

Data Path : W:\HPCHEM1\MSVOA X\DATA\WX051518\
 Data File : VX001726.D
 Acq On : 14 May 2018 23:10
 Operator : JC/MD
 Sample : J2833-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-4

Quant Time: May 15 06:40:36 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X051518W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 15 01:36:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	284290	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	384969	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	337598	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	215307	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	175027	45.93	ug/l	0.00
Spiked Amount			Recovery	=	91.86%	
35) Dibromofluoromethane	5.51	113	143020	44.02	ug/l	0.00
Spiked Amount			Recovery	=	88.04%	
50) Toluene-d8	8.72	98	533519	45.85	ug/l	0.00
Spiked Amount			Recovery	=	91.70%	
62) 4-Bromofluorobenzene	11.14	95	185254	44.22	ug/l	0.00
Spiked Amount			Recovery	=	88.44%	

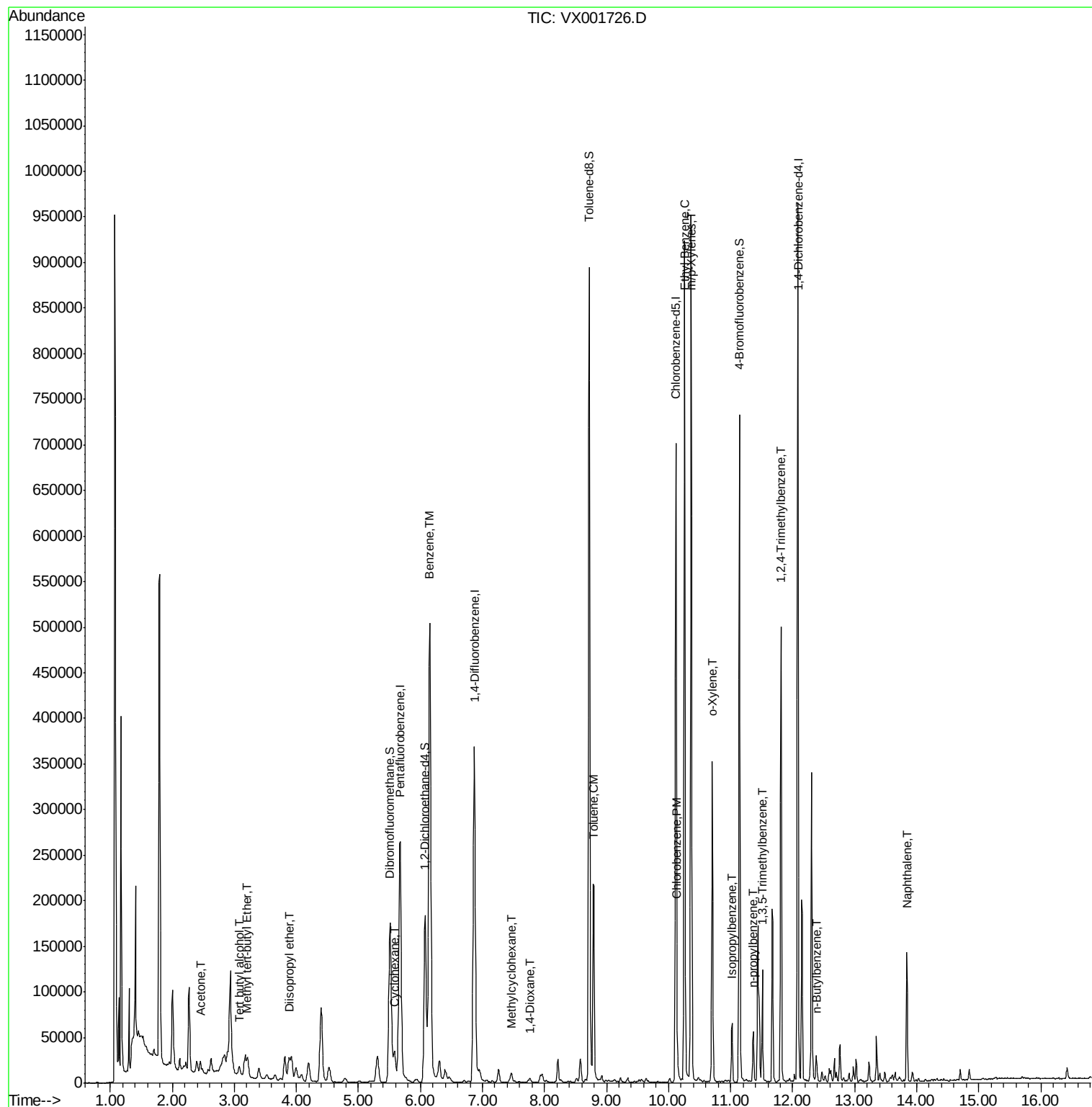
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.08	59	10725	15.85	ug/l	96
16) Acetone	2.45	43	13098	8.75	ug/l	96
19) Methyl tert-butyl Ether	3.21	73	23131	2.44	ug/l	95
22) Diisopropyl ether	3.88	45	26997	2.71	ug/l #	88
31) Cyclohexane	5.57	56	20509	4.28	ug/l	99
39) Methylcyclohexane	7.46	83	3656	0.71	ug/l	98
40) Benzene	6.15	78	614612	47.07	ug/l	100
49) 1,4-Dioxane	7.76	88	2943	40.17	ug/l	97
52) Toluene	8.79	92	85238	10.16	ug/l	100
65) Chlorobenzene	10.14	112	5902	0.64	ug/l	100
67) Ethyl Benzene	10.26	91	516436	34.80	ug/l	100
68) m/p-Xylenes	10.37	106	234252	40.01	ug/l	99
69) o-Xylene	10.70	106	82055	14.63	ug/l	99
73) Isopropylbenzene	11.02	105	31786	2.24	ug/l	100
78) n-propylbenzene	11.37	91	27105	1.70	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	50094	4.31	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	221762	18.41	ug/l	99
89) n-Butylbenzene	12.39	91	4631	0.40	ug/l #	30
95) Naphthalene	13.84	128	86729	5.45	ug/l	99

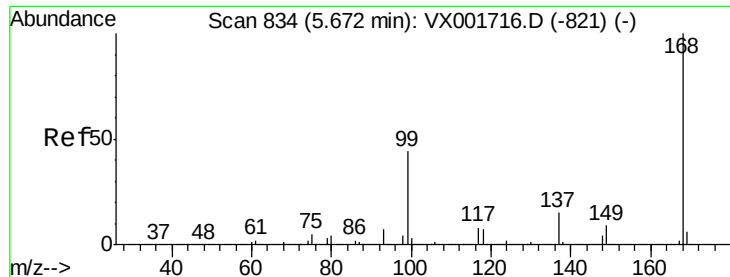
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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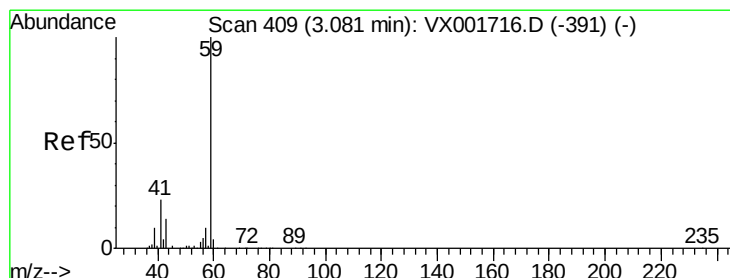
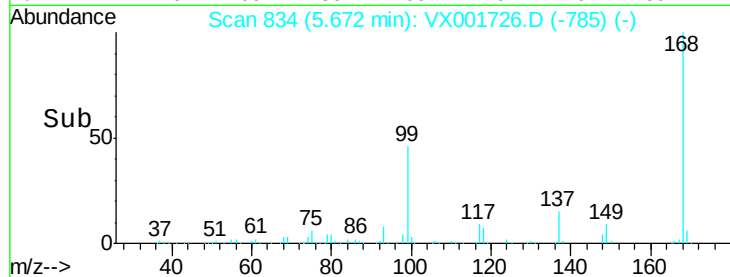
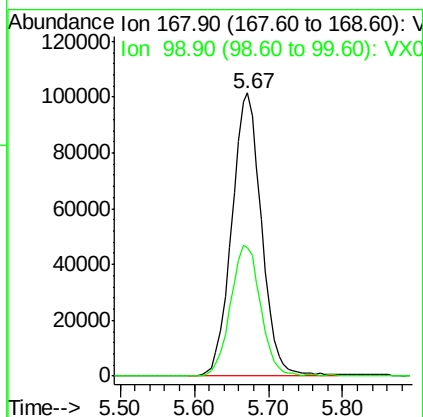
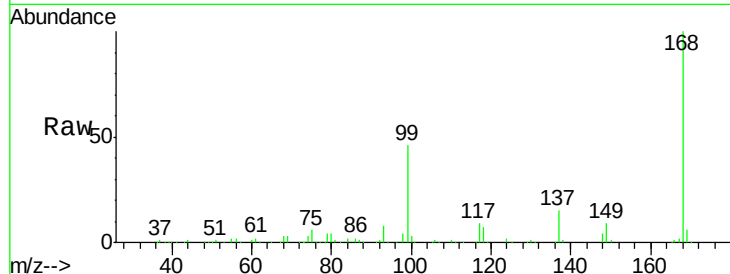




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.67 min Scan# 834
Delta R.T. 0.00 min
Lab File: VX001726.D
Acq: 14 May 2018 23:10

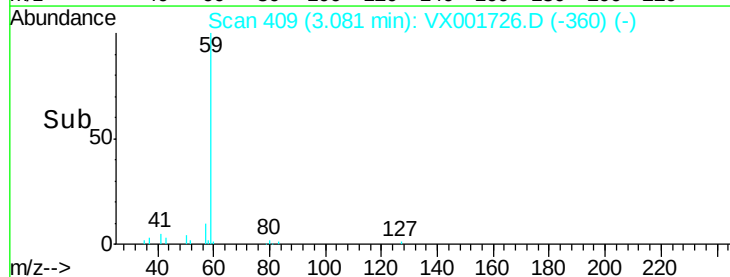
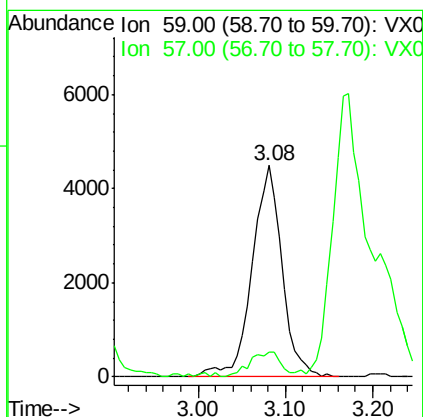
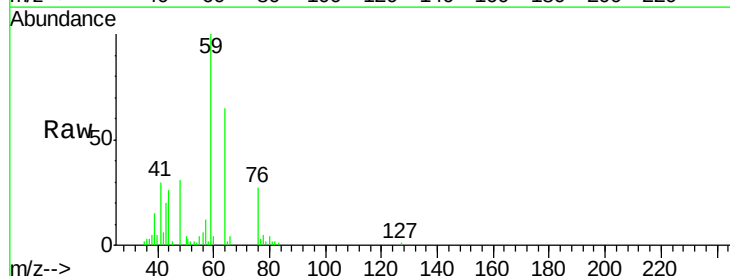
Instrument :
MSVOA_X
ClientSampled :
MW-4

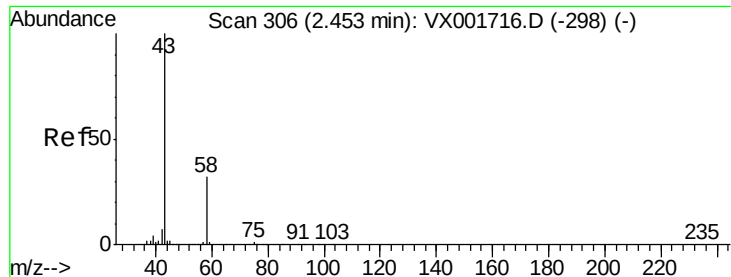
Tot Ion:168 Resp: 284290
Ion Ratio Lower Upper
168 100
99 45.6 35.0 52.4



#11
Tert butyl alcohol
Concen: 15.85 ug/l
RT: 3.08 min Scan# 409
Delta R.T. 0.00 min
Lab File: VX001726.D
Acq: 14 May 2018 23:10

Tgt Ion: 59 Resp: 10725
Ion Ratio Lower Upper
59 100
57 12.3 8.5 12.7





#16

Acetone

Concen: 8.75 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.00 min

Lab File: VX001726.D

Acq: 14 May 2018 23:10

Instrument :

MSVOA_X

ClientSampled :

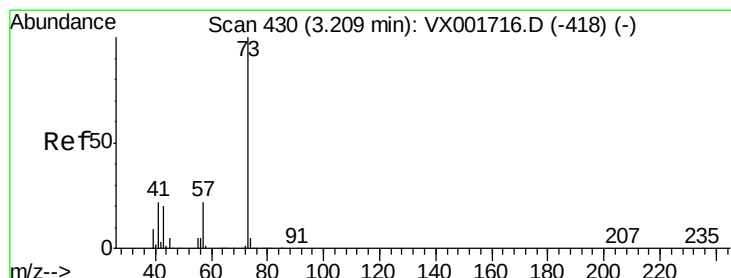
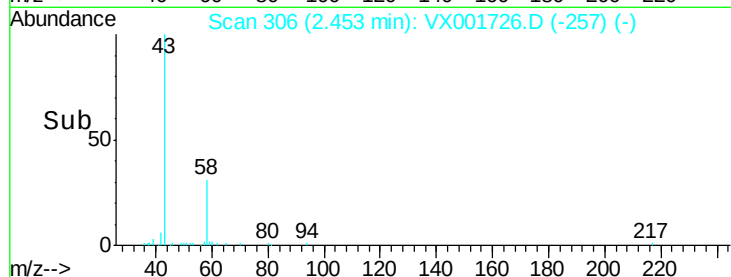
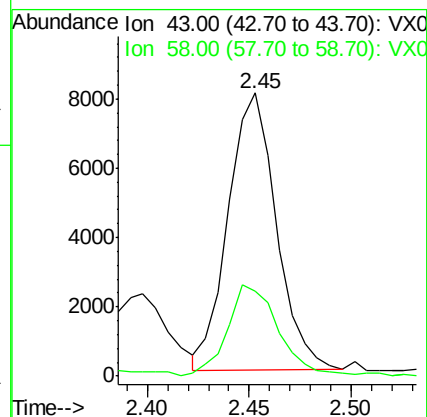
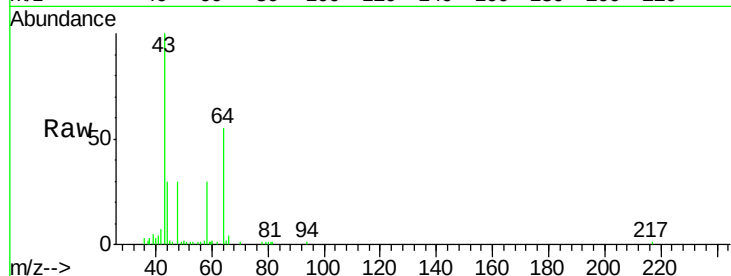
MW-4

Tot Ion: 43 Resp: 13098

Ion Ratio Lower Upper

43 100

58 29.6 25.3 37.9



#19

Methyl tert-butyl Ether

Concen: 2.44 ug/l

RT: 3.21 min Scan# 431

Delta R.T. 0.01 min

Lab File: VX001726.D

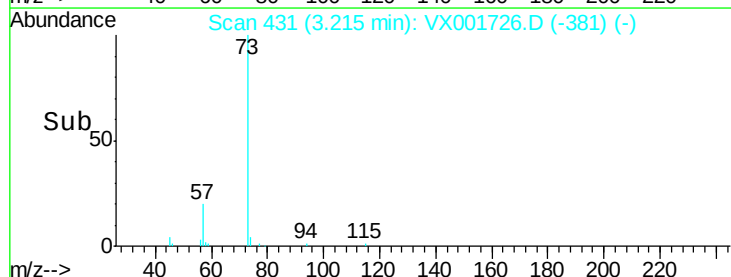
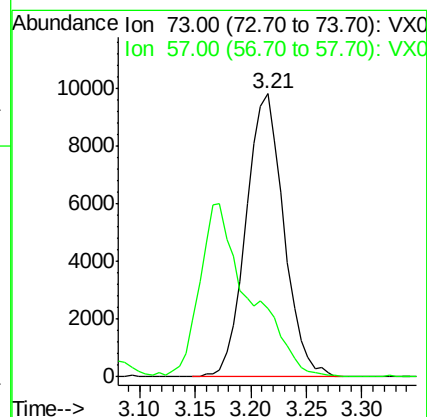
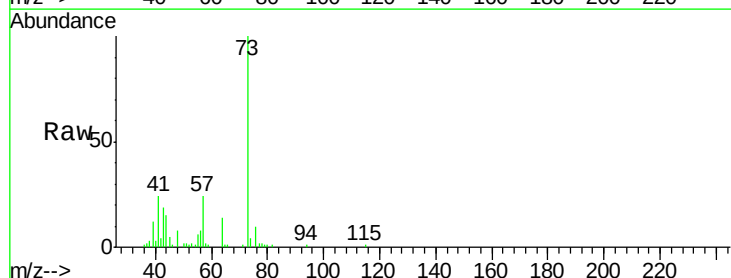
Acq: 14 May 2018 23:10

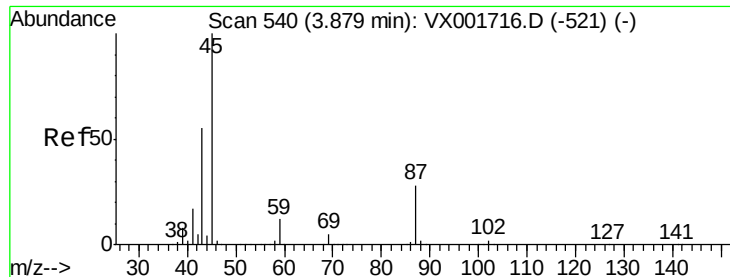
Tgt Ion: 73 Resp: 23131

Ion Ratio Lower Upper

73 100

57 24.1 17.5 26.3





#22

Diisopropyl ether

Concen: 2.71 ug/l

RT: 3.88 min Scan# 540

Delta R.T. 0.00 min

Lab File: VX001726.D

Acq: 14 May 2018 23:10

Instrument :

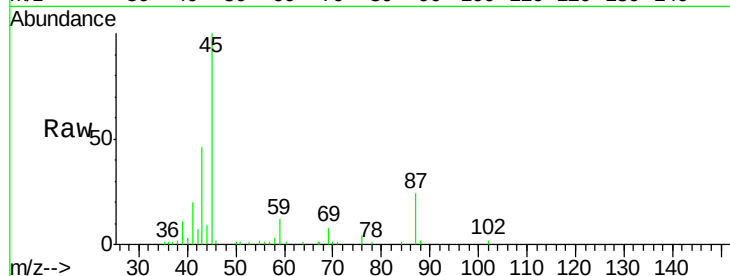
MSVOA_X

ClientSampled :

MW-4

Tot Ion: 45 Resp: 26997

Ion	Ratio	Lower	Upper
45	100		
43	44.2	44.3	66.5#
87	24.1	22.6	33.8
59	12.3	9.4	14.0

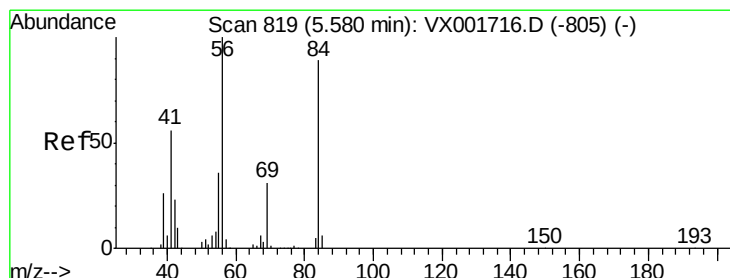
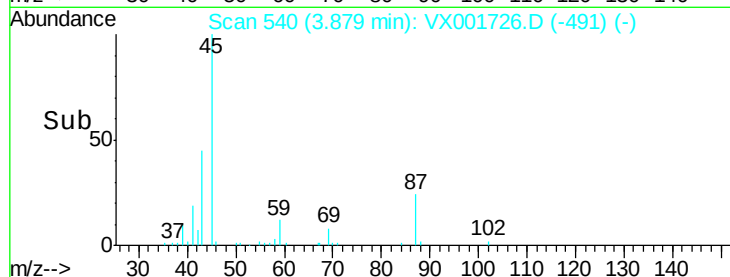
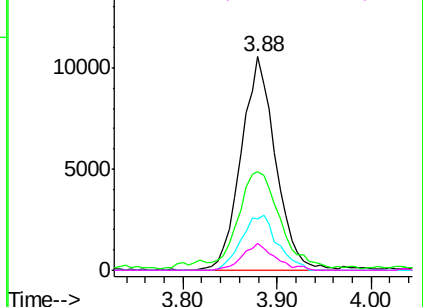


Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0



#31

Cyclohexane

Concen: 4.28 ug/l

RT: 5.57 min Scan# 818

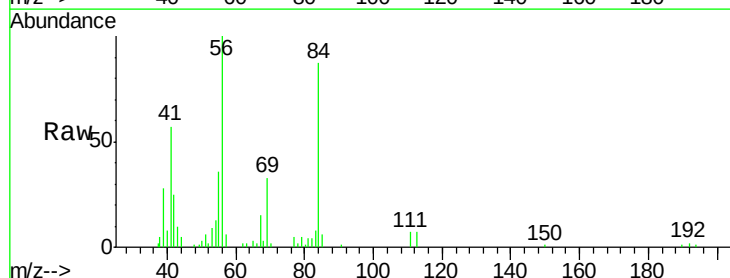
Delta R.T. -0.01 min

Lab File: VX001726.D

Acq: 14 May 2018 23:10

Tgt Ion: 56 Resp: 20509

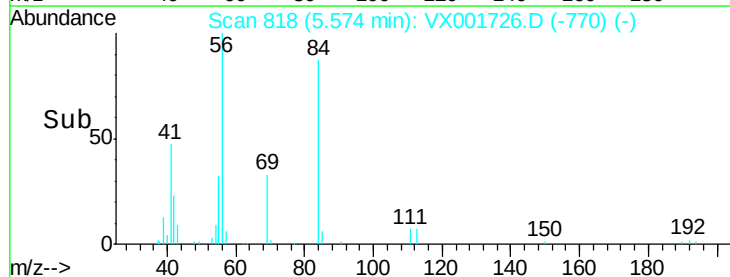
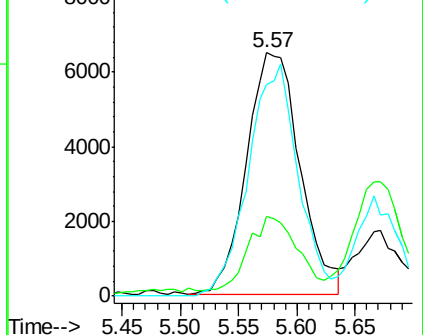
Ion	Ratio	Lower	Upper
56	100		
69	30.1	25.0	37.6
84	87.7	71.0	106.4

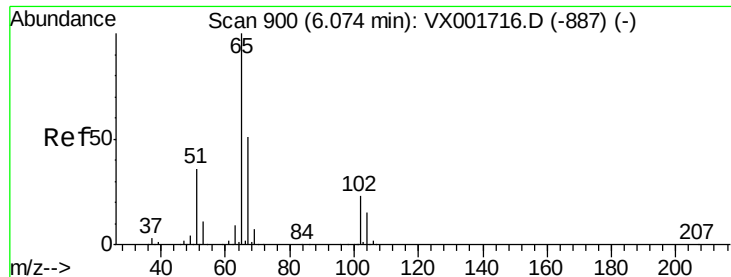


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 45.93 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.00 min

Lab File: VX001726.D

Acq: 14 May 2018 23:10

Instrument :

MSVOA_X

ClientSampleId :

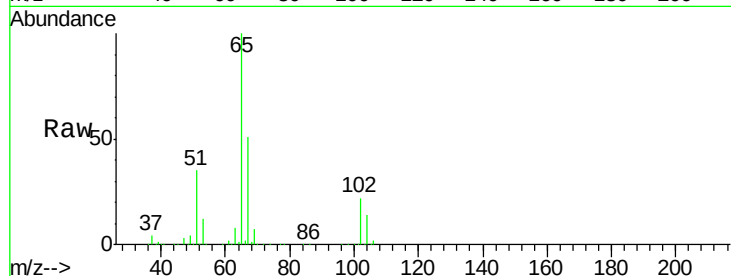
MW-4

Tot Ion: 65 Resp: 175027

Ion Ratio Lower Upper

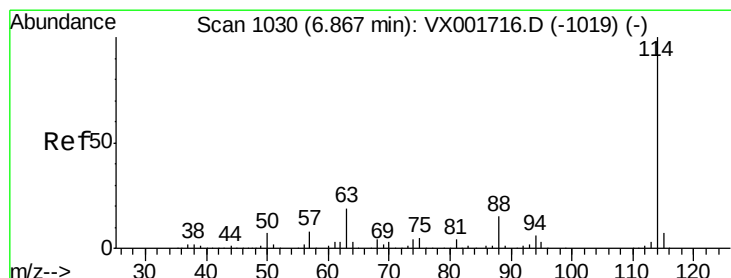
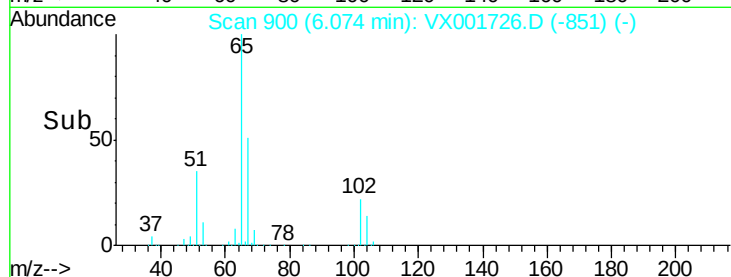
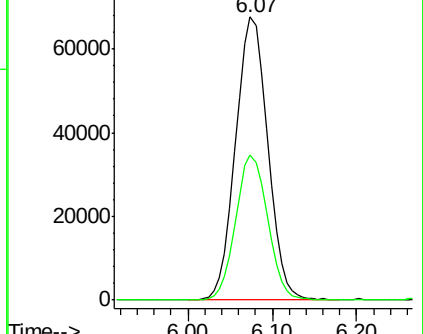
65 100

67 51.1 0.0 102.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VX001726.D

Acq: 14 May 2018 23:10

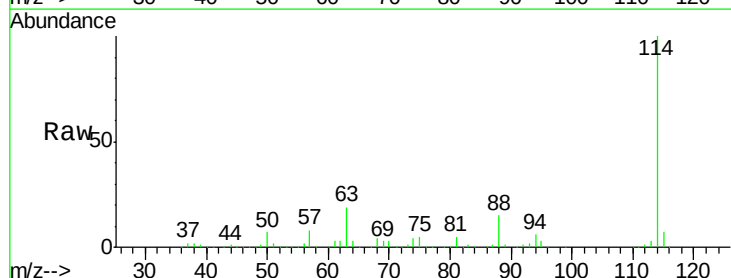
Tgt Ion: 114 Resp: 384969

Ion Ratio Lower Upper

114 100

63 19.1 0.0 37.0

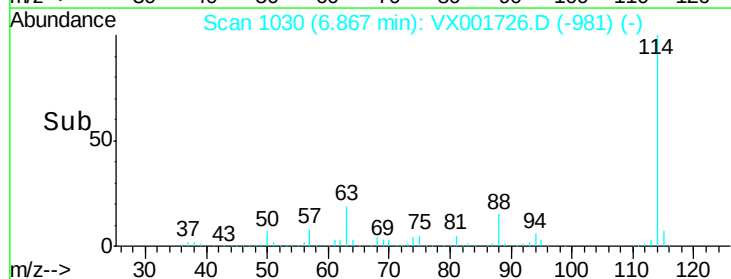
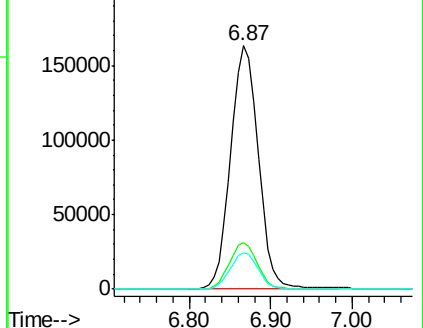
88 14.9 0.0 29.8

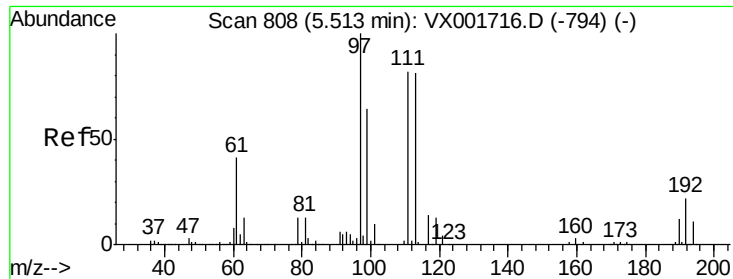


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

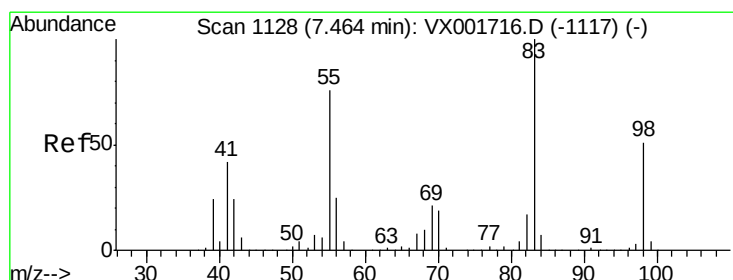
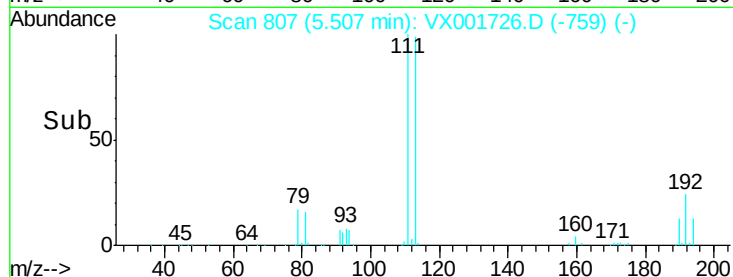
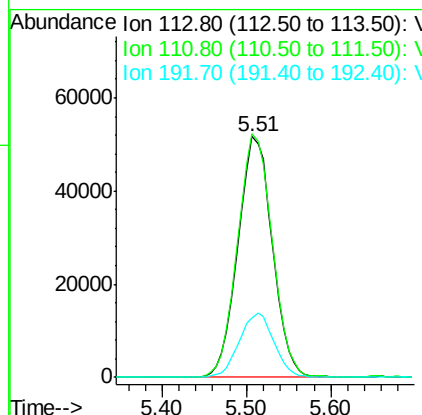
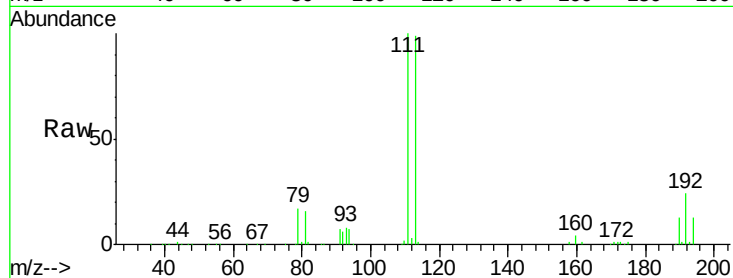




#35
Dibromofluoromethane
Concen: 44.02 ug/l
RT: 5.51 min Scan# 807
Delta R.T. -0.01 min
Lab File: VX001726.D
Acq: 14 May 2018 23:10

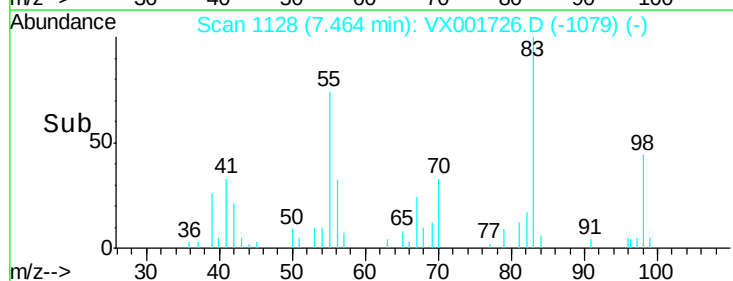
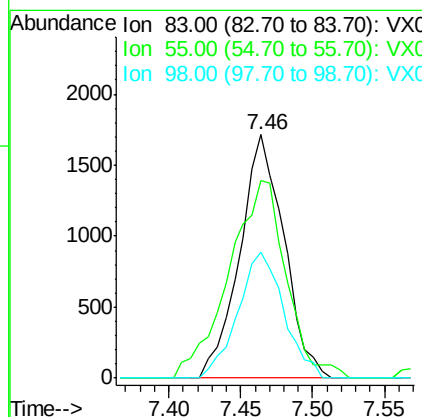
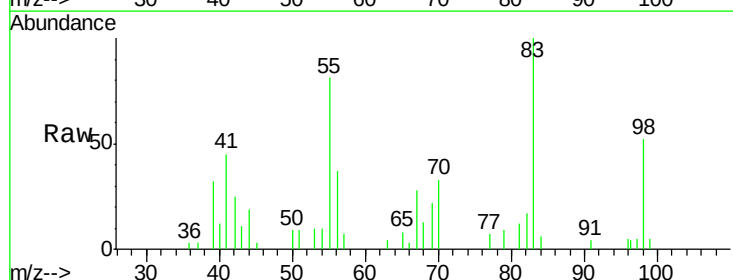
Instrument :
MSVOA_X
ClientSampleId :
MW-4

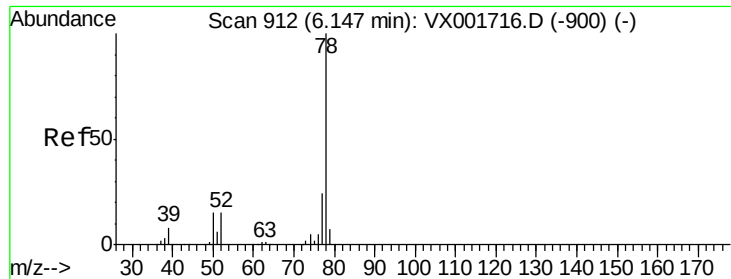
Tot Ion:113 Resp: 143020
Ion Ratio Lower Upper
113 100
111 101.9 82.0 123.0
192 26.8 21.6 32.4



#39
Methylcyclohexane
Concen: 0.71 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX001726.D
Acq: 14 May 2018 23:10

Tgt Ion: 83 Resp: 3656
Ion Ratio Lower Upper
83 100
55 77.7 60.6 90.8
98 51.5 40.4 60.6





#40

Benzene

Concen: 47.07 ug/l

RT: 6.15 min Scan# 912

Delta R.T. 0.00 min

Lab File: VX001726.D

Acq: 14 May 2018 23:10

Instrument :

MSVOA_X

ClientSampled :

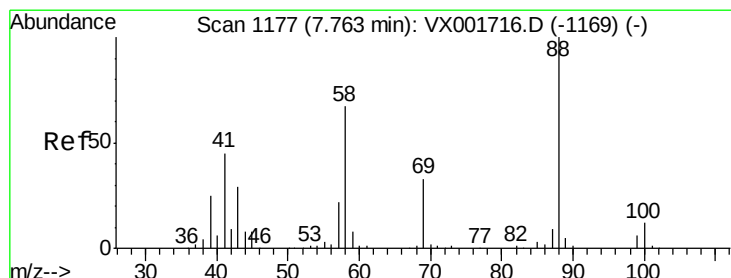
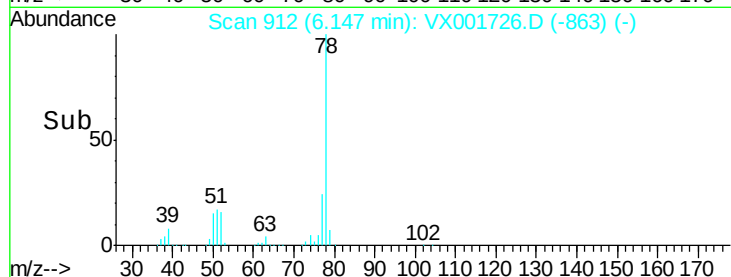
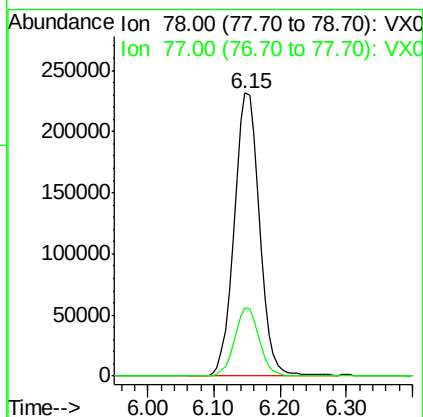
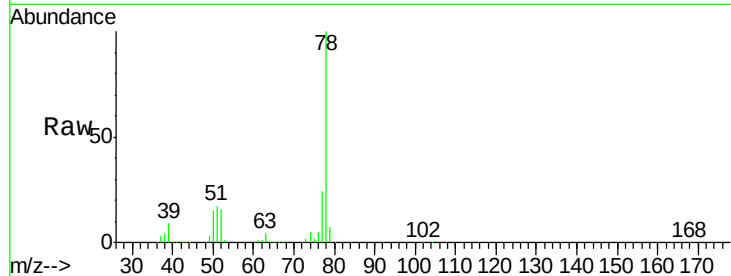
MW-4

Tot Ion: 78 Resp: 614612

Ion Ratio Lower Upper

78 100

77 23.9 19.0 28.4



#49

1,4-Dioxane

Concen: 40.17 ug/l

RT: 7.76 min Scan# 1177

Delta R.T. 0.00 min

Lab File: VX001726.D

Acq: 14 May 2018 23:10

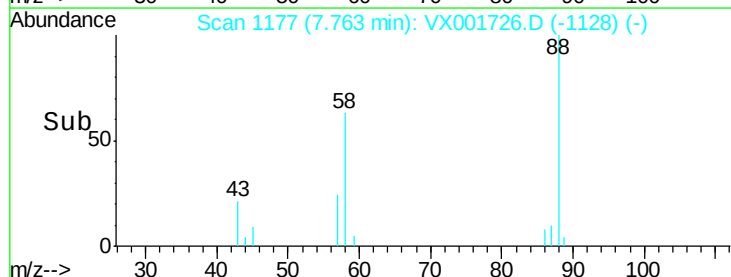
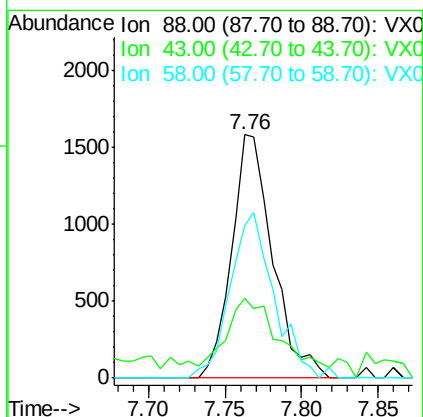
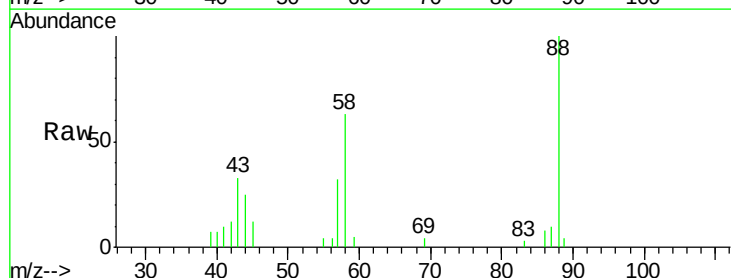
Tgt Ion: 88 Resp: 2943

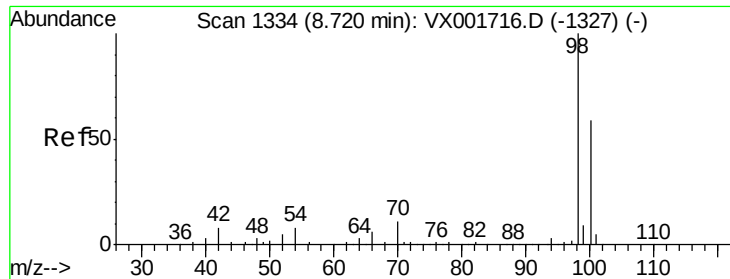
Ion Ratio Lower Upper

88 100

43 32.3 27.3 40.9

58 72.7 55.9 83.9

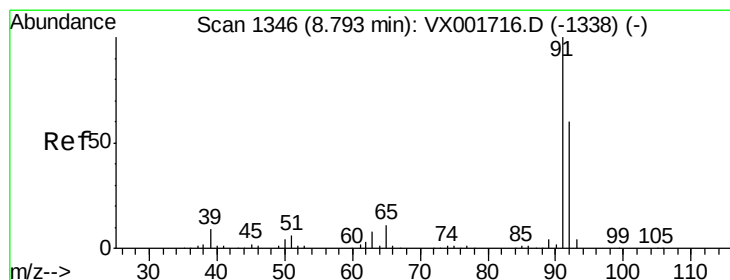
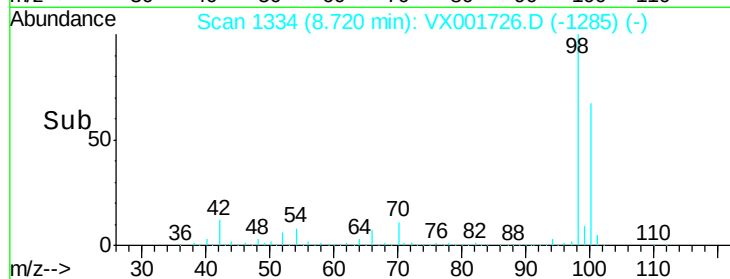
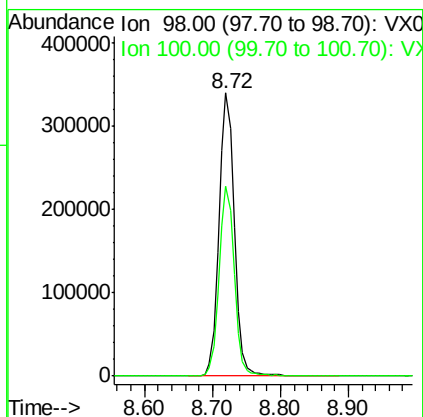
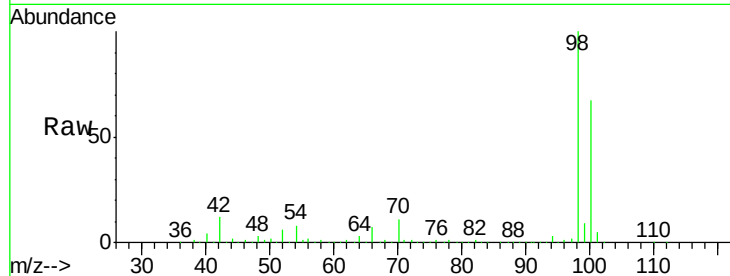




#50
Toluene-d8
Concen: 45.85 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX001726.D
Acq: 14 May 2018 23:10

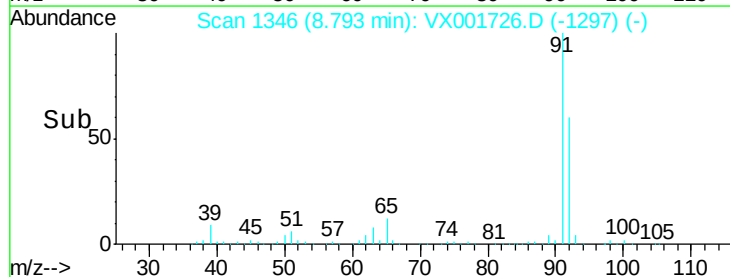
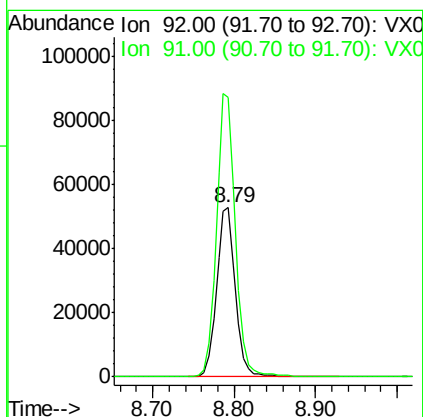
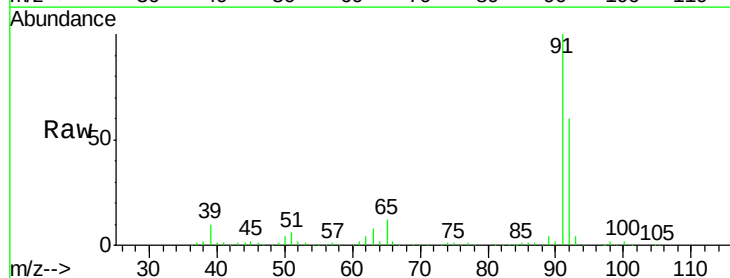
Instrument :
MSVOA_X
ClientSampleId :
MW-4

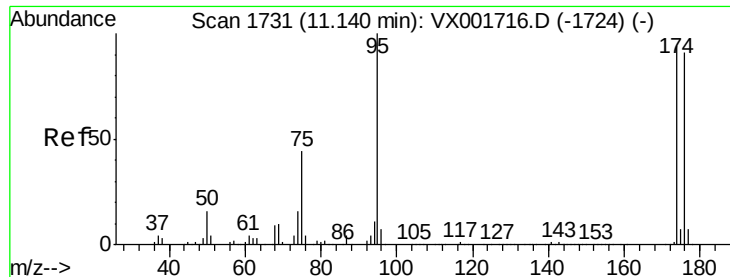
Tot Ion: 98 Resp: 533519
Ion Ratio Lower Upper
98 100
100 66.7 54.0 81.0



#52
Toluene
Concen: 10.16 ug/l
RT: 8.79 min Scan# 1346
Delta R.T. 0.00 min
Lab File: VX001726.D
Acq: 14 May 2018 23:10

Tgt Ion: 92 Resp: 85238
Ion Ratio Lower Upper
92 100
91 169.4 135.5 203.3





#62

4-Bromofluorobenzene

Concen: 44.22 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX001726.D

Acq: 14 May 2018 23:10

Instrument :

MSVOA_X

ClientSampleId :

MW-4

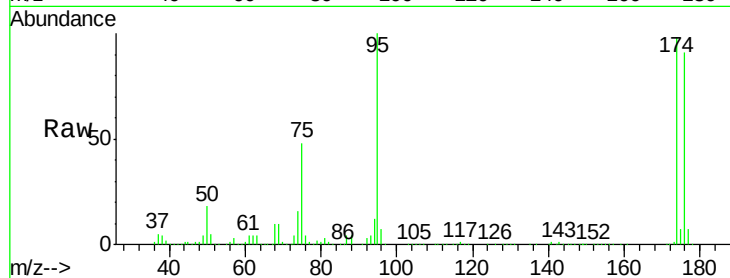
Tot Ion: 95 Resp: 185254

Ion Ratio Lower Upper

95 100

174 102.8 0.0 201.8

176 98.0 0.0 196.8



Abundance Ion 94.90 (94.60 to 95.60): VX001716.D (-1724) (-)

Ion 173.80 (173.50 to 174.50): VX001716.D (-1724) (-)

Ion 175.80 (175.50 to 176.50): VX001716.D (-1724) (-)

11.14

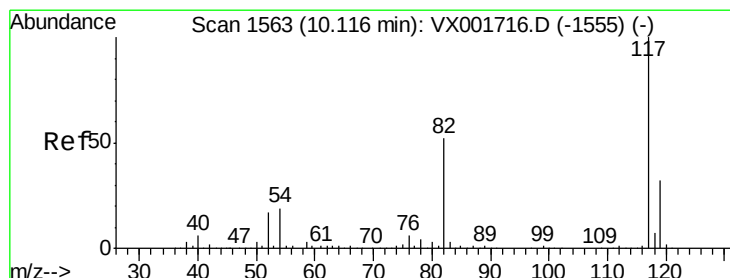
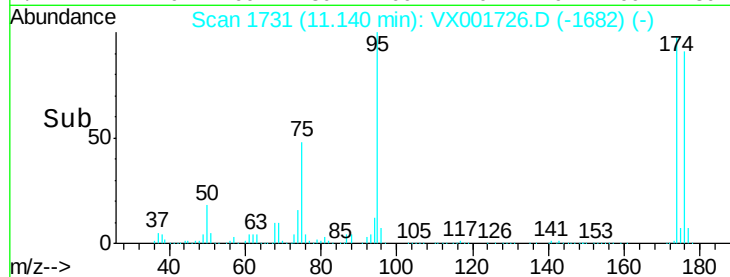
150000

100000

50000

0

Time-->



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VX001726.D

Acq: 14 May 2018 23:10

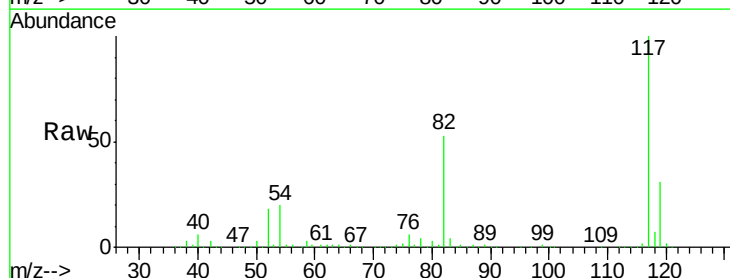
Tgt Ion: 117 Resp: 337598

Ion Ratio Lower Upper

117 100

82 52.5 41.4 62.2

119 31.3 25.6 38.4



Abundance Ion 116.90 (116.60 to 117.60): VX001716.D (-1555) (-)

Ion 82.00 (81.70 to 82.70): VX001716.D (-1555) (-)

Ion 118.90 (118.60 to 119.60): VX001716.D (-1555) (-)

10.12

300000

250000

200000

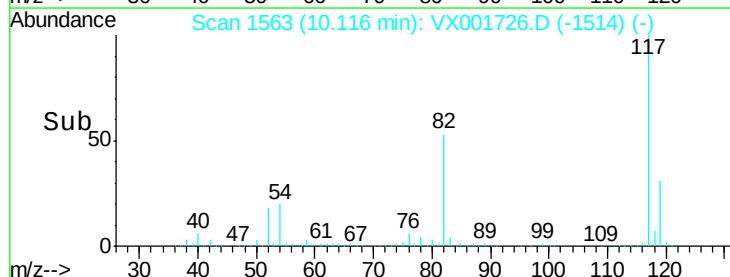
150000

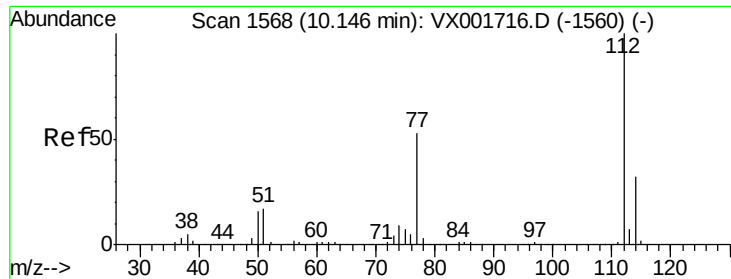
100000

50000

0

Time-->

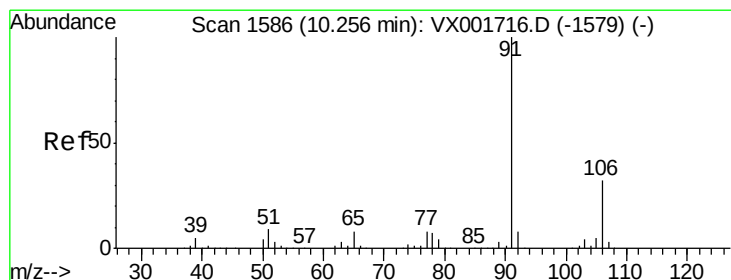
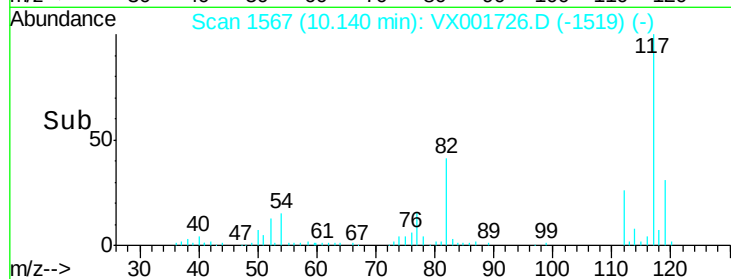
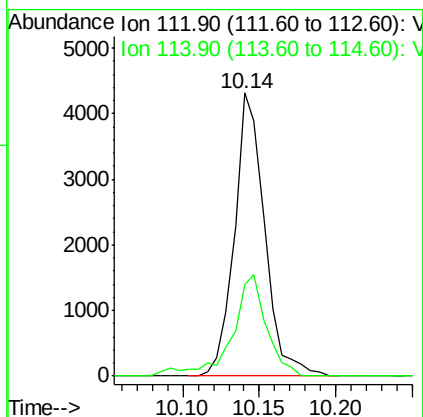
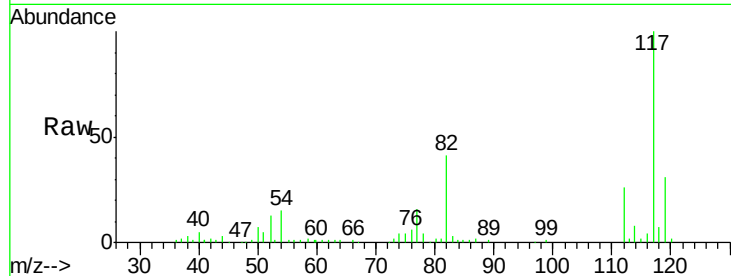




#65
Chlorobenzene
Concen: 0.64 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VX001726.D
Acq: 14 May 2018 23:10

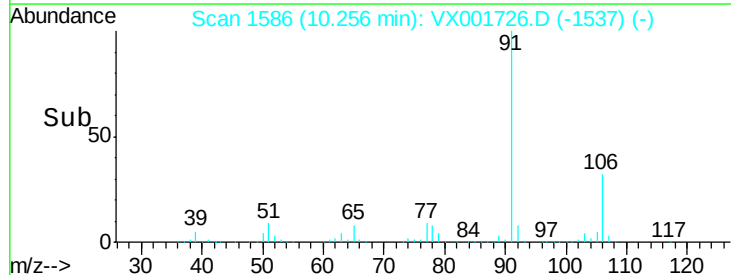
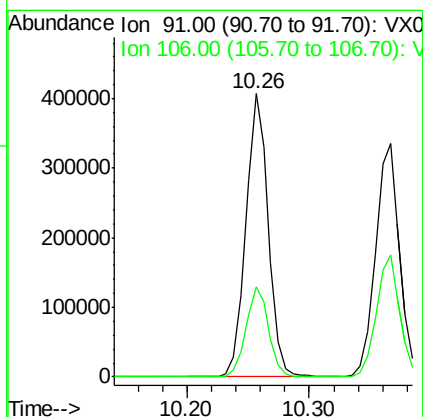
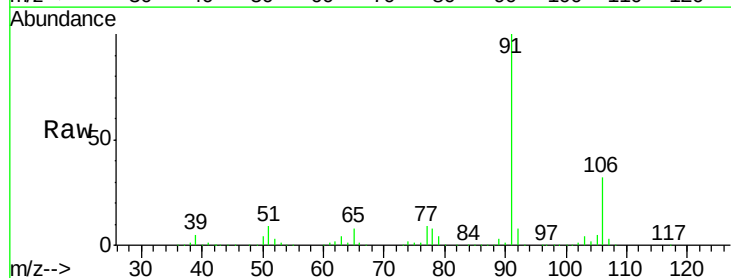
Instrument :
MSVOA_X
ClientSampleId :
MW-4

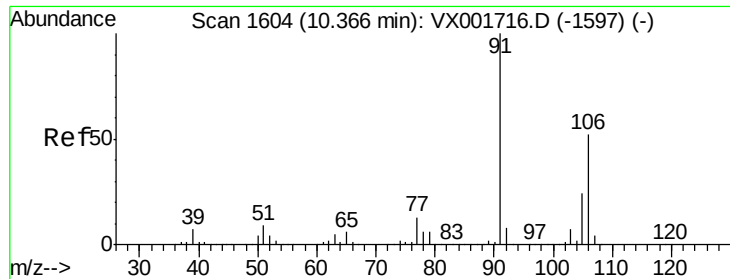
Tot Ion:112 Resp: 5902
Ion Ratio Lower Upper
112 100
114 32.1 25.6 38.4



#67
Ethyl Benzene
Concen: 34.80 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VX001726.D
Acq: 14 May 2018 23:10

Tgt Ion: 91 Resp: 516436
Ion Ratio Lower Upper
91 100
106 32.0 25.7 38.5





#68

m/p-Xylenes

Concen: 40.01 ug/l

RT: 10.37 min Scan# 1604

Delta R.T. 0.00 min

Lab File: VX001726.D

Acq: 14 May 2018 23:10

Instrument :

MSVOA_X

ClientSampleId :

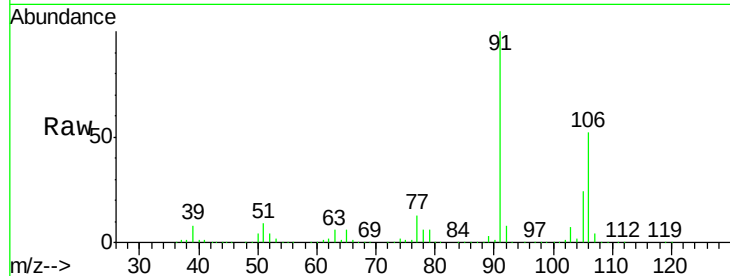
MW-4

Tot Ion:106 Resp: 234252

Ion Ratio Lower Upper

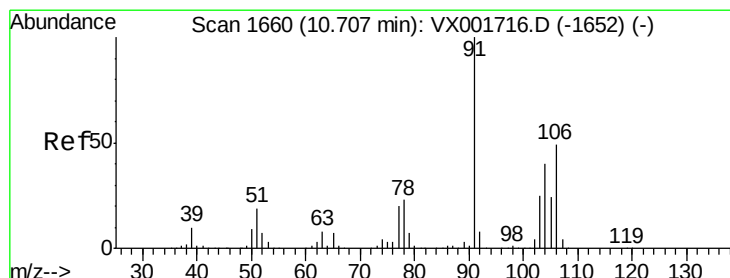
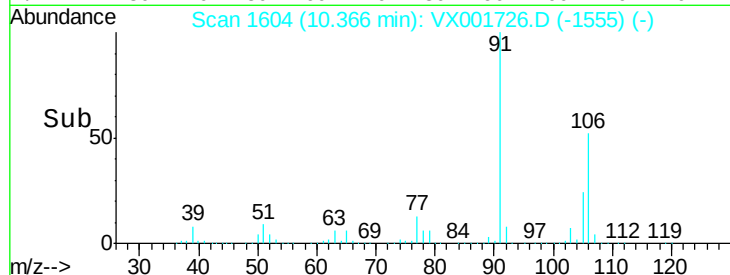
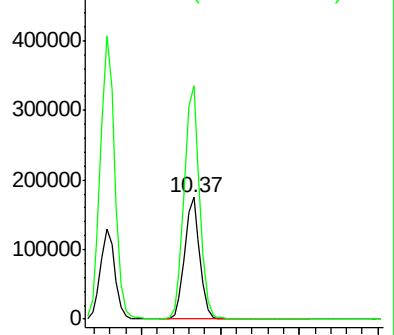
106 100

91 195.6 155.4 233.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#69

o-Xylene

Concen: 14.63 ug/l

RT: 10.70 min Scan# 1659

Delta R.T. -0.01 min

Lab File: VX001726.D

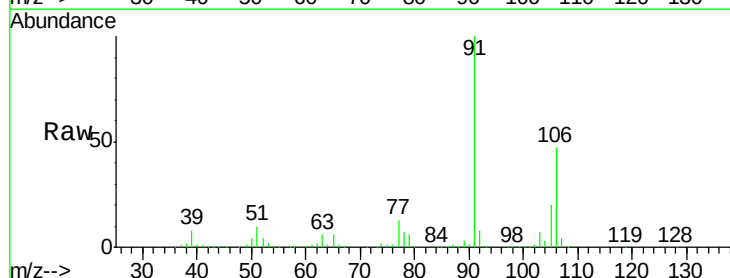
Acq: 14 May 2018 23:10

Tgt Ion:106 Resp: 82055

Ion Ratio Lower Upper

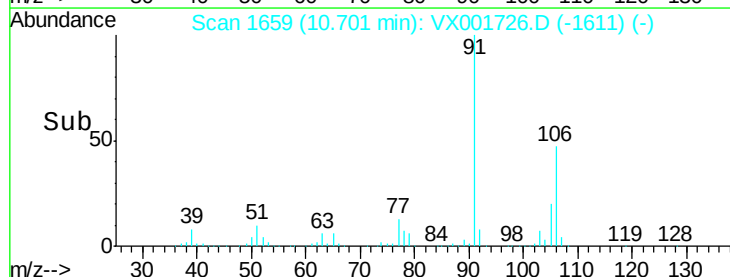
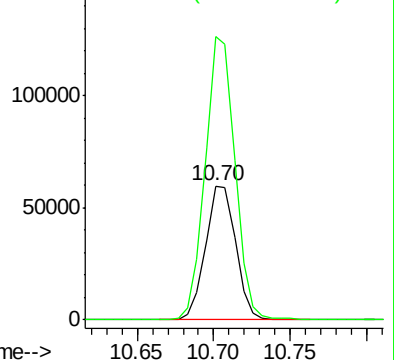
106 100

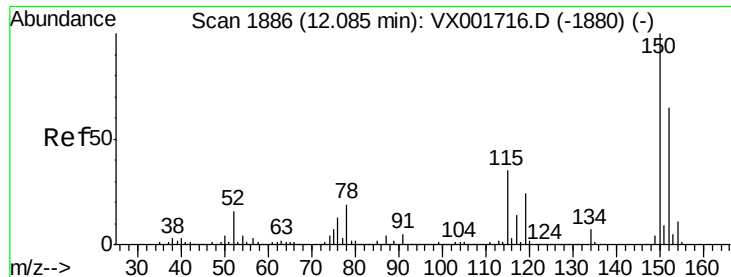
91 208.1 103.4 310.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX001726.D

Acq: 14 May 2018 23:10

Instrument :

MSVOA_X

ClientSampled :

MW-4

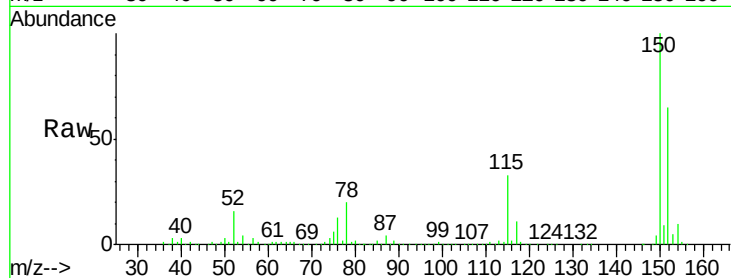
Tot Ion:152 Resp: 215307

Ion Ratio Lower Upper

152 100

115 51.1 37.4 112.2

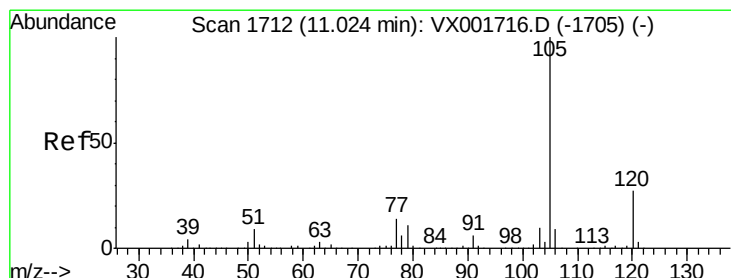
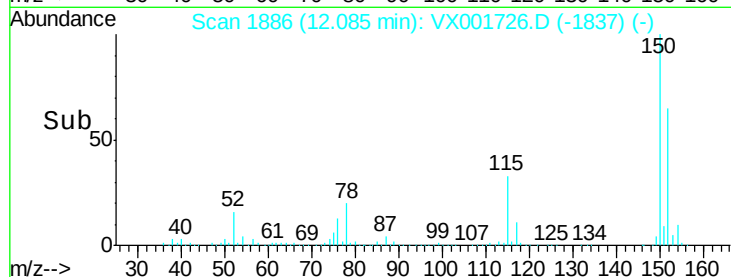
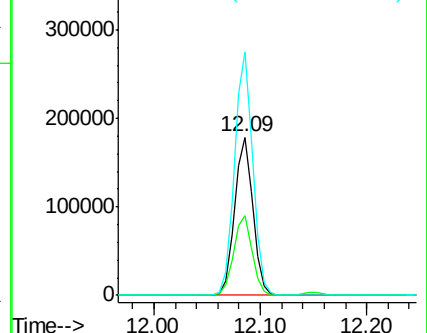
150 153.5 0.0 344.8



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: 2.24 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.00 min

Lab File: VX001726.D

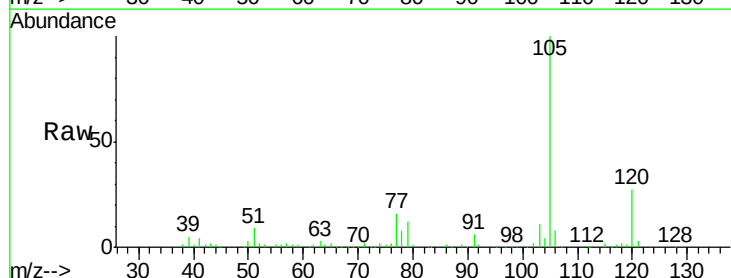
Acq: 14 May 2018 23:10

Tgt Ion:105 Resp: 31786

Ion Ratio Lower Upper

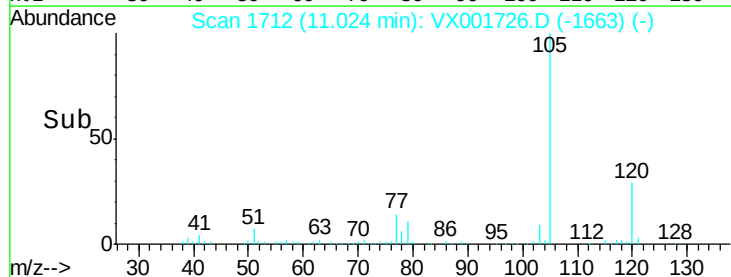
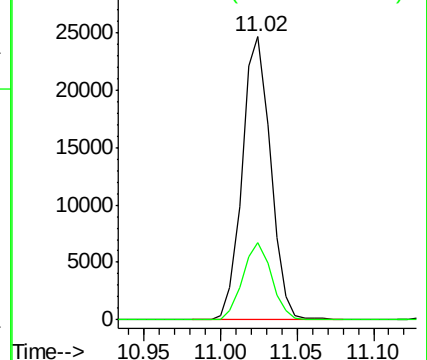
105 100

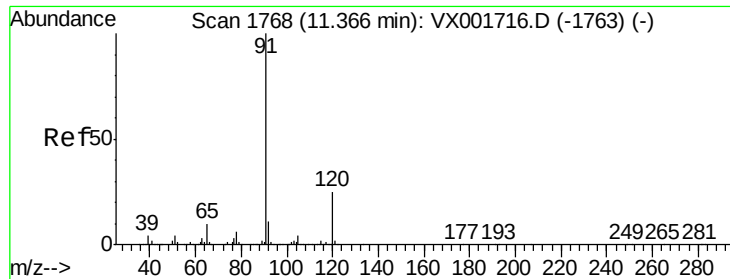
120 27.5 13.8 41.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 1.70 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VX001726.D

Acq: 14 May 2018 23:10

Instrument :

MSVOA_X

ClientSampled :

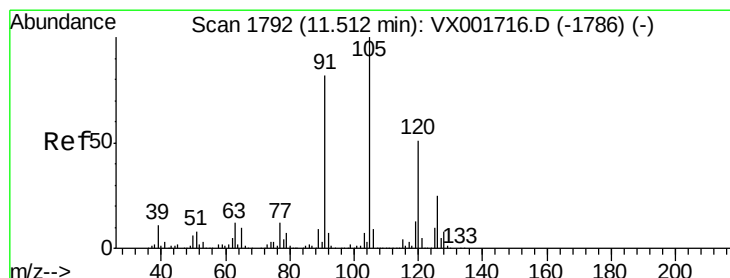
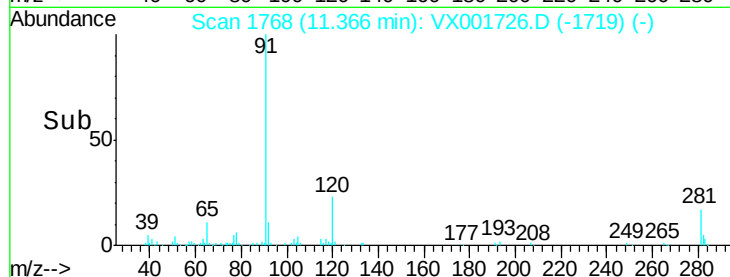
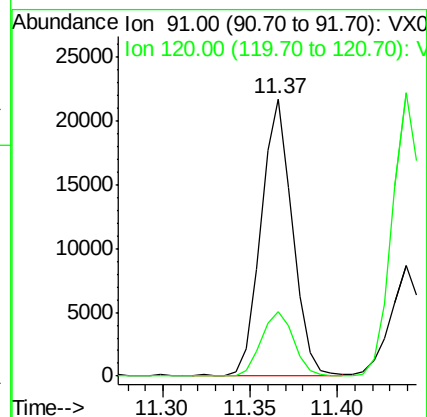
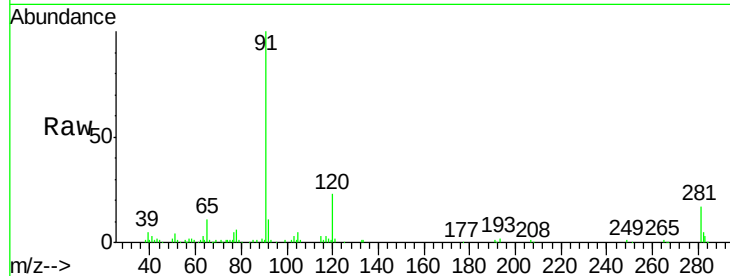
MW-4

Tot Ion: 91 Resp: 27105

Ion Ratio Lower Upper

91 100

120 23.8 12.5 37.5



#80

1,3,5-Trimethylbenzene

Concen: 4.31 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX001726.D

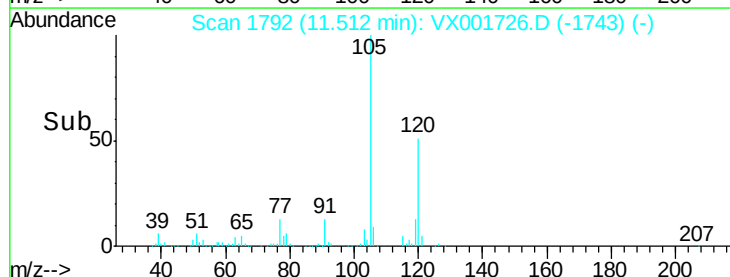
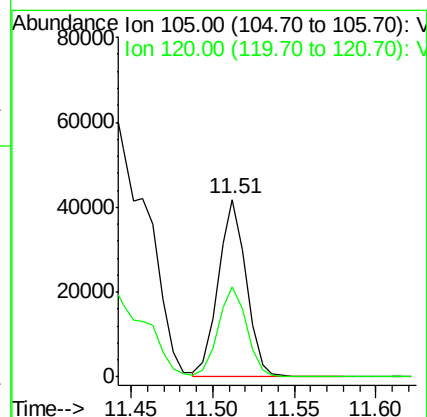
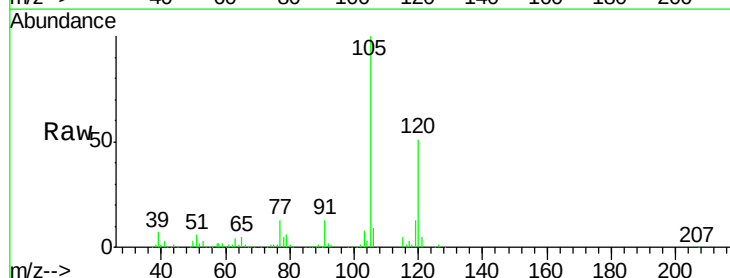
Acq: 14 May 2018 23:10

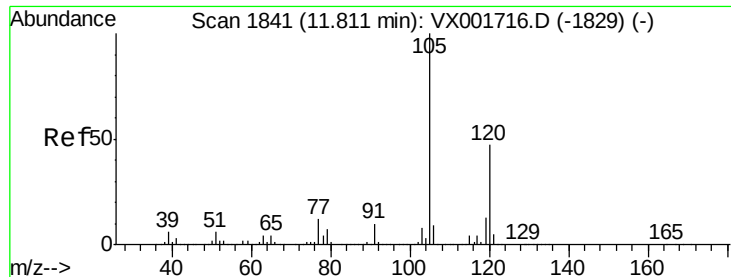
Tgt Ion: 105 Resp: 50094

Ion Ratio Lower Upper

105 100

120 52.0 25.7 77.0





#84

1,2,4-Trimethylbenzene

Concen: 18.41 ug/l

RT: 11.81 min Scan# 1841

Delta R.T. 0.00 min

Lab File: VX001726.D

Acq: 14 May 2018 23:10

Instrument :

MSVOA_X

ClientSampled :

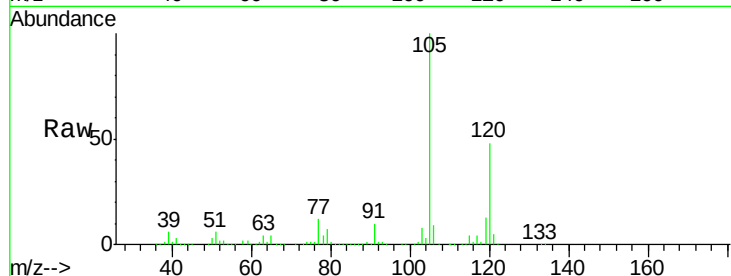
MW-4

Tot Ion:105 Resp: 221762

Ion Ratio Lower Upper

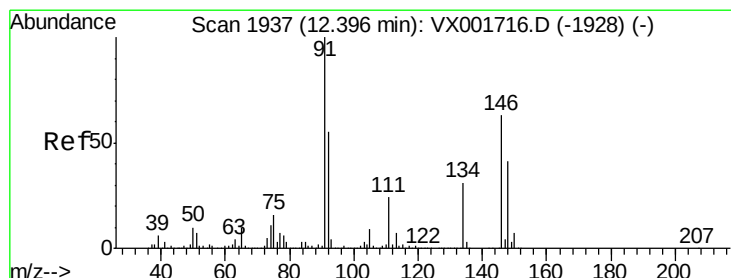
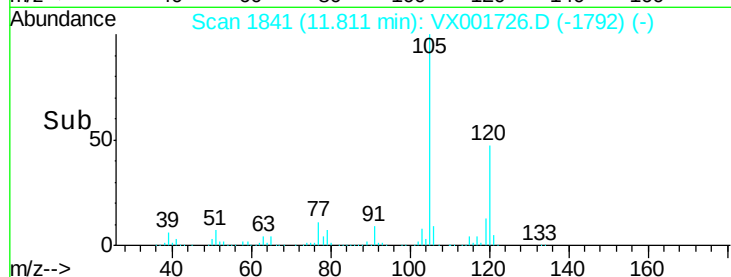
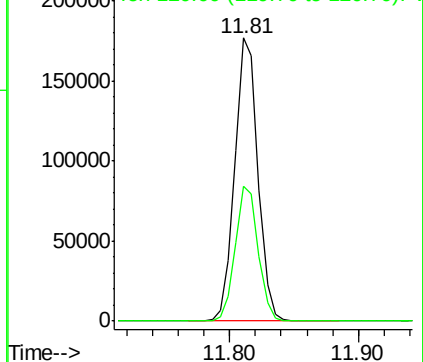
105 100

120 47.5 23.5 70.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#89

n-Butylbenzene

Concen: 0.40 ug/l

RT: 12.39 min Scan# 1936

Delta R.T. -0.01 min

Lab File: VX001726.D

Acq: 14 May 2018 23:10

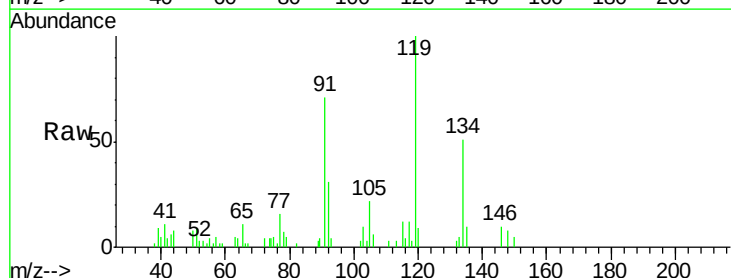
Tgt Ion: 91 Resp: 4631

Ion Ratio Lower Upper

91 100

92 32.1 27.3 81.9

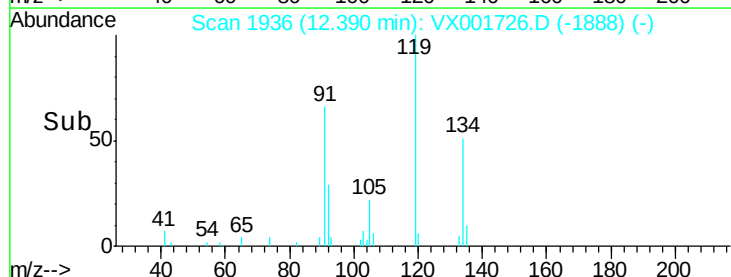
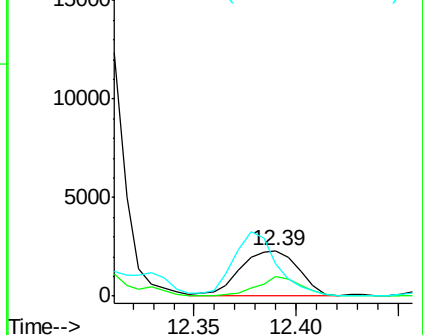
134 105.8 14.7 44.1#

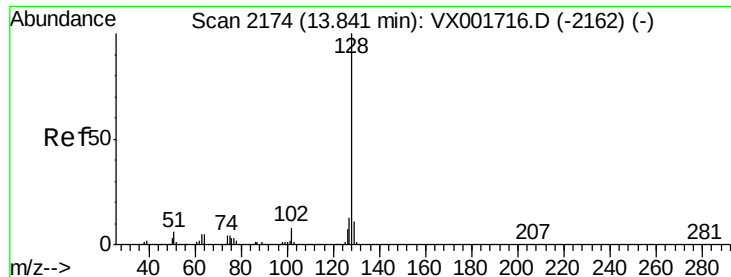


Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0

Ion 134.00 (133.70 to 134.70): V





#95
Naphthalene
Concen: 5.45 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. 0.00 min
Lab File: VX001726.D
Acq: 14 May 2018 23:10

Instrument :
MSVOA_X
ClientSampleId :
MW-4

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.2	15.4
129	11.4	8.9	13.3

