

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX073118\
 Data File : VX003780.D
 Acq On : 01 Aug 2018 05:34
 Operator : JC/SP
 Sample : J4143-05
 Misc : 10.77G/5.0mL/MSVOA X/SOIL
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 GW-01(3-5)

Quant Time: Aug 01 06:48:09 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	121608	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	173759	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	107782	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	35833	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	48821	39.69	ug/l	0.00
Spiked Amount			Recovery	=	79.38%	
35) Dibromofluoromethane	5.50	113	15879	15.52	ug/l	0.00
Spiked Amount			Recovery	=	31.04%	
50) Toluene-d8	8.72	98	140726	32.99	ug/l	0.00
Spiked Amount			Recovery	=	65.98%	
62) 4-Bromofluorobenzene	11.14	95	33863	21.53	ug/l	0.00
Spiked Amount			Recovery	=	43.06%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	151	Below Cal	#	64
11) Tert butyl alcohol	3.07	59	452	2.27	ug/l	# 73
14) Allyl chloride	2.71	41	728	0.38	ug/l	# 63
15) Acrylonitrile	3.15	53	270	0.53	ug/l	# 66
16) Acetone	2.45	43	26992	57.46	ug/l	95
17) Carbon Disulfide	2.57	76	24502	6.93	ug/l	98
18) Methyl Acetate	2.78	43	774	0.59	ug/l	# 85
20) Methylene Chloride	2.85	84	3393	Below Cal	#	92
25) 2-Butanone	4.73	43	2279	3.33	ug/l	96
26) 2,2-Dichloropropane	4.74	77	2302	1.44	ug/l	# 51
29) Tetrahydrofuran	5.16	42	95	0.22	ug/l	# 33
30) Chloroform	5.22	83	507	0.25	ug/l	88
36) 1,1-Dichloropropene	5.67	75	8546	5.25	ug/l	# 48
37) Ethyl Acetate	4.73	43	2279	1.82	ug/l	# 16
38) Carbon Tetrachloride	5.67	117	10925	7.26	ug/l	# 16
39) Methylcyclohexane	7.47	83	463	0.23	ug/l	# 86
40) Benzene	6.15	78	8201	1.76	ug/l	99
52) Toluene	8.79	92	1587	0.55	ug/l	94
60) Dibromochloromethane	9.34	129	371	0.37	ug/l	# 11
64) Tetrachloroethene	9.34	164	462	0.55	ug/l	# 83
67) Ethyl Benzene	10.26	91	4378	1.15	ug/l	98
68) m/p-Xylenes	10.36	106	1069	0.72	ug/l	97
69) o-Xylene	10.70	106	535	0.39	ug/l	80
73) Isopropylbenzene	11.02	105	2208	0.98	ug/l	98
76) 1,2,3-Trichloropropane	11.14	75	16847	34.11	ug/l	# 35
78) n-propylbenzene	11.36	91	760	0.28	ug/l	91
79) 2-Chlorotoluene	11.43	91	1214	0.79	ug/l	# 42
80) 1,3,5-Trimethylbenzene	11.44	105	4005	2.09	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.14	75	16847	101.03	ug/l	# 11
82) 4-Chlorotoluene	11.51	91	1006	0.54	ug/l	# 52
84) 1,2,4-Trimethylbenzene	11.81	105	4658	2.36	ug/l	99
85) sec-Butylbenzene	11.81	105	4658	1.92	ug/l	# 56
86) p-Isopropyltoluene	12.07	119	2783	1.26	ug/l	77
89) n-Butylbenzene	12.37	91	1487	0.71	ug/l	# 9

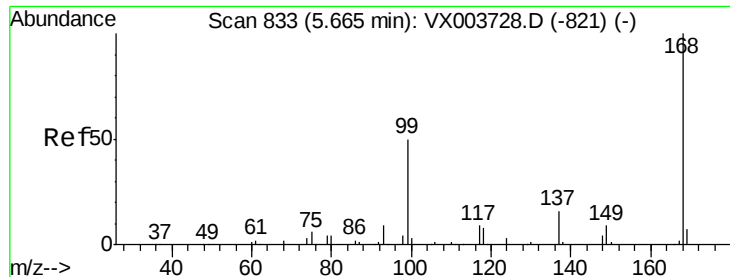
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX073118\
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GW-01(3-5)

Quant Time: Aug 01 06:48:09 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)
90) Hexachloroethane	12.61	117	1045	3.20	ug/l #	1
92) 1,2-Dibromo-3-Chloropropan	13.02	75	101	0.87	ug/l #	1
93) 1,2,4-Trichlorobenzene	13.65	180	311	0.36	ug/l #	79
95) Naphthalene	13.83	128	36761	19.68	ug/l	98
96) 1,2,3-Trichlorobenzene	14.02	180	298	0.38	ug/l #	37

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.00 min

Lab File: VX003780.D

Acq: 01 Aug 2018 05:34

Instrument :

MSVOA_X

ClientSampled :

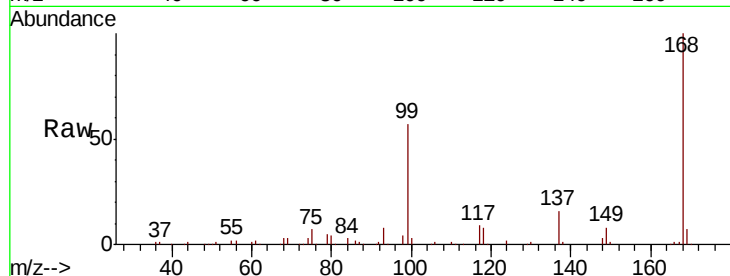
GW-01(3-5)

Tot Ion:168 Resp: 121608

Ion Ratio Lower Upper

168 100

99 56.9 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

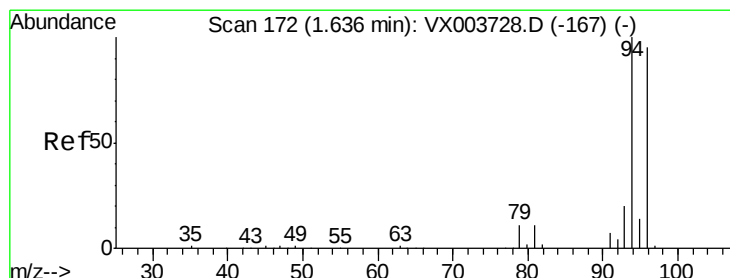
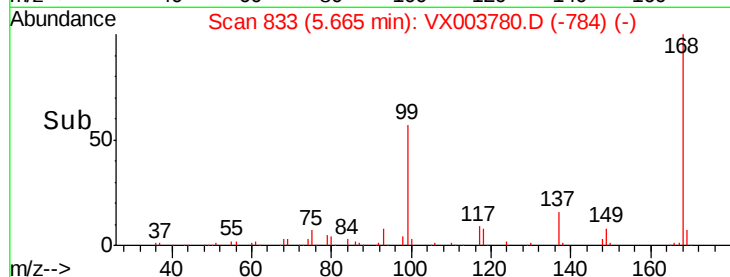
20000

10000

0

5.60 5.70 5.80

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 173

Delta R.T. 0.01 min

Lab File: VX003780.D

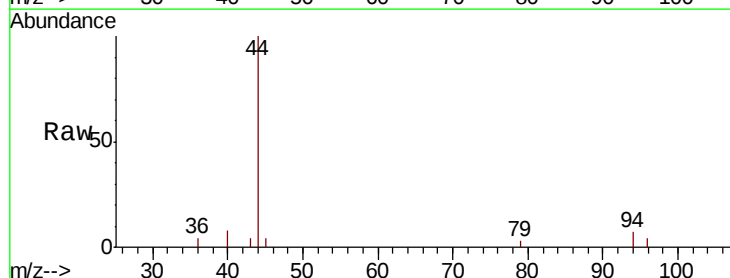
Acq: 01 Aug 2018 05:34

Tgt Ion: 94 Resp: 151

Ion Ratio Lower Upper

94 100

96 60.4 76.0 114.0#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

120

100

80

60

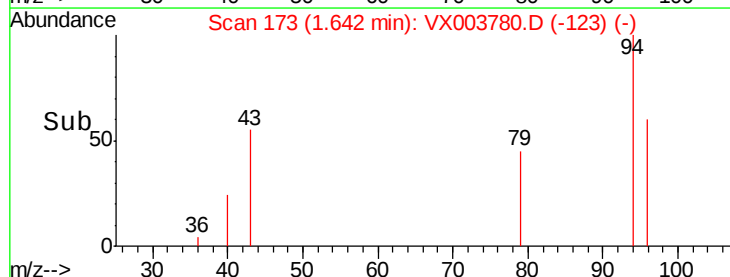
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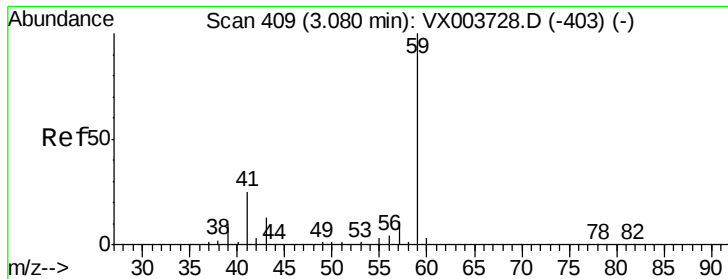
20

0

1.60 1.62 1.64 1.66 1.68

Time-->

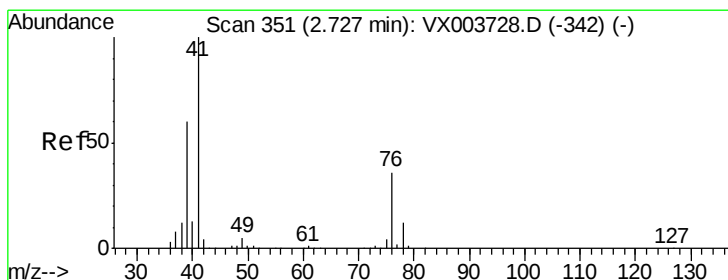
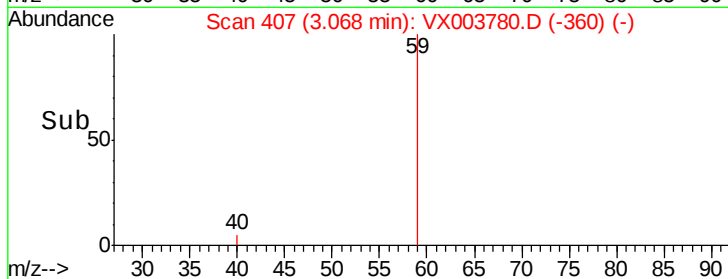
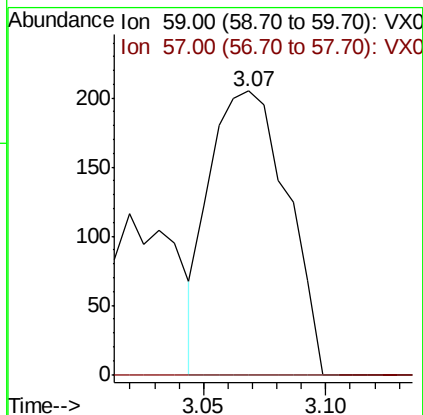
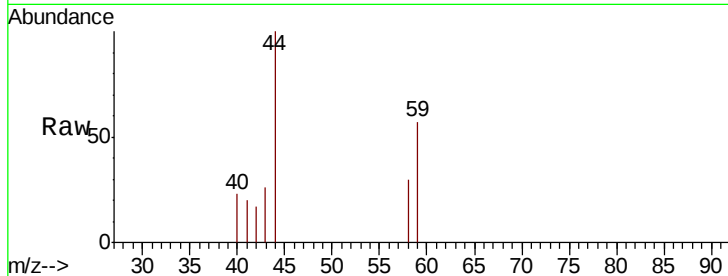




#11
Tert butyl alcohol
Concen: 2.27 ug/l
RT: 3.07 min Scan# 407
Delta R.T. -0.01 min
Lab File: VX003780.D
Acq: 01 Aug 2018 05:34

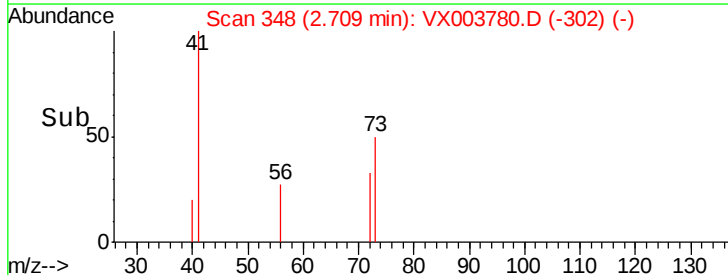
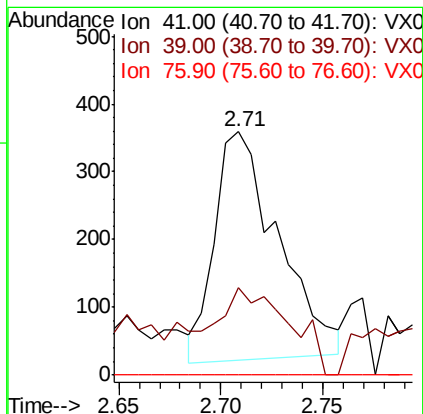
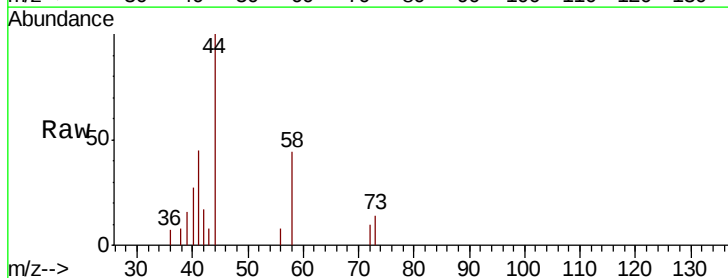
Instrument :
MSVOA_X
ClientSampled :
GW-01(3-5)

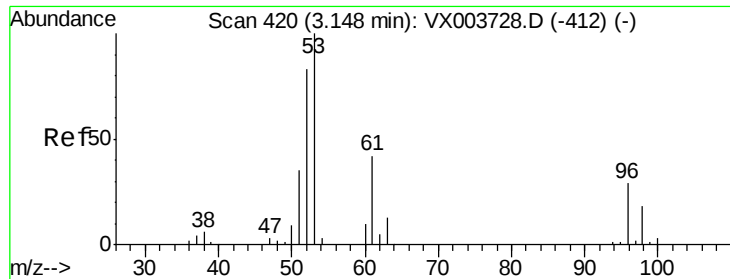
Tot Ion: 59 Resp: 452
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#



#14
Allyl chloride
Concen: 0.38 ug/l
RT: 2.71 min Scan# 348
Delta R.T. -0.02 min
Lab File: VX003780.D
Acq: 01 Aug 2018 05:34

Tgt Ion: 41 Resp: 728
Ion Ratio Lower Upper
41 100
39 41.3 47.7 71.5#
76 0.0 27.0 40.6#

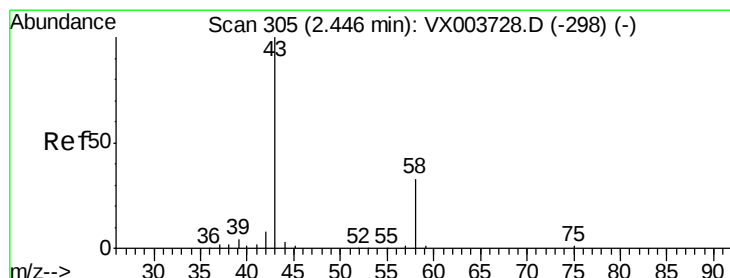
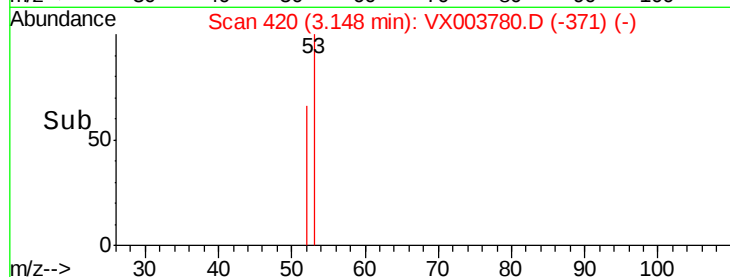
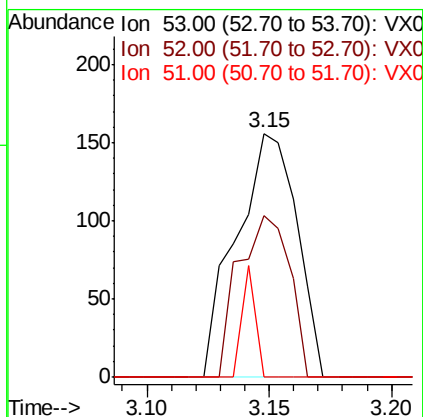
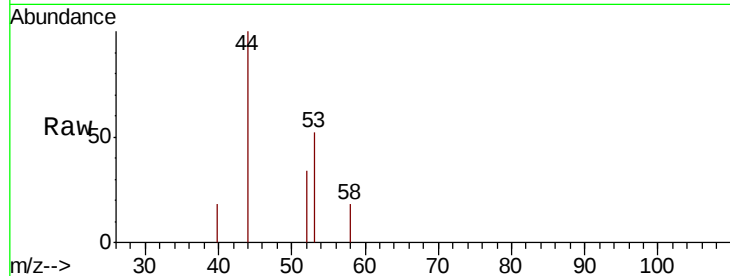




#15
 Acrylonitrile
 Concen: 0.53 ug/l
 RT: 3.15 min Scan# 420
 Delta R.T. 0.00 min
 Lab File: VX003780.D
 Acq: 01 Aug 2018 05:34

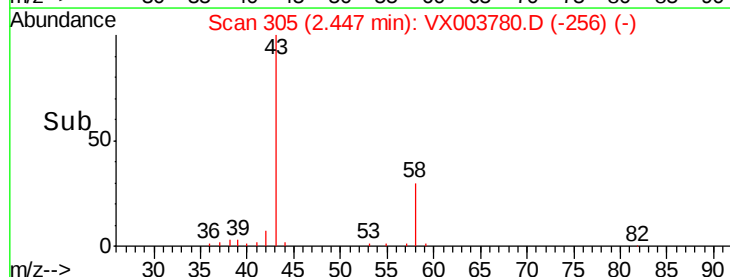
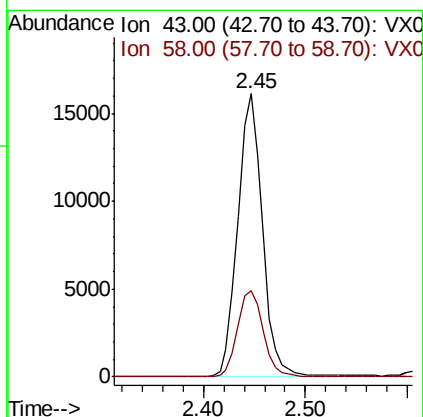
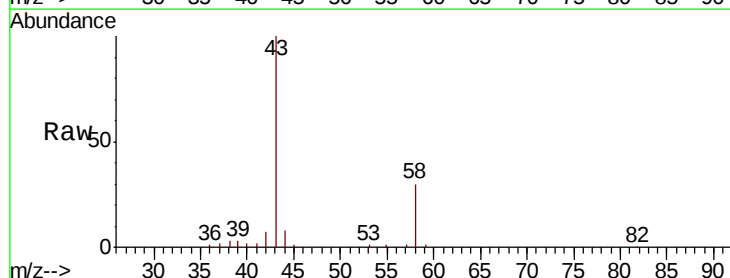
Instrument :
 MSVOA_X
 ClientSampled :
 GW-01(3-5)

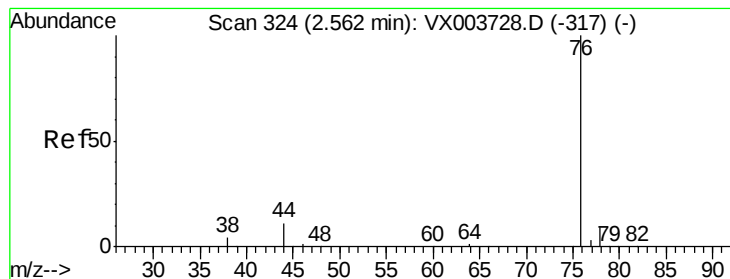
Tot Ion: 53 Resp: 270
 Ion Ratio Lower Upper
 53 100
 52 55.6 66.2 99.2#
 51 9.6 28.5 42.7#



#16
 Acetone
 Concen: 57.46 ug/l
 RT: 2.45 min Scan# 305
 Delta R.T. 0.00 min
 Lab File: VX003780.D
 Acq: 01 Aug 2018 05:34

Tgt Ion: 43 Resp: 26992
 Ion Ratio Lower Upper
 43 100
 58 30.4 26.7 40.1





#17

Carbon Disulfide

Concen: 6.93 ug/l

RT: 2.57 min Scan# 325

Delta R.T. 0.01 min

Lab File: VX003780.D

Acq: 01 Aug 2018 05:34

Instrument :

MSVOA_X

ClientSampleId :

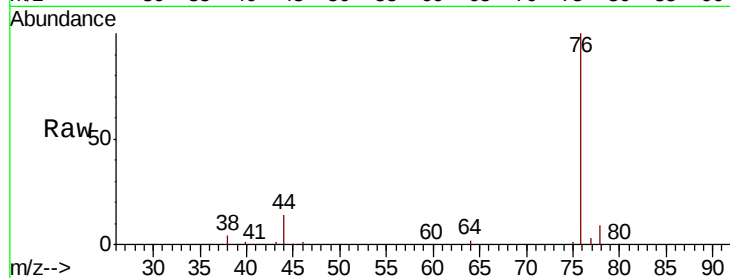
GW-01(3-5)

Tot Ion: 76 Resp: 24502

Ion Ratio Lower Upper

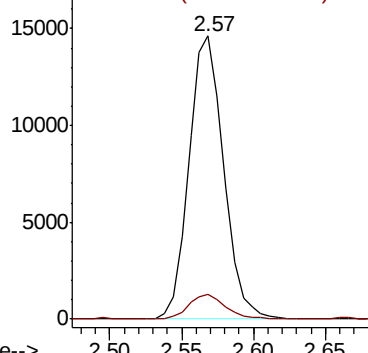
76 100

78 8.6 7.3 10.9

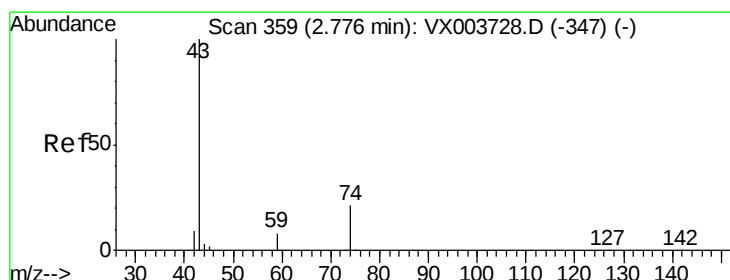
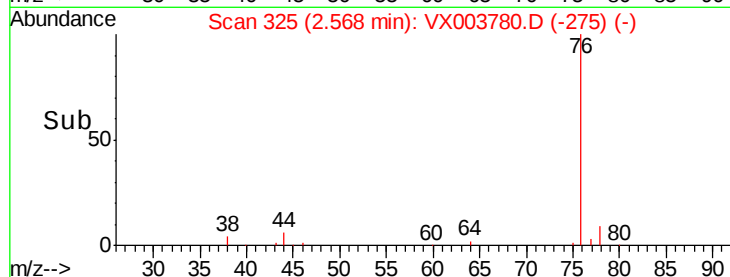


Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



Time-->



#18

Methyl Acetate

Concen: 0.59 ug/l

RT: 2.78 min Scan# 359

Delta R.T. 0.00 min

Lab File: VX003780.D

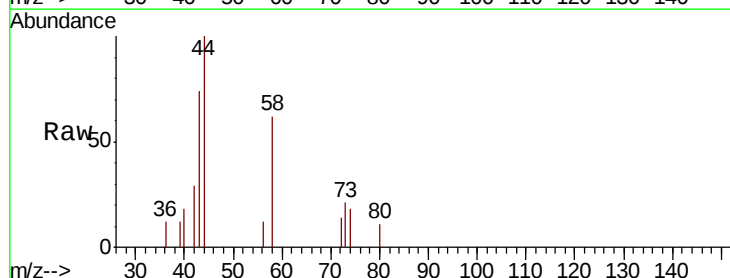
Acq: 01 Aug 2018 05:34

Tgt Ion: 43 Resp: 774

Ion Ratio Lower Upper

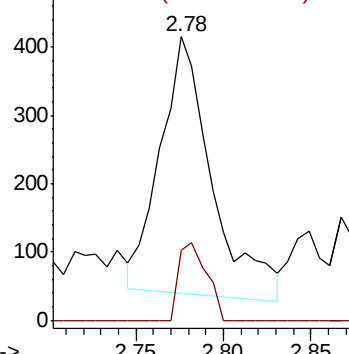
43 100

74 16.4 18.9 28.3#

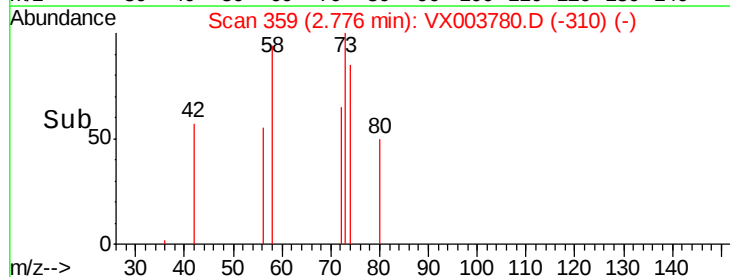


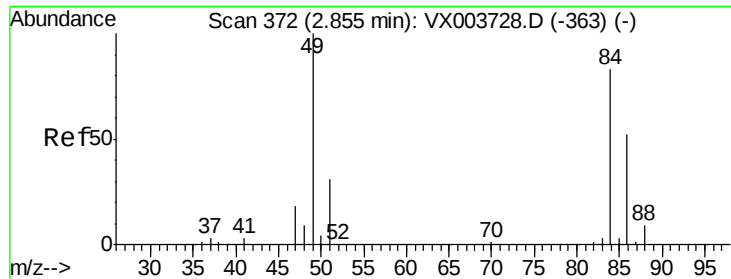
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0



Time-->

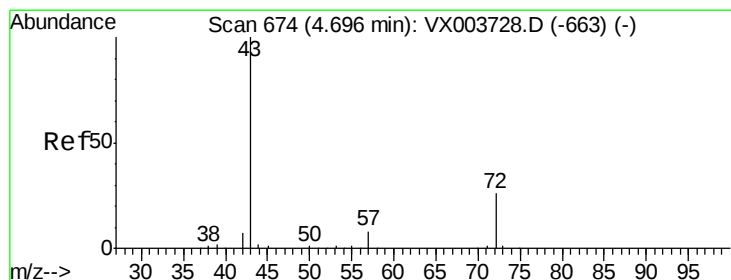
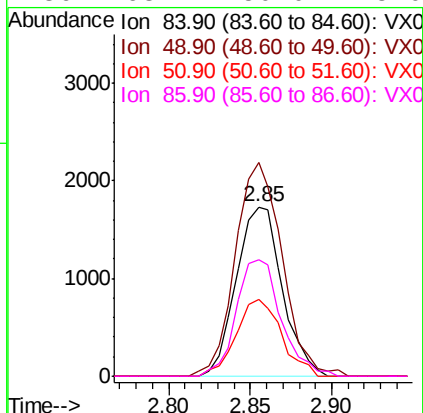
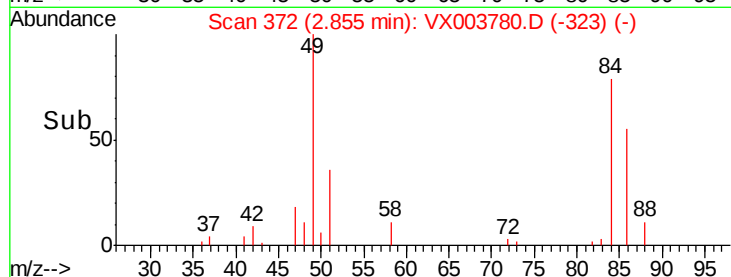
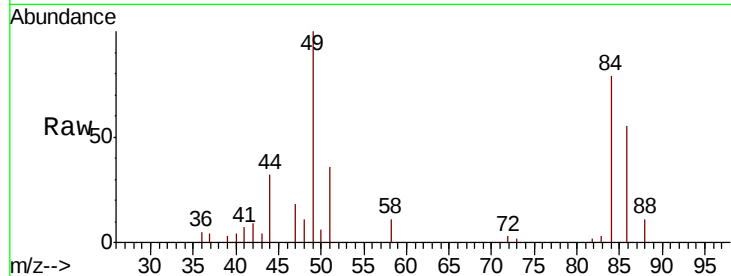




#20
Methylene Chloride
Concen: Below Cal
RT: 2.85 min Scan# 372
Delta R.T. 0.00 min
Lab File: VX003780.D
Acq: 01 Aug 2018 05:34

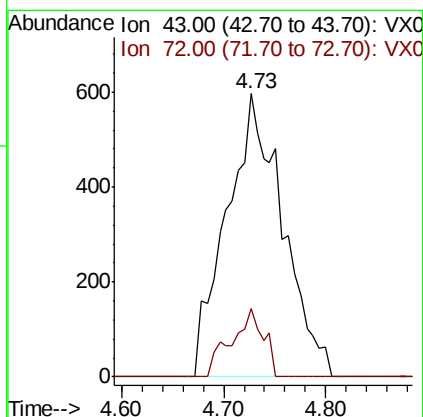
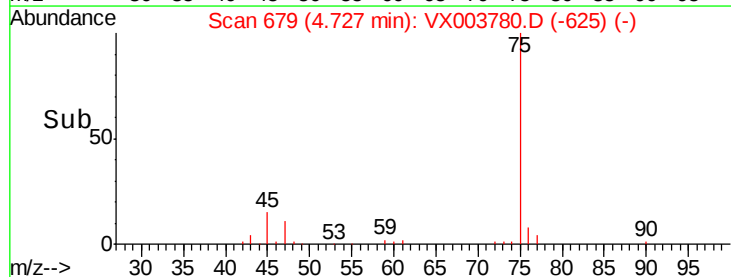
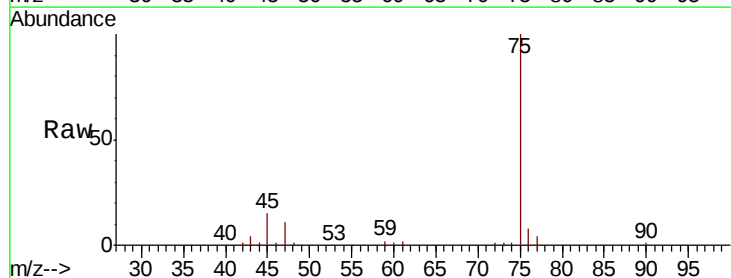
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GW-01(3-5)

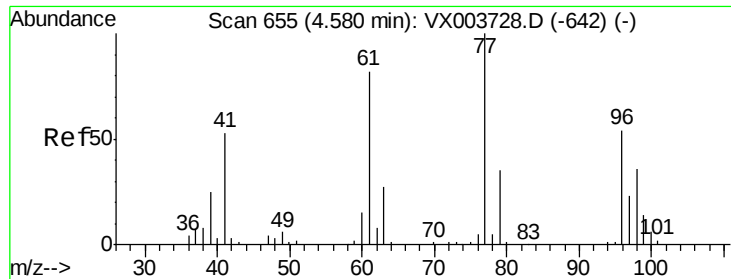
Tot Ion: 84 Resp: 3393
Ion Ratio Lower Upper
84 100
49 125.9 95.8 143.8
51 45.3 29.6 44.4#
86 68.7 50.0 75.0



#25
2-Butanone
Concen: 3.33 ug/l
RT: 4.73 min Scan# 679
Delta R.T. 0.03 min
Lab File: VX003780.D
Acq: 01 Aug 2018 05:34

Tgt Ion: 43 Resp: 2279
Ion Ratio Lower Upper
43 100
72 24.0 20.9 31.3





#26

2,2-Dichloropropane

Concen: 1.44 ug/l

RT: 4.74 min Scan# 682

Delta R.T. 0.16 min

Lab File: VX003780.D

Acq: 01 Aug 2018 05:34

Instrument :

MSVOA_X

ClientSampled :

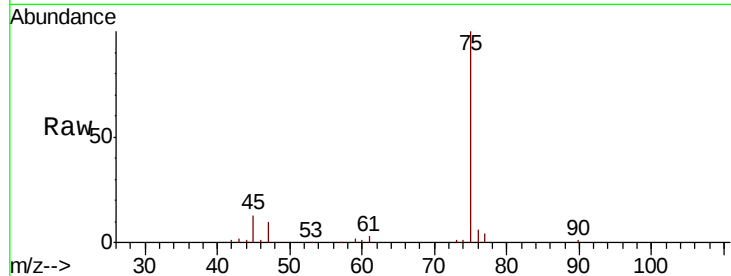
GW-01(3-5)

Tot Ion: 77 Resp: 2302

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

800

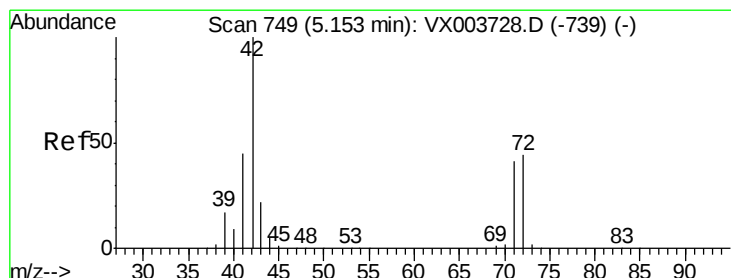
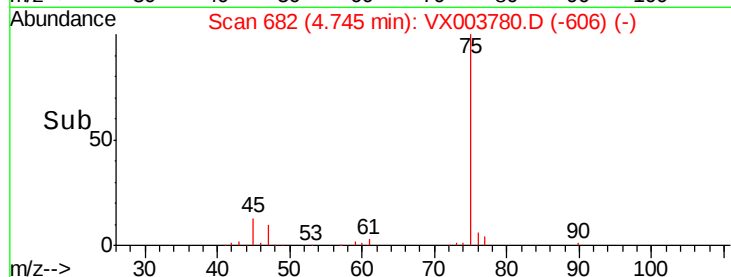
600

400

200

0

Time-->



#29

Tetrahydrofuran

Concen: 0.22 ug/l

RT: 5.16 min Scan# 750

Delta R.T. 0.01 min

Lab File: VX003780.D

Acq: 01 Aug 2018 05:34

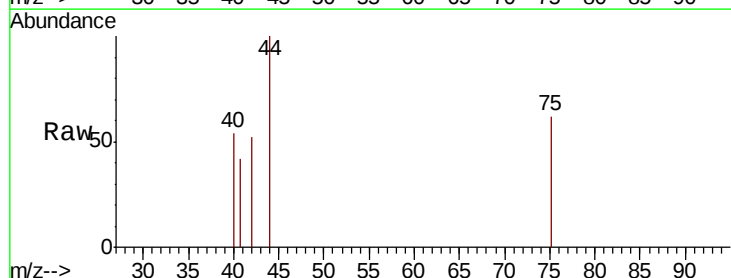
Tgt Ion: 42 Resp: 95

Ion Ratio Lower Upper

42 100

72 0.0 35.6 53.4#

71 0.0 33.4 50.0#



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0

100

80

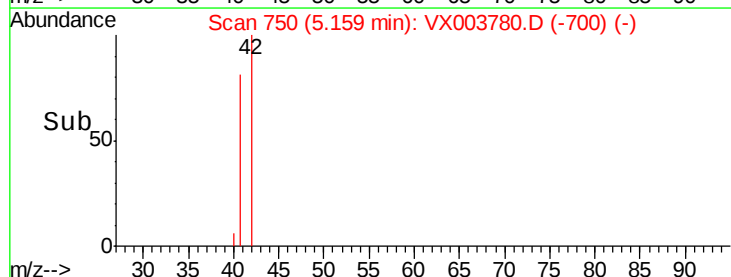
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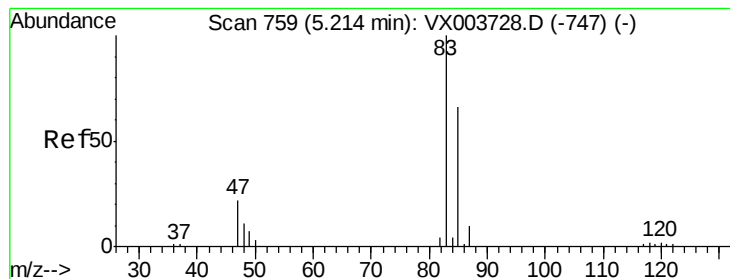
40

20

0

Time-->





#30

Chloroform

Concen: 0.25 ug/l

RT: 5.22 min Scan# 760

Delta R.T. 0.01 min

Lab File: VX003780.D

Acq: 01 Aug 2018 05:34

Instrument :

MSVOA_X

ClientSampleId :

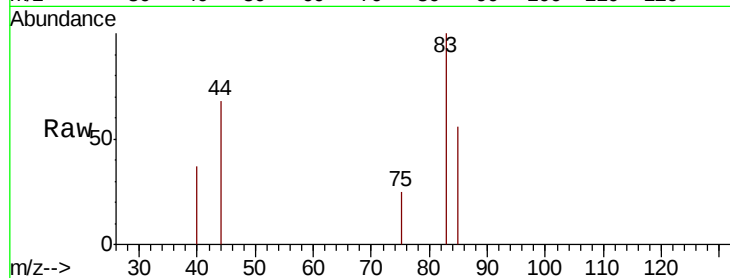
GW-01(3-5)

Tot Ion: 83 Resp: 507

Ion Ratio Lower Upper

83 100

85 56.1 52.8 79.2



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

5.22

200

150

100

50

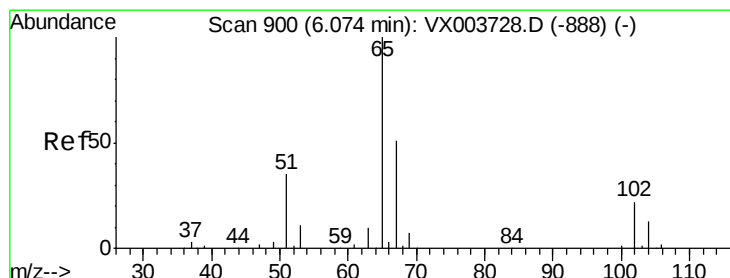
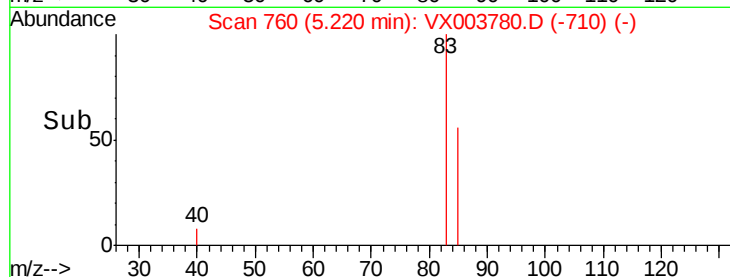
0

5.15

5.20

5.25

Time-->



#33

1,2-Dichloroethane-d4

Concen: 39.69 ug/l

RT: 6.07 min Scan# 899

Delta R.T. -0.01 min

Lab File: VX003780.D

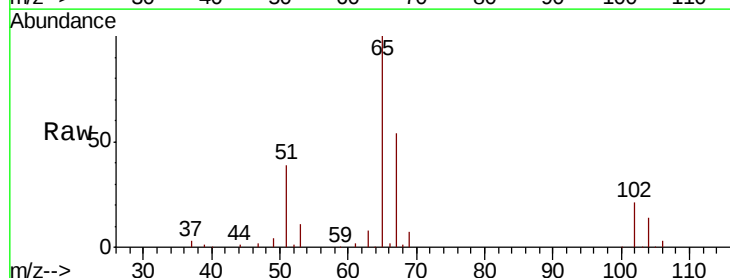
Acq: 01 Aug 2018 05:34

Tgt Ion: 65 Resp: 48821

Ion Ratio Lower Upper

65 100

67 53.7 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

20000

15000

10000

5000

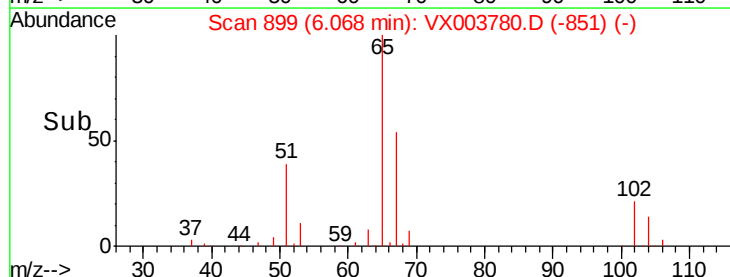
0

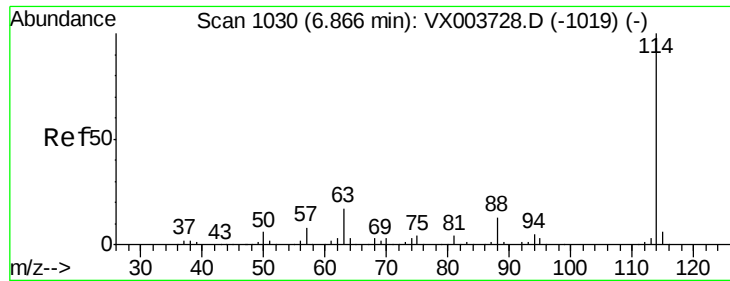
6.00

6.10

6.20

Time-->





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.86 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VX003780.D

Acq: 01 Aug 2018 05:34

Instrument :

MSVOA_X

ClientSampled :

GW-01(3-5)

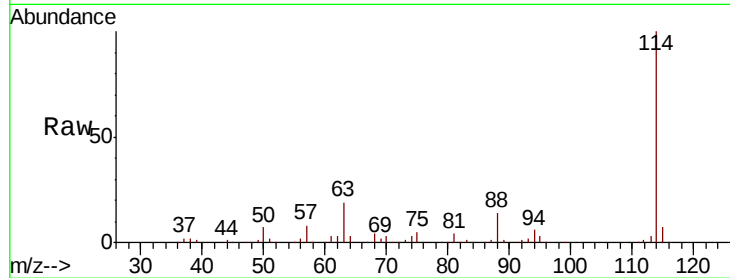
Tot Ion:114 Resp: 173759

Ion Ratio Lower Upper

114 100

63 18.6 0.0 34.0

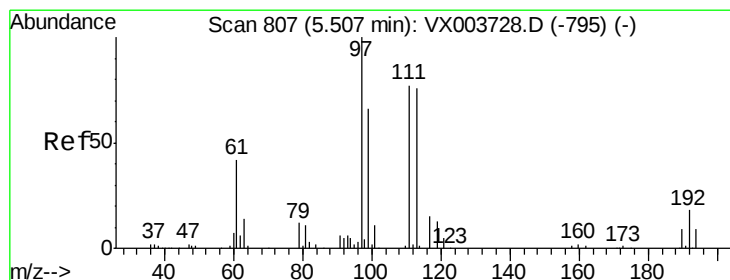
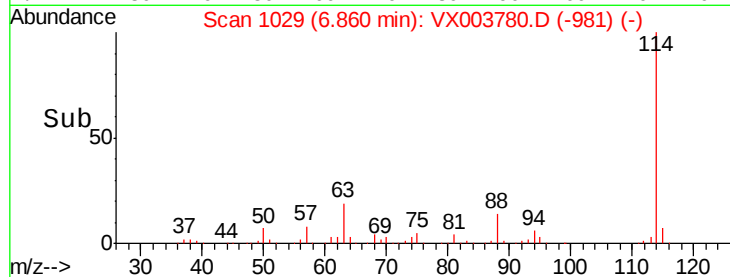
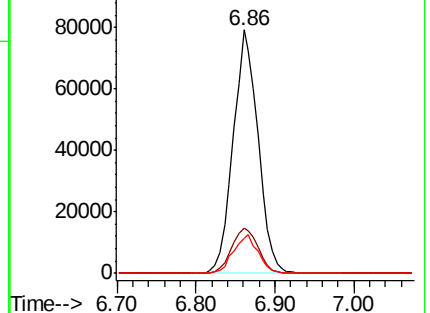
88 14.2 0.0 26.4



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: 15.52 ug/l

RT: 5.50 min Scan# 806

Delta R.T. -0.01 min

Lab File: VX003780.D

Acq: 01 Aug 2018 05:34

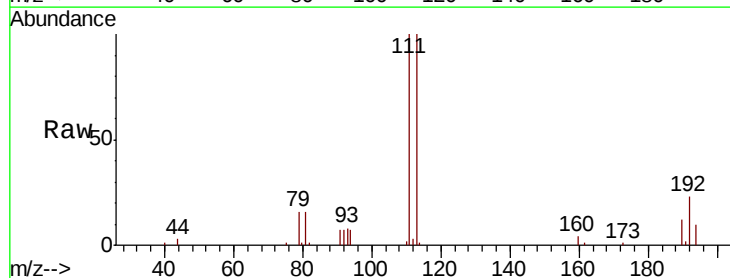
Tgt Ion:113 Resp: 15879

Ion Ratio Lower Upper

113 100

111 103.2 81.8 122.6

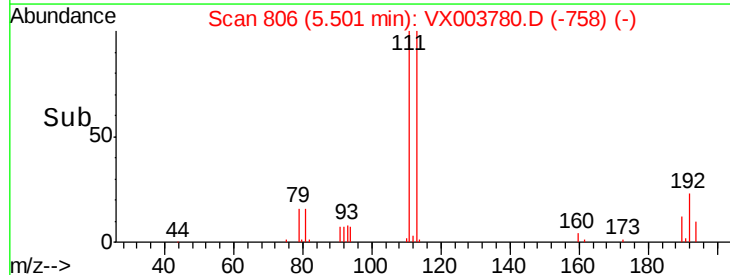
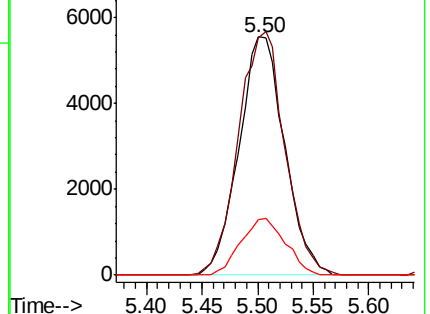
192 23.2 18.8 28.2

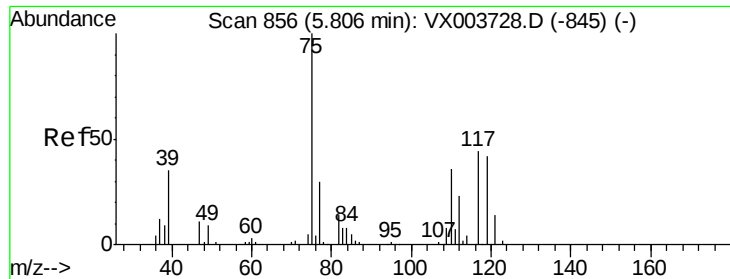


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.25 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.14 min

Lab File: VX003780.D

Acq: 01 Aug 2018 05:34

Instrument :

MSVOA_X

ClientSampled :

GW-01(3-5)

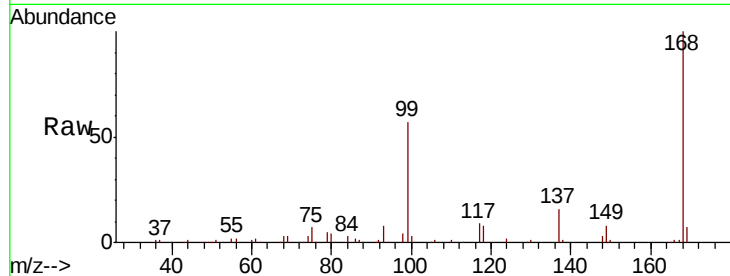
Tot Ion: 75 Resp: 8546

Ion Ratio Lower Upper

75 100

110 8.3 18.3 54.8#

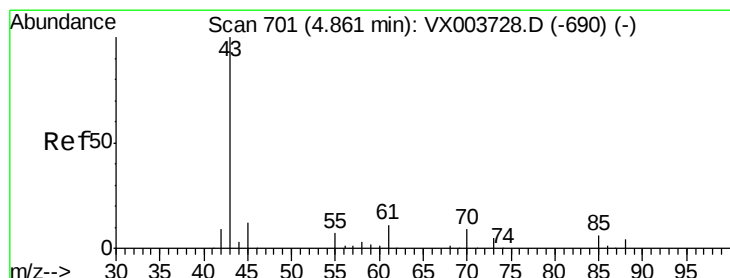
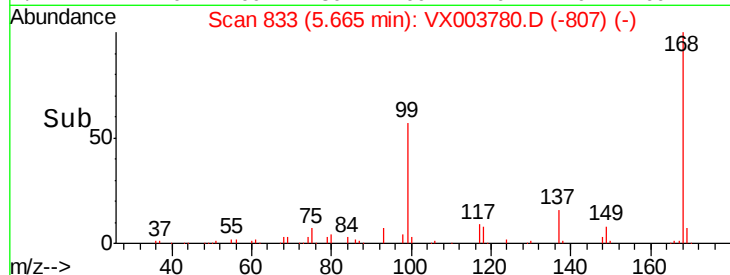
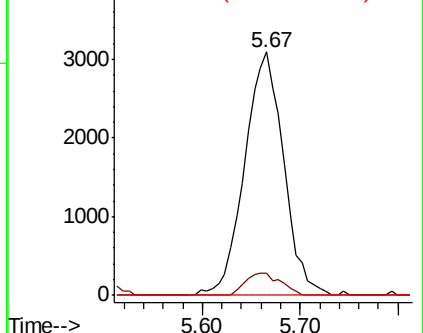
77 0.0 25.1 37.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0



#37

Ethyl Acetate

Concen: 1.82 ug/l

RT: 4.73 min Scan# 679

Delta R.T. -0.13 min

Lab File: VX003780.D

Acq: 01 Aug 2018 05:34

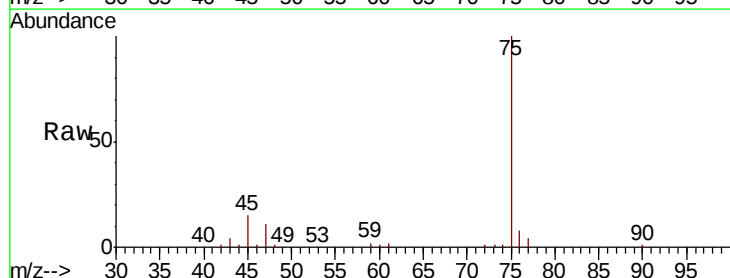
Tgt Ion: 43 Resp: 2279

Ion Ratio Lower Upper

43 100

61 64.8 11.4 17.0#

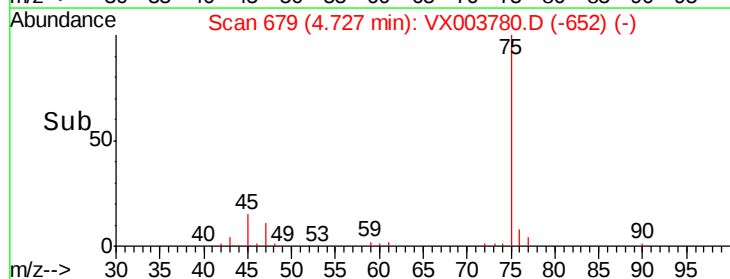
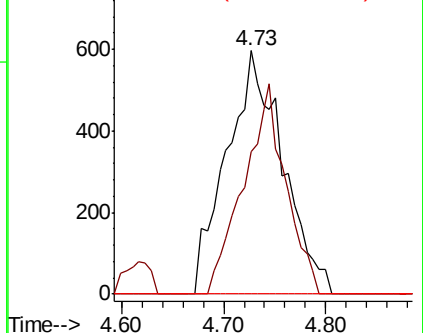
70 0.0 8.2 12.2#

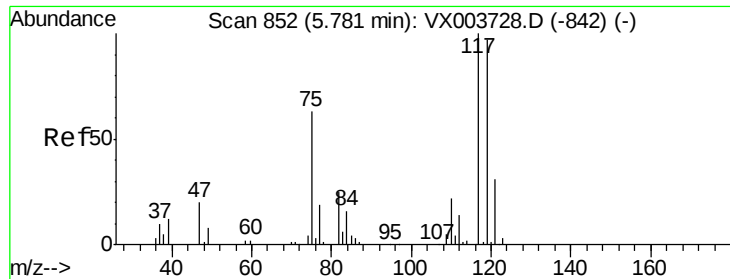


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0





#38

Carbon Tetrachloride

Concen: 7.26 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.12 min

Lab File: VX003780.D

Acq: 01 Aug 2018 05:34

Instrument :

MSVOA_X

ClientSampled :

GW-01(3-5)

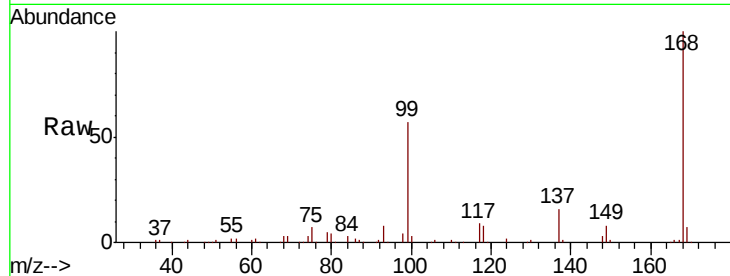
Tot Ion:117 Resp: 10925

Ion Ratio Lower Upper

117 100

119 5.1 77.2 115.8#

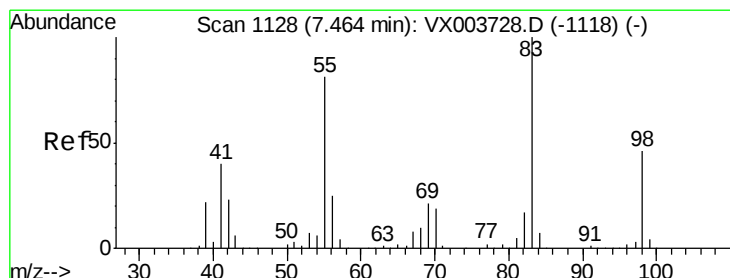
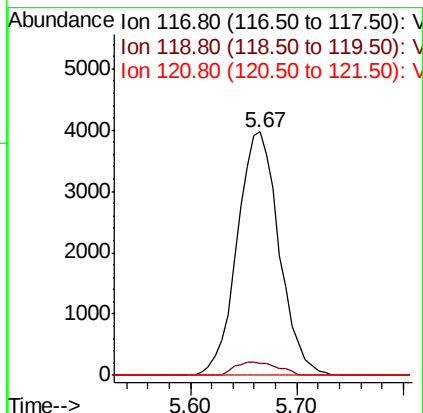
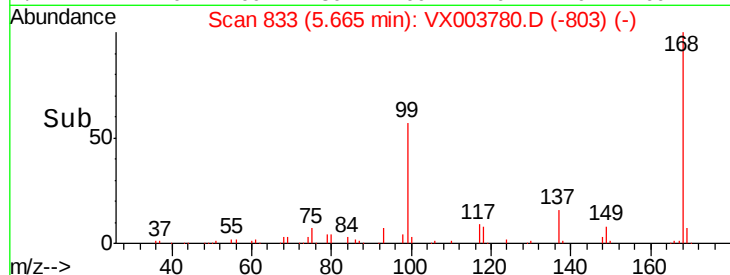
121 0.0 25.0 37.4#



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: 0.23 ug/l

RT: 7.47 min Scan# 1129

Delta R.T. 0.01 min

Lab File: VX003780.D

Acq: 01 Aug 2018 05:34

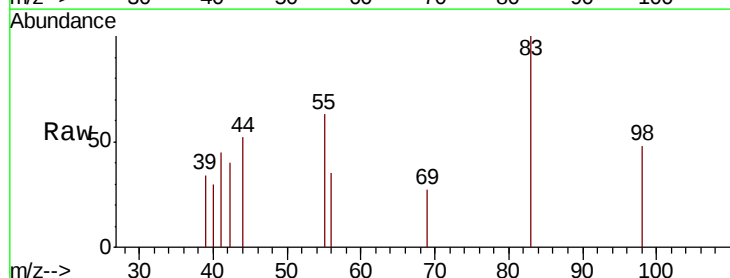
Tgt Ion: 83 Resp: 463

Ion Ratio Lower Upper

83 100

55 62.5 65.0 97.6#

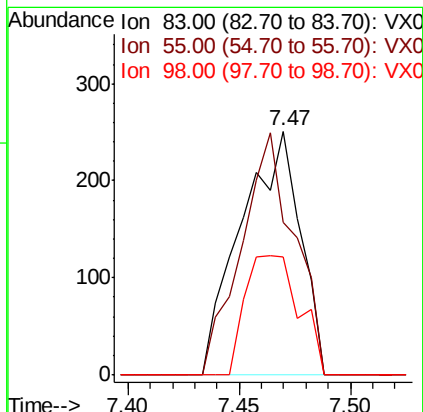
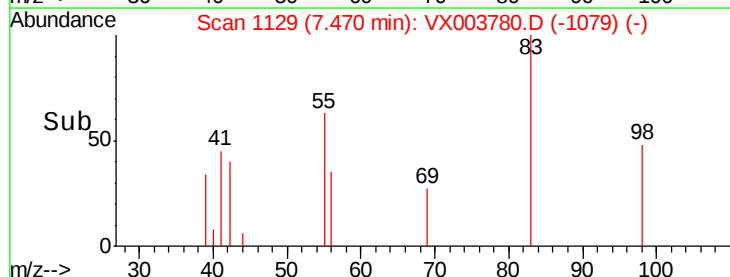
98 48.2 37.1 55.7

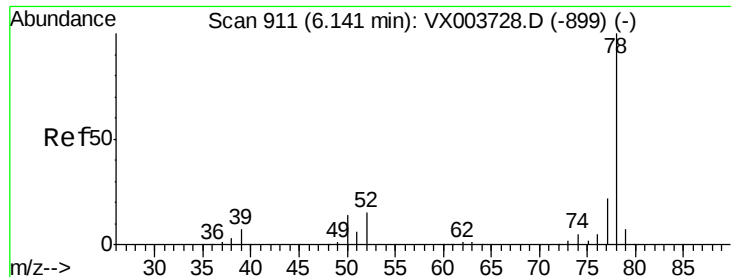


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#40

Benzene

Concen: 1.76 ug/l

RT: 6.15 min Scan# 912

Delta R.T. 0.01 min

Lab File: VX003780.D

Acq: 01 Aug 2018 05:34

Instrument :

MSVOA_X

ClientSampleId :

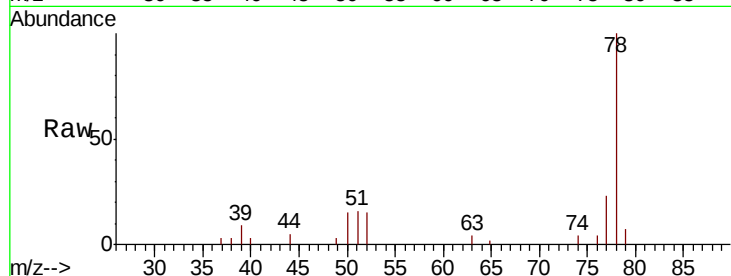
GW-01(3-5)

Tot Ion: 78 Resp: 8201

Ion Ratio Lower Upper

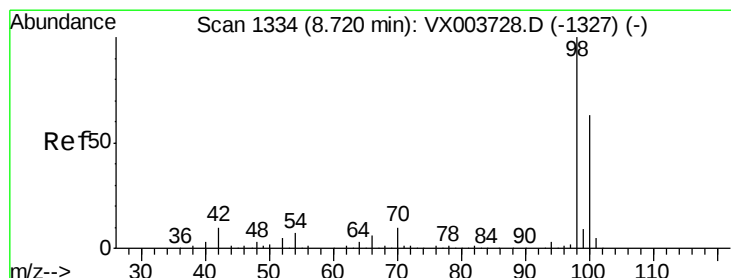
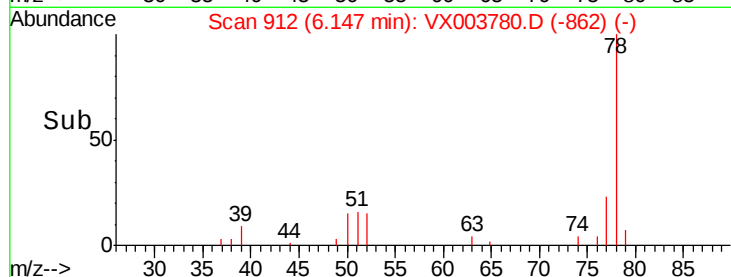
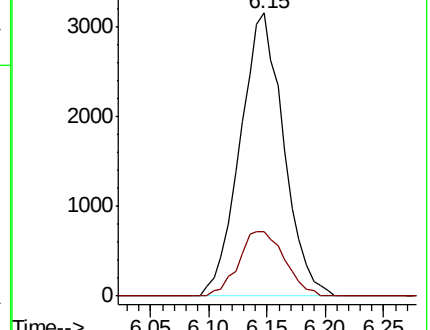
78 100

77 22.8 17.9 26.9



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



#50

Toluene-d8

Concen: 32.99 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX003780.D

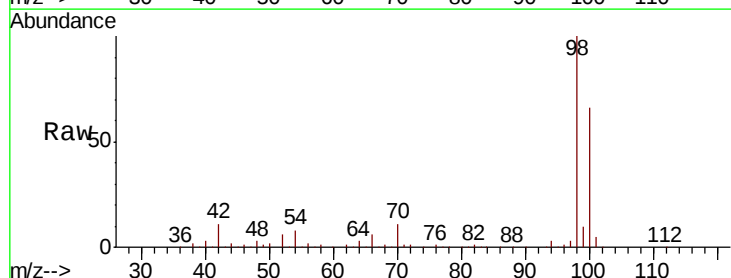
Acq: 01 Aug 2018 05:34

Tgt Ion: 98 Resp: 140726

Ion Ratio Lower Upper

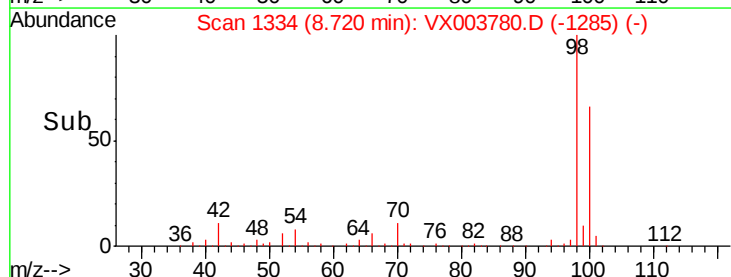
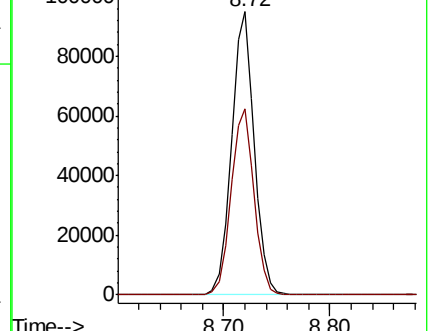
98 100

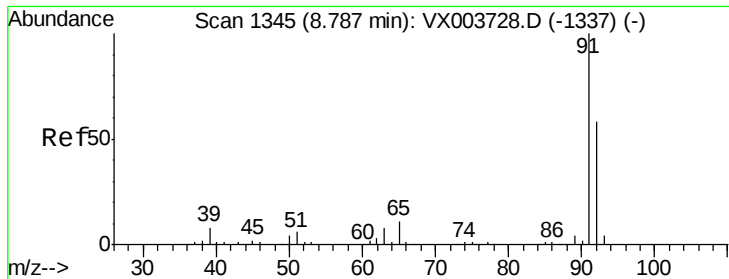
100 66.7 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#52

Toluene

Concen: 0.55 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX003780.D

Acq: 01 Aug 2018 05:34

Instrument :

MSVOA_X

ClientSampled :

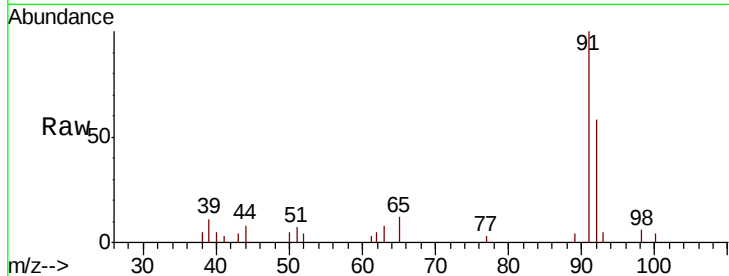
GW-01(3-5)

Tot Ion: 92 Resp: 1587

Ion Ratio Lower Upper

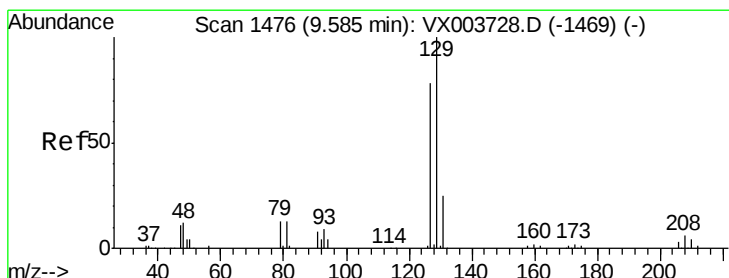
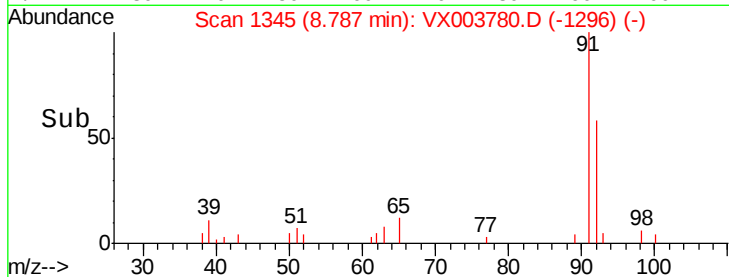
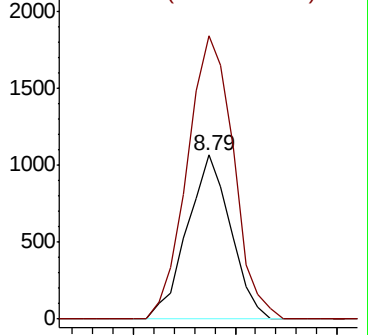
92 100

91 183.2 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#60

Dibromochloromethane

Concen: 0.37 ug/l

RT: 9.34 min Scan# 1436

Delta R.T. -0.24 min

Lab File: VX003780.D

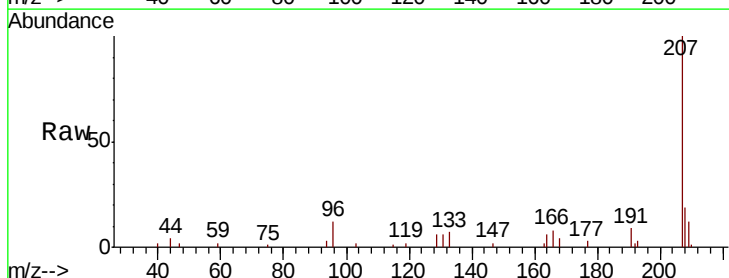
Acq: 01 Aug 2018 05:34

Tgt Ion: 129 Resp: 371

Ion Ratio Lower Upper

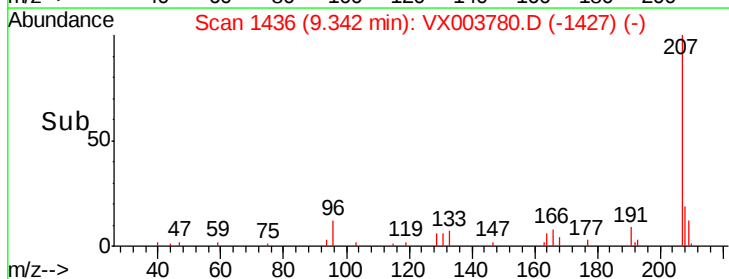
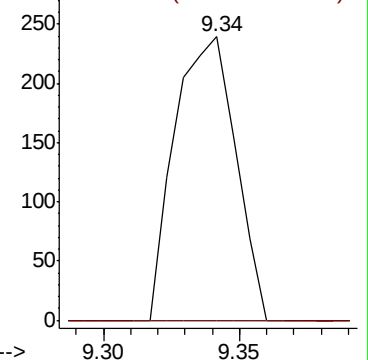
129 100

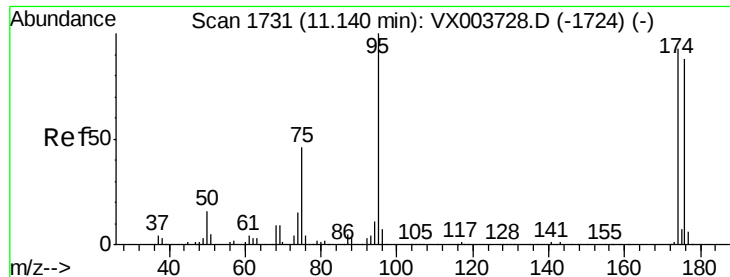
127 0.0 38.8 116.4#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V





#62

4-Bromofluorobenzene

Concen: 21.53 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003780.D

Acq: 01 Aug 2018 05:34

Instrument :

MSVOA_X

ClientSampleId :

GW-01(3-5)

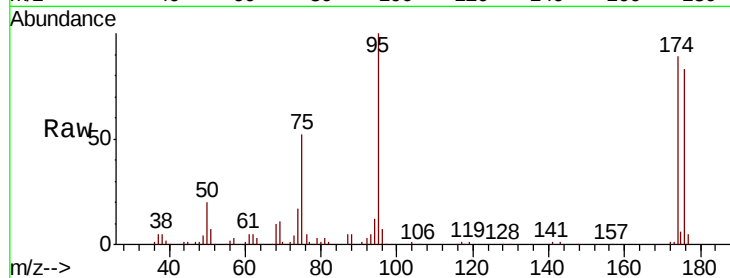
Tot Ion: 95 Resp: 33863

Ion Ratio Lower Upper

95 100

174 89.1 0.0 186.2

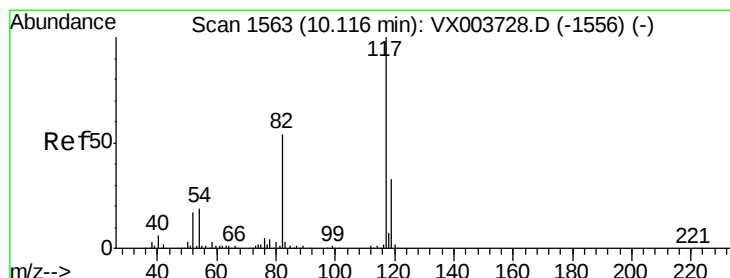
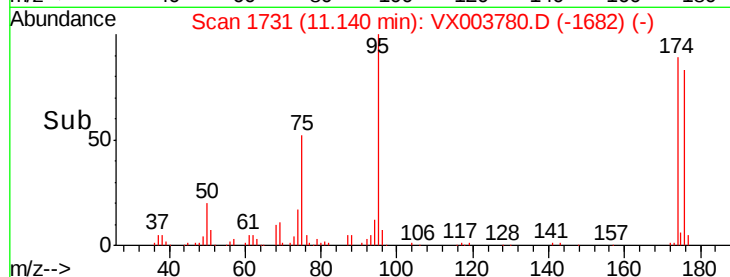
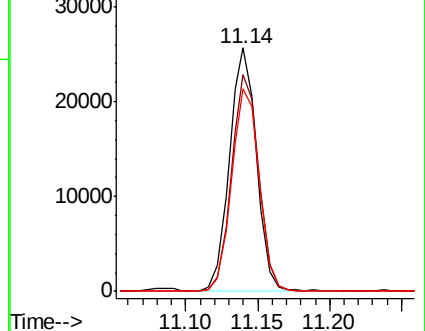
176 84.7 0.0 179.2



Abundance Ion 94.90 (94.60 to 95.60): VX003780.D (-1682) (-)

Ion 173.80 (173.50 to 174.50): VX003780.D (-1682) (-)

Ion 175.80 (175.50 to 176.50): VX003780.D (-1682) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VX003780.D

Acq: 01 Aug 2018 05:34

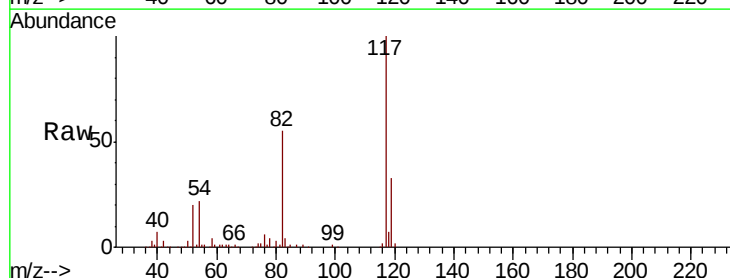
Tgt Ion: 117 Resp: 107782

Ion Ratio Lower Upper

117 100

82 55.1 43.2 64.8

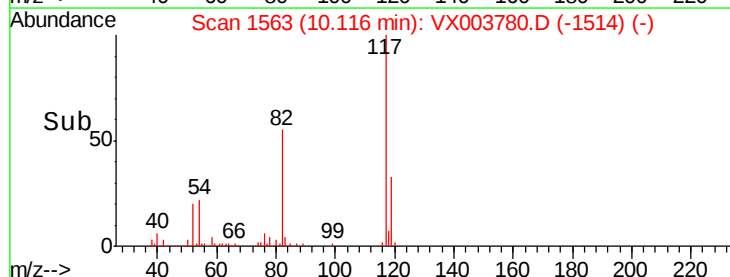
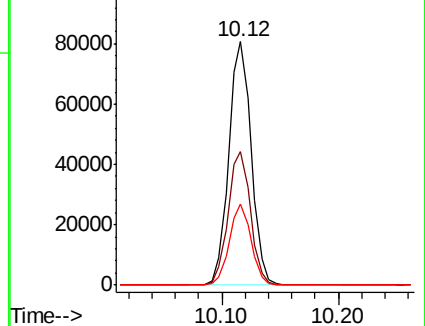
119 33.1 26.3 39.5

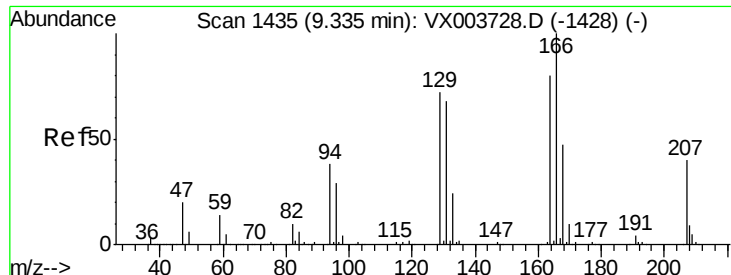


Abundance Ion 116.90 (116.60 to 117.60): VX003780.D (-1514) (-)

Ion 82.00 (81.70 to 82.70): VX003780.D (-1514) (-)

Ion 118.90 (118.60 to 119.60): VX003780.D (-1514) (-)





#64

Tetrachloroethene

Concen: 0.55 ug/l

RT: 9.34 min Scan# 1435

Delta R.T. 0.00 min

Lab File: VX003780.D

Acq: 01 Aug 2018 05:34

Instrument :

MSVOA_X

ClientSampleId :

GW-01(3-5)

Tot Ion:164 Resp: 462

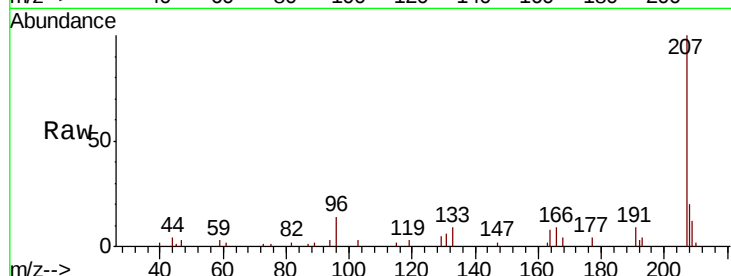
Ion Ratio Lower Upper

164 100

166 112.7 100.4 150.6

129 66.0 71.8 107.8#

131 71.3 68.3 102.5

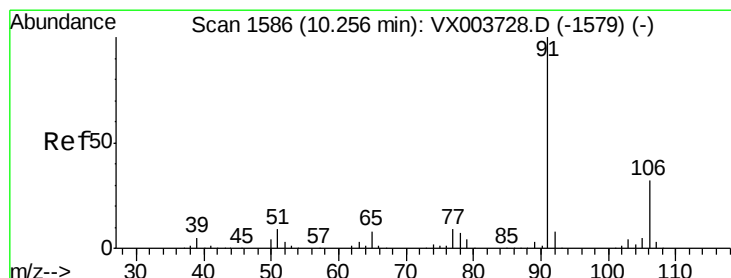
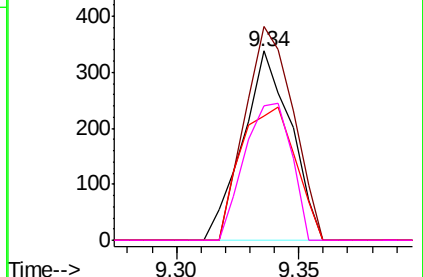
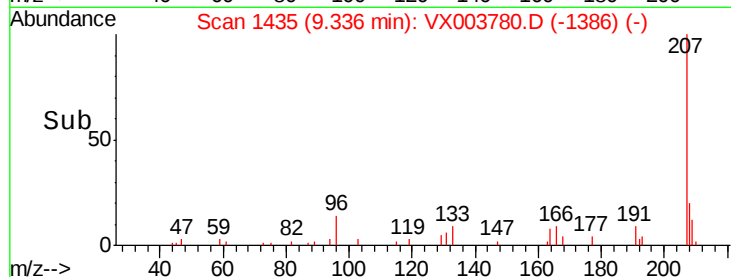


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#67

Ethyl Benzene

Concen: 1.15 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VX003780.D

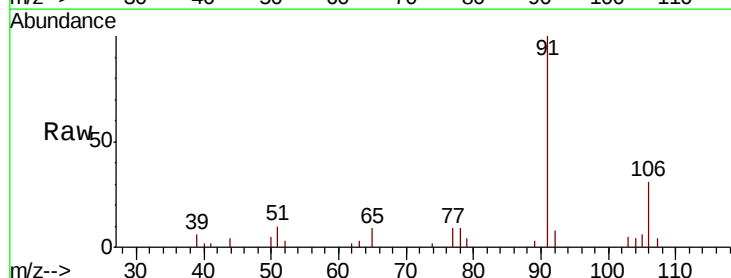
Acq: 01 Aug 2018 05:34

Tgt Ion: 91 Resp: 4378

Ion Ratio Lower Upper

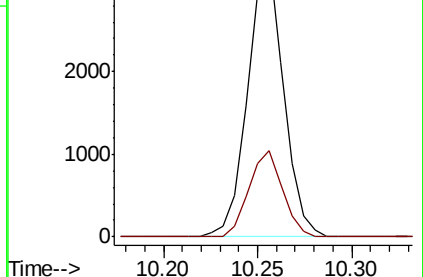
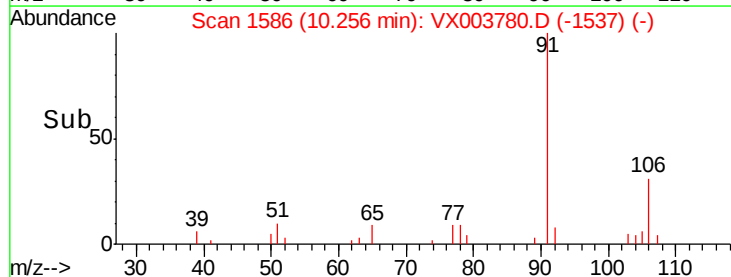
91 100

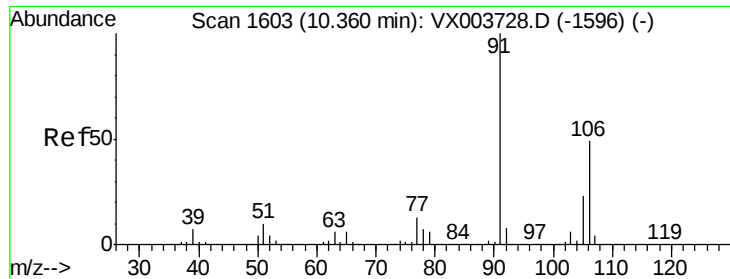
106 30.6 25.4 38.2



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V

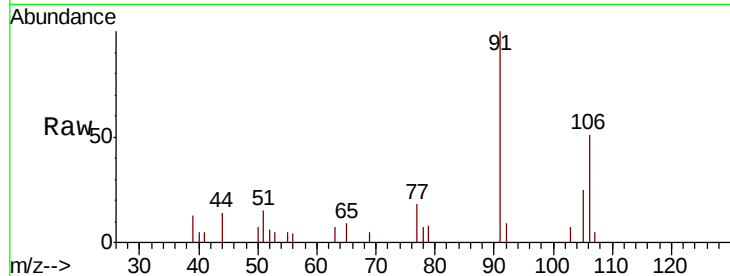




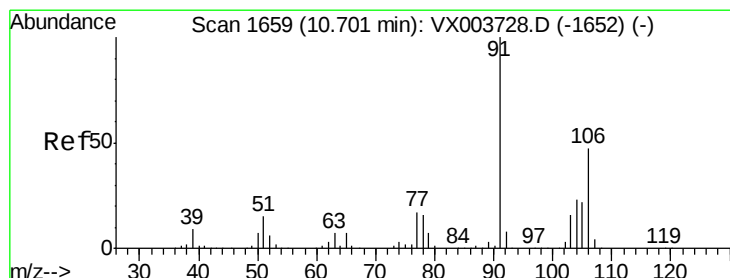
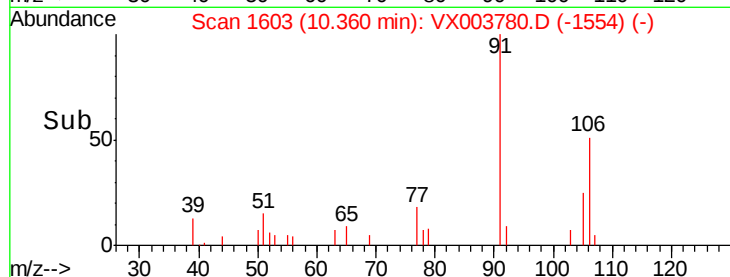
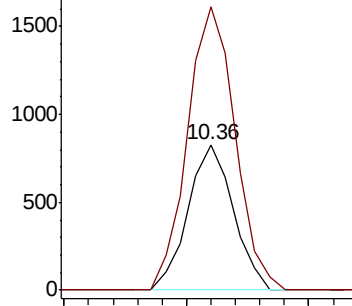
#68
m/p-Xylenes
Concen: 0.72 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VX003780.D
Acq: 01 Aug 2018 05:34

Instrument :
MSVOA_X
ClientSampled :
GW-01(3-5)

Tot Ion:106 Resp: 1069
Ion Ratio Lower Upper
106 100
91 204.0 159.8 239.8

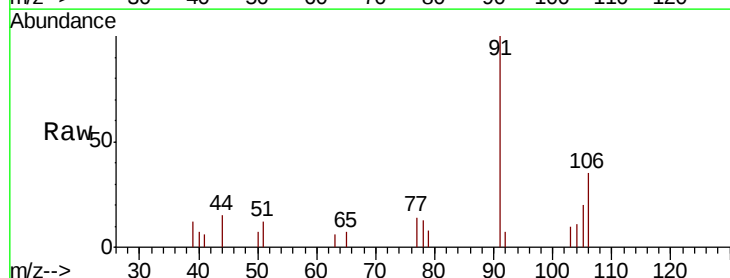


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

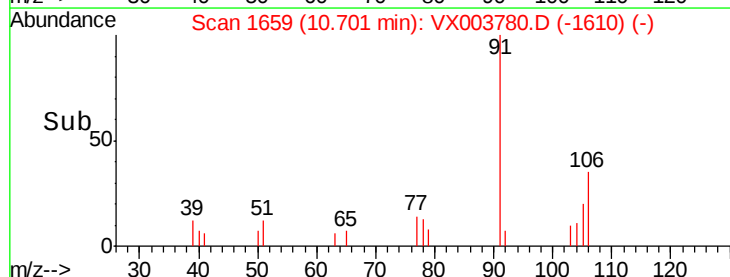
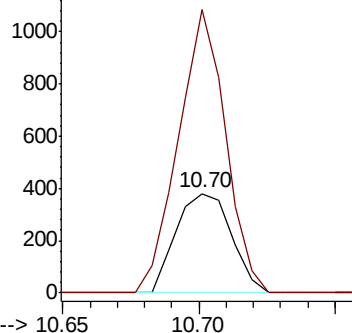


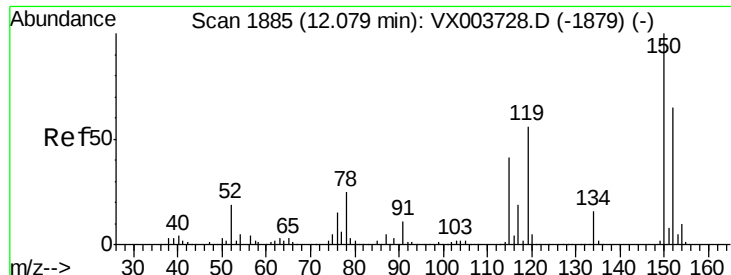
#69
o-Xylene
Concen: 0.39 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX003780.D
Acq: 01 Aug 2018 05:34

Tgt Ion:106 Resp: 535
Ion Ratio Lower Upper
106 100
91 243.0 105.6 316.8



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: 12.08 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VX003780.D

Acq: 01 Aug 2018 05:34

Instrument :

MSVOA_X

ClientSampleId :

GW-01(3-5)

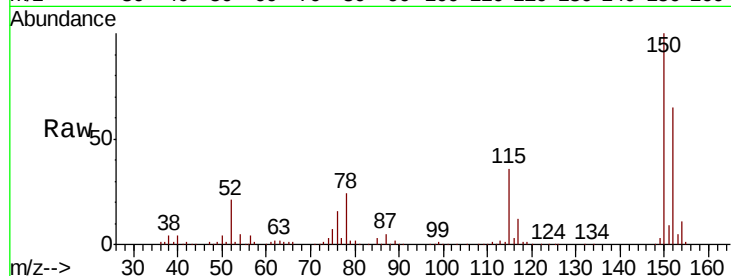
Tot Ion:152 Resp: 35833

Ion Ratio Lower Upper

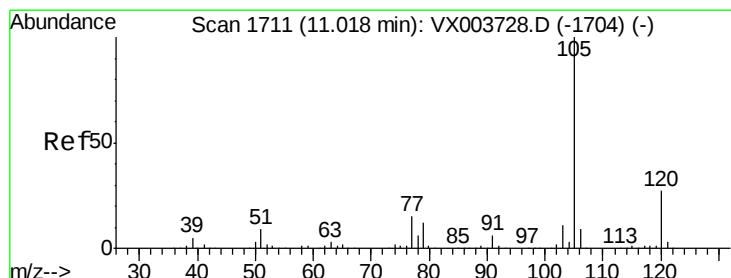
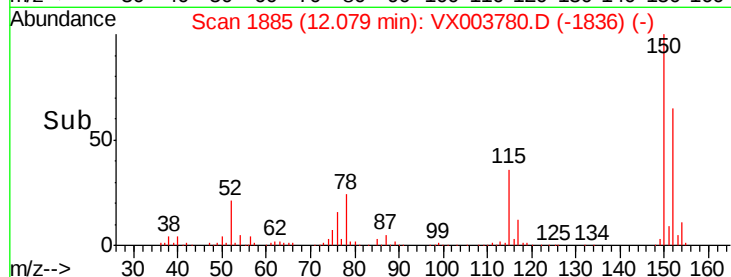
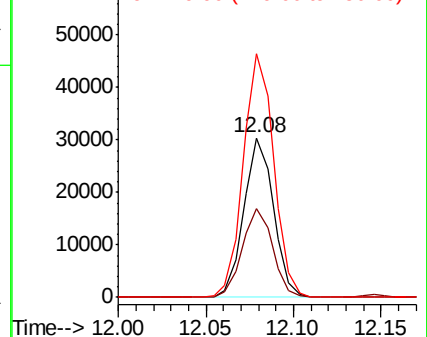
152 100

115 57.0 38.5 115.3

150 156.4 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: 0.98 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. 0.00 min

Lab File: VX003780.D

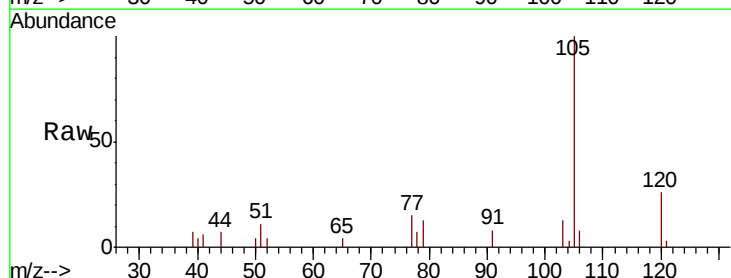
Acq: 01 Aug 2018 05:34

Tgt Ion:105 Resp: 2208

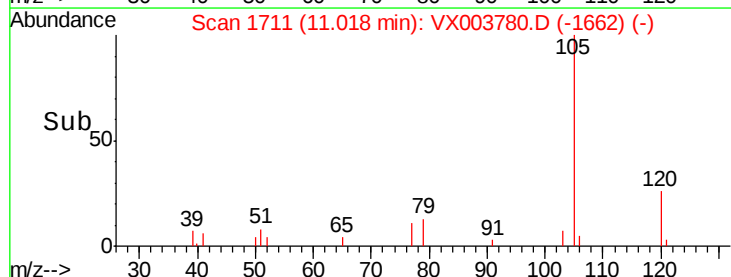
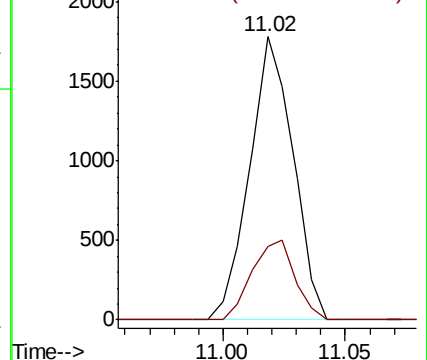
Ion Ratio Lower Upper

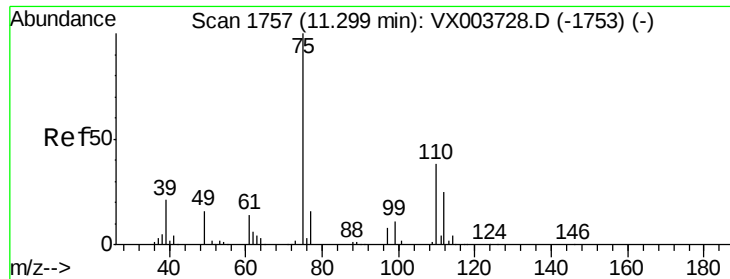
105 100

120 27.9 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: 34.11 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX003780.D

Acq: 01 Aug 2018 05:34

Instrument :

MSVOA_X

ClientSampled :

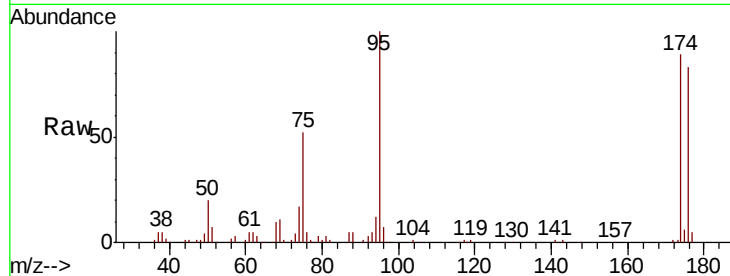
GW-01(3-5)

Tot Ion: 75 Resp: 16847

Ion Ratio Lower Upper

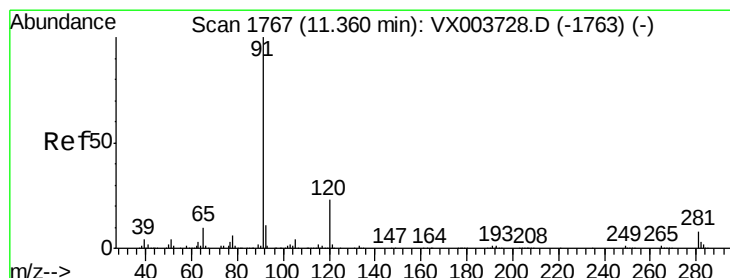
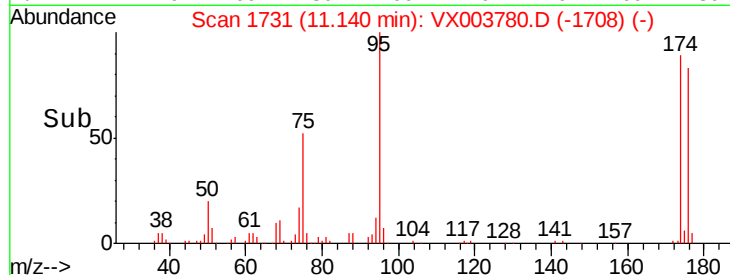
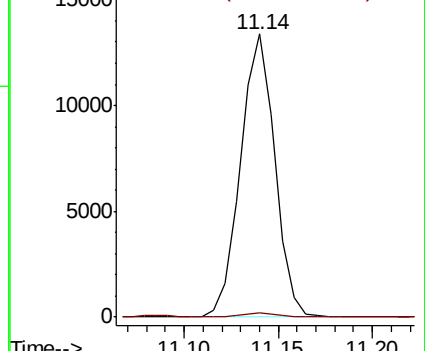
75 100

77 1.3 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: 0.28 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. 0.00 min

Lab File: VX003780.D

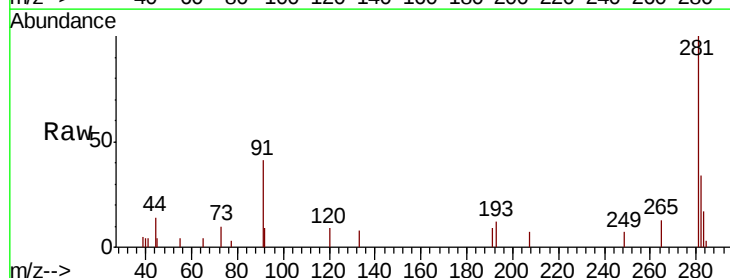
Acq: 01 Aug 2018 05:34

Tgt Ion: 91 Resp: 760

Ion Ratio Lower Upper

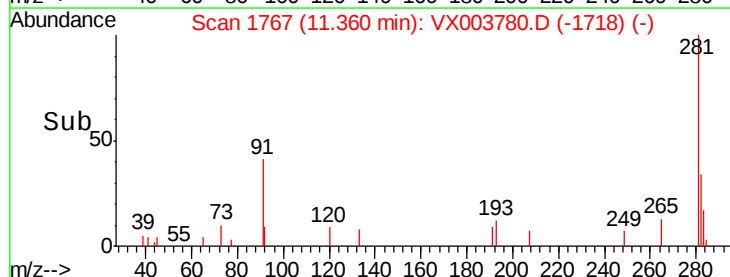
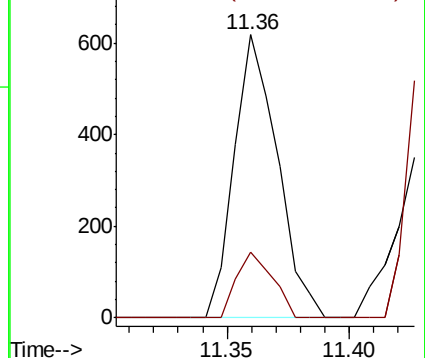
91 100

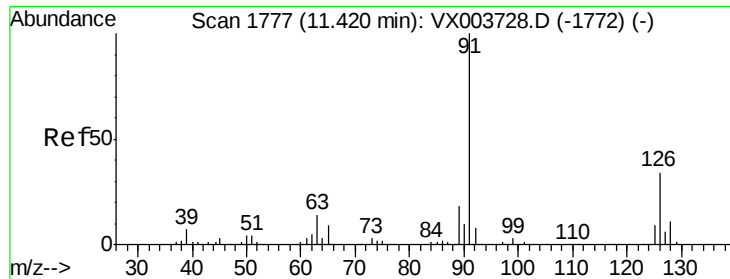
120 19.2 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 0.79 ug/l

RT: 11.43 min Scan# 1779

Delta R.T. 0.01 min

Lab File: VX003780.D

Acq: 01 Aug 2018 05:34

Instrument :

MSVOA_X

ClientSampled :

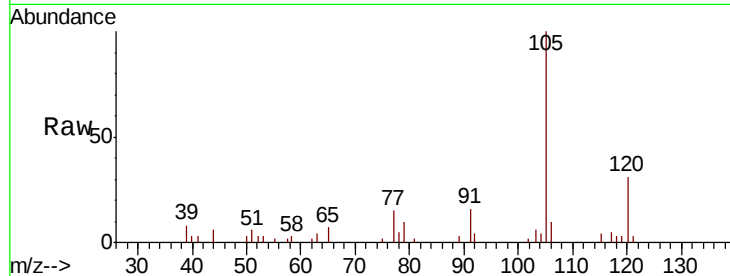
GW-01(3-5)

Tot Ion: 91 Resp: 1214

Ion Ratio Lower Upper

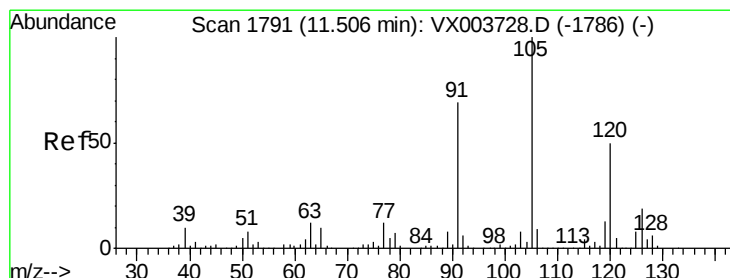
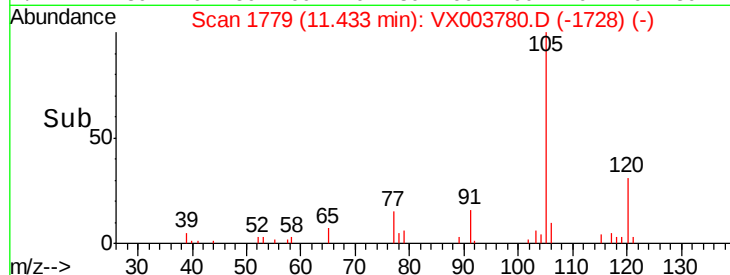
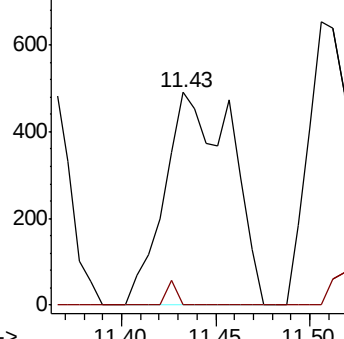
91 100

126 1.7 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: 2.09 ug/l

RT: 11.44 min Scan# 1780

Delta R.T. -0.07 min

Lab File: VX003780.D

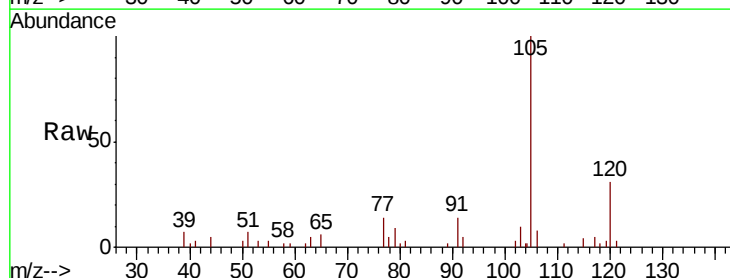
Acq: 01 Aug 2018 05:34

Tgt Ion:105 Resp: 4005

Ion Ratio Lower Upper

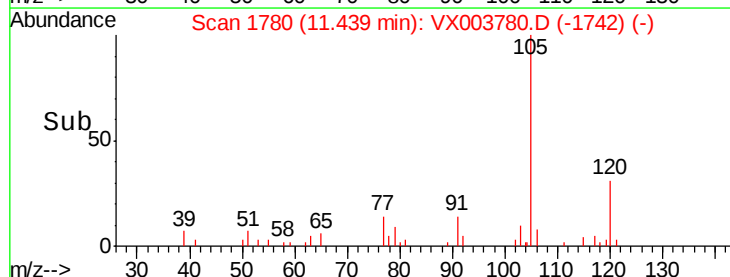
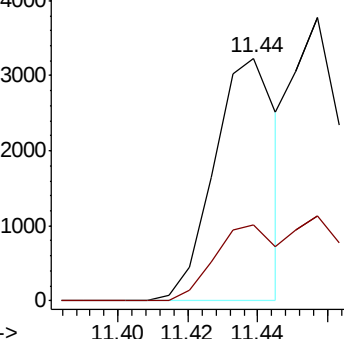
105 100

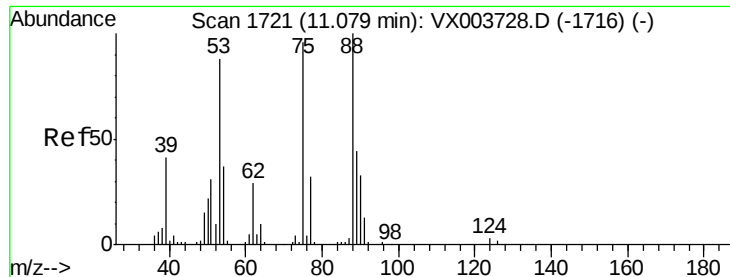
120 30.5 15.8 47.4



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: 101.03 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX003780.D

Acq: 01 Aug 2018 05:34

Instrument :

MSVOA_X

ClientSampleId :

GW-01(3-5)

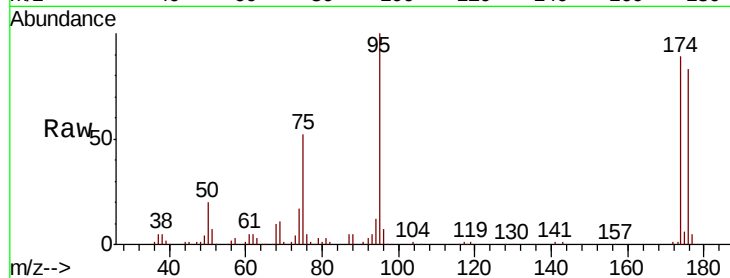
Tot Ion: 75 Resp: 16847

Ion Ratio Lower Upper

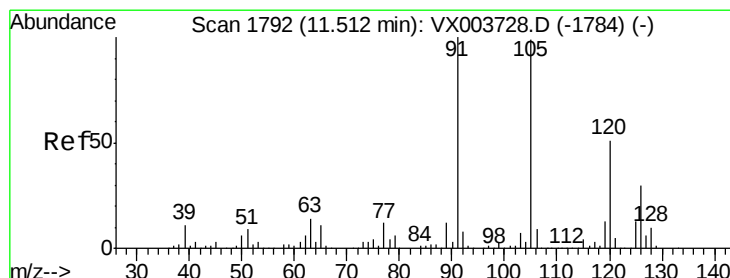
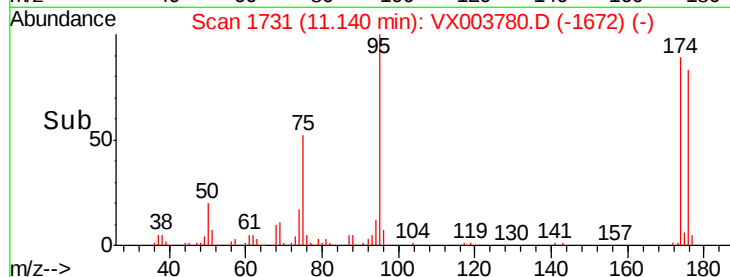
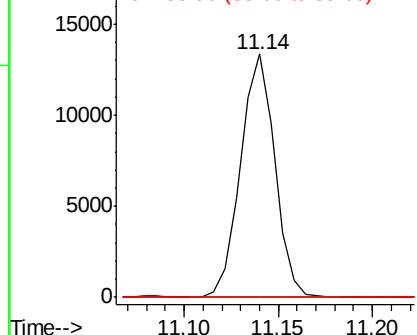
75 100

53 0.0 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: 0.54 ug/l

RT: 11.51 min Scan# 1791

Delta R.T. -0.01 min

Lab File: VX003780.D

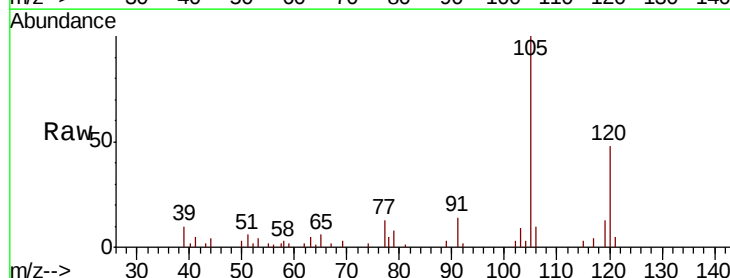
Acq: 01 Aug 2018 05:34

Tgt Ion: 91 Resp: 1006

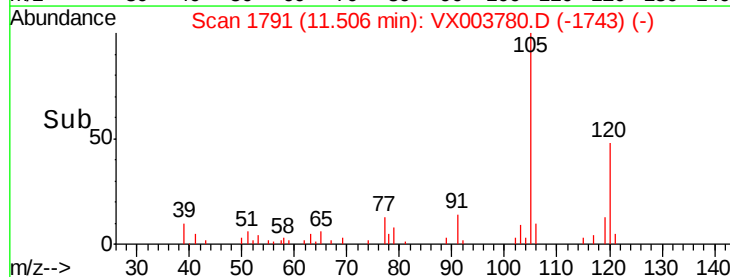
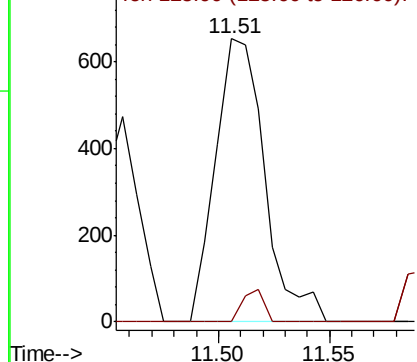
Ion Ratio Lower Upper

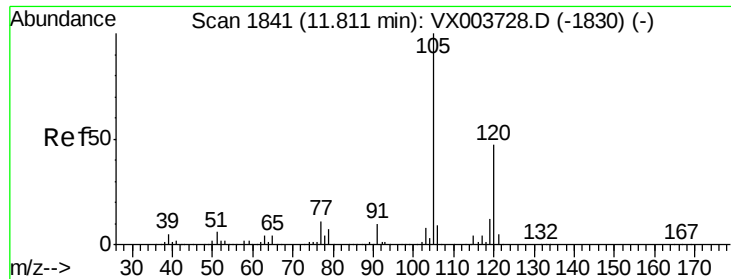
91 100

126 4.9 15.6 46.7#



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 125.90 (125.60 to 126.60): V

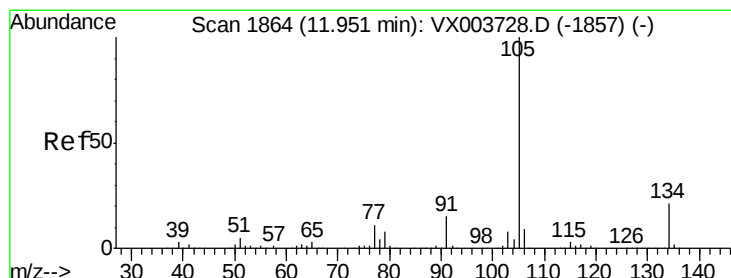
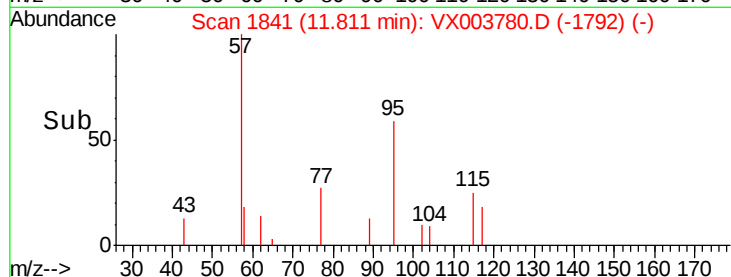
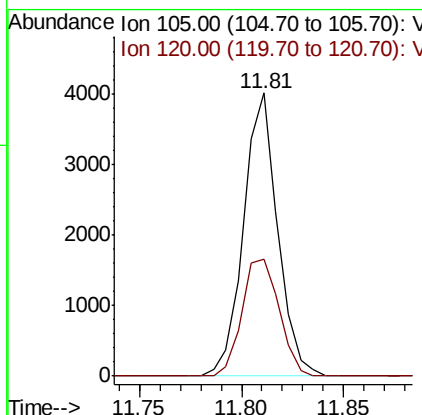
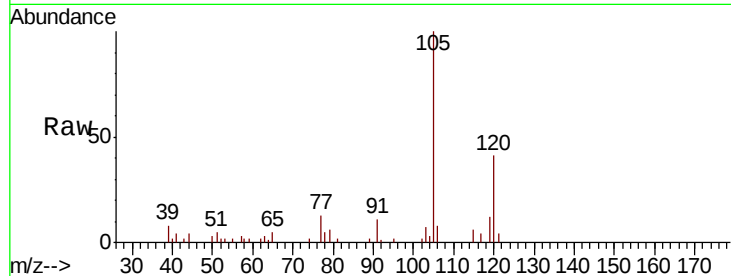




#84
 1,2,4-Trimethylbenzene
 Concen: 2.36 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX003780.D
 Acq: 01 Aug 2018 05:34

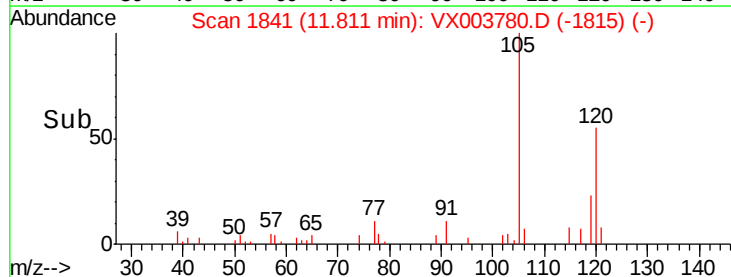
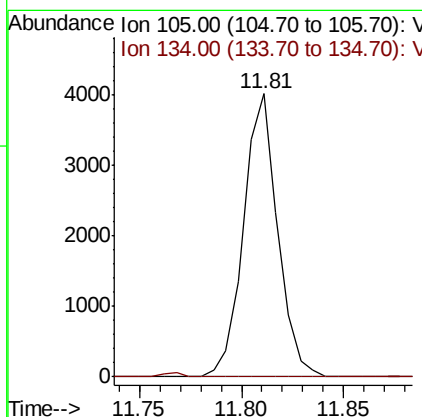
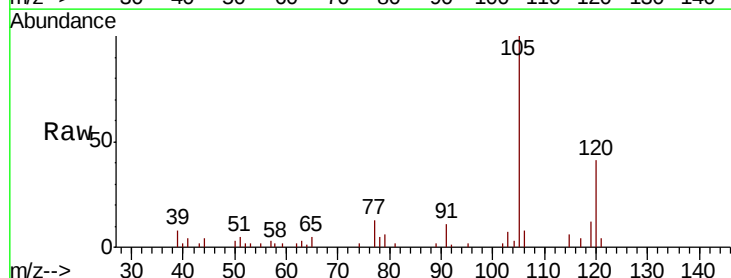
Instrument :
 MSVOA_X
 ClientSampleId :
 GW-01(3-5)

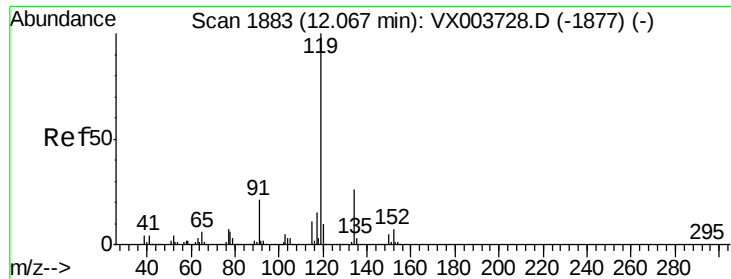
Tot Ion:105 Resp: 4658
 Ion Ratio Lower Upper
 105 100
 120 45.2 23.1 69.2



#85
 sec-Butylbenzene
 Concen: 1.92 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.14 min
 Lab File: VX003780.D
 Acq: 01 Aug 2018 05:34

Tgt Ion:105 Resp: 4658
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.3 30.8#

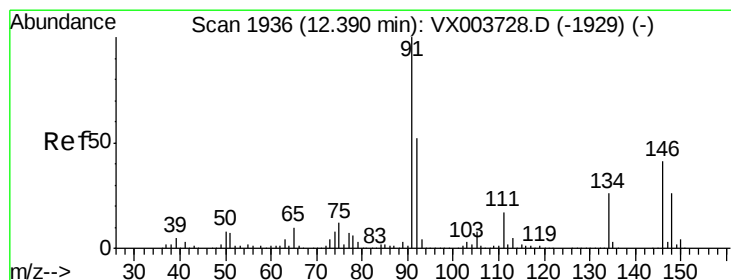
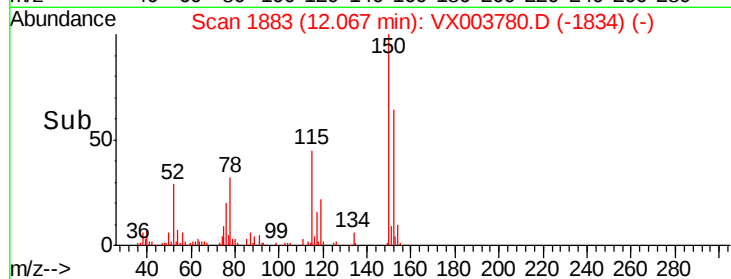
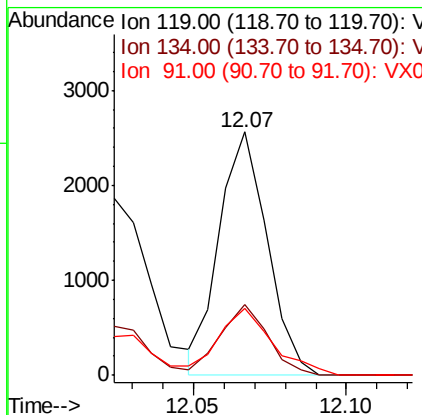
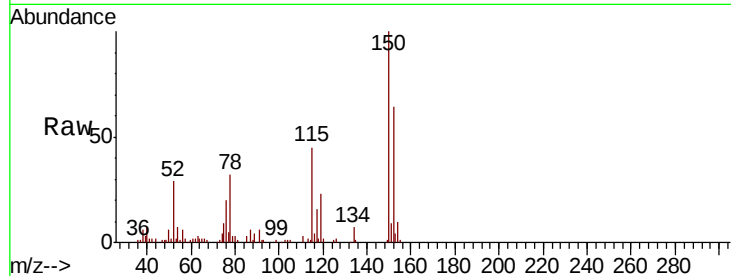




#86
 p-Isopropyltoluene
 Concen: 1.26 ug/l
 RT: 12.07 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VX003780.D
 Acq: 01 Aug 2018 05:34

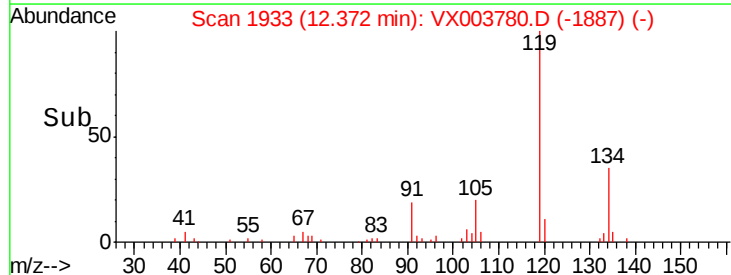
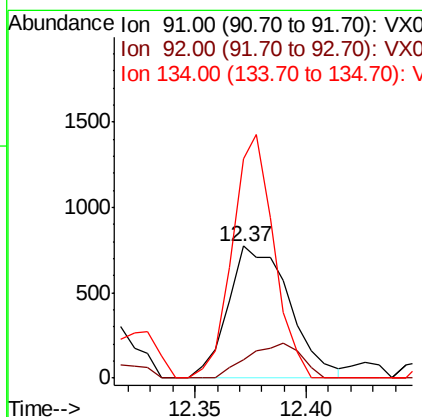
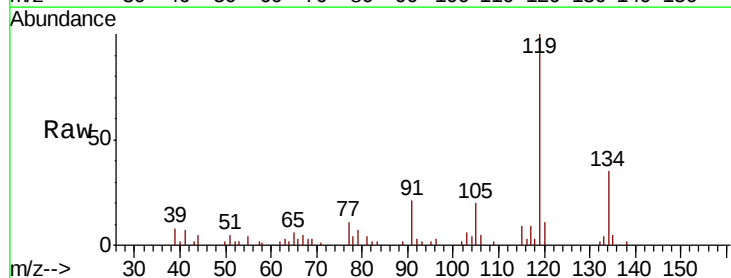
Instrument :
 MSVOA_X
 ClientSampleID :
 GW-01(3-5)

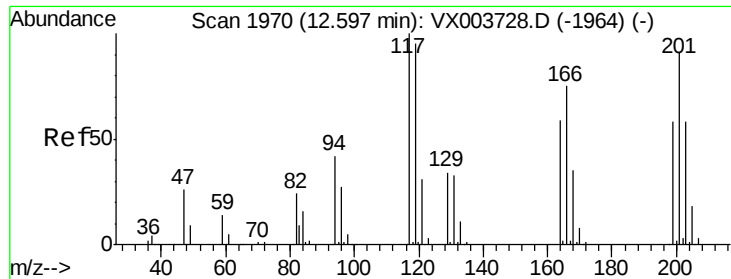
Tot Ion:119 Resp: 2783
 Ion Ratio Lower Upper
 119 100
 134 28.9 10.1 30.1
 91 30.5 23.6 70.8



#89
 n-Butylbenzene
 Concen: 0.71 ug/l
 RT: 12.37 min Scan# 1933
 Delta R.T. -0.02 min
 Lab File: VX003780.D
 Acq: 01 Aug 2018 05:34

Tgt Ion: 91 Resp: 1487
 Ion Ratio Lower Upper
 91 100
 92 23.0 26.2 78.5#
 134 124.3 13.6 40.7#





#90

Hexachloroethane

Concen: 3.20 ug/l

RT: 12.61 min Scan# 1972

Delta R.T. 0.01 min

Lab File: VX003780.D

Acq: 01 Aug 2018 05:34

Instrument :

MSVOA_X

ClientSampleId :

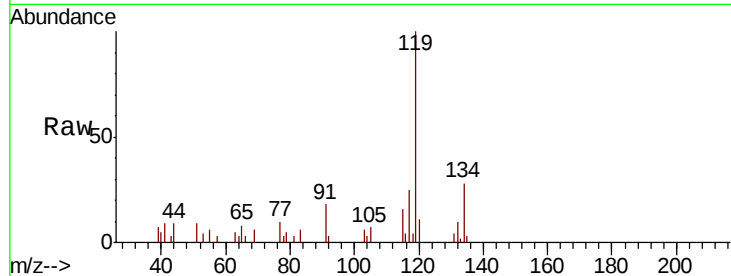
GW-01(3-5)

Tot Ion:117 Resp: 1045

Ion Ratio Lower Upper

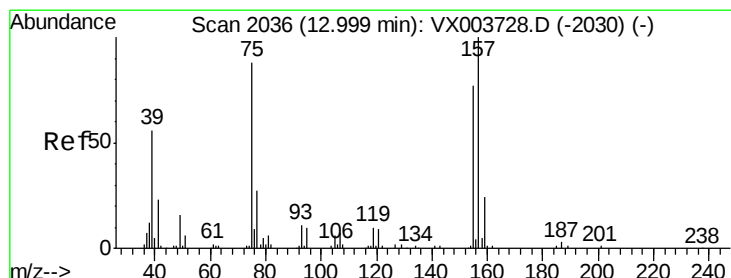
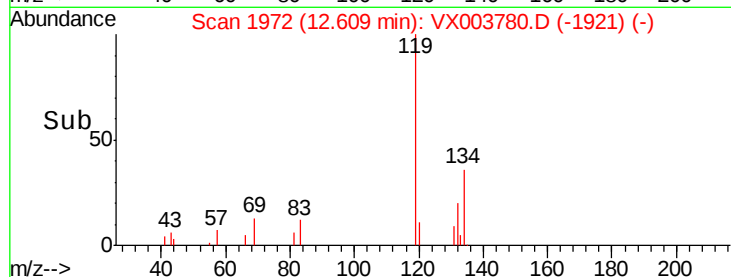
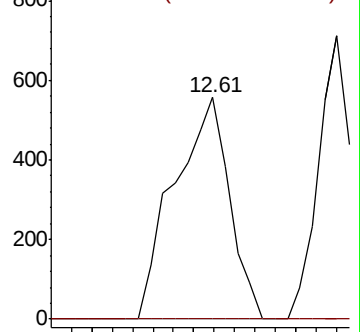
117 100

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: 0.87 ug/l

RT: 13.02 min Scan# 2039

Delta R.T. 0.02 min

Lab File: VX003780.D

Acq: 01 Aug 2018 05:34

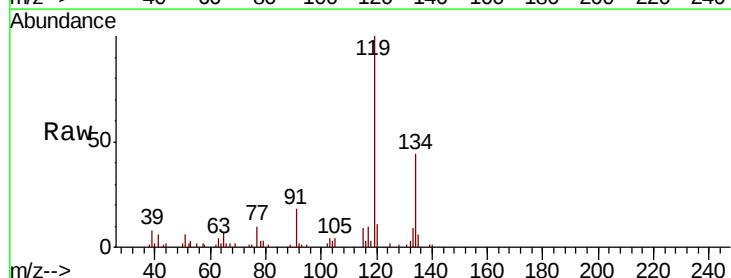
Tgt Ion: 75 Resp: 101

Ion Ratio Lower Upper

75 100

155 0.0 48.9 146.7#

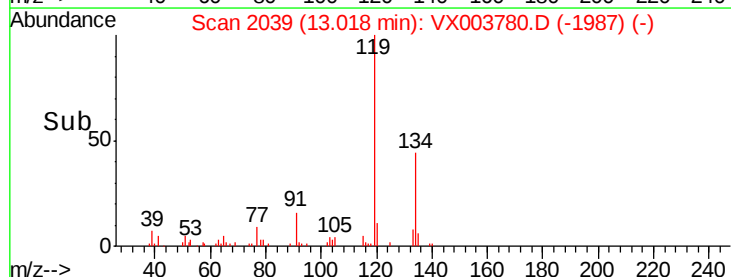
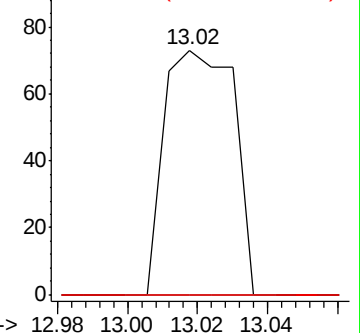
157 0.0 63.7 191.1#

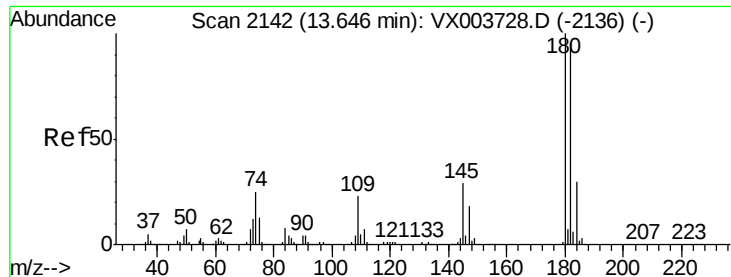


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

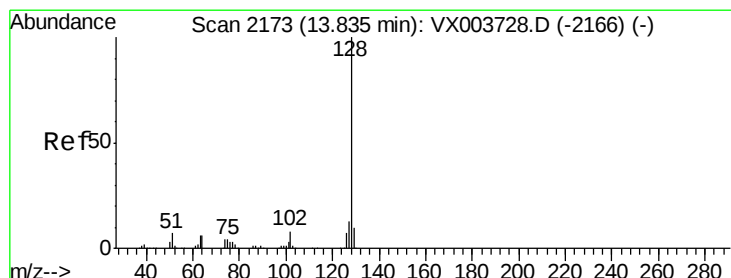
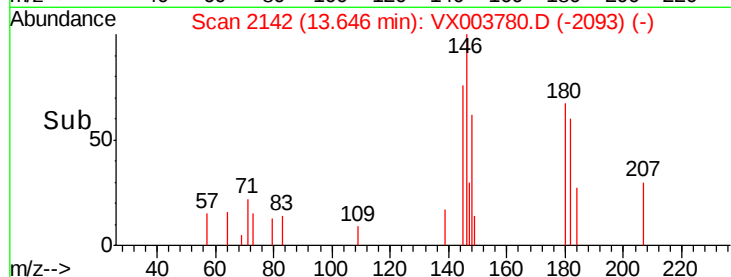
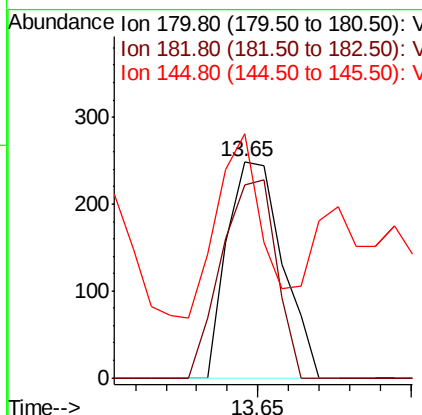
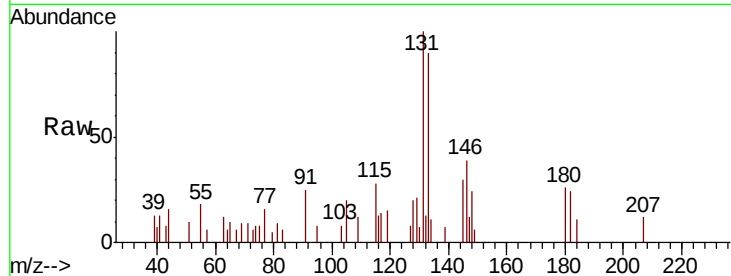




#93
 1,2,4-Trichlorobenzene
 Concen: 0.36 ug/l
 RT: 13.65 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VX003780.D
 Acq: 01 Aug 2018 05:34

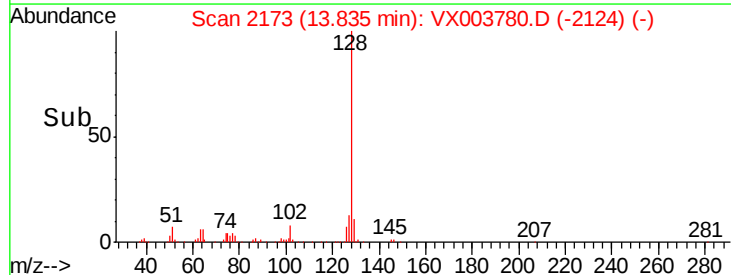
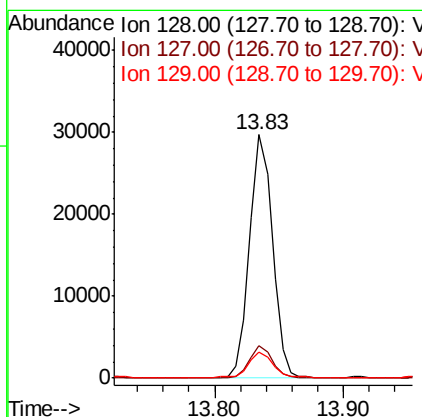
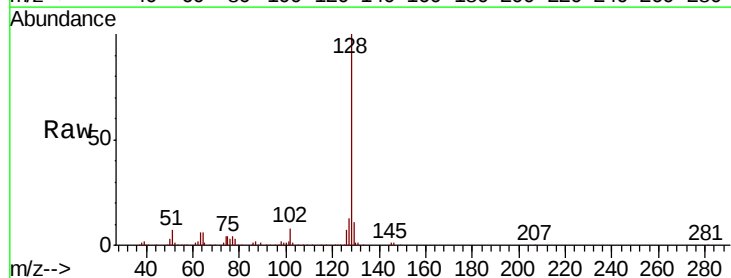
Instrument :
 MSVOA_X
 ClientSampled :
 GW-01(3-5)

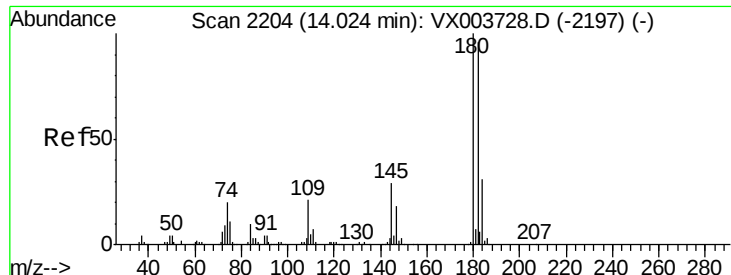
Tot Ion:180 Resp: 311
 Ion Ratio Lower Upper
 180 100
 182 90.7 47.6 142.9
 145 67.8 14.1 42.2#



#95
 Naphthalene
 Concen: 19.68 ug/l
 RT: 13.83 min Scan# 2173
 Delta R.T. 0.00 min
 Lab File: VX003780.D
 Acq: 01 Aug 2018 05:34

Tgt Ion:128 Resp: 36761
 Ion Ratio Lower Upper
 128 100
 127 13.1 10.2 15.2
 129 12.2 8.7 13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 0.38 ug/l
 RT: 14.02 min Scan# 2203
 Delta R.T. -0.01 min
 Lab File: VX003780.D
 Acq: 01 Aug 2018 05:34

Instrument :
 MSVOA_X
 ClientSampleId :
 GW-01(3-5)

Tot Ion	Ratio	Lower	Upper
180	100		
182	91.3	47.9	143.8
145	165.8	14.7	44.1

