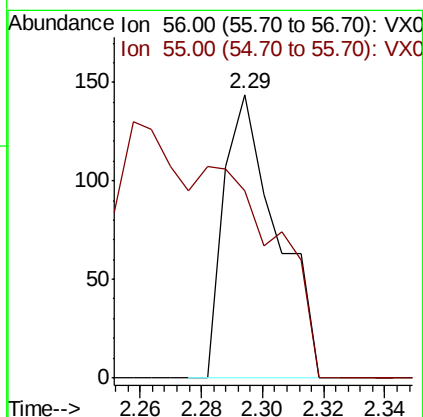
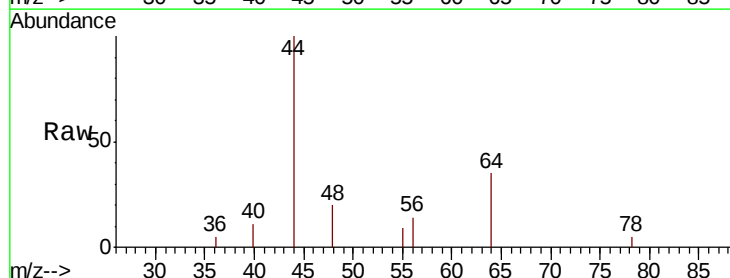
Tot Ion: 59 Resp: 6487
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.1 12.1#

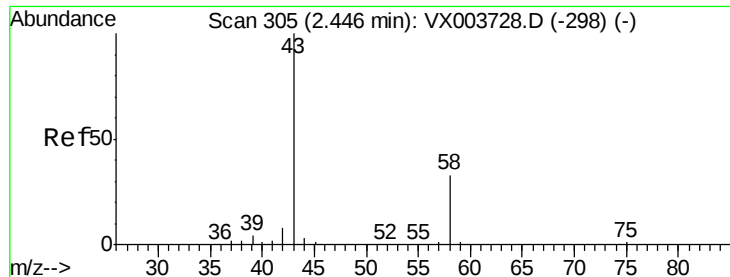


#13

Acrolein
 Concen: 3.12 ug/l
 RT: 2.29 min Scan# 280
 Delta R.T. 0.00 min
 Lab File: VX003757.D
 Acq: 31 Jul 2018 18:15

Tgt Ion: 56 Resp: 172
 Ion Ratio Lower Upper
 56 100
 55 0.0 61.4 92.0#





#16

Acetone

Concen: 82.41 ug/l

RT: 2.45 min Scan# 305

Delta R.T. 0.00 min

Lab File: VX003757.D

Acq: 31 Jul 2018 18:15

Instrument :

MSVOA_X

ClientSampleId :

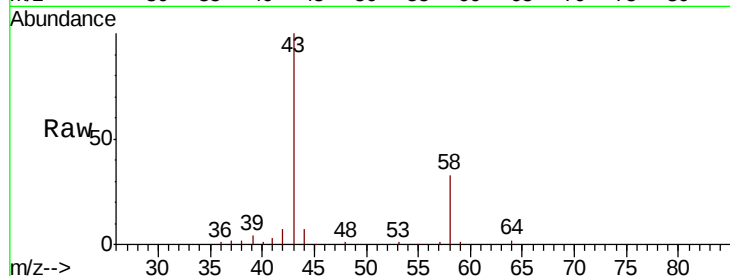
GW-04(3-5)

Tot Ion: 43 Resp: 32796

Ion Ratio Lower Upper

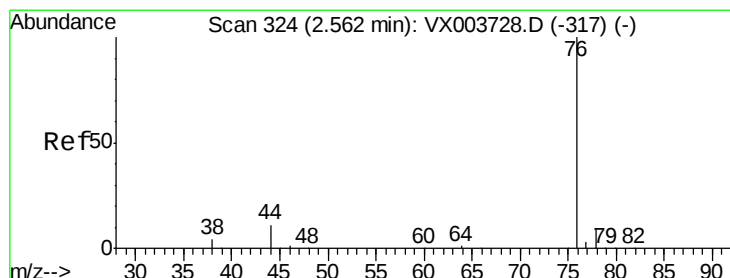
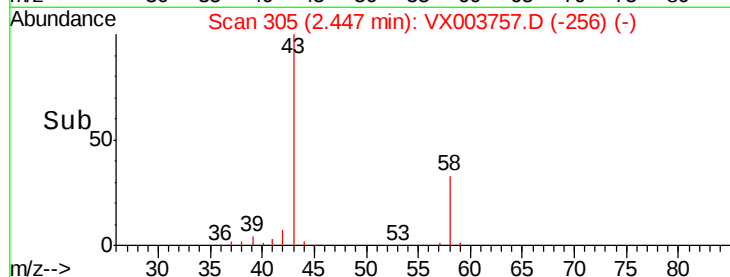
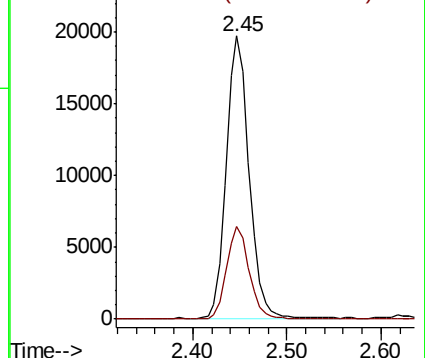
43 100

58 32.8 26.7 40.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: 0.97 ug/l

RT: 2.57 min Scan# 325

Delta R.T. 0.01 min

Lab File: VX003757.D

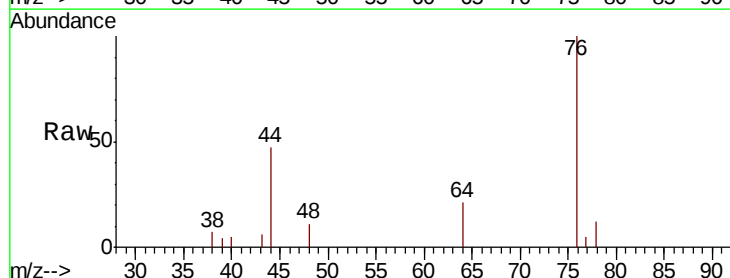
Acq: 31 Jul 2018 18:15

Tgt Ion: 76 Resp: 2919

Ion Ratio Lower Upper

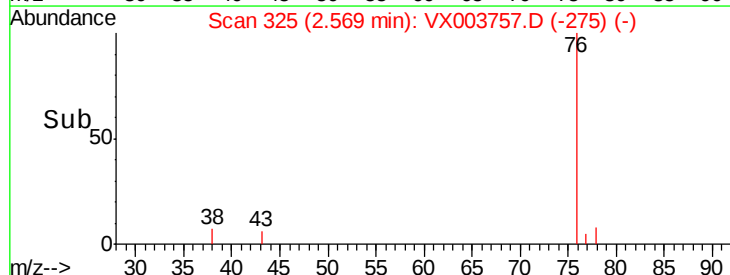
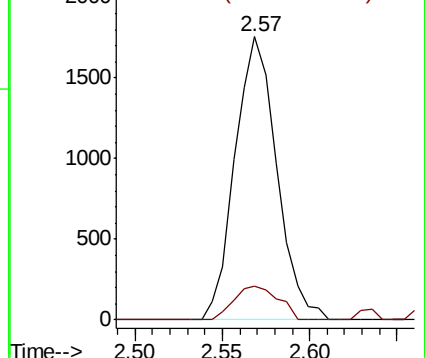
76 100

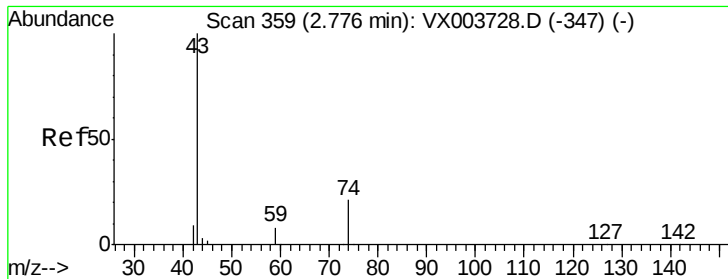
78 11.9 7.3 10.9#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

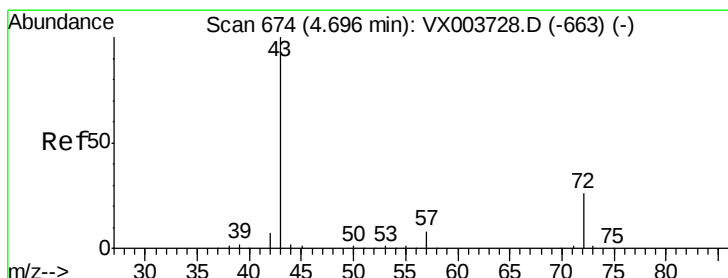
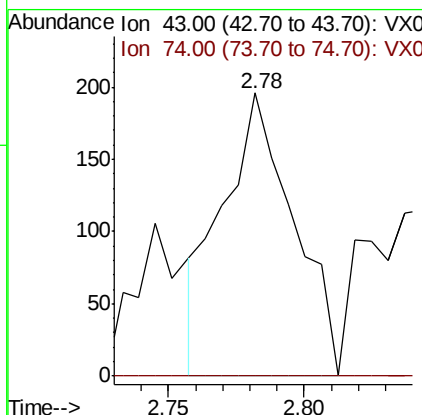
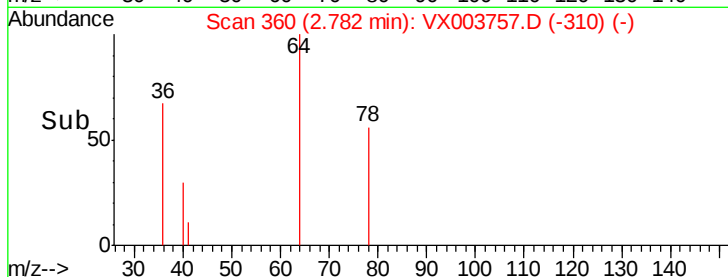
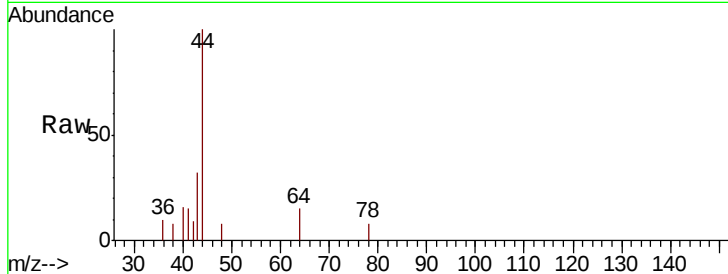




#18
Methvl Acetate
Concen: 0.32 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.01 min
Lab File: VX003757.D
Acq: 31 Jul 2018 18:15

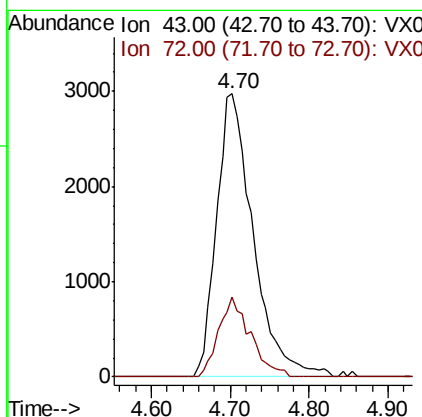
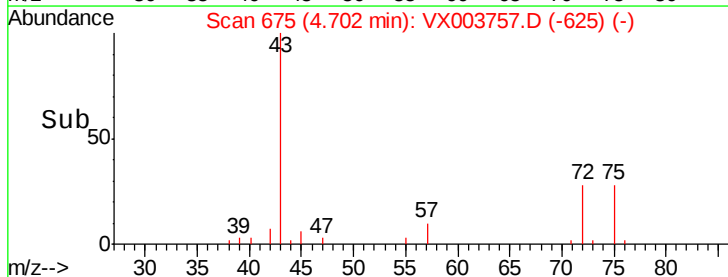
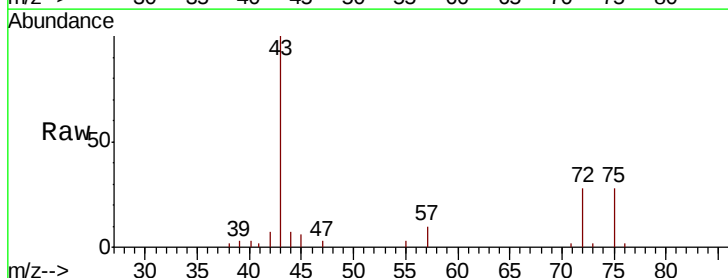
Instrument :
MSVOA_X
ClientSampled :
GW-04(3-5)

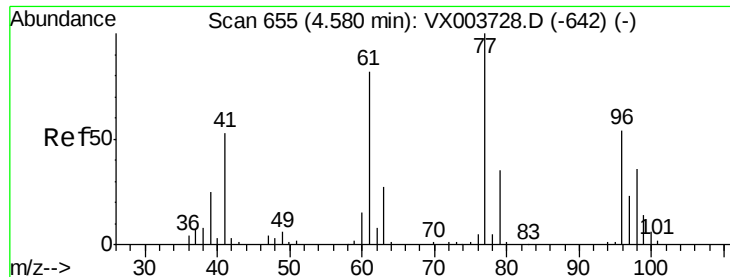
Tot Ion: 43 Resp: 355
Ion Ratio Lower Upper
43 100
74 0.0 18.9 28.3#



#25
2-Butanone
Concen: 16.55 ug/l
RT: 4.70 min Scan# 675
Delta R.T. 0.01 min
Lab File: VX003757.D
Acq: 31 Jul 2018 18:15

Tgt Ion: 43 Resp: 9603
Ion Ratio Lower Upper
43 100
72 28.2 20.9 31.3





#26

2,2-Dichloropropane

Concen: 0.65 ug/l

RT: 4.74 min Scan# 682

Delta R.T. 0.16 min

Lab File: VX003757.D

Acq: 31 Jul 2018 18:15

Instrument :

MSVOA_X

ClientSampleId :

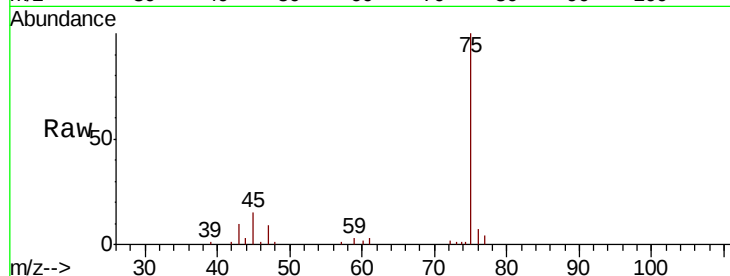
GW-04(3-5)

Tot Ion: 77 Resp: 875

Ion Ratio Lower Upper

77 100

97 0.0 12.2 36.6#



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

4.74

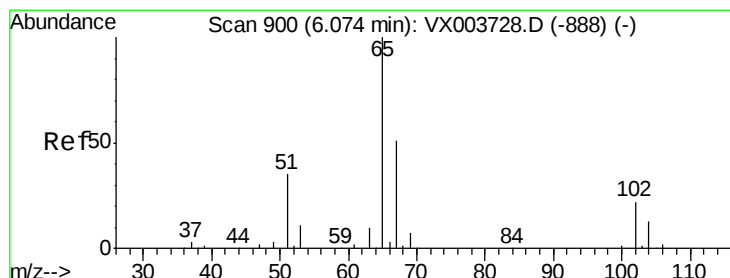
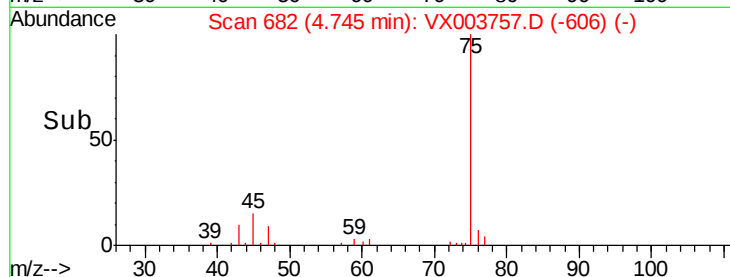
300

200

100

0

Time-->



#33

1,2-Dichloroethane-d4

Concen: 56.98 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.00 min

Lab File: VX003757.D

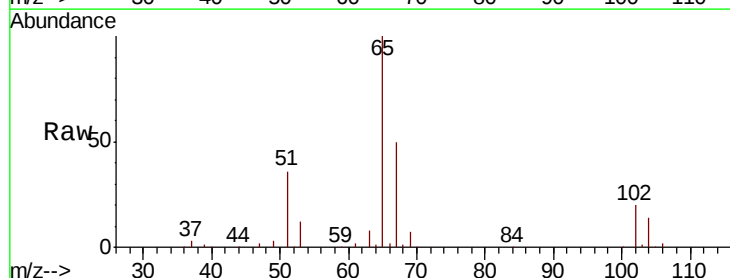
Acq: 31 Jul 2018 18:15

Tgt Ion: 65 Resp: 59361

Ion Ratio Lower Upper

65 100

67 54.6 0.0 107.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.07

25000

20000

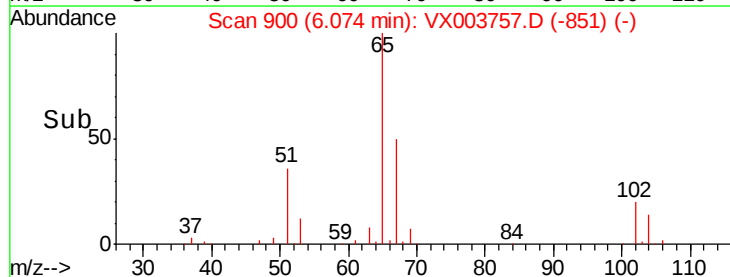
15000

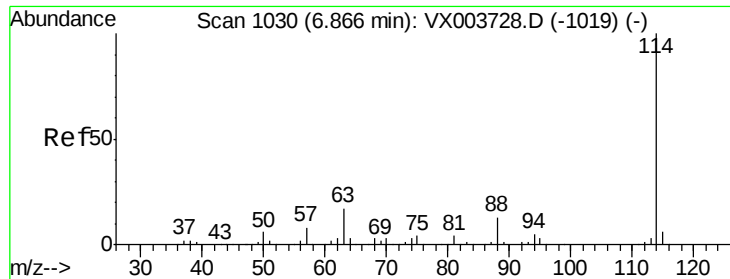
10000

5000

0

Time-->

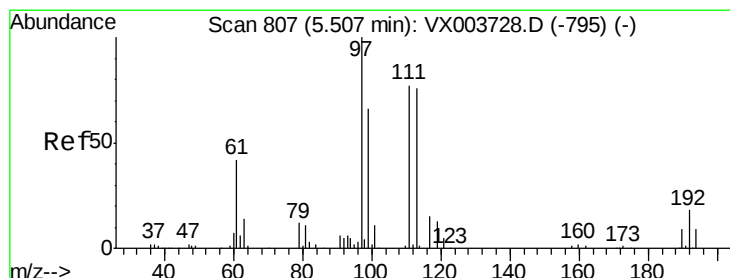
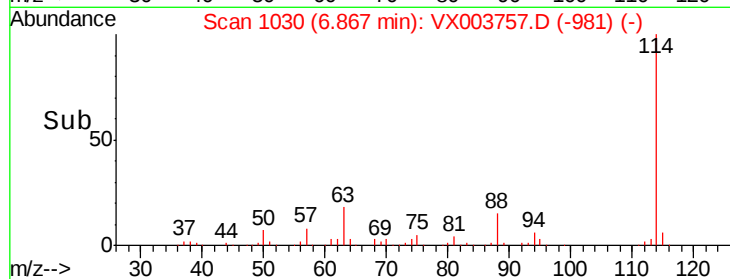
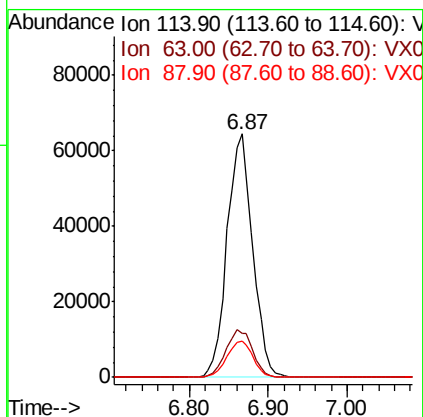
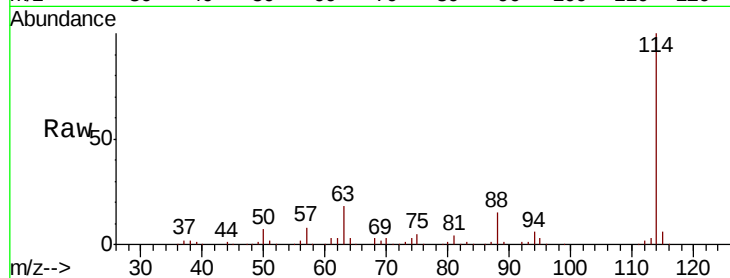




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX003757.D
 Acq: 31 Jul 2018 18:15

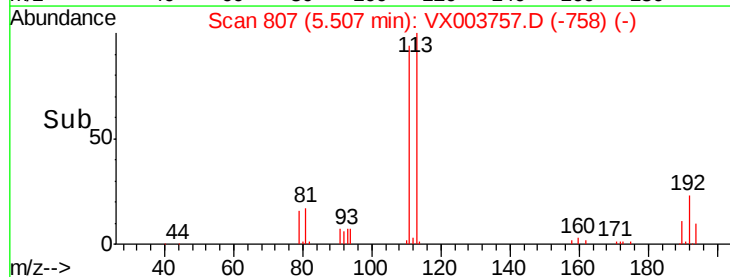
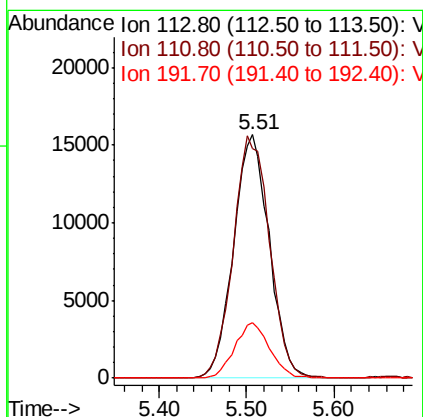
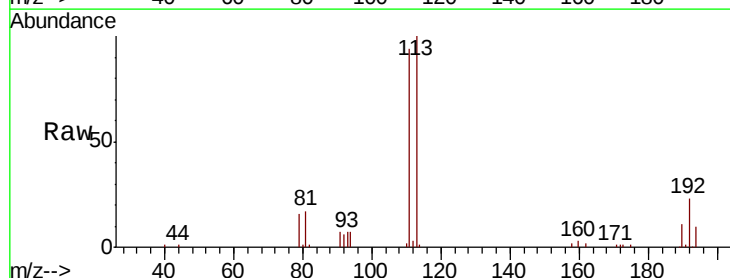
Instrument :
 MSVOA_X
 ClientSampleId :
 GW-04(3-5)

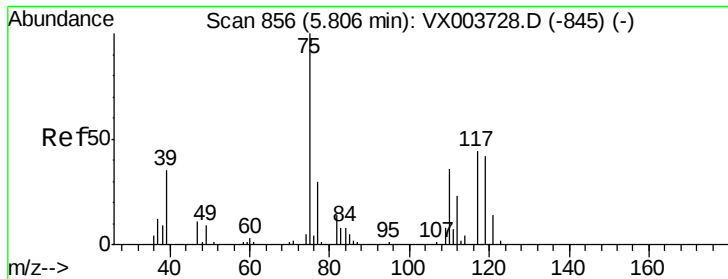
Tot Ion:114 Resp: 145427
 Ion Ratio Lower Upper
 114 100
 63 18.2 0.0 34.0
 88 14.8 0.0 26.4



#35
 Dibromofluoromethane
 Concen: 51.86 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. 0.00 min
 Lab File: VX003757.D
 Acq: 31 Jul 2018 18:15

Tgt Ion:113 Resp: 44410
 Ion Ratio Lower Upper
 113 100
 111 101.2 81.8 122.6
 192 22.0 18.8 28.2





#36

1,1-Dichloropropene

Concen: 4.90 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.14 min

Lab File: VX003757.D

Acq: 31 Jul 2018 18:15

Instrument :

MSVOA_X

ClientSampled :

GW-04(3-5)

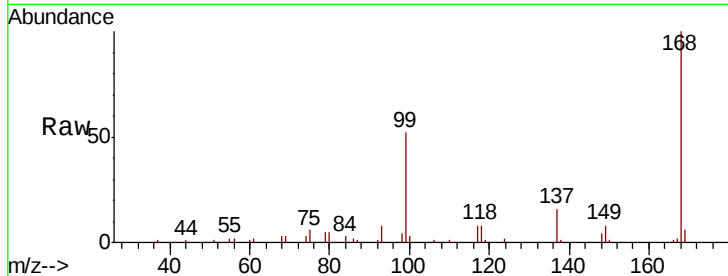
Tot Ion: 75 Resp: 6677

Ion Ratio Lower Upper

75 100

110 8.9 18.3 54.8#

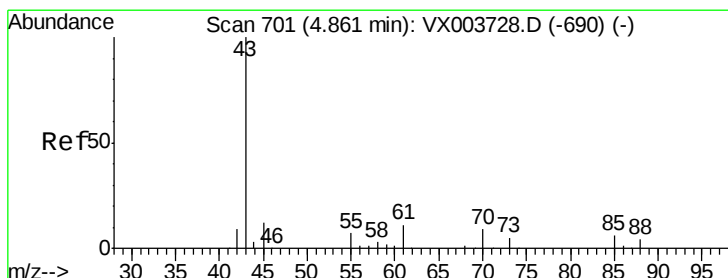
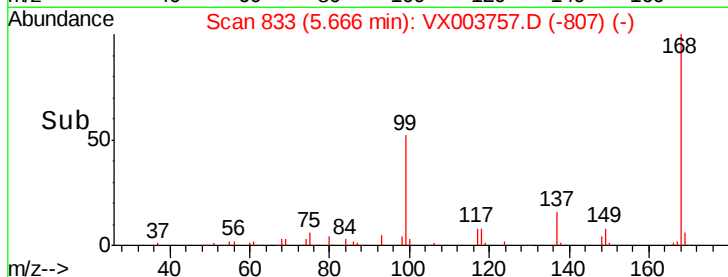
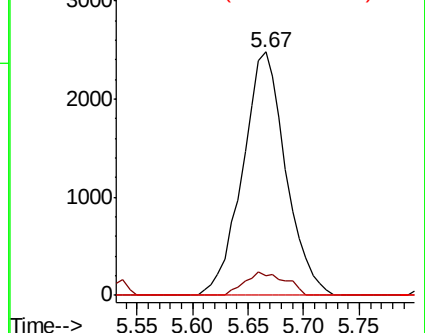
77 0.0 25.1 37.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#37

Ethyl Acetate

Concen: 9.18 ug/l

RT: 4.70 min Scan# 675

Delta R.T. -0.16 min

Lab File: VX003757.D

Acq: 31 Jul 2018 18:15

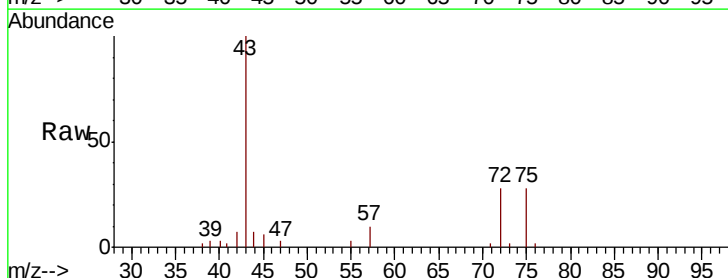
Tgt Ion: 43 Resp: 9603

Ion Ratio Lower Upper

43 100

61 0.0 11.4 17.0#

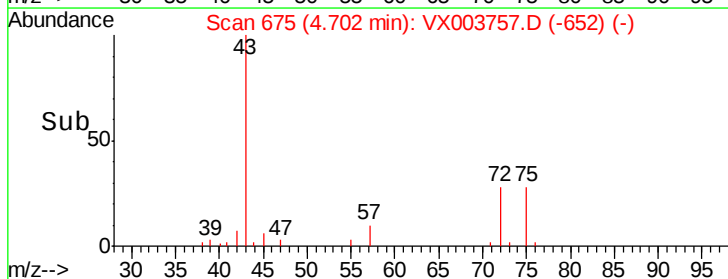
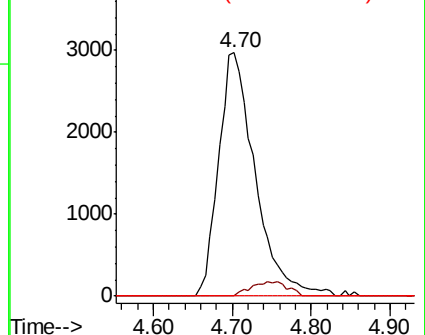
70 0.0 8.2 12.2#

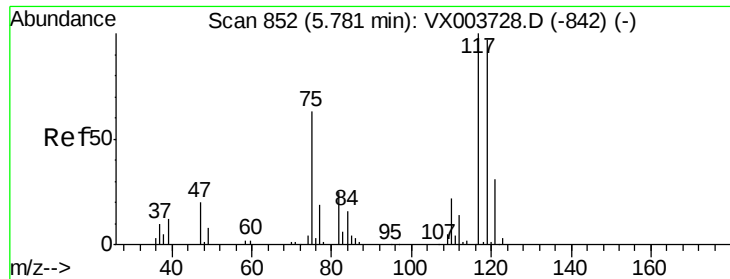


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0

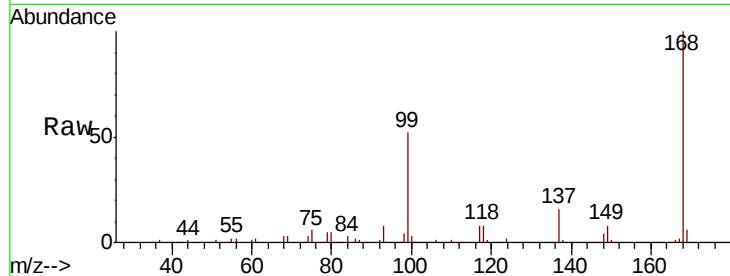




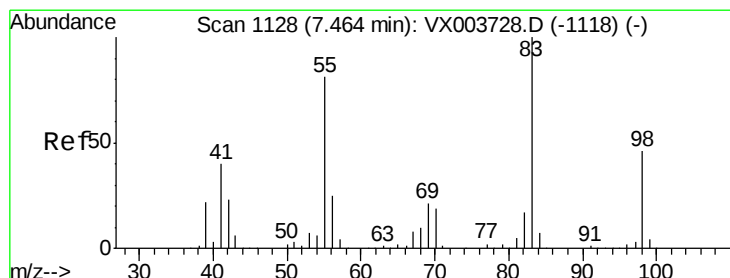
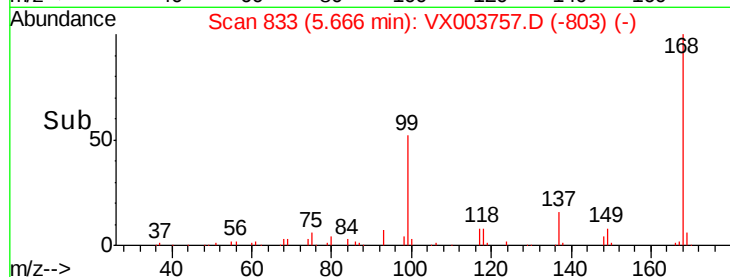
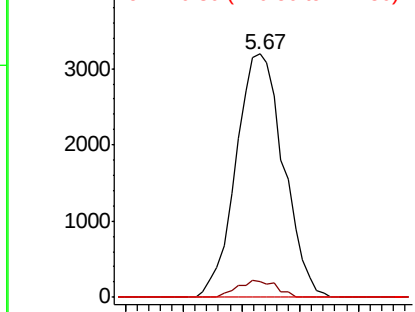
#38
Carbon Tetrachloride
Concen: 7.18 ug/l
RT: 5.67 min Scan# 833
Delta R.T. -0.12 min
Lab File: VX003757.D
Acq: 31 Jul 2018 18:15

Instrument :
MSVOA_X
ClientSampleId :
GW-04(3-5)

Tot Ion:117 Resp: 9046
Ion Ratio Lower Upper
117 100
119 6.5 77.2 115.8#
121 0.0 25.0 37.4#

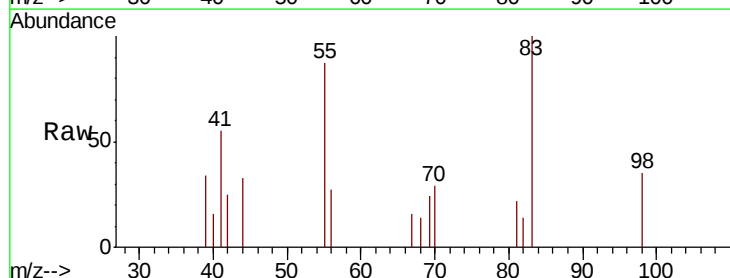


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

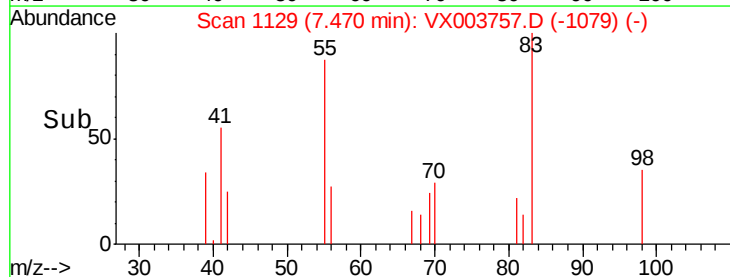
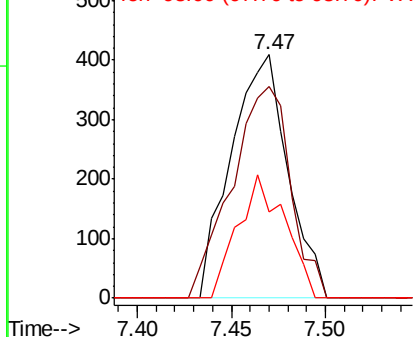


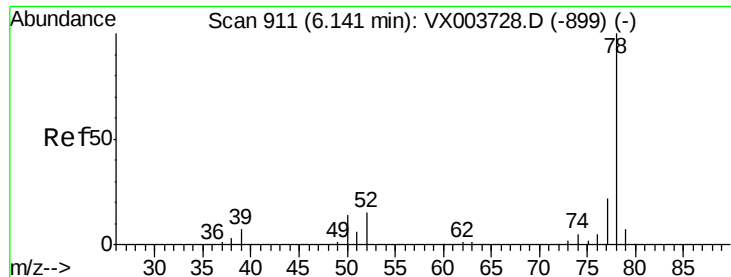
#39
Methylcyclohexane
Concen: 0.51 ug/l
RT: 7.47 min Scan# 1129
Delta R.T. 0.01 min
Lab File: VX003757.D
Acq: 31 Jul 2018 18:15

Tgt Ion: 83 Resp: 857
Ion Ratio Lower Upper
83 100
55 86.8 65.0 97.6
98 35.2 37.1 55.7#



Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

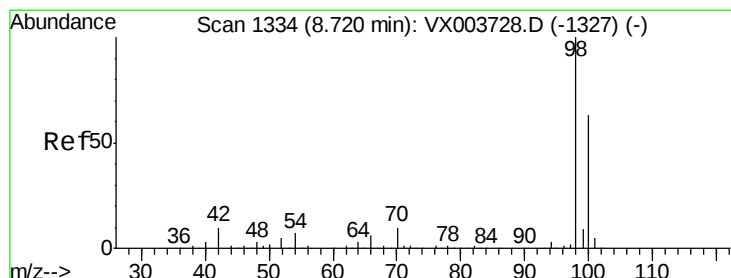
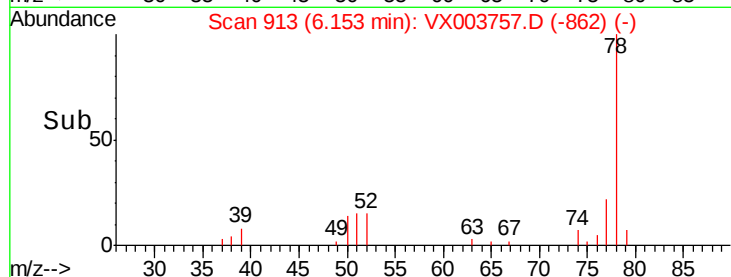
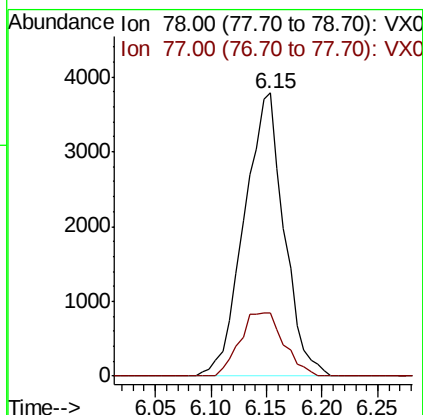
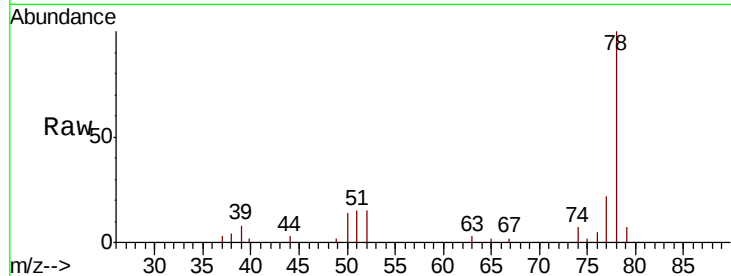




#40
Benzene
Concen: 2.41 ug/l
RT: 6.15 min Scan# 913
Delta R.T. 0.01 min
Lab File: VX003757.D
Acq: 31 Jul 2018 18:15

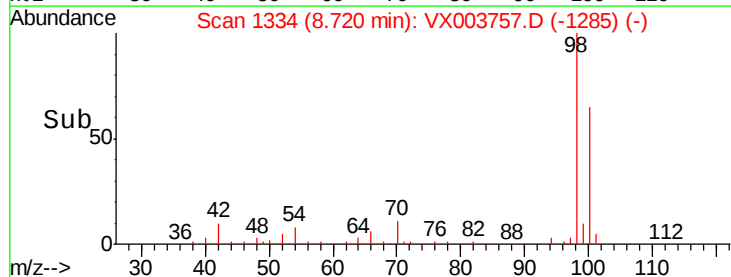
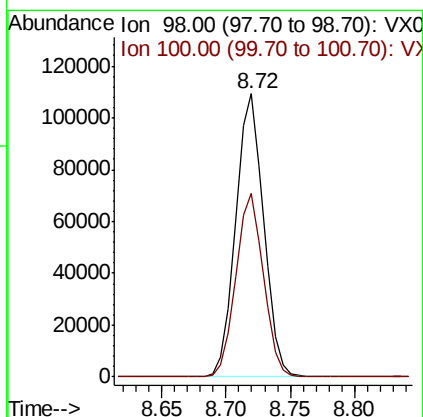
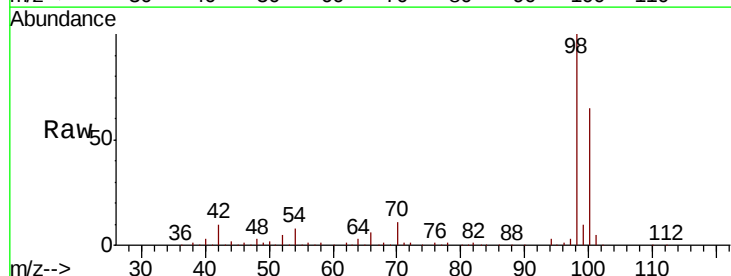
Instrument :
MSVOA_X
ClientSampleId :
GW-04(3-5)

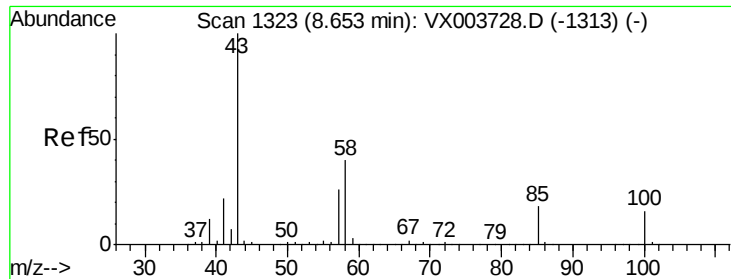
Tot Ion: 78 Resp: 9412
Ion Ratio Lower Upper
78 100
77 22.1 17.9 26.9



#50
Toluene-d8
Concen: 46.17 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003757.D
Acq: 31 Jul 2018 18:15

Tgt Ion: 98 Resp: 164846
Ion Ratio Lower Upper
98 100
100 63.9 51.4 77.0





#51

4-Methyl-2-Pentanone

Concen: 0.27 ug/l

RT: 8.66 min Scan# 1324

Delta R.T. 0.01 min

Lab File: VX003757.D

Acq: 31 Jul 2018 18:15

Instrument :

MSVOA_X

ClientSampleId :

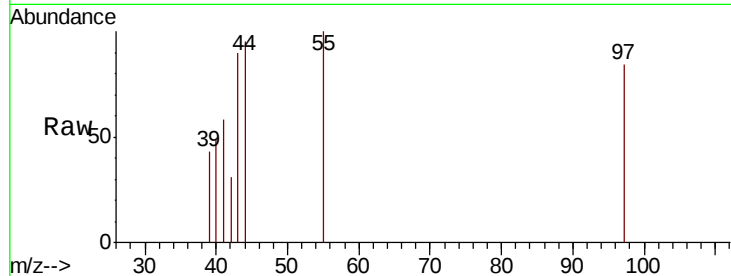
GW-04(3-5)

Tot Ion: 43 Resp: 281

Ion Ratio Lower Upper

43 100

58 0.0 32.1 48.1#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

1000

800

600

400

200

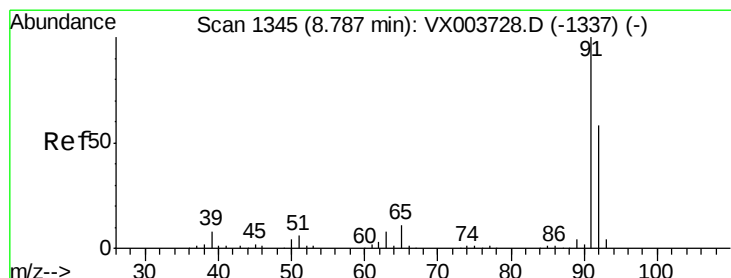
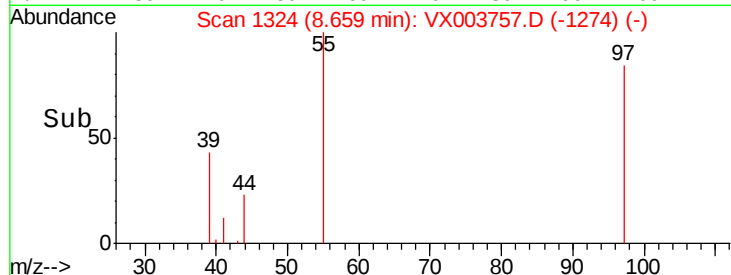
0

8.60

8.65

8.70

Time-->



#52

Toluene

Concen: 0.94 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX003757.D

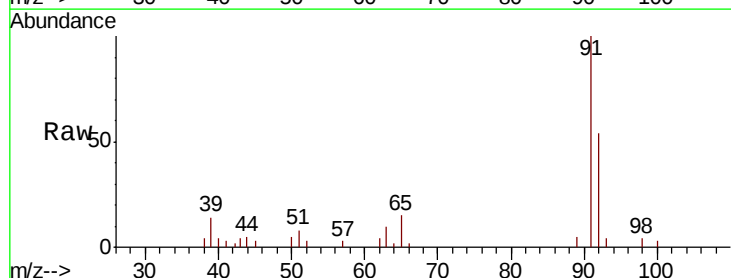
Acq: 31 Jul 2018 18:15

Tgt Ion: 92 Resp: 2279

Ion Ratio Lower Upper

92 100

91 170.4 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

2500

2000

1500

1000

500

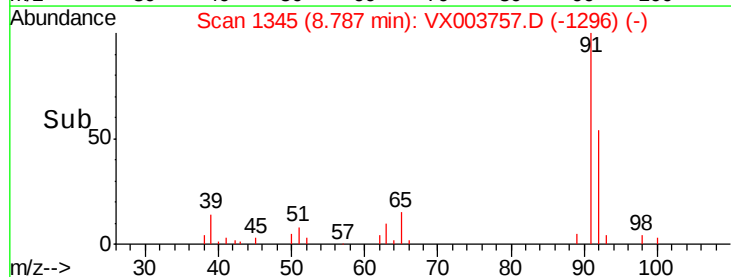
0

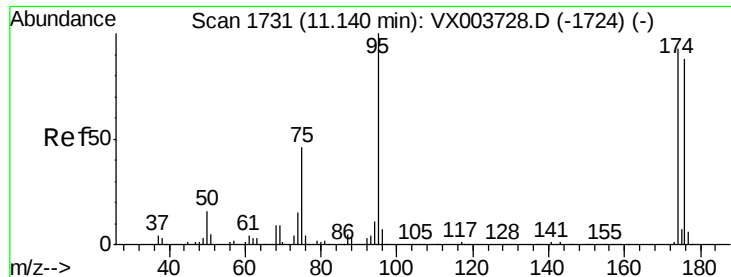
8.75

8.80

8.85

Time-->





#62

4-Bromofluorobenzene

Concen: 39.60 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003757.D

Acq: 31 Jul 2018 18:15

Instrument :

MSVOA_X

ClientSampled :

GW-04(3-5)

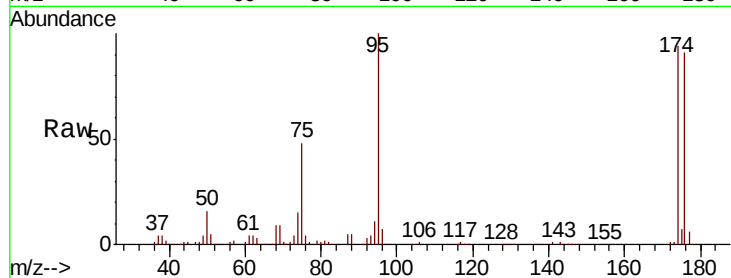
Tot Ion: 95 Resp: 52135

Ion Ratio Lower Upper

95 100

174 93.0 0.0 186.2

176 89.8 0.0 179.2

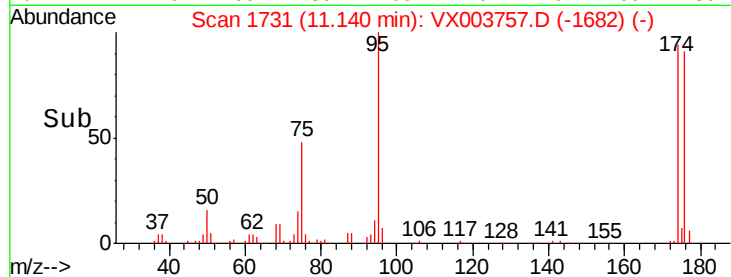


Abundance Ion 94.90 (94.60 to 95.60): VX003728.D (-1724) (-)

Ion 173.80 (173.50 to 174.50): VX003728.D (-1724) (-)

Ion 175.80 (175.50 to 176.50): VX003728.D (-1724) (-)

Time-->

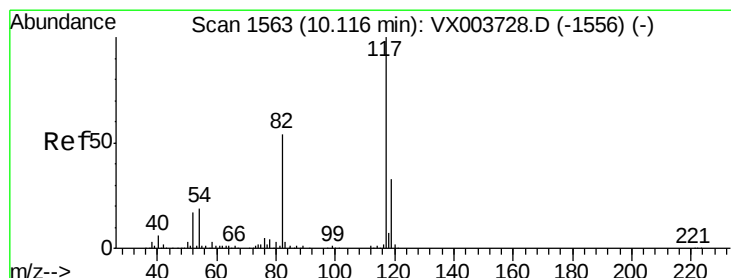


Abundance Ion 94.90 (94.60 to 95.60): VX003757.D (-1682) (-)

Ion 173.80 (173.50 to 174.50): VX003757.D (-1682) (-)

Ion 175.80 (175.50 to 176.50): VX003757.D (-1682) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VX003757.D

Acq: 31 Jul 2018 18:15

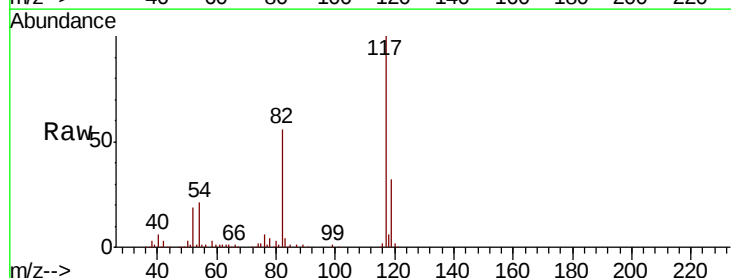
Tgt Ion: 117 Resp: 109113

Ion Ratio Lower Upper

117 100

82 55.5 43.2 64.8

119 32.1 26.3 39.5

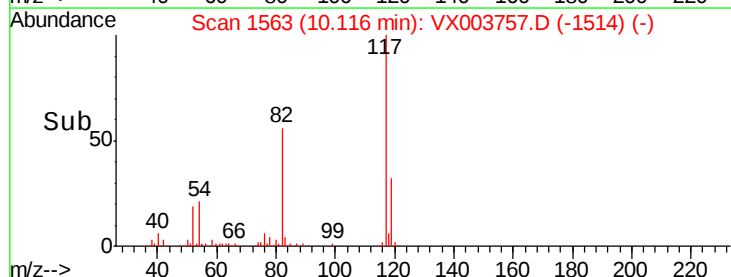


Abundance Ion 116.90 (116.60 to 117.60): VX003728.D (-1556) (-)

Ion 82.00 (81.70 to 82.70): VX003728.D (-1556) (-)

Ion 118.90 (118.60 to 119.60): VX003728.D (-1556) (-)

Time-->

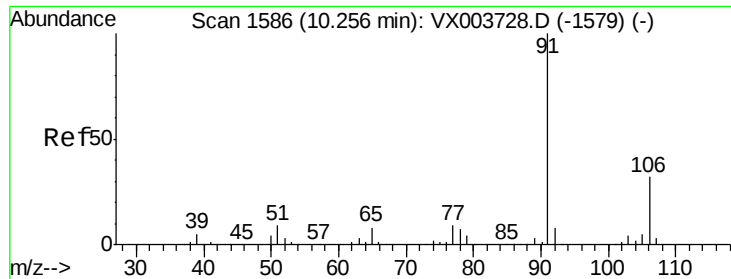


Abundance Ion 116.90 (116.60 to 117.60): VX003757.D (-1514) (-)

Ion 82.00 (81.70 to 82.70): VX003757.D (-1514) (-)

Ion 118.90 (118.60 to 119.60): VX003757.D (-1514) (-)

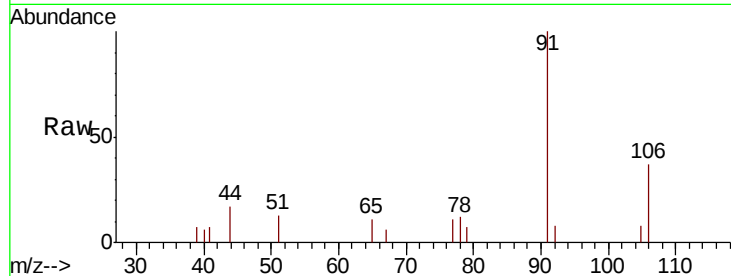
Time-->



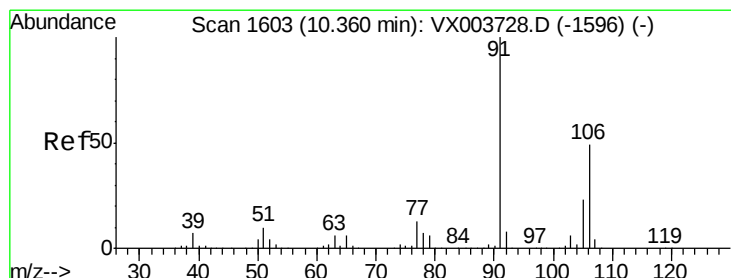
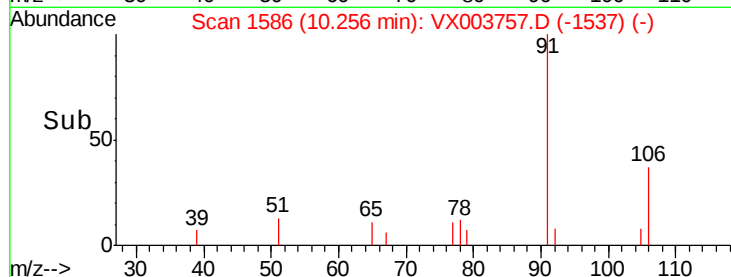
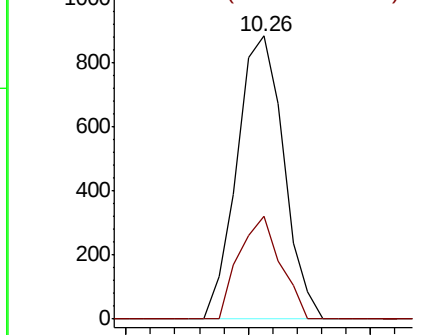
#67
Ethyl Benzene
Concen: 0.31 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VX003757.D
Acq: 31 Jul 2018 18:15

Instrument :
MSVOA_X
ClientSampled :
GW-04(3-5)

Tot Ion: 91 Resp: 1178
Ion Ratio Lower Upper
91 100
106 36.5 25.4 38.2

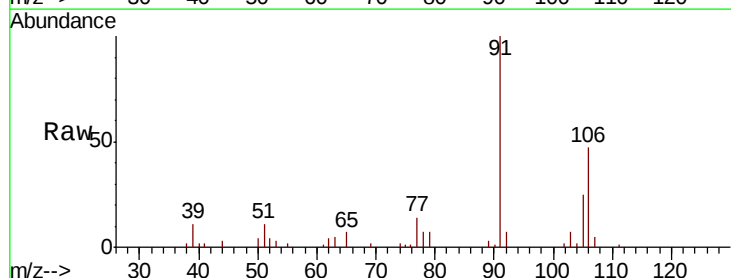


Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 106.00 (105.70 to 106.70): V

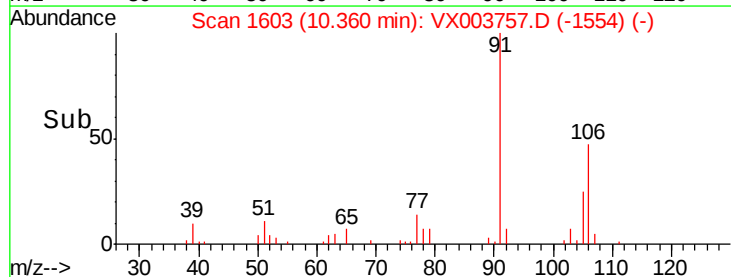
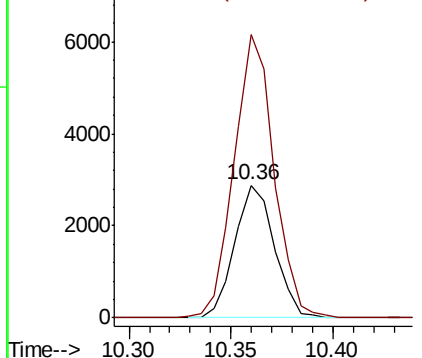


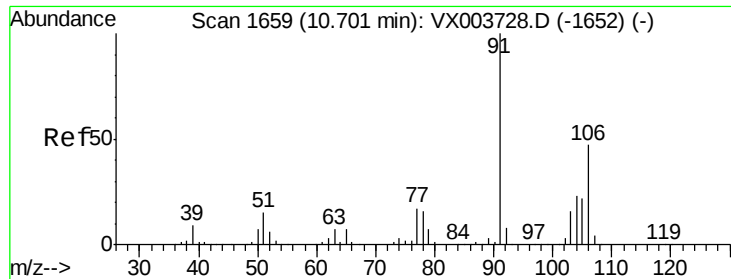
#68
m/p-Xylenes
Concen: 2.58 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VX003757.D
Acq: 31 Jul 2018 18:15

Tgt Ion: 106 Resp: 3889
Ion Ratio Lower Upper
106 100
91 214.8 159.8 239.8



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

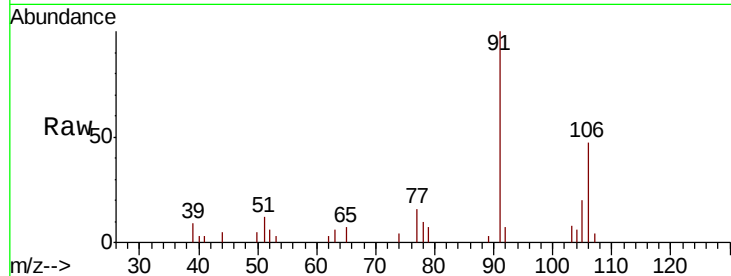




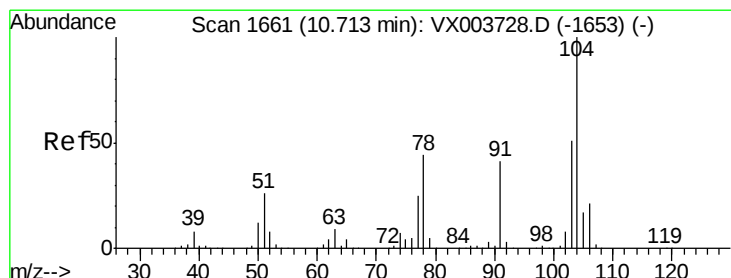
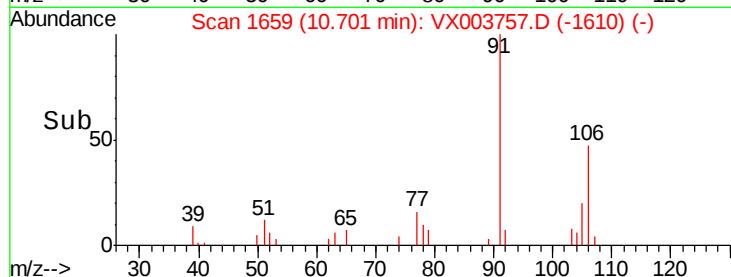
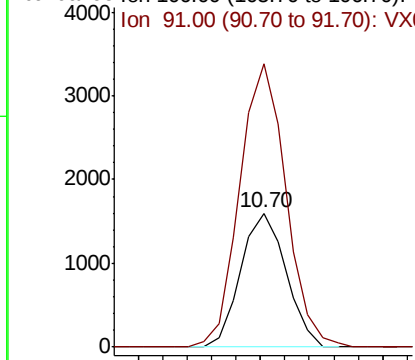
#69
o-Xylene
Concen: 1.47 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX003757.D
Acq: 31 Jul 2018 18:15

Instrument :
MSVOA_X
ClientSampled :
GW-04(3-5)

Tot Ion:106 Resp: 2061
Ion Ratio Lower Upper
106 100
91 216.5 105.6 316.8

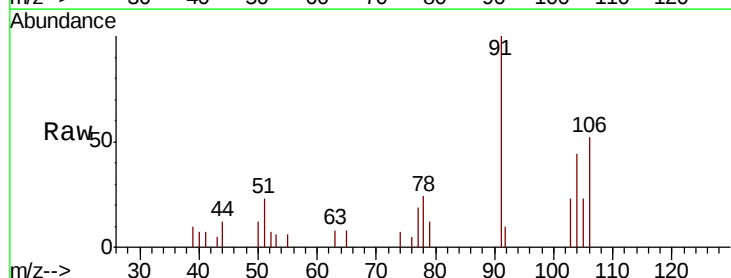


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

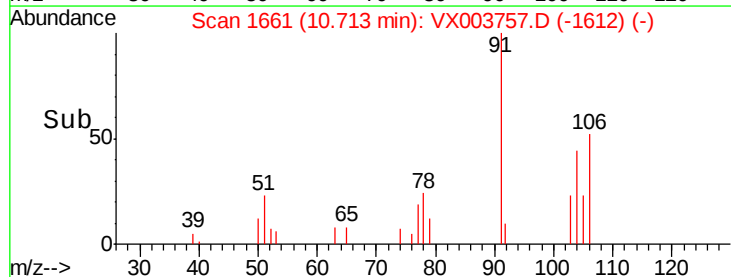
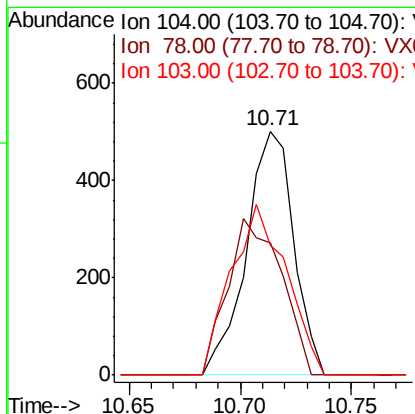


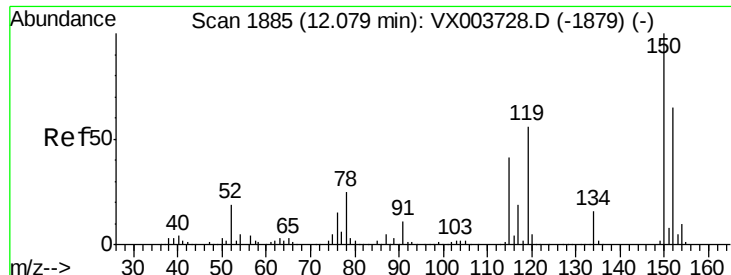
#70
Styrene
Concen: 0.32 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX003757.D
Acq: 31 Jul 2018 18:15

Tgt Ion:104 Resp: 742
Ion Ratio Lower Upper
104 100
78 72.9 38.2 57.2#
103 81.4 44.5 66.7#



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VX003757.D

Acq: 31 Jul 2018 18:15

Instrument :

MSVOA_X

ClientSampled :

GW-04(3-5)

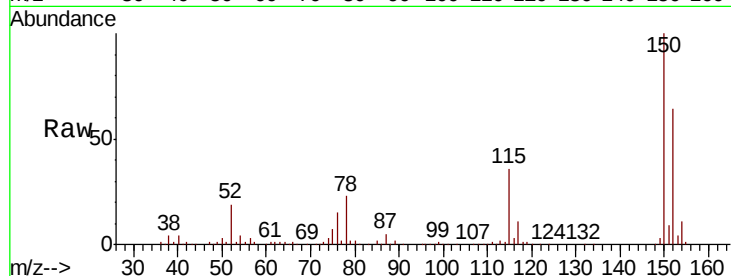
Tot Ion:152 Resp: 51097

Ion Ratio Lower Upper

152 100

115 55.0 38.5 115.3

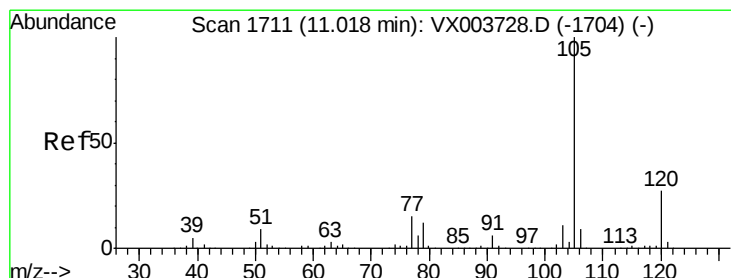
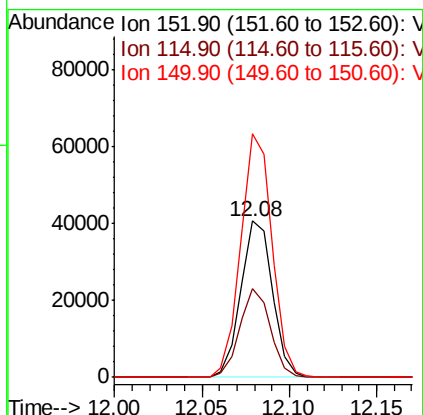
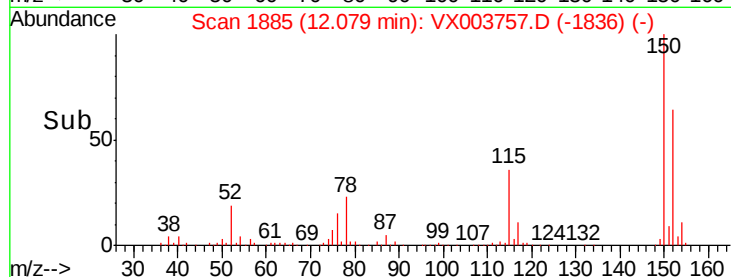
150 154.4 0.0 346.2



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



#73

Isopropylbenzene

Concen: 0.86 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. 0.00 min

Lab File: VX003757.D

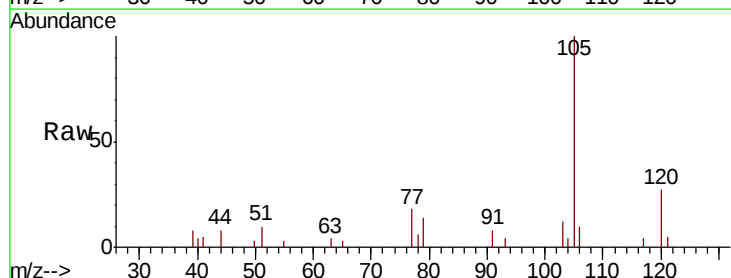
Acq: 31 Jul 2018 18:15

Tgt Ion:105 Resp: 2736

Ion Ratio Lower Upper

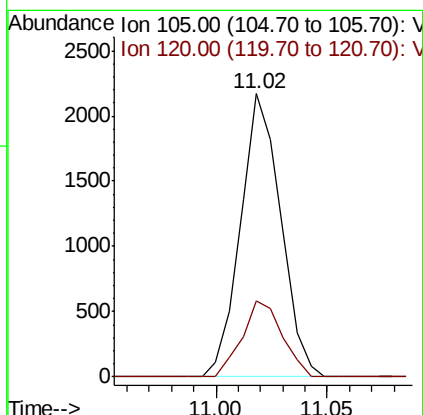
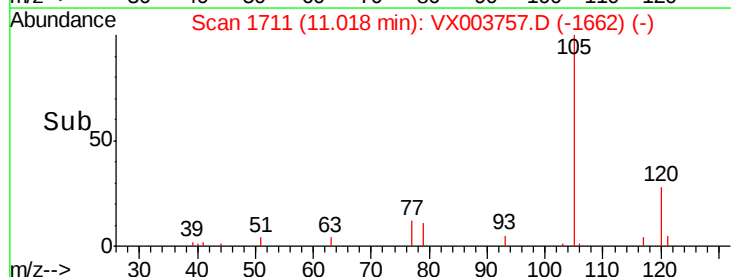
105 100

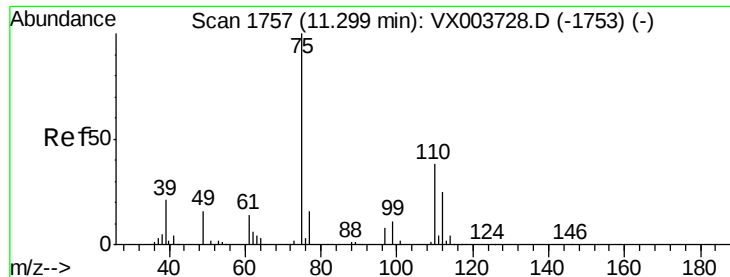
120 26.8 13.5 40.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#76

1,2,3-Trichloropropane

Concen: 34.98 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX003757.D

Acq: 31 Jul 2018 18:15

Instrument :

MSVOA_X

ClientSampleId :

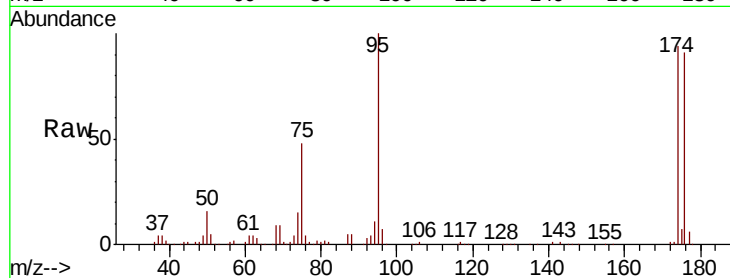
GW-04(3-5)

Tot Ion: 75 Resp: 24640

Ion Ratio Lower Upper

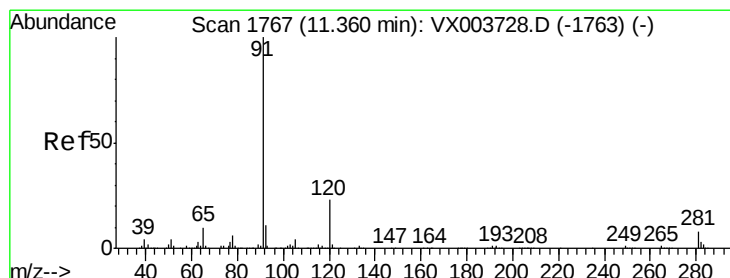
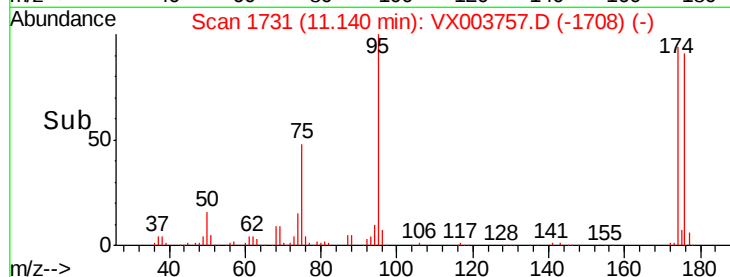
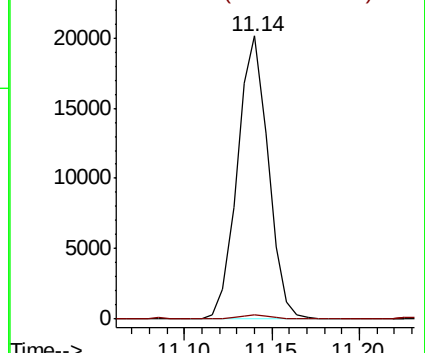
75 100

77 1.5 21.6 65.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



#78

n-propylbenzene

Concen: 0.32 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. 0.00 min

Lab File: VX003757.D

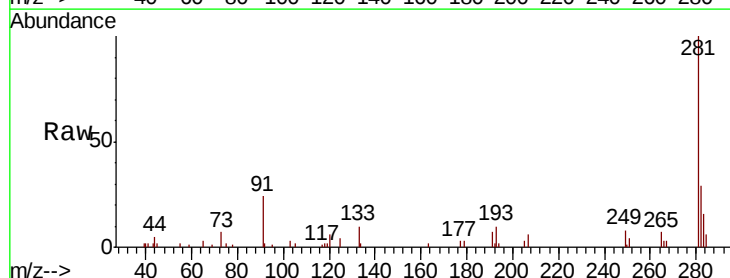
Acq: 31 Jul 2018 18:15

Tgt Ion: 91 Resp: 1221

Ion Ratio Lower Upper

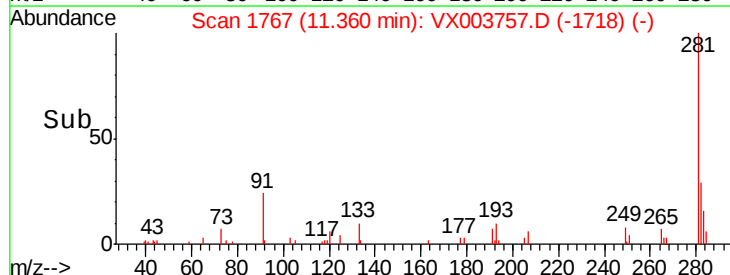
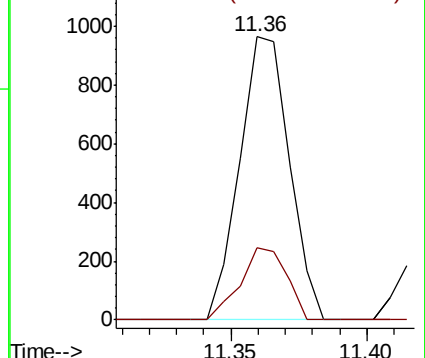
91 100

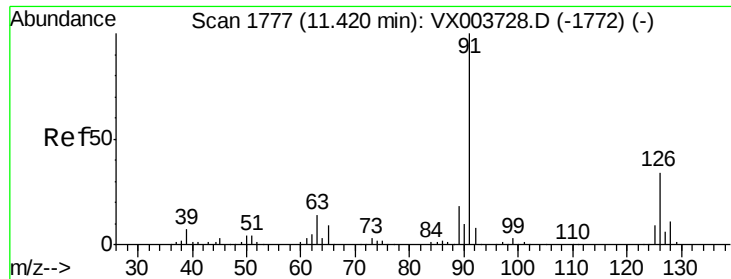
120 23.7 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 0.63 ug/l

RT: 11.43 min Scan# 1779

Delta R.T. 0.01 min

Lab File: VX003757.D

Acq: 31 Jul 2018 18:15

Instrument :

MSVOA_X

ClientSampled :

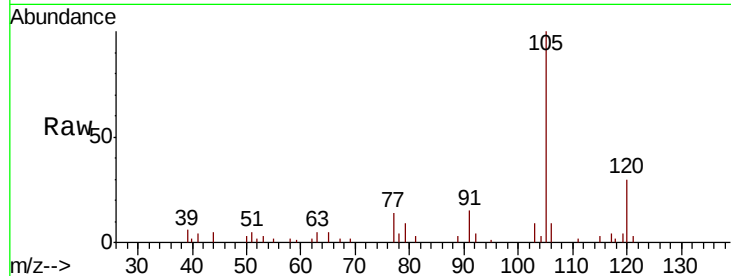
GW-04(3-5)

Tot Ion: 91 Resp: 1397

Ion Ratio Lower Upper

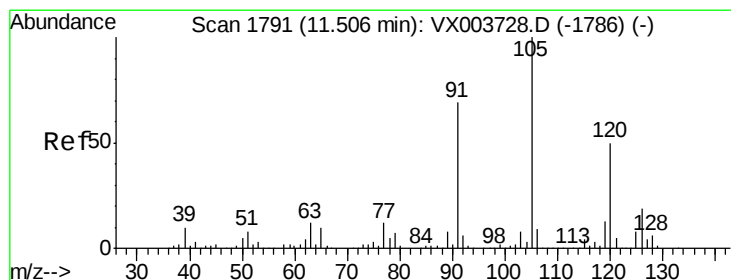
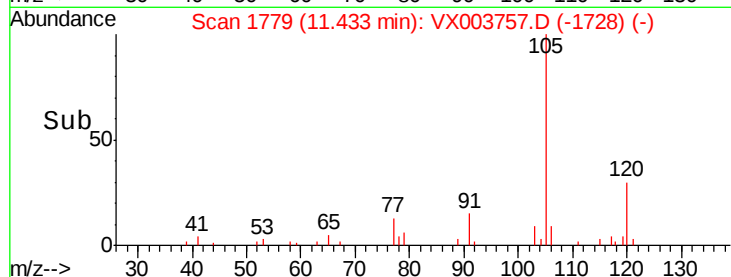
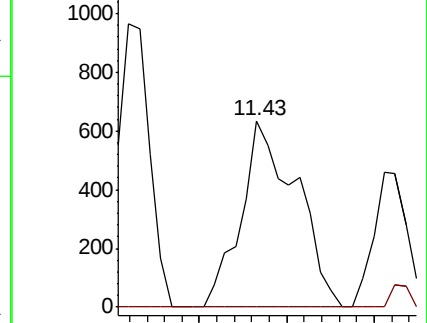
91 100

126 0.0 17.6 52.8#



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 3.40 ug/l

RT: 11.44 min Scan# 1780

Delta R.T. -0.07 min

Lab File: VX003757.D

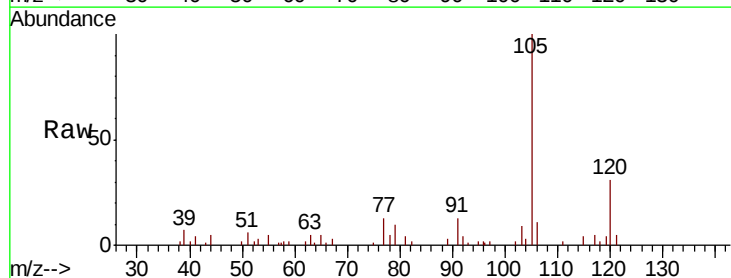
Acq: 31 Jul 2018 18:15

Tgt Ion:105 Resp: 9296

Ion Ratio Lower Upper

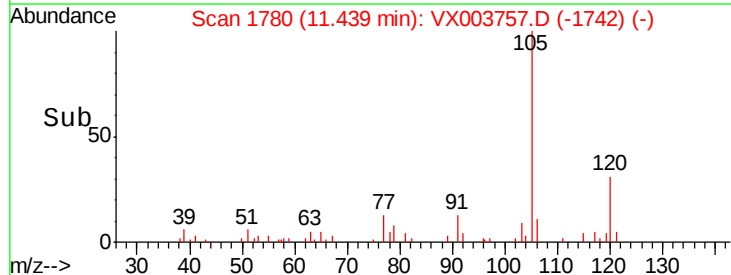
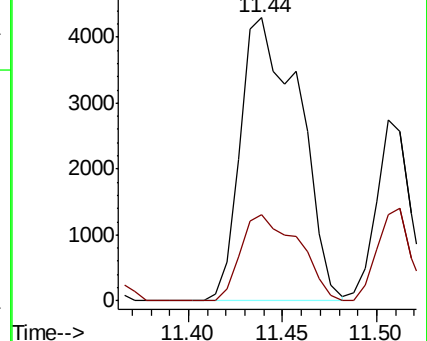
105 100

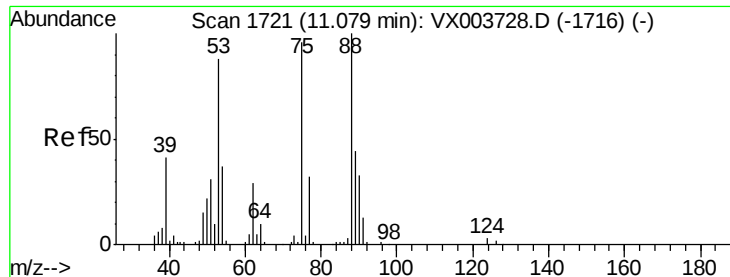
120 30.0 15.8 47.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 103.63 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX003757.D

Acq: 31 Jul 2018 18:15

Instrument :

MSVOA_X

ClientSampled :

GW-04(3-5)

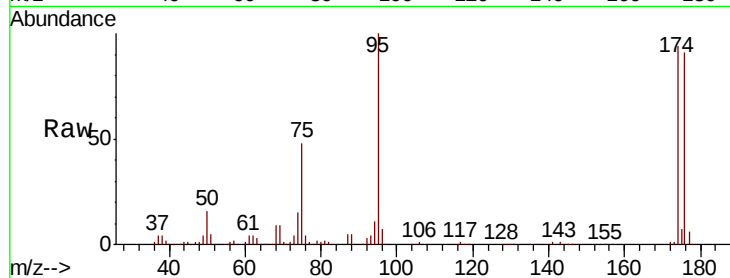
Tot Ion: 75 Resp: 24640

Ion Ratio Lower Upper

75 100

53 0.2 75.8 113.8#

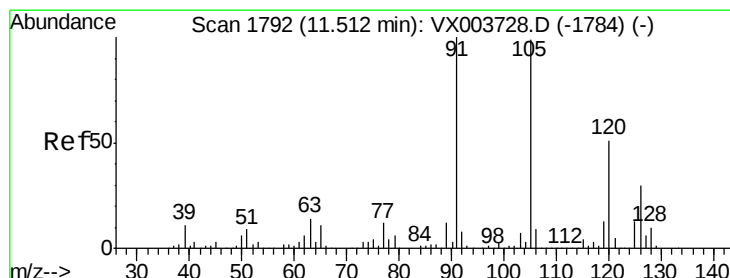
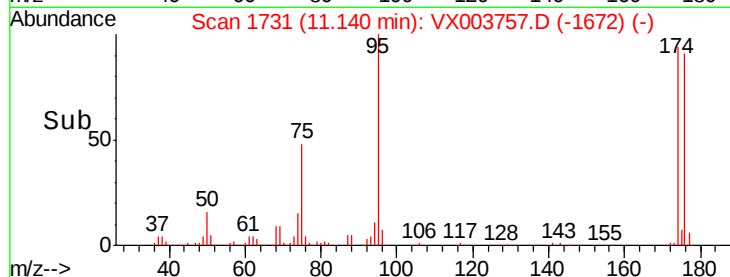
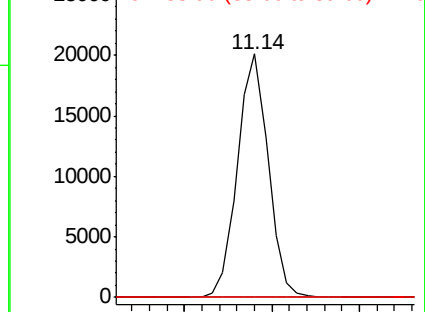
89 0.0 39.1 58.7#



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



#82

4-Chlorotoluene

Concen: 0.25 ug/l

RT: 11.51 min Scan# 1791

Delta R.T. -0.01 min

Lab File: VX003757.D

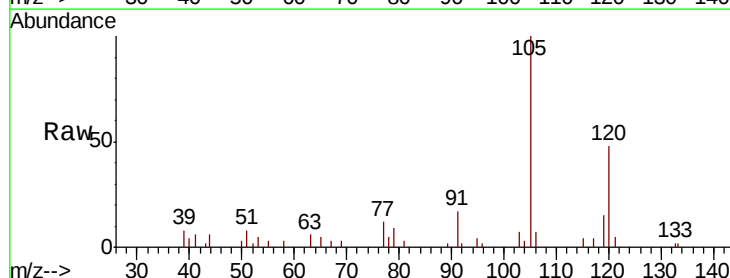
Acq: 31 Jul 2018 18:15

Tgt Ion: 91 Resp: 658

Ion Ratio Lower Upper

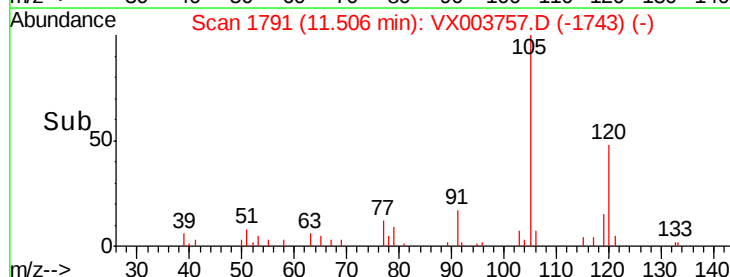
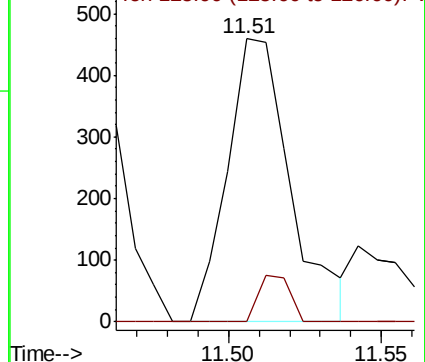
91 100

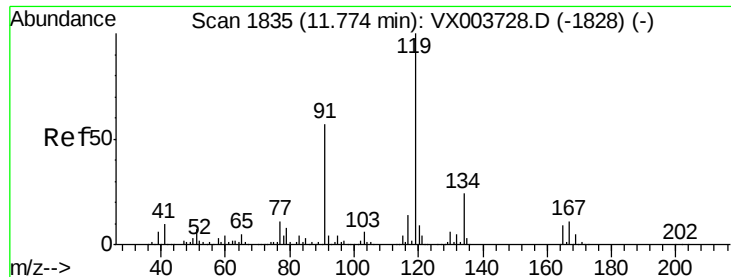
126 8.2 15.6 46.7#



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

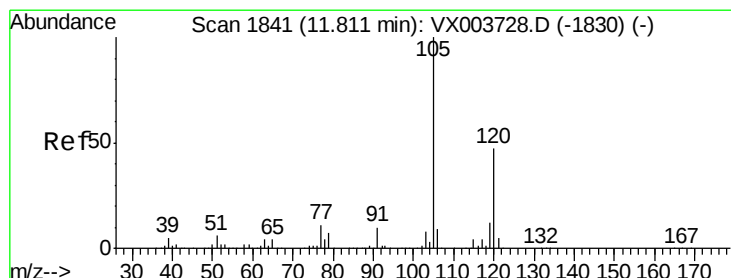
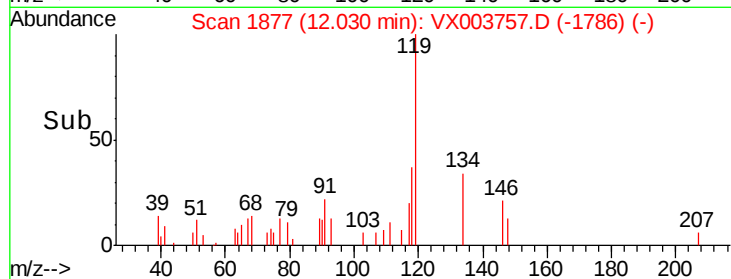
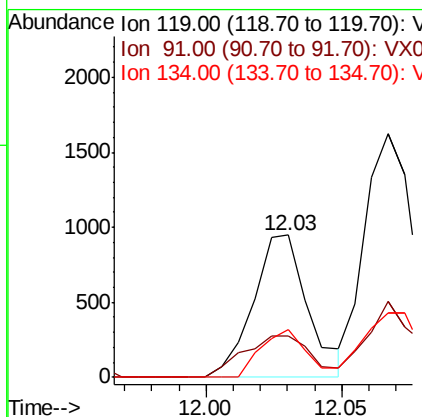
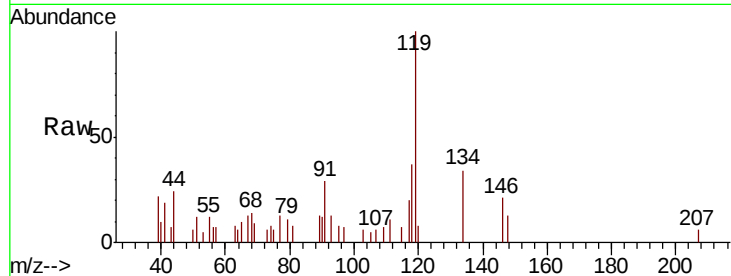




#83
 tert-Butylbenzene
 Concen: 0.49 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.26 min
 Lab File: VX003757.D
 Acq: 31 Jul 2018 18:15

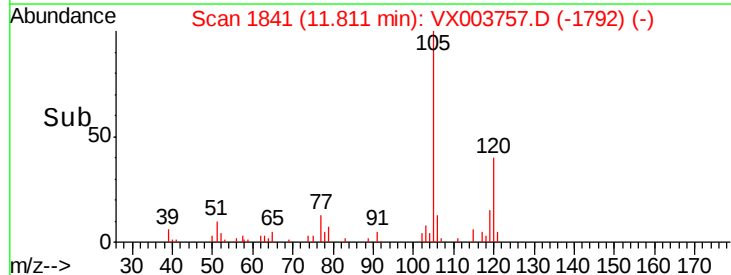
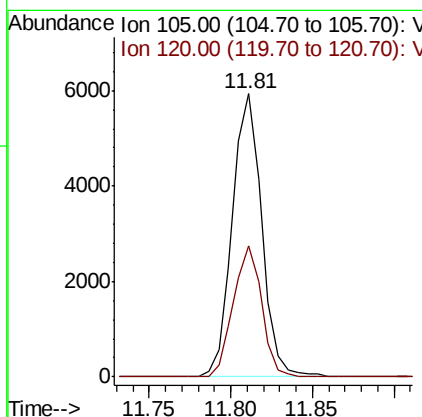
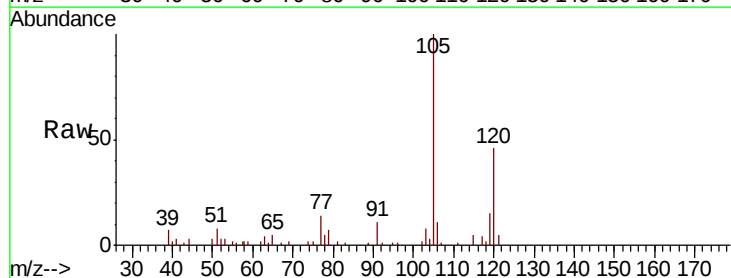
Instrument :
 MSVOA_X
 ClientSampled :
 GW-04(3-5)

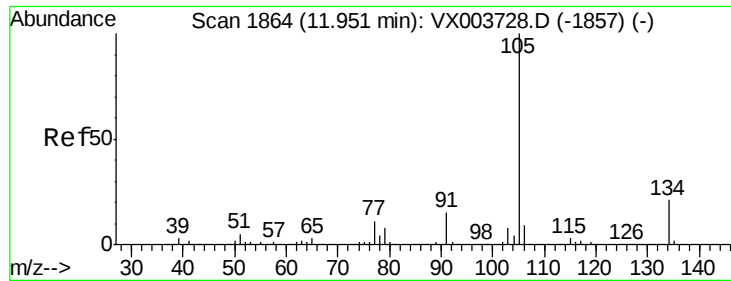
Tot Ion:119 Resp: 1322
 Ion Ratio Lower Upper
 119 100
 91 35.9 27.2 81.6
 134 27.0 11.6 34.8



#84
 1,2,4-Trimethylbenzene
 Concen: 2.64 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX003757.D
 Acq: 31 Jul 2018 18:15

Tgt Ion:105 Resp: 7421
 Ion Ratio Lower Upper
 105 100
 120 44.5 23.1 69.2





#85

sec-Butylbenzene

Concen: 0.20 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX003757.D

Acq: 31 Jul 2018 18:15

Instrument :

MSVOA_X

ClientSampleId :

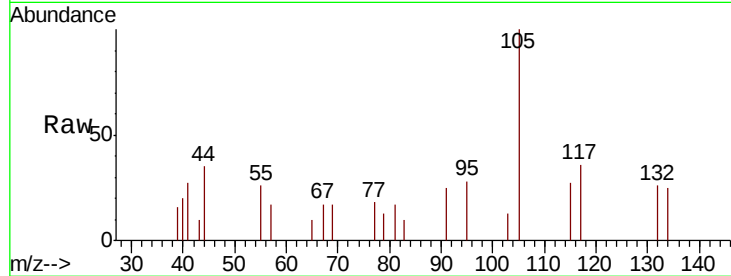
GW-04(3-5)

Tot Ion:105 Resp: 692

Ion Ratio Lower Upper

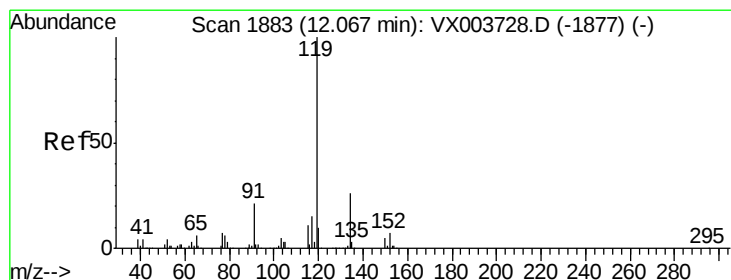
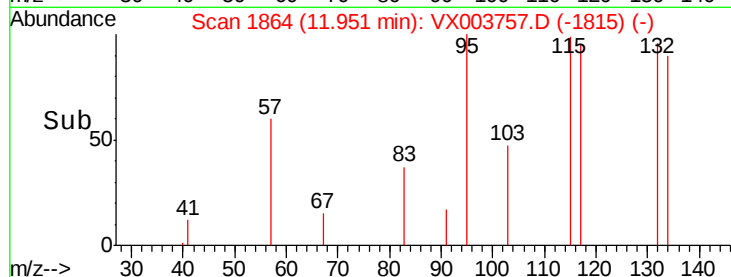
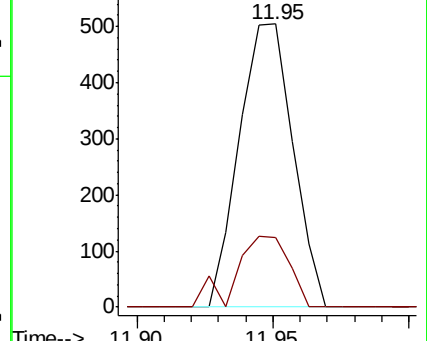
105 100

134 24.9 10.3 30.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 0.42 ug/l

RT: 12.03 min Scan# 1877

Delta R.T. -0.04 min

Lab File: VX003757.D

Acq: 31 Jul 2018 18:15

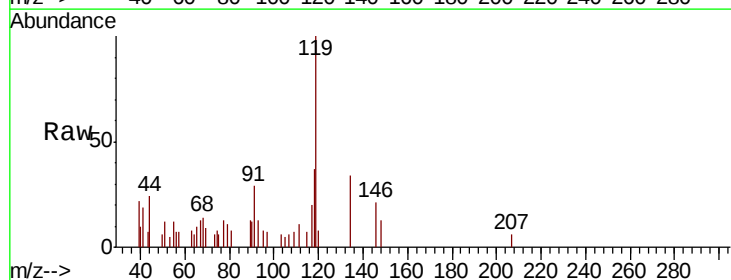
Tgt Ion:119 Resp: 1322

Ion Ratio Lower Upper

119 100

134 27.0 10.1 30.1

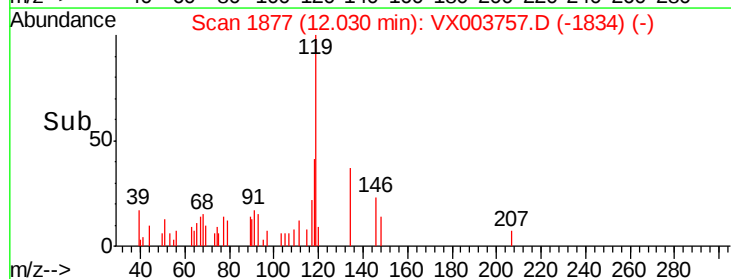
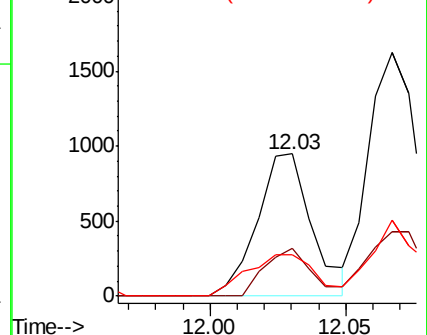
91 35.9 23.6 70.8

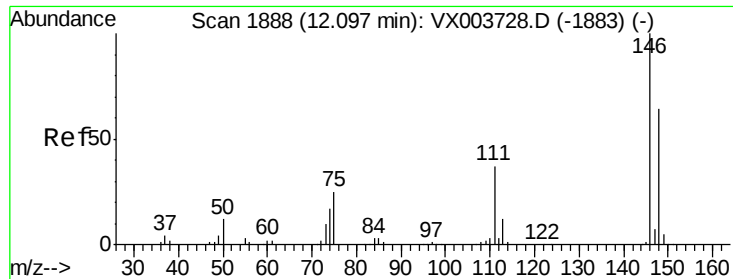


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

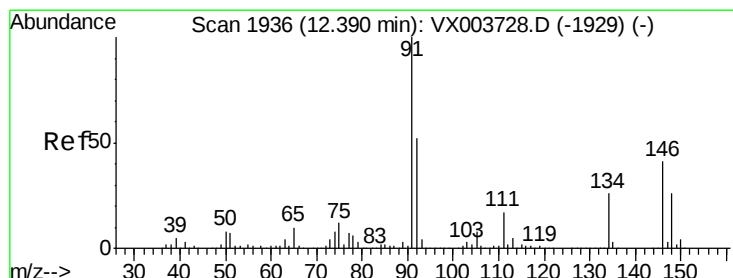
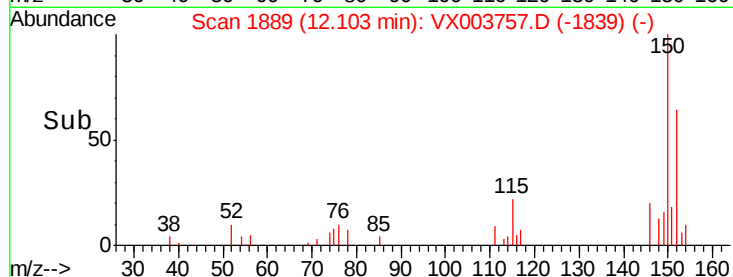
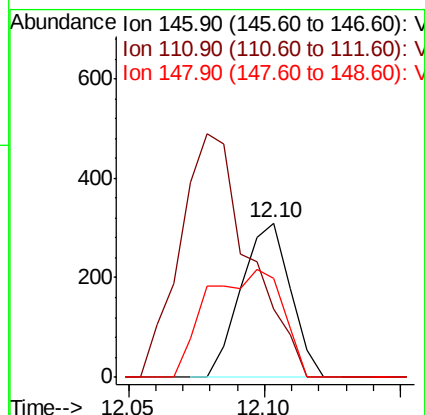
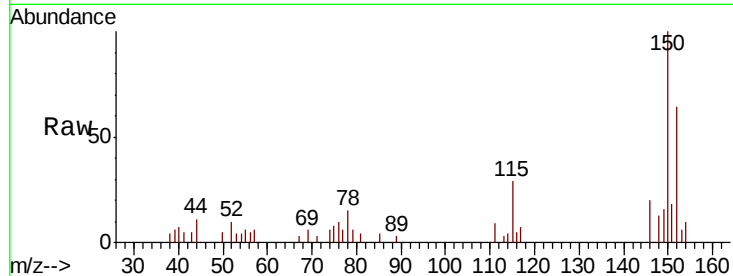




#88
 1,4-Dichlorobenzene
 Concen: 0.23 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. 0.01 min
 Lab File: VX003757.D
 Acq: 31 Jul 2018 18:15

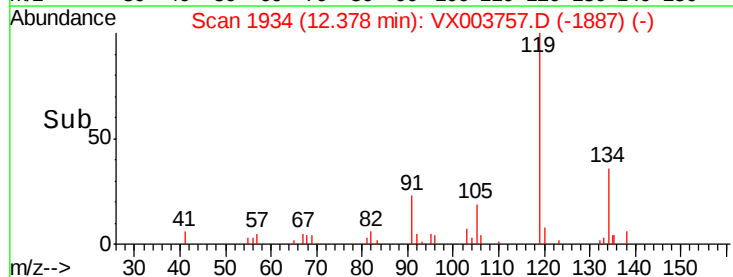
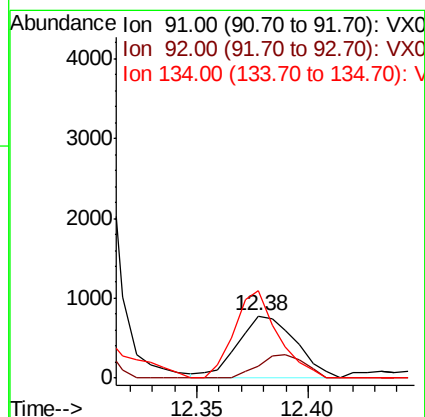
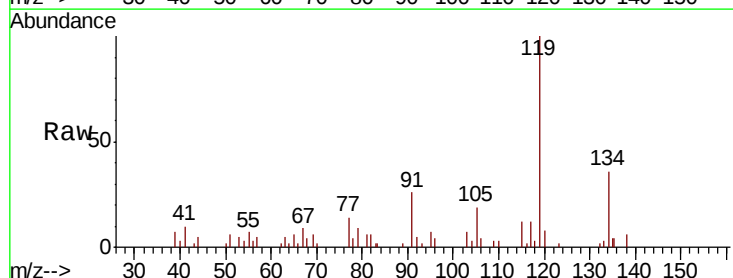
Instrument :
 MSVOA_X
 ClientSampleId :
 GW-04(3-5)

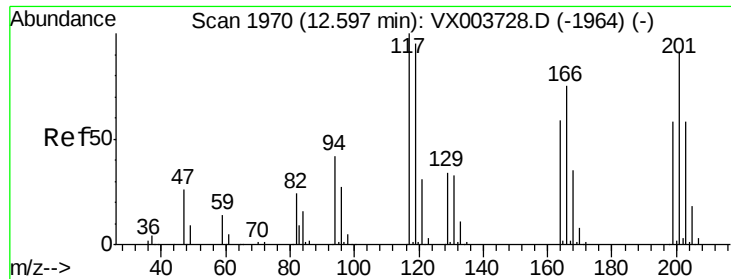
Tot Ion:146 Resp: 388
 Ion Ratio Lower Upper
 146 100
 111 0.0 18.3 54.9#
 148 107.2 32.0 96.2#



#89
 n-Butylbenzene
 Concen: 0.48 ug/l
 RT: 12.38 min Scan# 1934
 Delta R.T. -0.01 min
 Lab File: VX003757.D
 Acq: 31 Jul 2018 18:15

Tgt Ion: 91 Resp: 1427
 Ion Ratio Lower Upper
 91 100
 92 29.7 26.2 78.5
 134 105.3 13.6 40.7#





#90

Hexachloroethane

Concen: 2.95 ug/l

RT: 12.47 min Scan# 1949

Delta R.T. -0.13 min

Lab File: VX003757.D

Acq: 31 Jul 2018 18:15

Instrument :

MSVOA_X

ClientSampled :

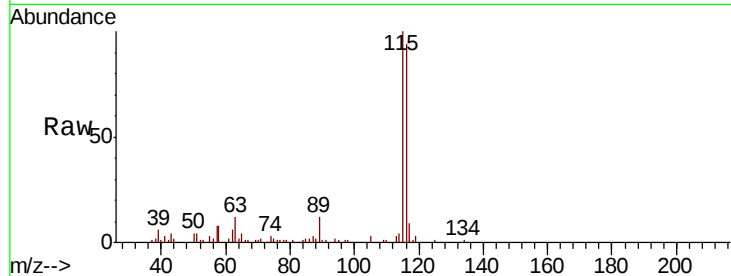
GW-04(3-5)

Tot Ion:117 Resp: 1374

Ion Ratio Lower Upper

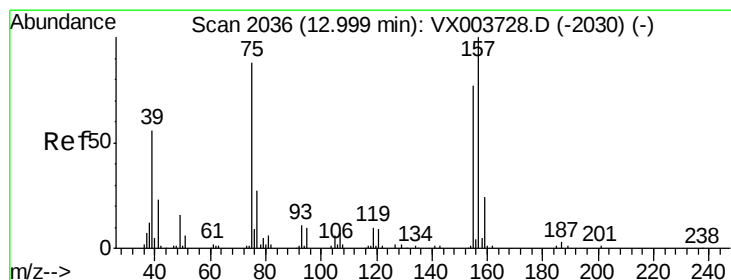
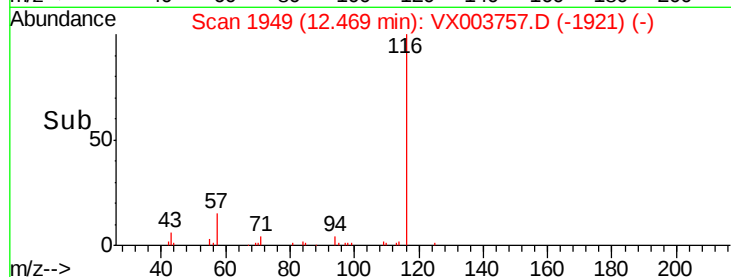
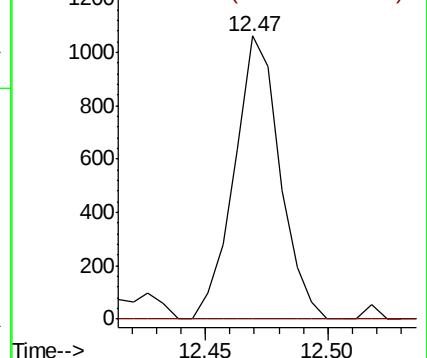
117 100

201 0.0 49.3 147.8#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.32 ug/l

RT: 13.02 min Scan# 2039

Delta R.T. 0.02 min

Lab File: VX003757.D

Acq: 31 Jul 2018 18:15

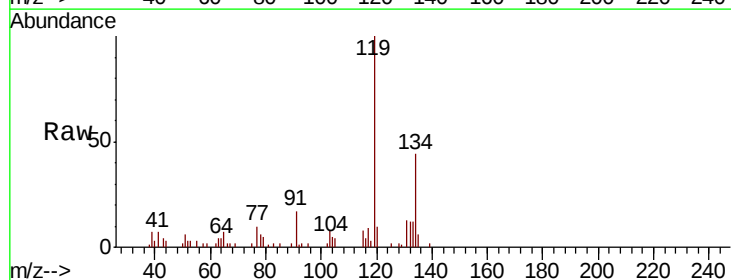
Tgt Ion: 75 Resp: 53

Ion Ratio Lower Upper

75 100

155 0.0 48.9 146.7#

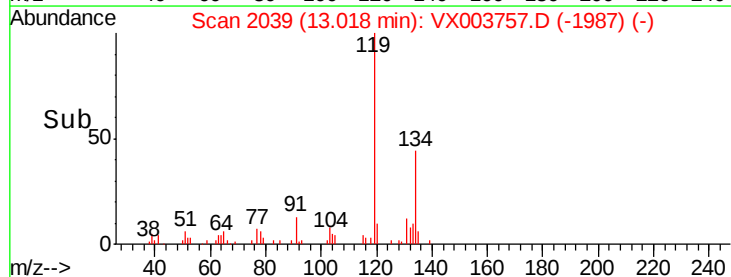
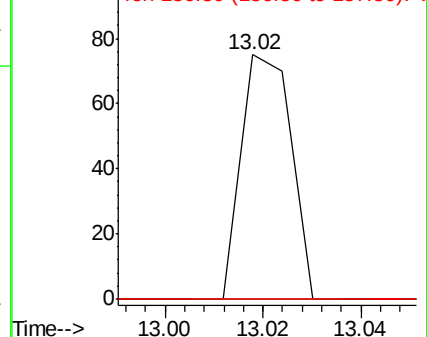
157 0.0 63.7 191.1#

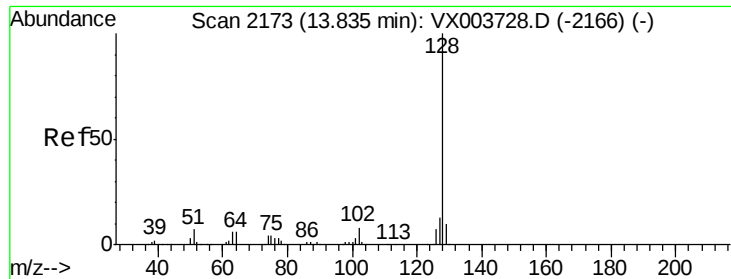


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

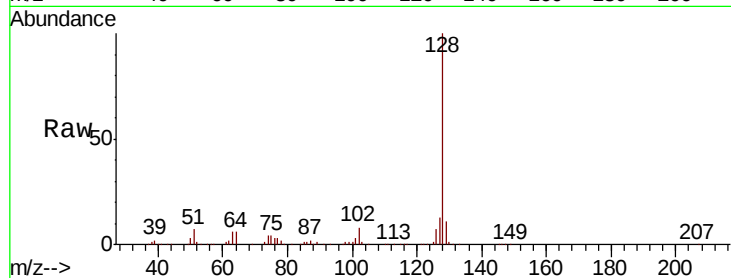




#95
 Naphthalene
 Concen: 34.89 ug/l
 RT: 13.83 min Scan# 2173
 Delta R.T. 0.00 min
 Lab File: VX003757.D
 Acq: 31 Jul 2018 18:15

Instrument :
 MSVOA_X
 ClientSampleId :
 GW-04(3-5)

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.2
129	11.4	8.7	13.1



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

