

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX052319\
 Data File : VX009857.D
 Acq On : 23 May 2019 14:44
 Operator : JC/SP
 Sample : K2977-10 20X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 EP1-PZ-W1-2

Quant Time: May 24 04:16:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	173462	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	280784	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	246514	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	108460	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	119794	50.59	ug/l	0.00
Spiked Amount			Recovery	=	101.18%	
35) Dibromofluoromethane	5.50	113	86379	48.94	ug/l	0.00
Spiked Amount			Recovery	=	97.88%	
50) Toluene-d8	8.71	98	352623	49.48	ug/l	0.00
Spiked Amount			Recovery	=	98.96%	
62) 4-Bromofluorobenzene	11.13	95	120724	46.62	ug/l	0.00
Spiked Amount			Recovery	=	93.24%	

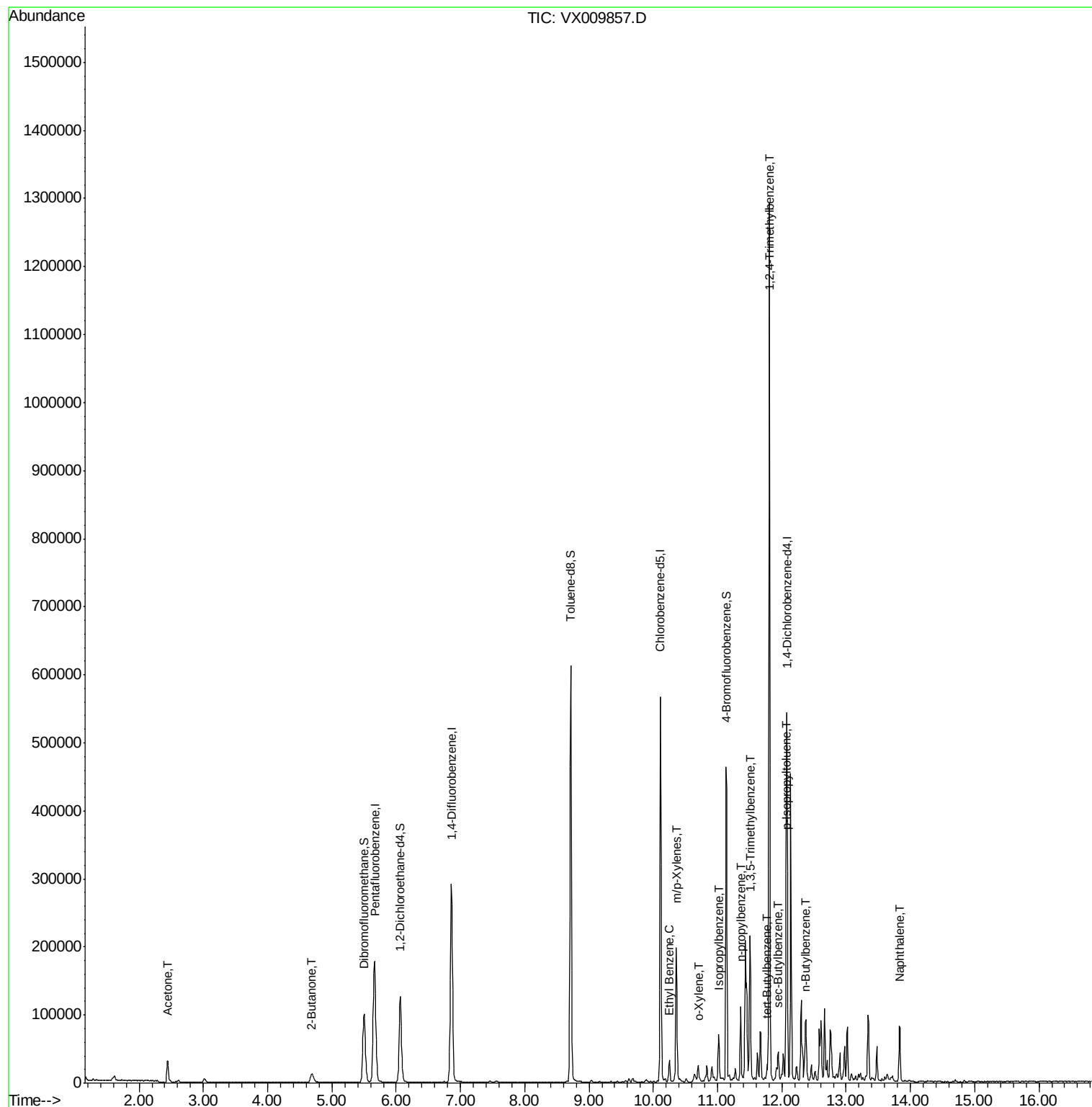
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.45	43	36277	28.531	ug/l	100
25) 2-Butanone	4.68	43	13514	6.839	ug/l	98
67) Ethyl Benzene	10.25	91	16883	1.860	ug/l	97
68) m/p-Xylenes	10.36	106	43799	13.206	ug/l	95
69) o-Xylene	10.70	106	4878	1.491	ug/l	97
73) Isopropylbenzene	11.02	105	32751	4.152	ug/l	98
78) n-propylbenzene	11.36	91	63449	7.044	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	86753	13.063	ug/l	99
83) tert-Butylbenzene	11.77	119	4071	0.630	ug/l	89
84) 1,2,4-Trimethylbenzene	11.80	105	532795	79.929	ug/l	100
85) sec-Butylbenzene	11.94	105	19083	2.492	ug/l	99
86) p-Isopropyltoluene	12.06	119	13171	1.913	ug/l	93
89) n-Butylbenzene	12.38	91	15252	2.451	ug/l #	44
95) Naphthalene	13.83	128	48333	6.112	ug/l	98

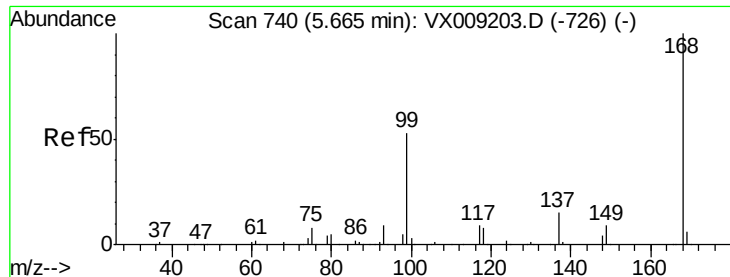
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX009857.D

Acq: 23 May 2019 14:44

Instrument :

MSVOA_X

ClientSampleId :

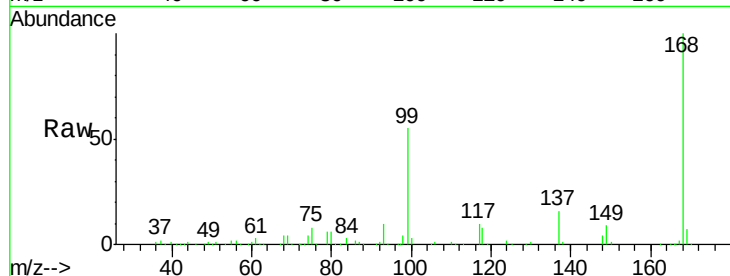
EP1-PZ-W1-2

Tot Ion:168 Resp: 173462

Ion Ratio Lower Upper

168 100

99 55.4 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

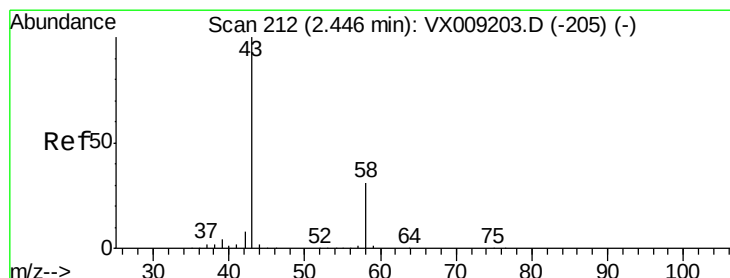
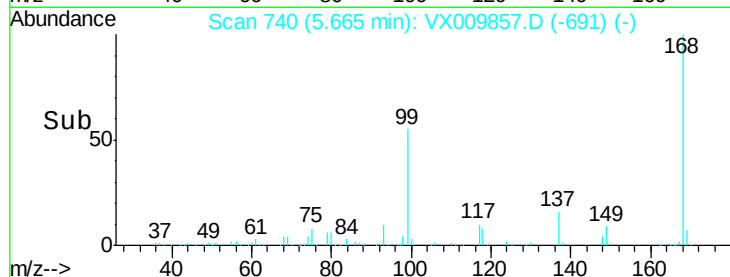
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#16

Acetone

Concen: 28.531 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX009857.D

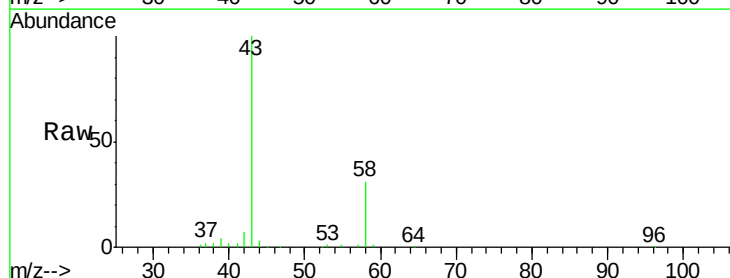
Acq: 23 May 2019 14:44

Tgt Ion: 43 Resp: 36277

Ion Ratio Lower Upper

43 100

58 30.9 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.45

20000

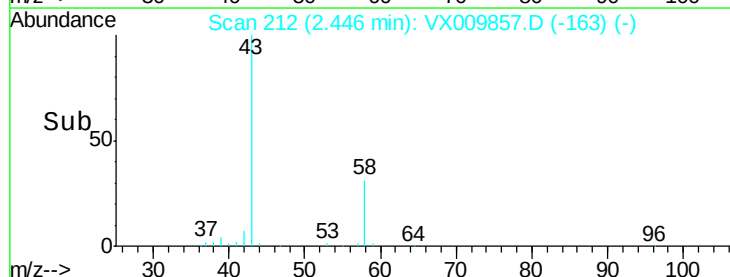
15000

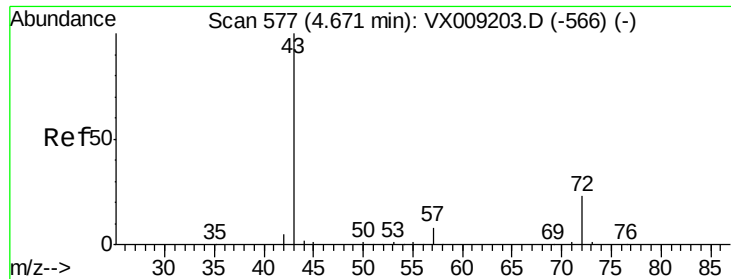
10000

5000

0

Time--> 2.35 2.40 2.45 2.50 2.55





#25

2-Butanone

Concen: 6.839 ug/l

RT: 4.68 min Scan# 578

Delta R.T. 0.01 min

Lab File: VX009857.D

Acq: 23 May 2019 14:44

Instrument :

MSVOA_X

ClientSampleId :

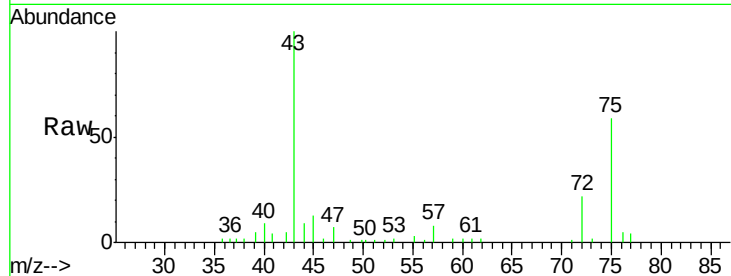
EP1-PZ-W1-2

Tot Ion: 43 Resp: 13514

Ion Ratio Lower Upper

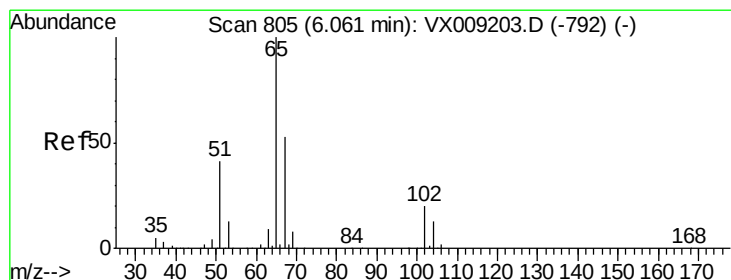
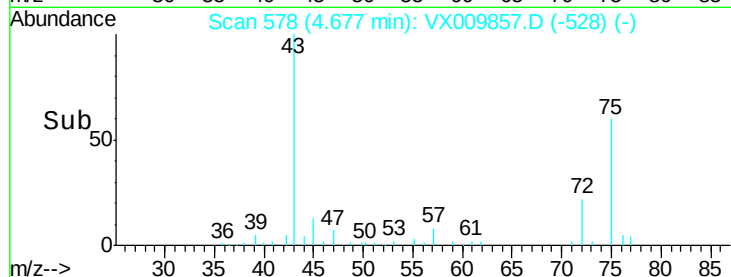
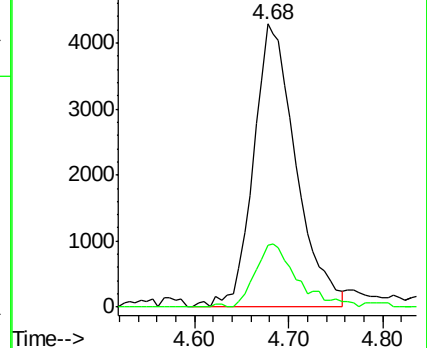
43 100

72 21.7 18.2 27.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 50.589 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX009857.D

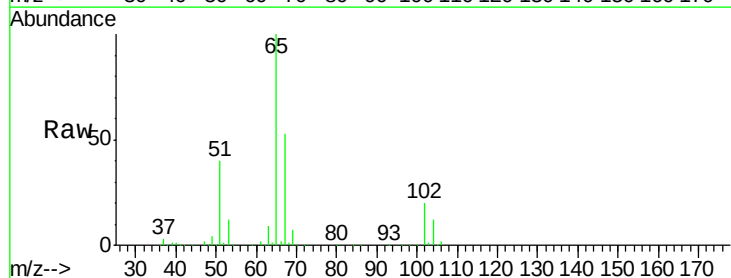
Acq: 23 May 2019 14:44

Tgt Ion: 65 Resp: 119794

Ion Ratio Lower Upper

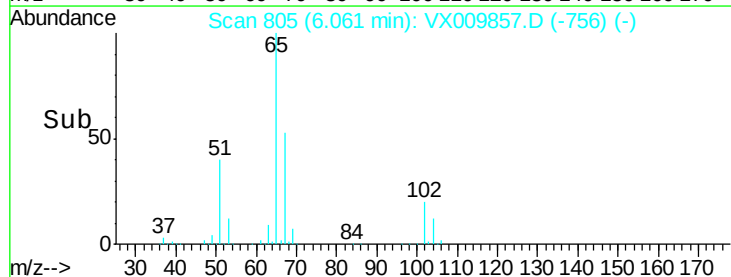
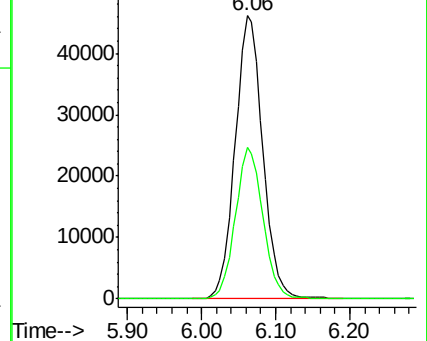
65 100

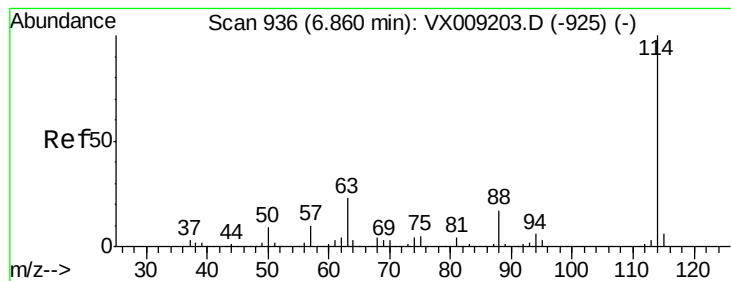
67 53.4 0.0 106.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX009857.D

Acq: 23 May 2019 14:44

Instrument :

MSVOA_X

ClientSampleId :

EP1-PZ-W1-2

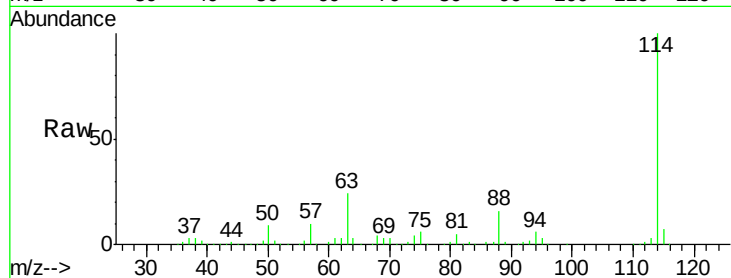
Tot Ion:114 Resp: 280784

Ion Ratio Lower Upper

114 100

63 24.2 0.0 45.6

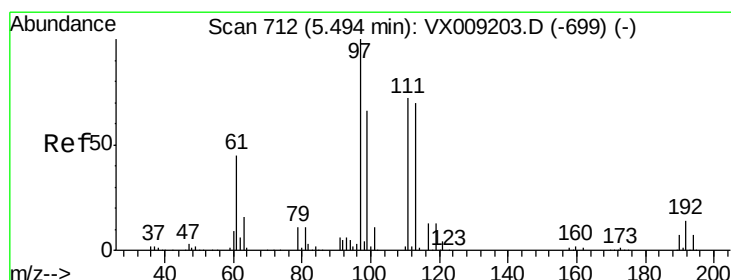
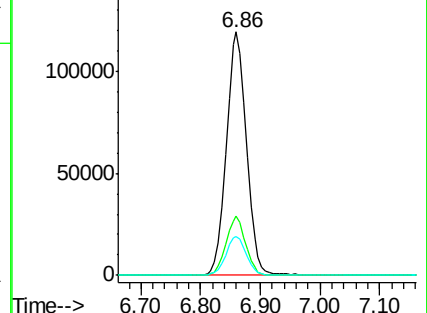
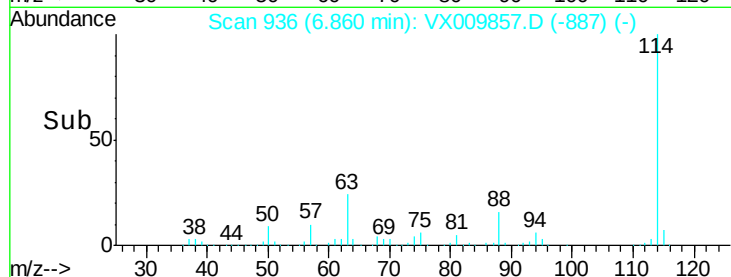
88 16.1 0.0 33.2



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: 48.937 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

Lab File: VX009857.D

Acq: 23 May 2019 14:44

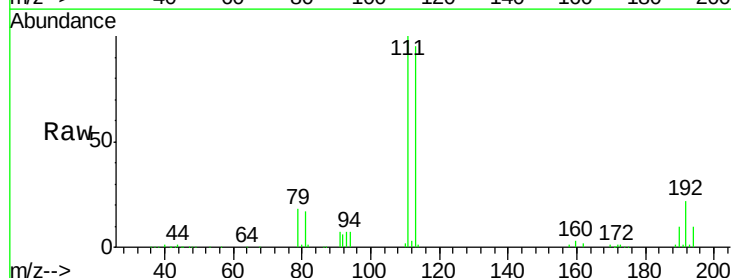
Tgt Ion:113 Resp: 86379

Ion Ratio Lower Upper

113 100

111 102.2 82.8 124.2

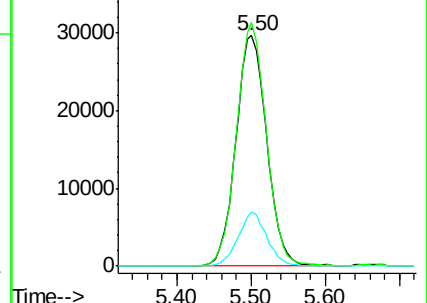
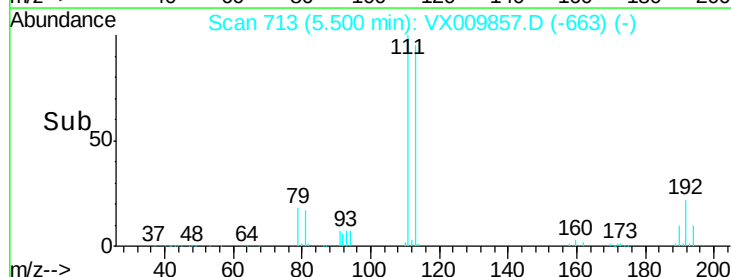
192 21.7 17.0 25.6

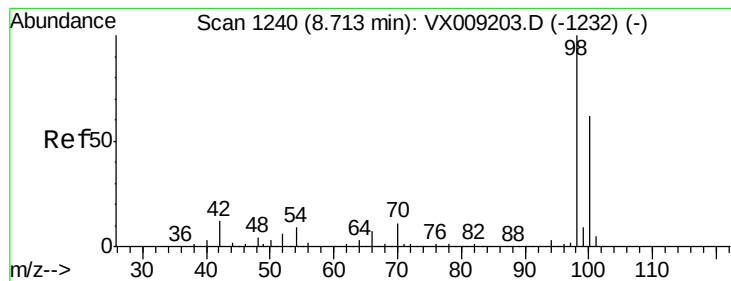


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 49.482 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX009857.D

Acq: 23 May 2019 14:44

Instrument :

MSVOA_X

ClientSampled :

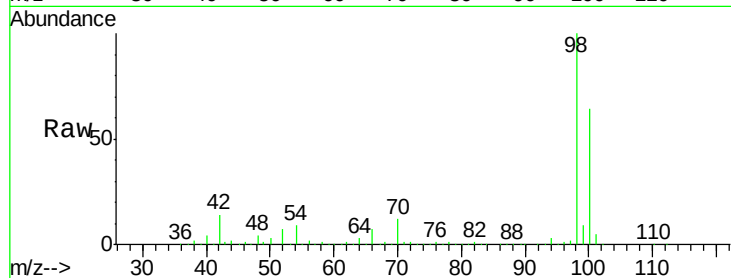
EP1-PZ-W1-2

Tot Ion: 98 Resp: 352623

Ion Ratio Lower Upper

98 100

100 63.9 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX

8.71

250000

200000

150000

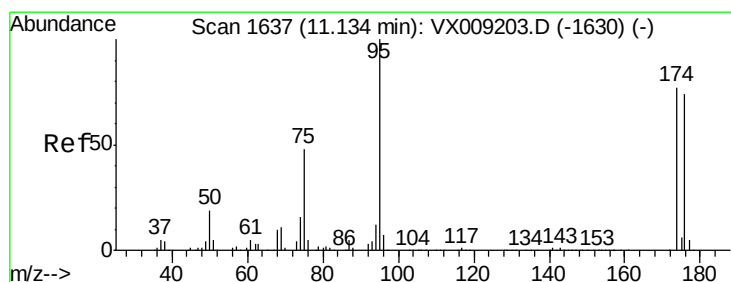
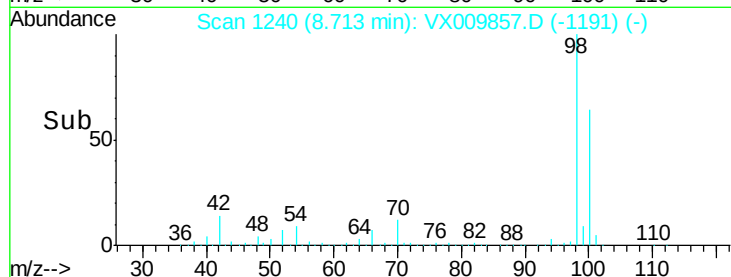
100000

50000

0

8.60 8.70 8.80 8.90

Time-->



#62

4-Bromofluorobenzene

Concen: 46.622 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009857.D

Acq: 23 May 2019 14:44

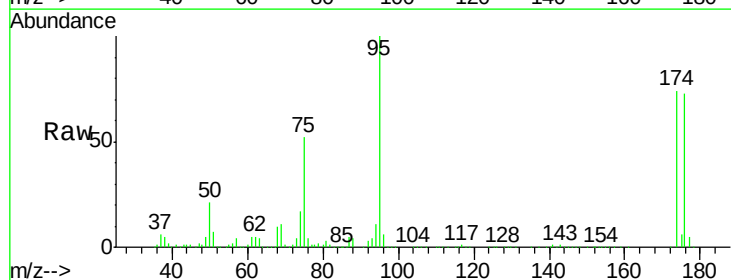
Tgt Ion: 95 Resp: 120724

Ion Ratio Lower Upper

95 100

174 79.8 0.0 161.6

176 77.5 0.0 159.2



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

120000

100000

80000

60000

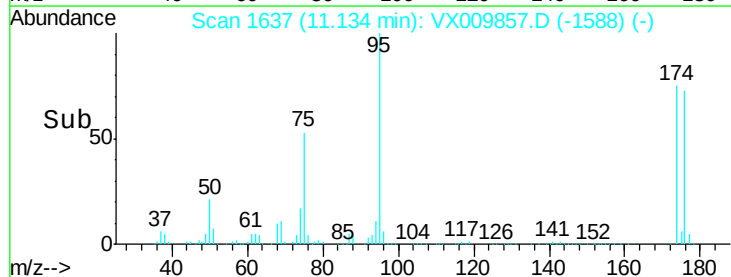
40000

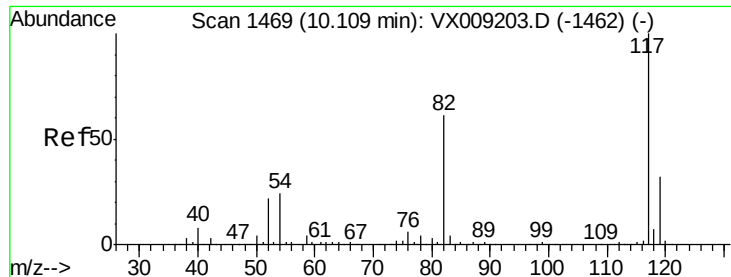
20000

0

11.10 11.13 11.16 11.19 11.22

Time-->

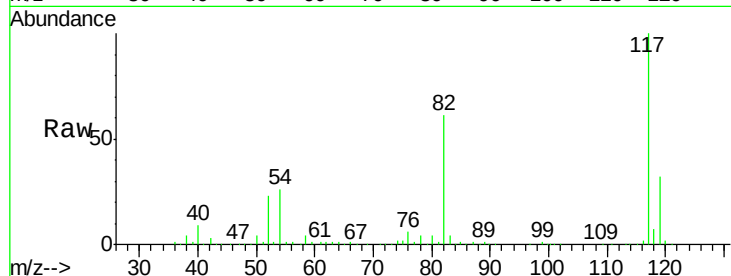




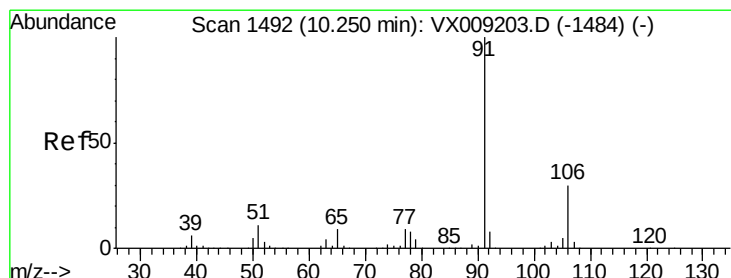
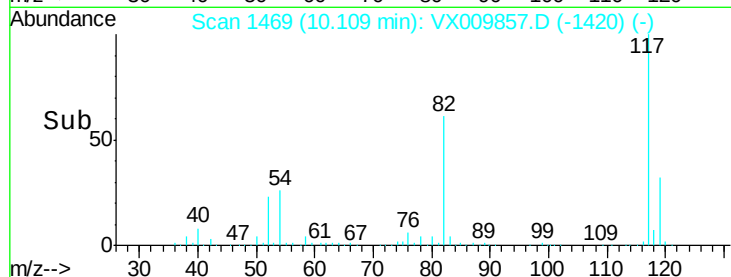
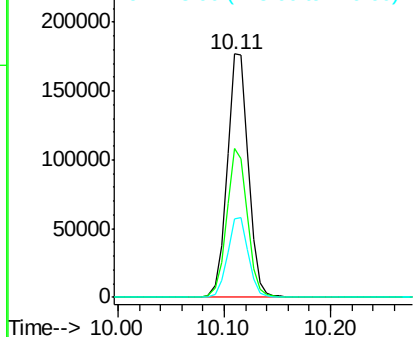
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX009857.D
Acq: 23 May 2019 14:44

Instrument :
MSVOA_X
ClientSampleId :
EP1-PZ-W1-2

Tot Ion:117 Resp: 246514
Ion Ratio Lower Upper
117 100
82 61.4 48.8 73.2
119 32.2 25.8 38.6

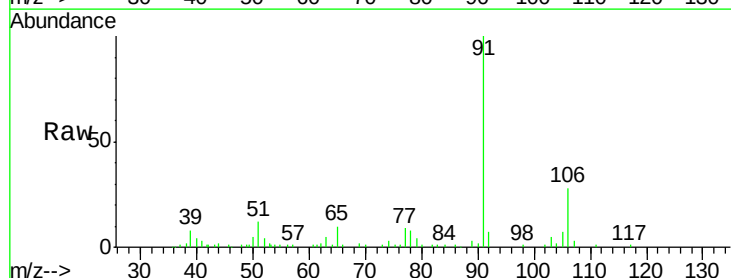


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

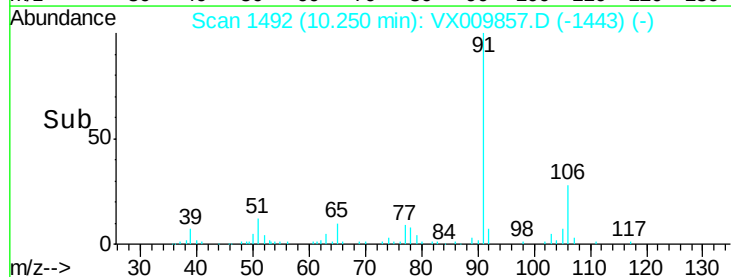
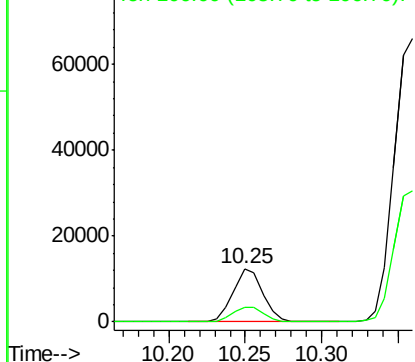


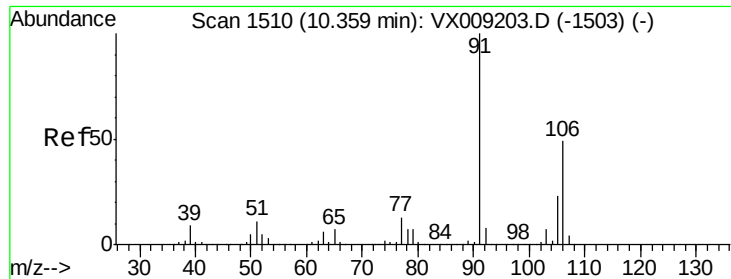
#67
Ethyl Benzene
Concen: 1.860 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX009857.D
Acq: 23 May 2019 14:44

Tgt Ion: 91 Resp: 16883
Ion Ratio Lower Upper
91 100
106 28.5 24.0 36.0



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

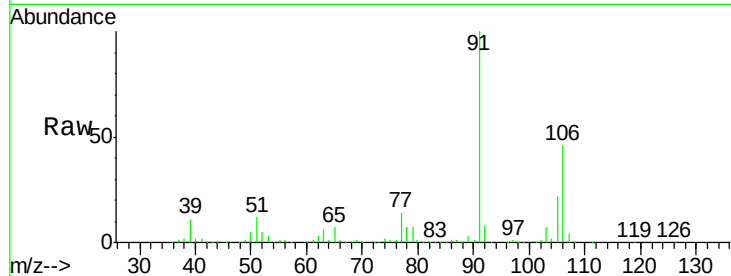




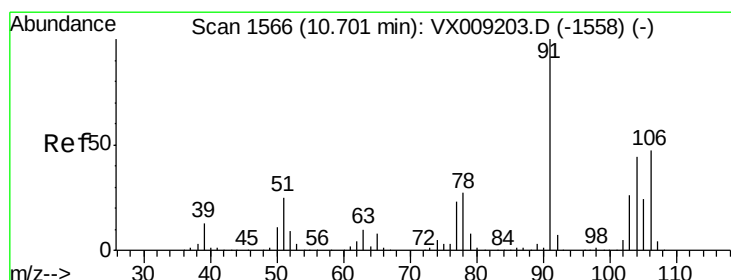
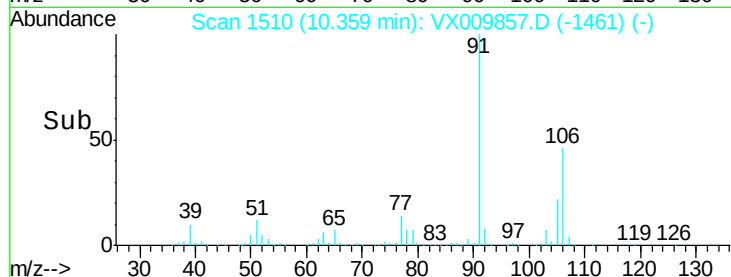
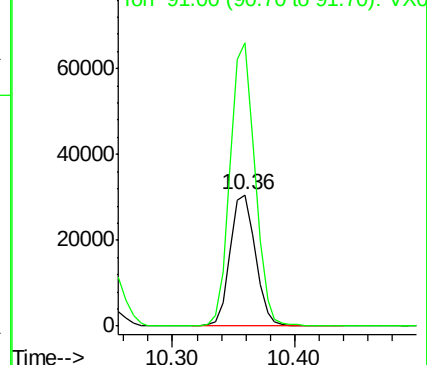
#68
m/p-Xylenes
Concen: 13.206 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX009857.D
Acq: 23 May 2019 14:44

Instrument :
MSVOA_X
ClientSampleId :
EP1-PZ-W1-2

Tot Ion:106 Resp: 43799
Ion Ratio Lower Upper
106 100
91 212.2 164.0 246.0

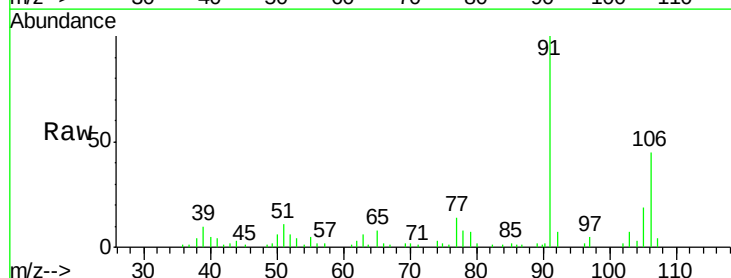


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

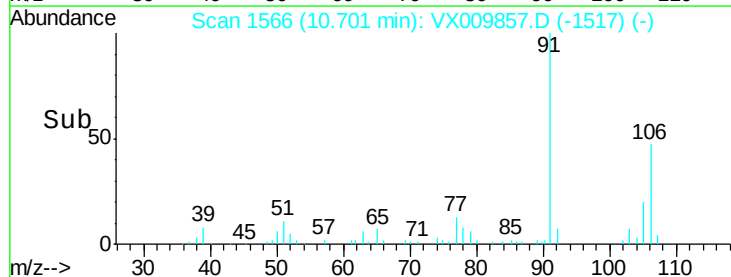
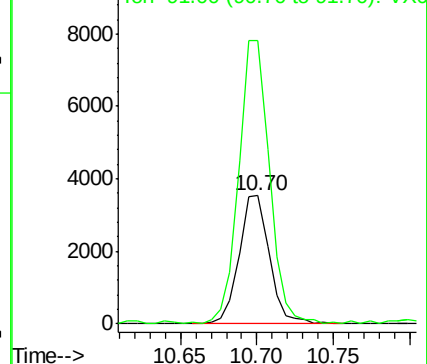


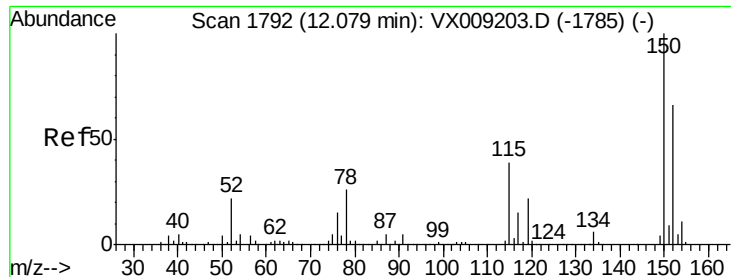
#69
o-Xylene
Concen: 1.491 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX009857.D
Acq: 23 May 2019 14:44

Tgt Ion:106 Resp: 4878
Ion Ratio Lower Upper
106 100
91 224.3 109.5 328.4



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



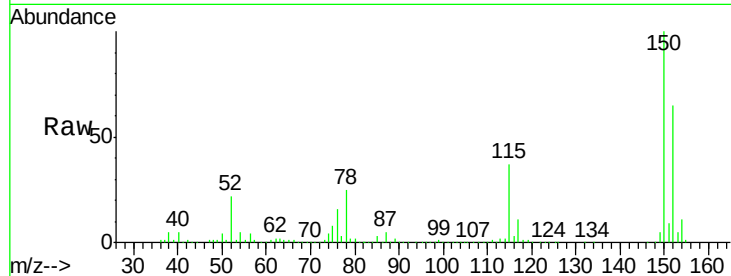


#72

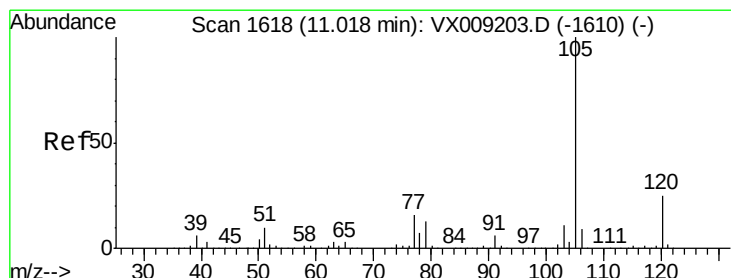
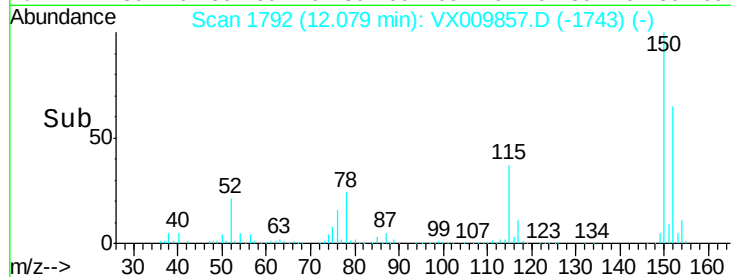
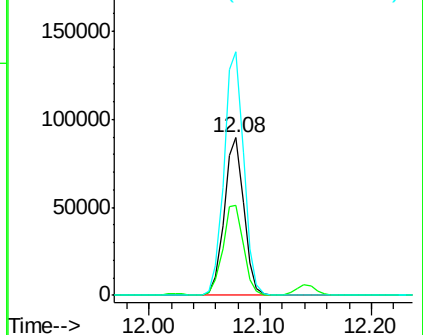
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX009857.D
Acq: 23 May 2019 14:44

Instrument :
MSVOA_X
ClientSampleId :
EP1-PZ-W1-2

Tot Ion	Ratio	Lower	Upper
152	100		
115	59.6	41.2	123.6
150	156.3	0.0	346.4



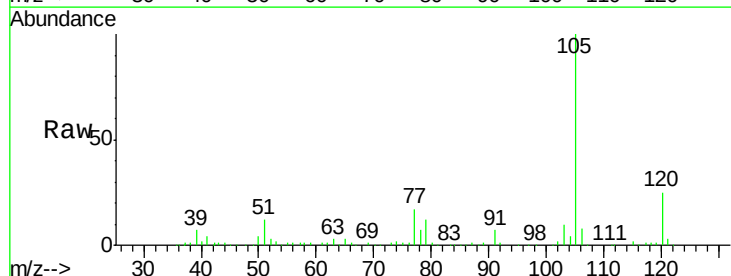
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



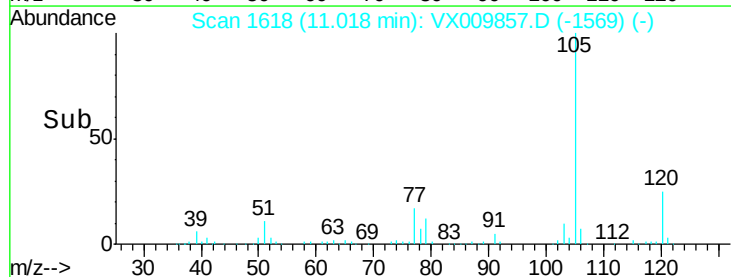
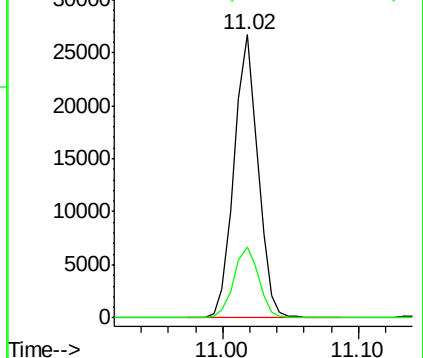
#73

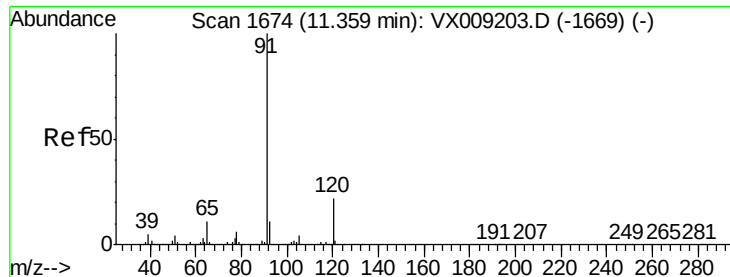
Isopropylbenzene
Concen: 4.152 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX009857.D
Acq: 23 May 2019 14:44

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.3	12.8	38.3



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 7.044 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX009857.D

Acq: 23 May 2019 14:44

Instrument :

MSVOA_X

ClientSampled :

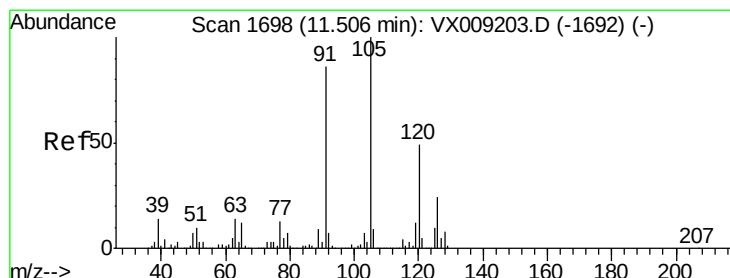
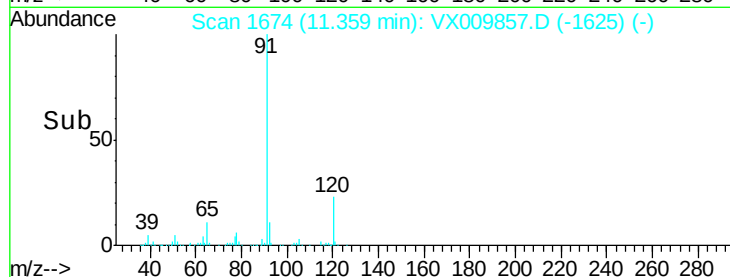
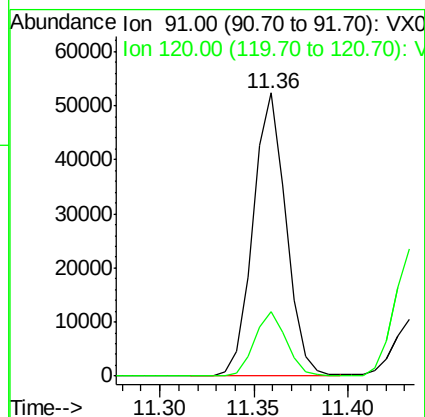
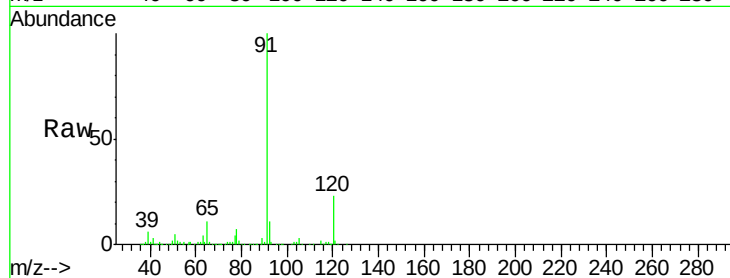
EP1-PZ-W1-2

Tot Ion: 91 Resp: 63449

Ion Ratio Lower Upper

91 100

120 22.0 11.0 33.0



#80

1,3,5-Trimethylbenzene

Concen: 13.063 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX009857.D

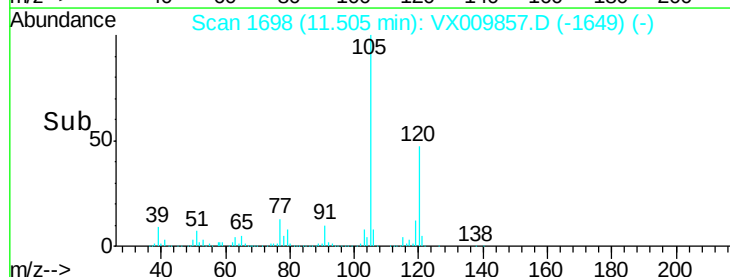
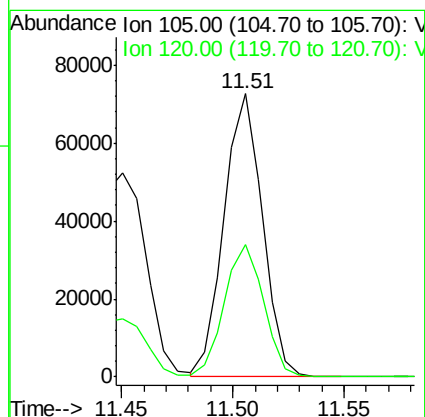
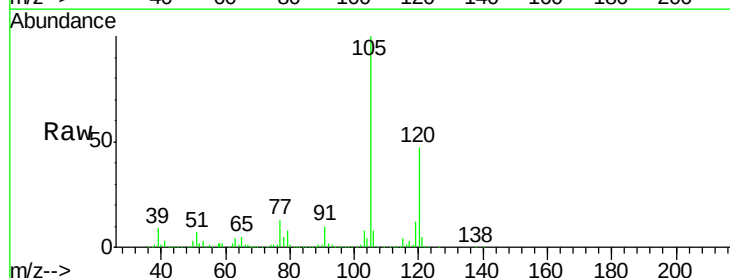
Acq: 23 May 2019 14:44

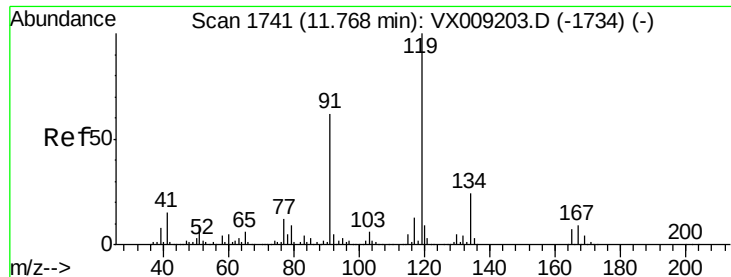
Tgt Ion: 105 Resp: 86753

Ion Ratio Lower Upper

105 100

120 48.2 24.3 72.9

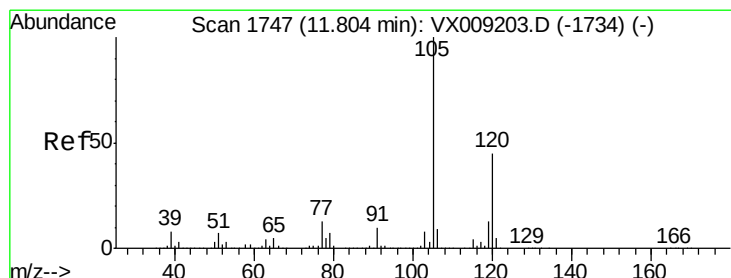
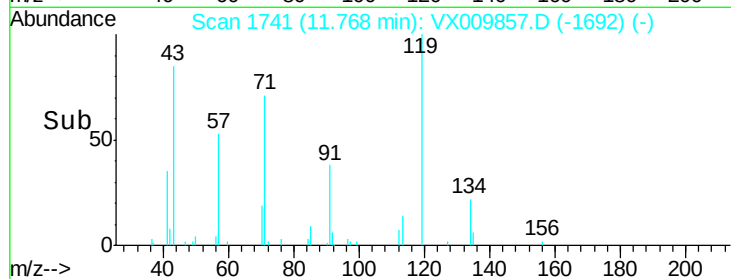
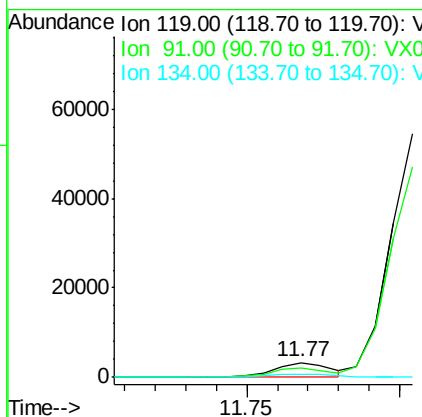
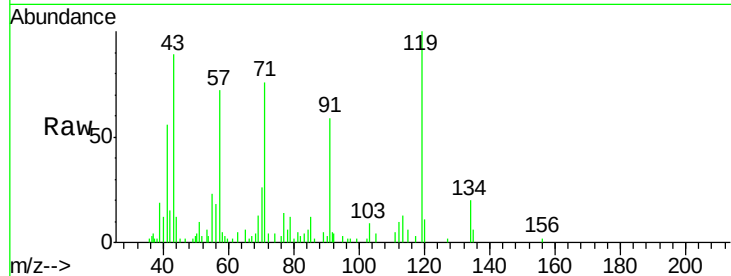




#83
 tert-Butylbenzene
 Concen: 0.630 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX009857.D
 Acq: 23 May 2019 14:44

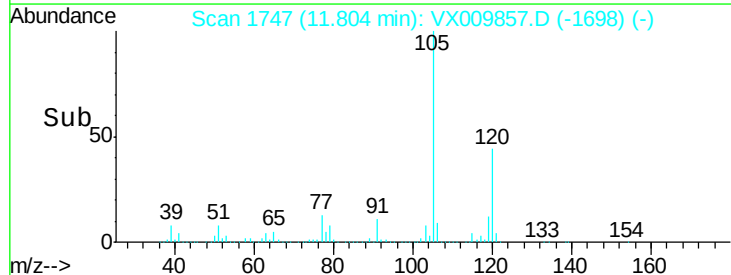
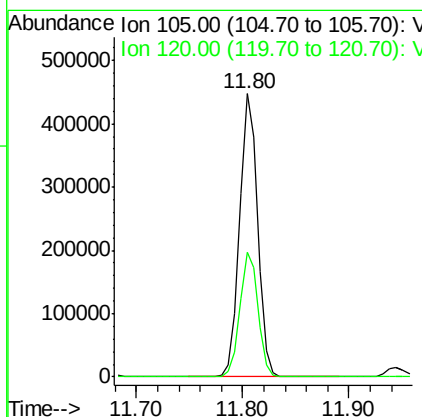
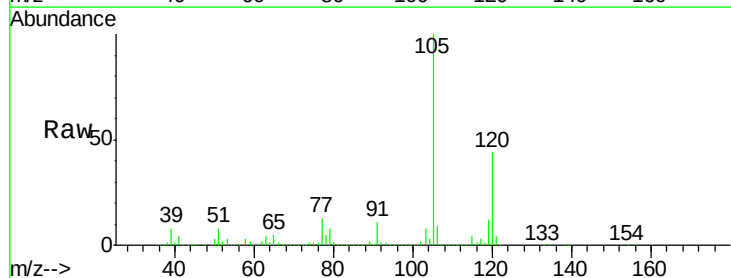
Instrument :
 MSVOA_X
 ClientSampleId :
 EP1-PZ-W1-2

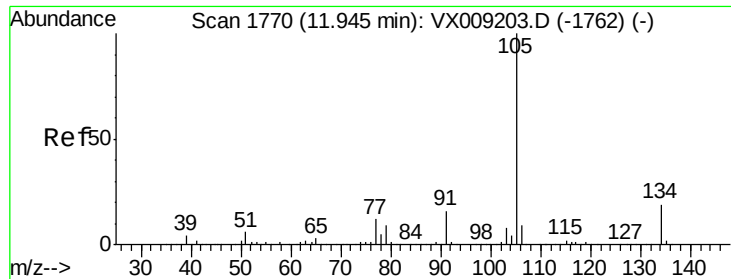
Tot Ion:119 Resp: 4071
 Ion Ratio Lower Upper
 119 100
 91 69.2 29.5 88.5
 134 25.3 11.4 34.1



#84
 1,2,4-Trimethylbenzene
 Concen: 79.929 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.00 min
 Lab File: VX009857.D
 Acq: 23 May 2019 14:44

Tgt Ion:105 Resp: 532795
 Ion Ratio Lower Upper
 105 100
 120 44.3 22.0 66.0

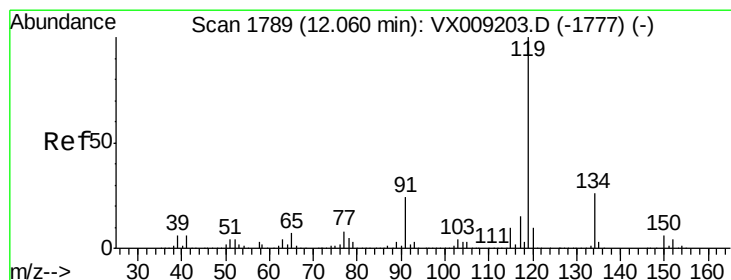
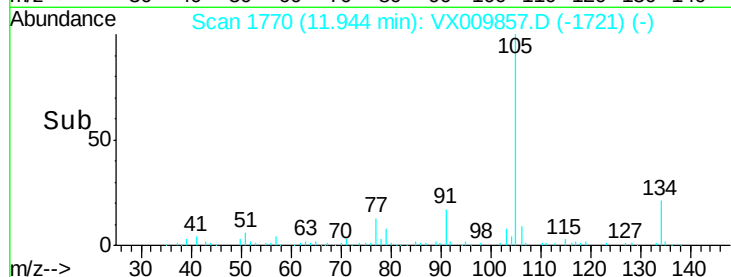
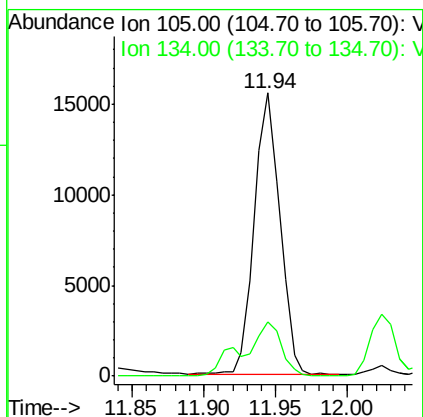
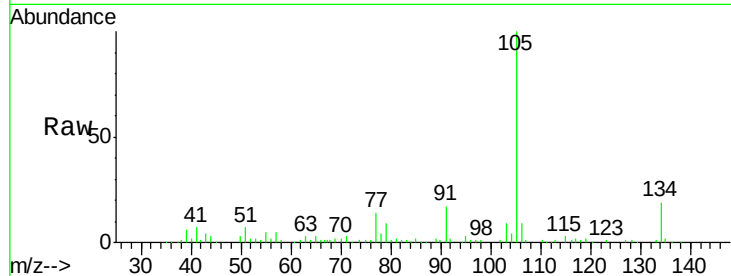




#85
 sec-Butylbenzene
 Concen: 2.492 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.00 min
 Lab File: VX009857.D
 Acq: 23 May 2019 14:44

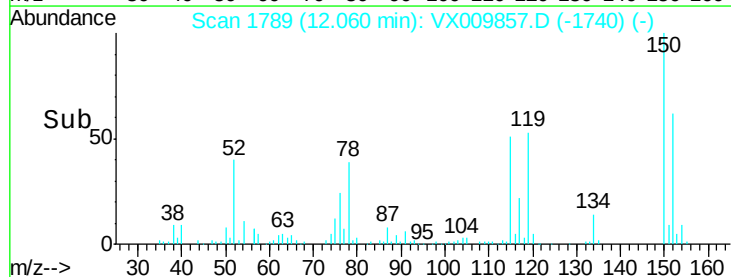
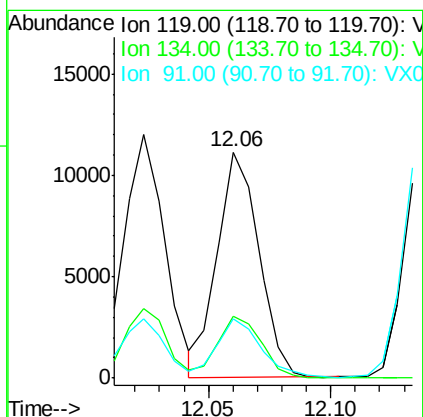
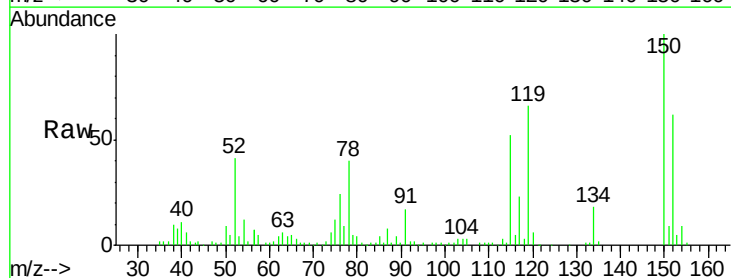
Instrument :
 MSVOA_X
 ClientSampled :
 EP1-PZ-W1-2

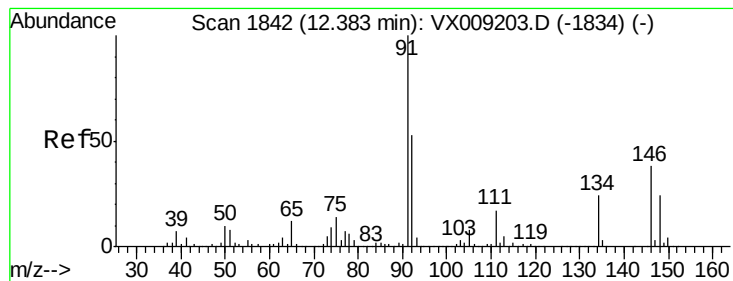
Tot Ion:105 Resp: 19083
 Ion Ratio Lower Upper
 105 100
 134 19.8 9.7 28.9



#86
 p-Isopropyltoluene
 Concen: 1.913 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. -0.00 min
 Lab File: VX009857.D
 Acq: 23 May 2019 14:44

Tgt Ion:119 Resp: 13171
 Ion Ratio Lower Upper
 119 100
 134 28.6 12.9 38.7
 91 28.2 11.8 35.4





#89

n-Butylbenzene

Concen: 2.451 ug/l

RT: 12.38 min Scan# 1842

Delta R.T. -0.00 min

Lab File: VX009857.D

Acq: 23 May 2019 14:44

Instrument :

MSVOA_X

ClientSampled :

EP1-PZ-W1-2

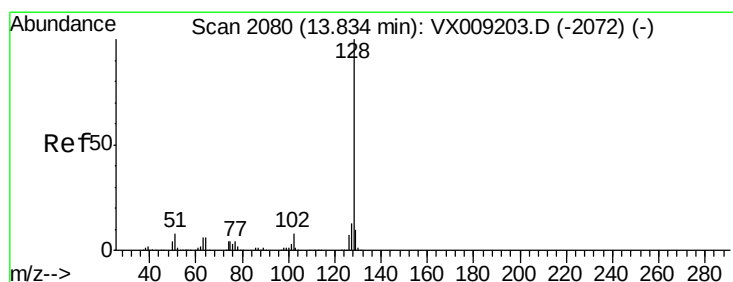
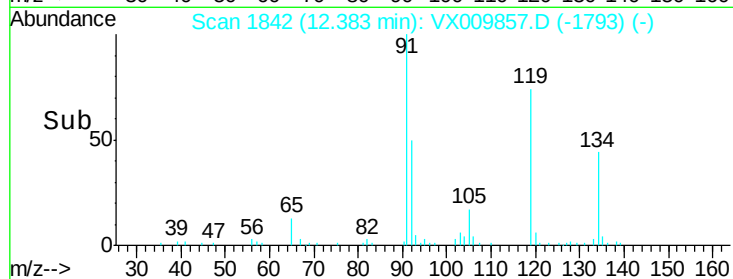
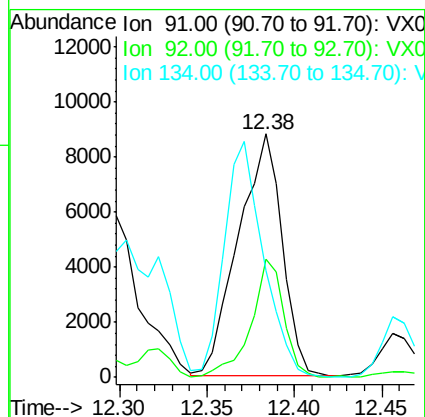
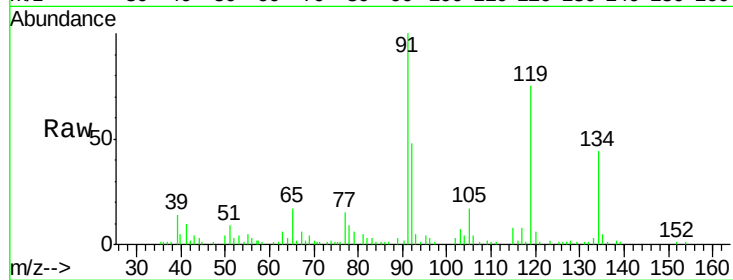
Tot Ion: 91 Resp: 15252

Ion Ratio Lower Upper

91 100

92 36.7 26.5 79.5

134 87.7 12.4 37.2#



#95

Naphthalene

Concen: 6.112 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX009857.D

Acq: 23 May 2019 14:44

Tgt Ion: 128 Resp: 48333

Ion Ratio Lower Upper

128 100

127 13.8 10.4 15.6

129 11.4 8.6 13.0

