

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX062918\
 Data File : VX003059.D
 Acq On : 30 Jun 2018 05:09
 Operator : JC/MD
 Sample : J3675-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S81-0098

Quant Time: Jun 30 05:54:47 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 14:38:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	310654	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	420864	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	395036	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	235236	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	193594	45.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.18%	
35) Dibromofluoromethane	5.51	113	157594	47.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.56%	
50) Toluene-d8	8.72	98	590967	48.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.12%	
62) 4-Bromofluorobenzene	11.14	95	217370	46.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.62%	

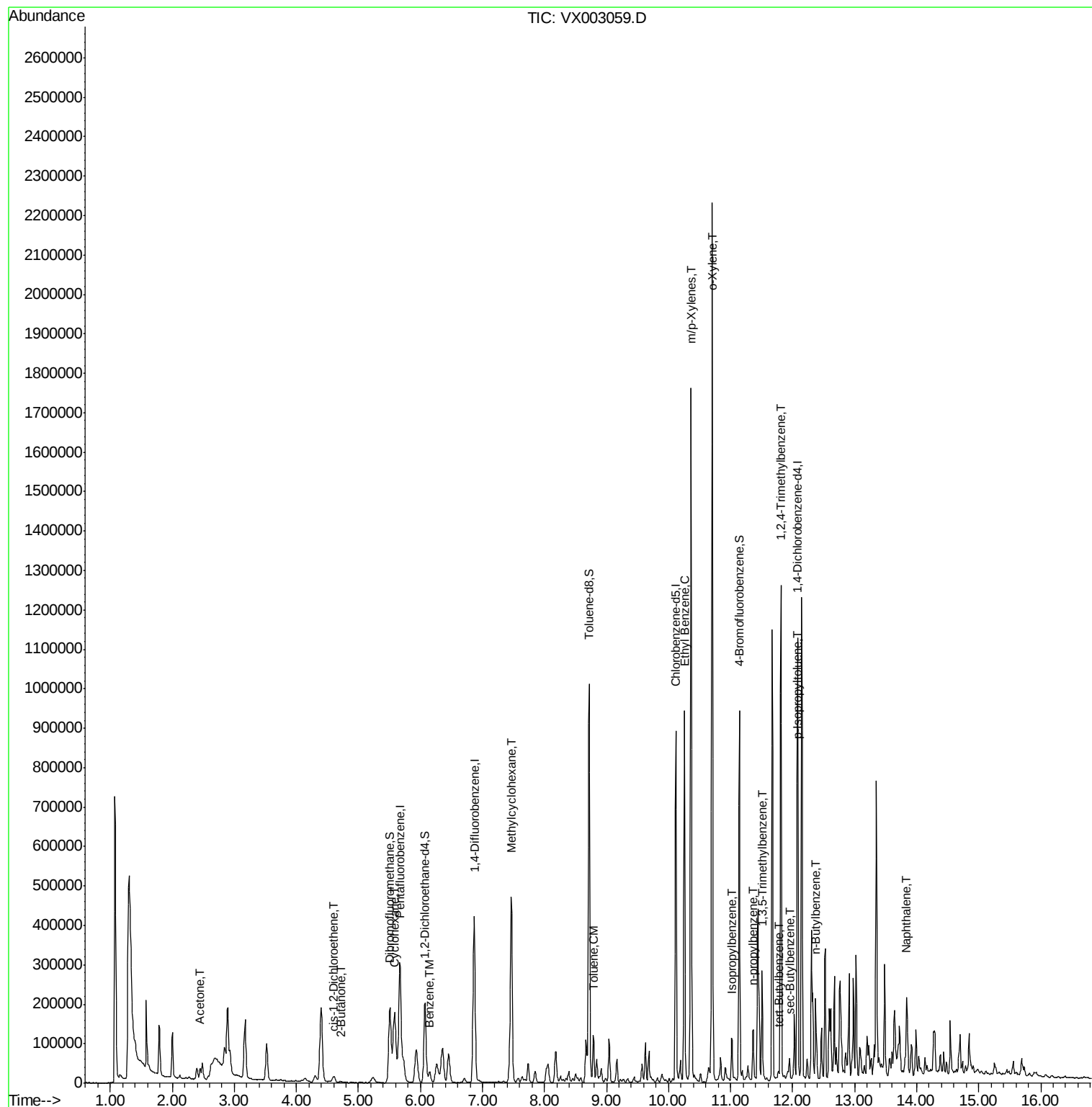
Target Compounds					Qvalue	
16) Acetone	2.45	43	30213	16.99	ug/l	97
25) 2-Butanone	4.71	43	5110	1.94	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	8858	2.37	ug/l	81
31) Cyclohexane	5.58	56	120750	22.42	ug/l	96
39) Methylcyclohexane	7.46	83	200556	37.31	ug/l	99
40) Benzene	6.15	78	31037	2.31	ug/l	98
52) Toluene	8.79	92	43044	5.01	ug/l	98
67) Ethyl Benzene	10.26	91	526629	31.77	ug/l	100
68) m/p-Xylenes	10.36	106	397412	62.21	ug/l	100
69) o-Xylene	10.70	106	461693	74.23	ug/l	99
73) Isopropylbenzene	11.02	105	56891	3.60	ug/l	97
78) n-propylbenzene	11.37	91	77831	4.32	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	123261	9.25	ug/l	99
83) tert-Butylbenzene	11.77	119	4512	0.34	ug/l #	40
84) 1,2,4-Trimethylbenzene	11.81	105	534440	38.70	ug/l	98
85) sec-Butylbenzene	11.95	105	23192	1.46	ug/l	79
86) p-Isopropyltoluene	12.07	119	29150	2.03	ug/l	97
89) n-Butylbenzene	12.38	91	23684	1.90	ug/l #	14
95) Naphthalene	13.84	128	125452	7.79	ug/l #	96

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

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.00 min

Lab File: VX003059.D

Acq: 30 Jun 2018 05:09

Instrument :

MSVOA_X

ClientSampleId :

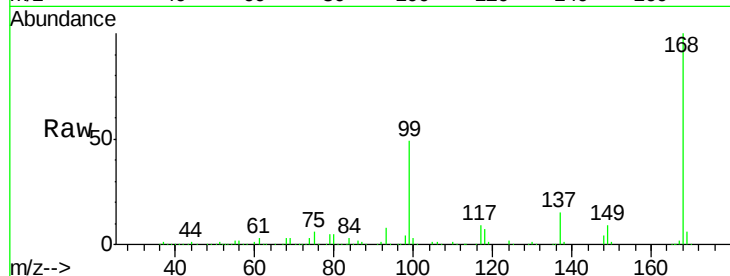
S81-0098

Tot Ion:168 Resp: 310654

Ion Ratio Lower Upper

168 100

99 49.3 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

120000

100000

80000

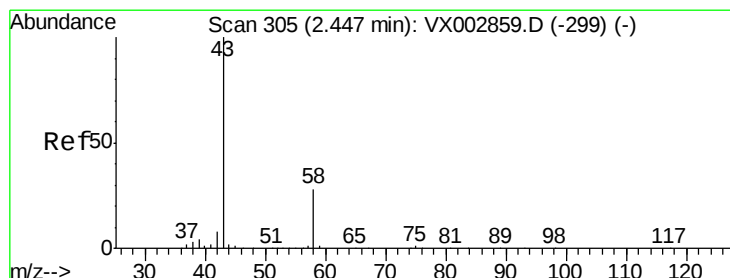
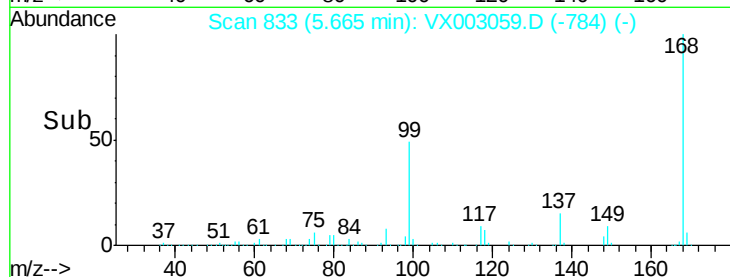
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#16

Acetone

Concen: 16.99 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.00 min

Lab File: VX003059.D

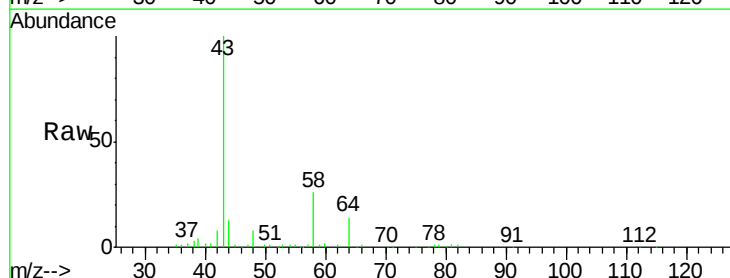
Acq: 30 Jun 2018 05:09

Tgt Ion: 43 Resp: 30213

Ion Ratio Lower Upper

43 100

58 25.8 22.1 33.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.45

20000

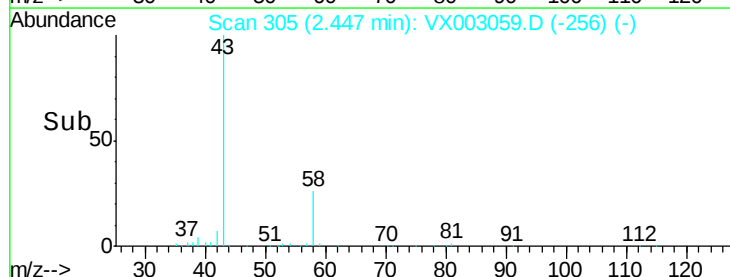
15000

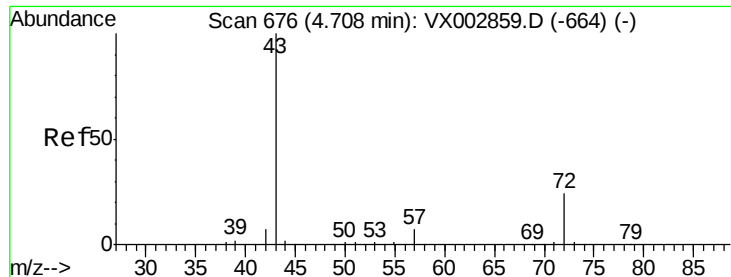
10000

5000

0

Time--> 2.40 2.45 2.50 2.55





#25

2-Butanone

Concen: 1.94 ug/l

RT: 4.71 min Scan# 676

Delta R.T. -0.00 min

Lab File: VX003059.D

Acq: 30 Jun 2018 05:09

Instrument :

MSVOA_X

ClientSampleId :

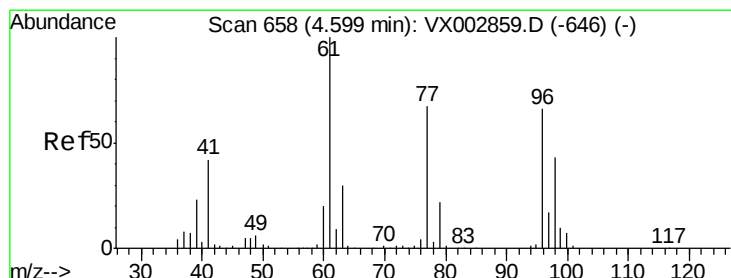
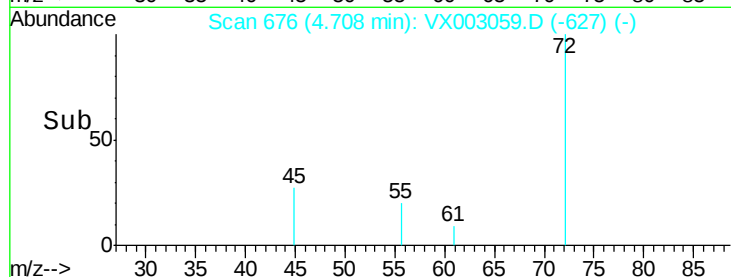
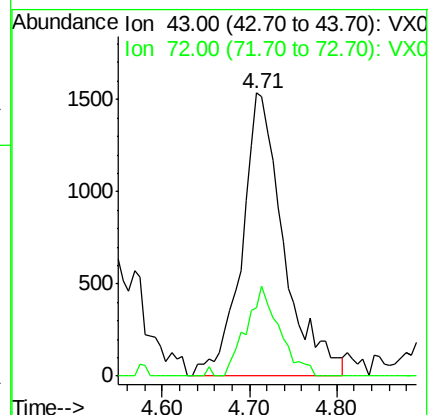
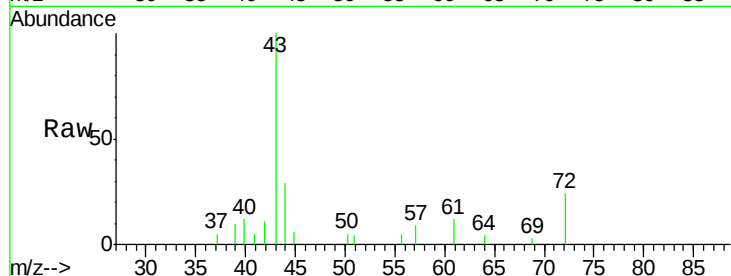
S81-0098

Tot Ion: 43 Resp: 5110

Ion Ratio Lower Upper

43 100

72 24.0 18.5 27.7



#27

cis-1,2-Dichloroethene

Concen: 2.37 ug/l

RT: 4.60 min Scan# 658

Delta R.T. -0.00 min

Lab File: VX003059.D

Acq: 30 Jun 2018 05:09

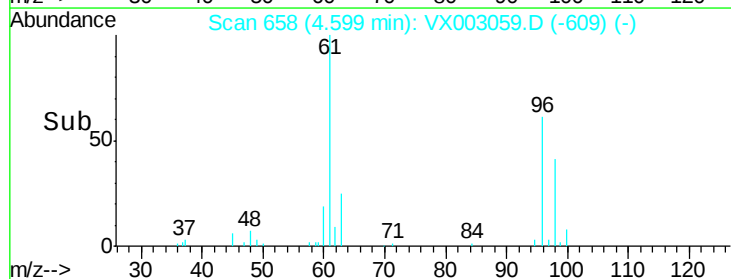
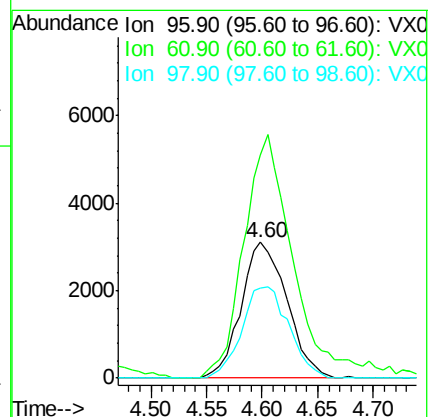
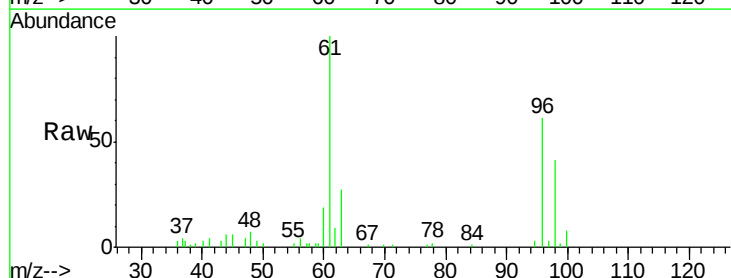
Tgt Ion: 96 Resp: 8858

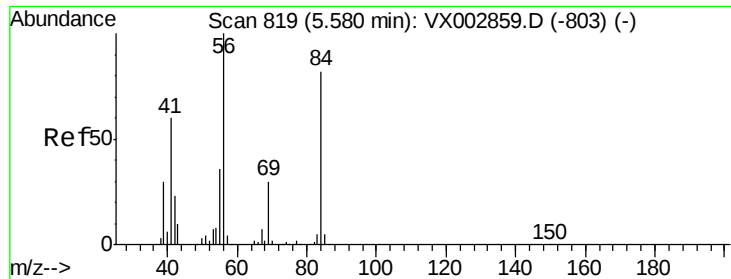
Ion Ratio Lower Upper

96 100

61 198.3 0.0 330.2

98 69.3 0.0 130.2

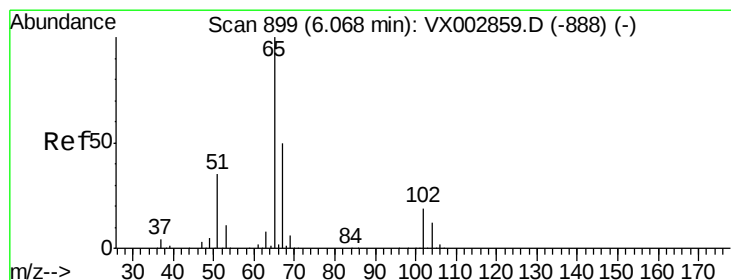
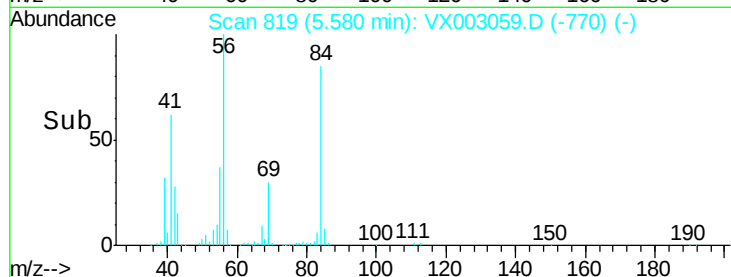
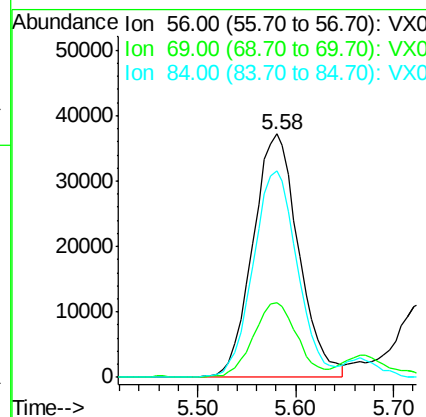
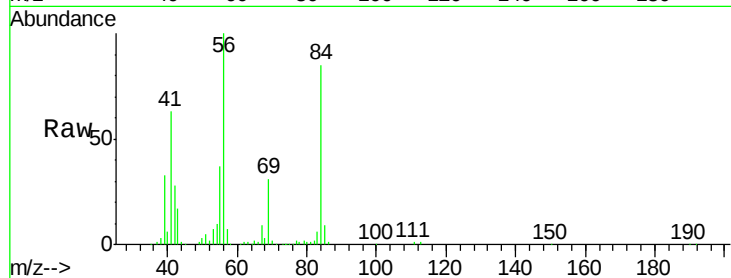




#31
Cyclohexane
Concen: 22.42 ug/l
RT: 5.58 min Scan# 819
Delta R.T. -0.00 min
Lab File: VX003059.D
Acq: 30 Jun 2018 05:09

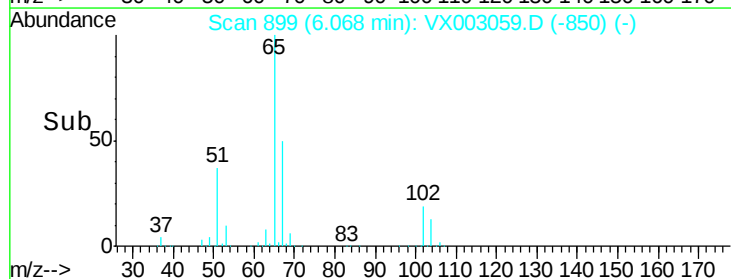
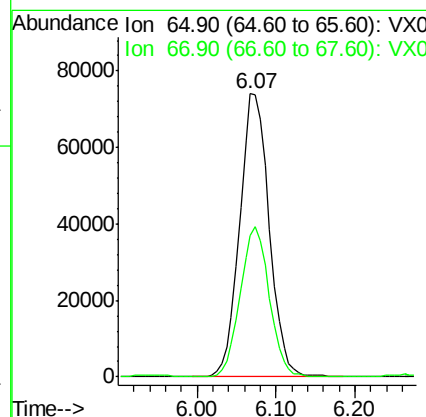
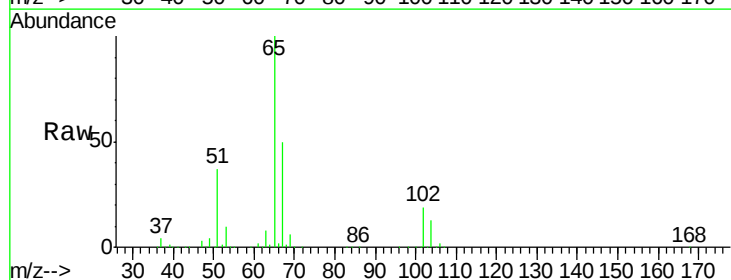
Instrument :
MSVOA_X
ClientSampleId :
S81-0098

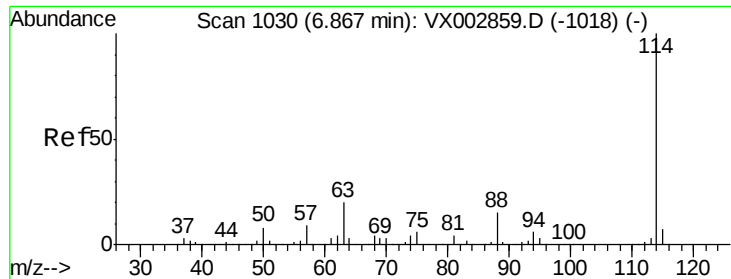
Tot Ion: 56 Resp: 120750
Ion Ratio Lower Upper
56 100
69 30.4 23.7 35.5
84 85.0 64.1 96.1



#33
1,2-Dichloroethane-d4
Concen: 45.09 ug/l
RT: 6.07 min Scan# 899
Delta R.T. 0.00 min
Lab File: VX003059.D
Acq: 30 Jun 2018 05:09

Tgt Ion: 65 Resp: 193594
Ion Ratio Lower Upper
65 100
67 52.2 0.0 102.6

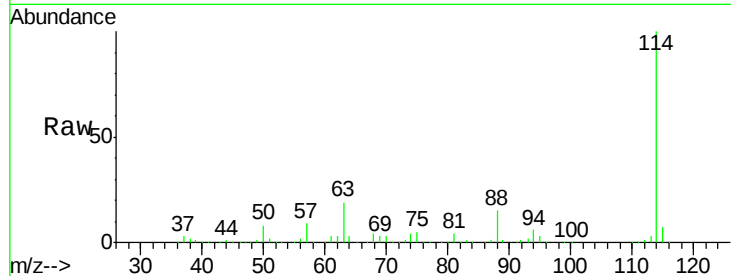




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX003059.D
 Acq: 30 Jun 2018 05:09

Instrument :
 MSVOA_X
 ClientSampleId :
 S81-0098

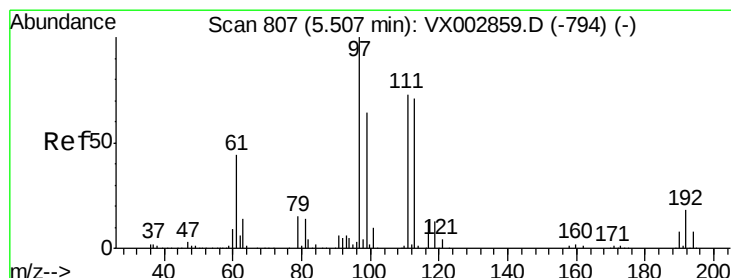
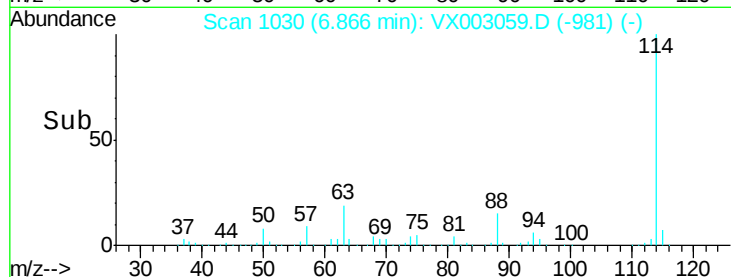
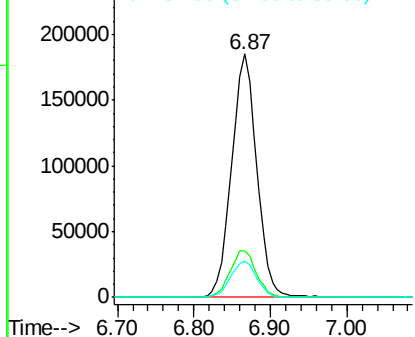
Tot Ion	Ratio	Lower	Upper
114	100		
63	18.8	0.0	41.4
88	14.8	0.0	30.0



Abundance Ion 113.90 (113.60 to 114.60): V

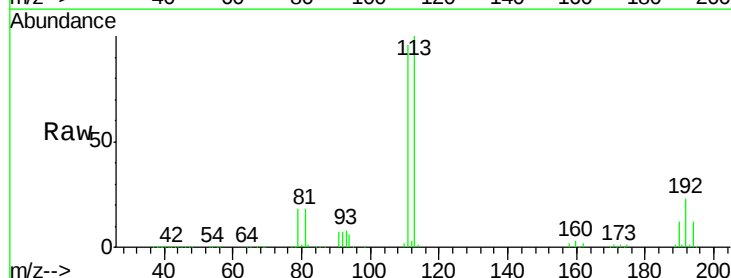
Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35
 Dibromofluoromethane
 Concen: 47.28 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. 0.01 min
 Lab File: VX003059.D
 Acq: 30 Jun 2018 05:09

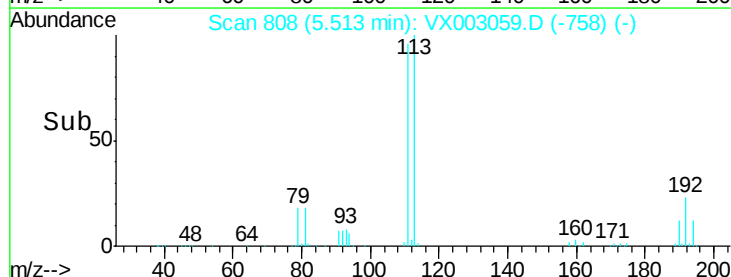
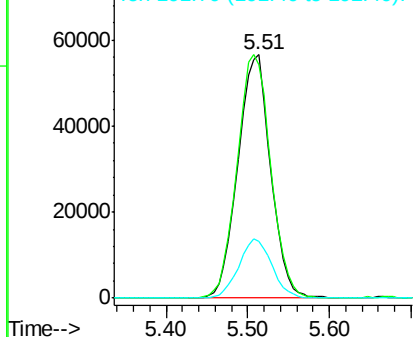
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.9	81.4	122.0
192	24.7	19.1	28.7

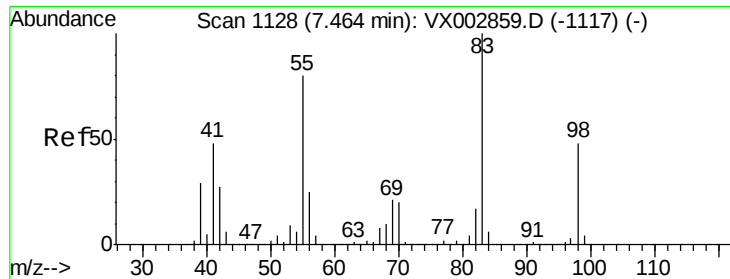


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

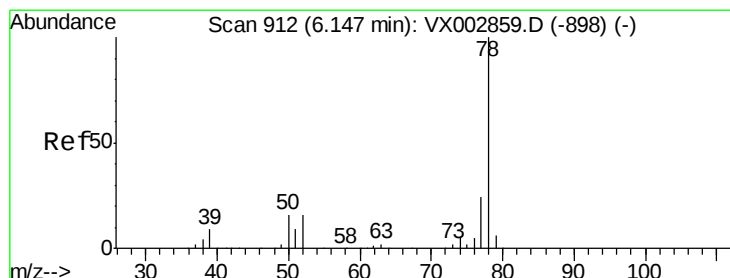
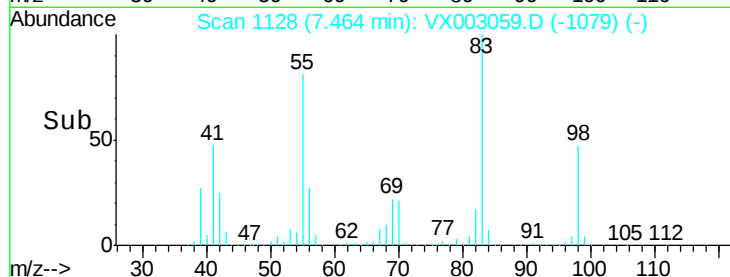
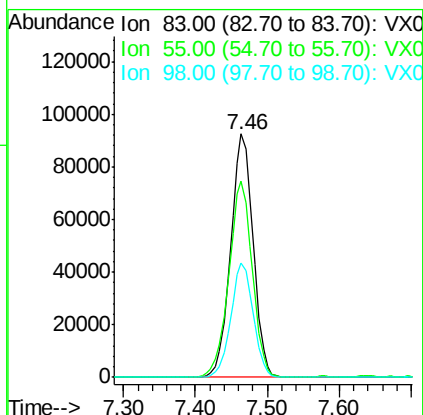
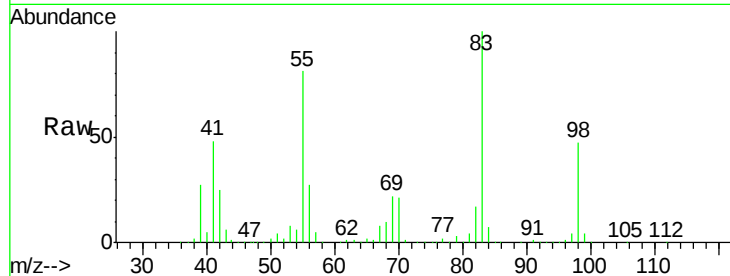




#39
Methvlcvclohexane
Concen: 37.31 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX003059.D
Acq: 30 Jun 2018 05:09

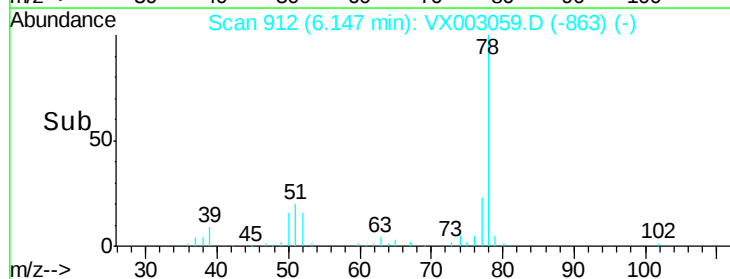
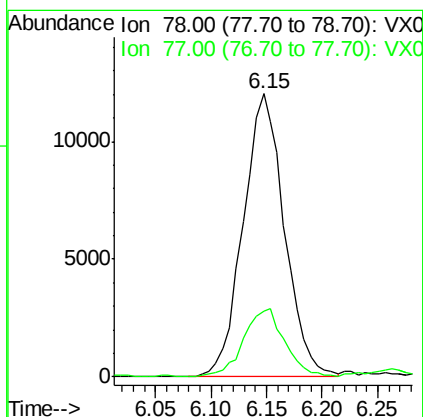
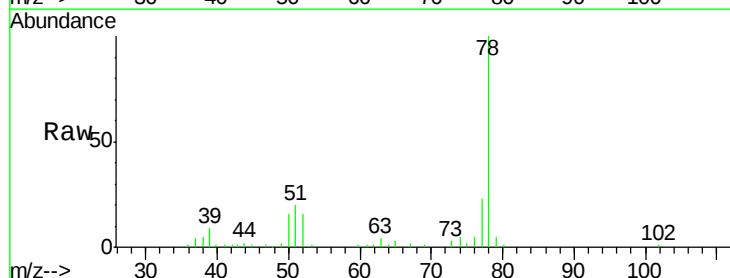
Instrument :
MSVOA_X
ClientSampleId :
S81-0098

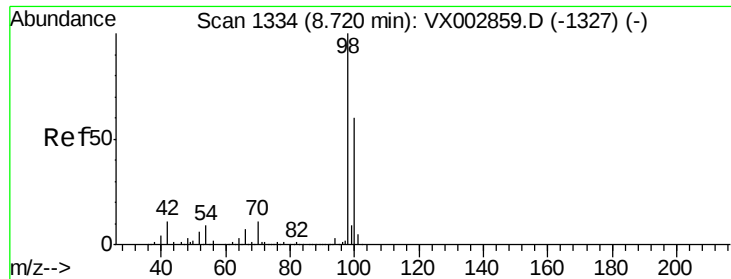
Tot Ion: 83 Resp: 200556
Ion Ratio Lower Upper
83 100
55 80.5 65.4 98.0
98 47.2 37.4 56.0



#40
Benzene
Concen: 2.31 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.00 min
Lab File: VX003059.D
Acq: 30 Jun 2018 05:09

Tgt Ion: 78 Resp: 31037
Ion Ratio Lower Upper
78 100
77 23.1 19.1 28.7





#50

Toluene-d8

Concen: 48.56 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX003059.D

Acq: 30 Jun 2018 05:09

Instrument :

MSVOA_X

ClientSampleId :

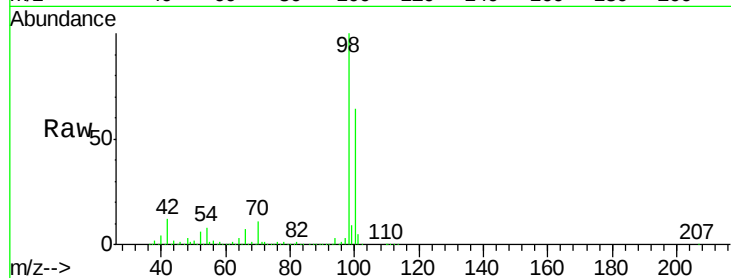
S81-0098

Tot Ion: 98 Resp: 590967

Ion Ratio Lower Upper

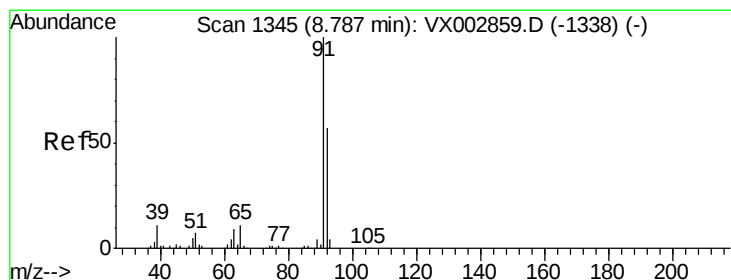
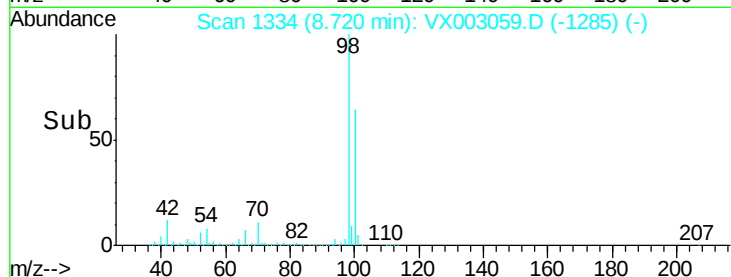
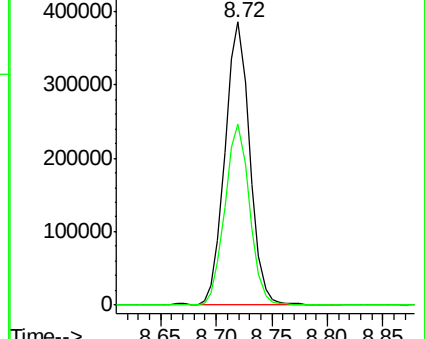
98 100

100 64.4 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#52

Toluene

Concen: 5.01 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX003059.D

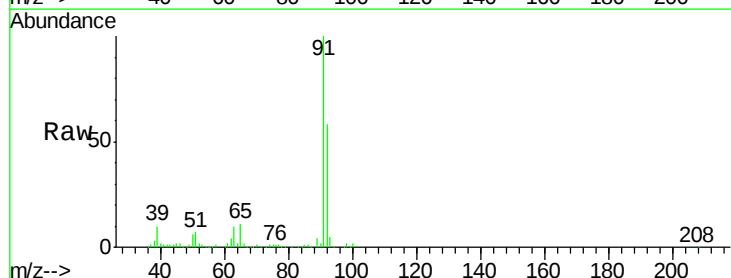
Acq: 30 Jun 2018 05:09

Tgt Ion: 92 Resp: 43044

Ion Ratio Lower Upper

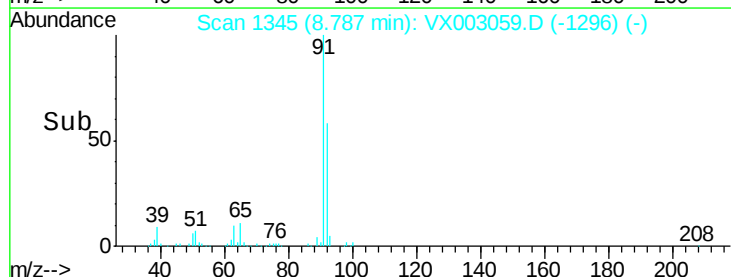
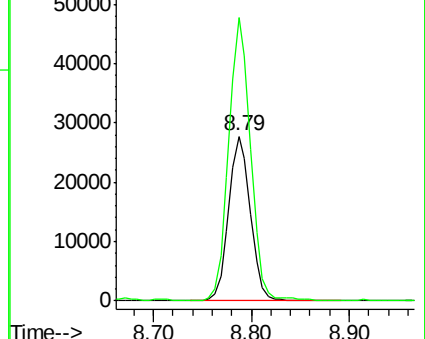
92 100

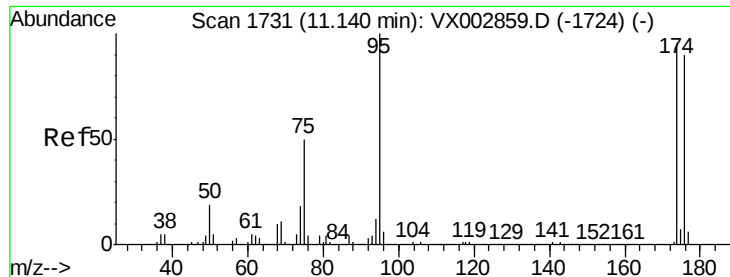
91 172.7 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

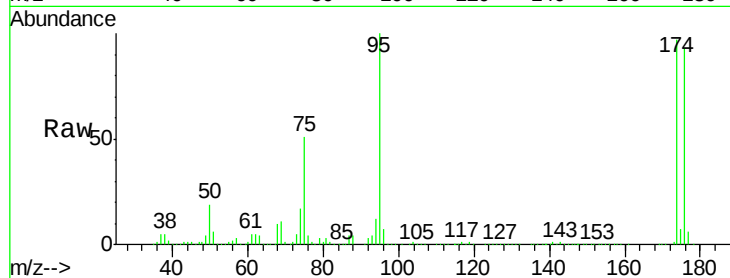




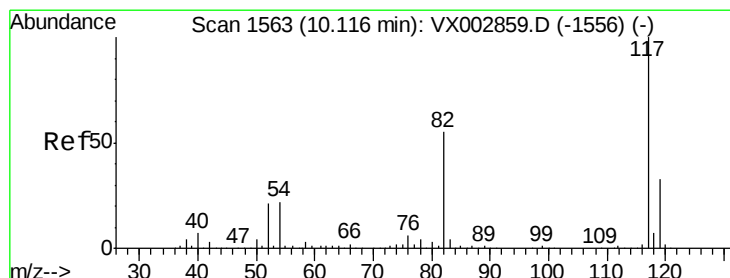
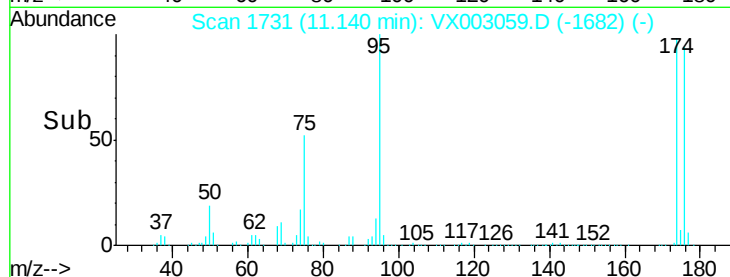
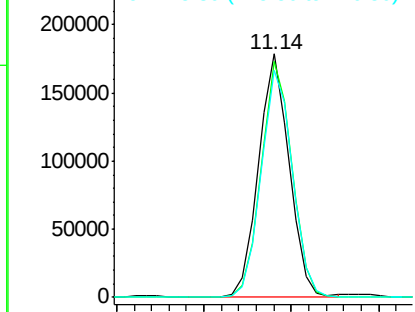
#62
4-Bromofluorobenzene
Concen: 46.31 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX003059.D
Acq: 30 Jun 2018 05:09

Instrument :
MSVOA_X
ClientSampleId :
S81-0098

Tot Ion	95	Resp	217370
Ion	Ratio	Lower	Upper
95	100		
174	98.0	0.0	187.4
176	95.5	0.0	181.0

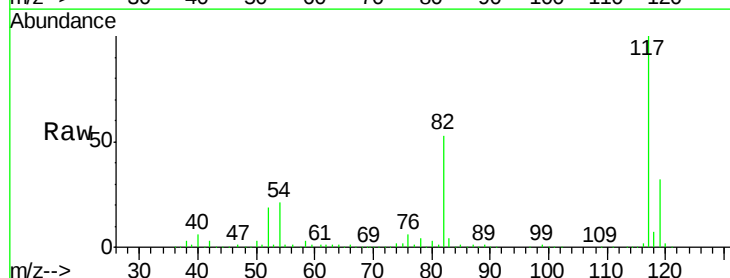


Abundance Ion 94.90 (94.60 to 95.60): VX002859.D (-1724) (-)
Ion 173.80 (173.50 to 174.50): VX002859.D (-1724) (-)
Ion 175.80 (175.50 to 176.50): VX002859.D (-1724) (-)

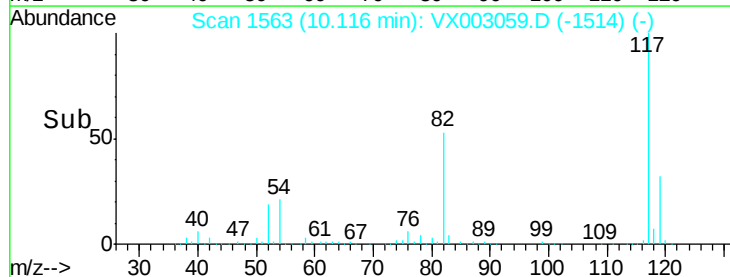
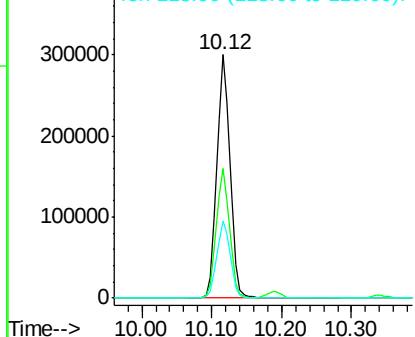


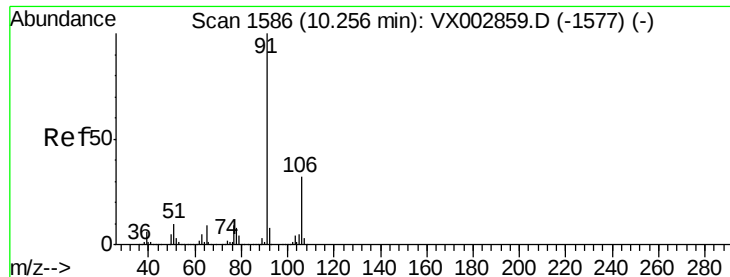
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX003059.D
Acq: 30 Jun 2018 05:09

Tgt Ion	117	Resp	395036
Ion	Ratio	Lower	Upper
117	100		
82	53.5	45.0	67.4
119	32.0	25.8	38.6



Abundance Ion 116.90 (116.60 to 117.60): VX002859.D (-1556) (-)
Ion 82.00 (81.70 to 82.70): VX002859.D (-1556) (-)
Ion 118.90 (118.60 to 119.60): VX002859.D (-1556) (-)





#67

Ethyl Benzene

Concen: 31.77 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VX003059.D

Acq: 30 Jun 2018 05:09

Instrument :

MSVOA_X

ClientSampleId :

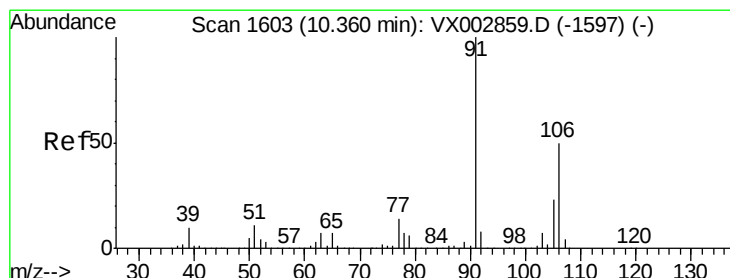
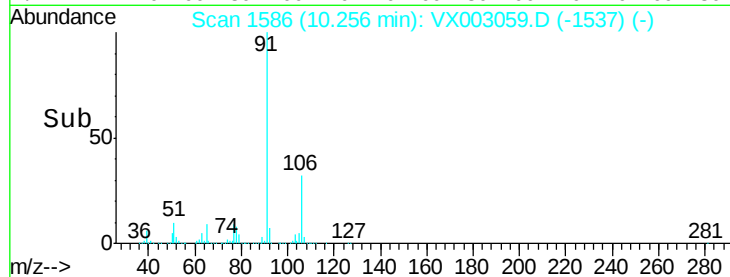
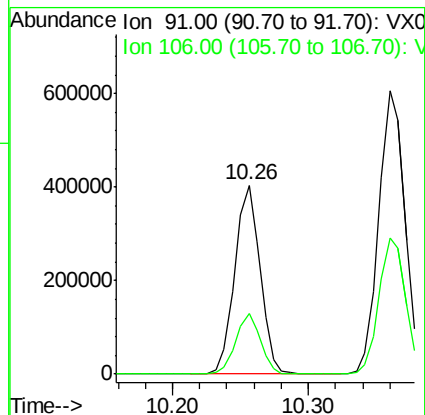
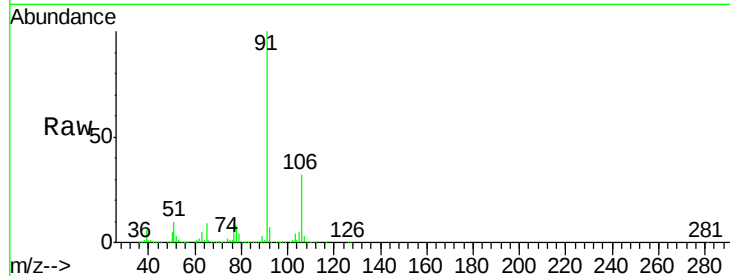
S81-0098

Tot Ion: 91 Resp: 526629

Ion Ratio Lower Upper

91 100

106 32.1 25.5 38.3



#68

m/p-Xylenes

Concen: 62.21 ug/l

RT: 10.36 min Scan# 1603

Delta R.T. -0.00 min

Lab File: VX003059.D

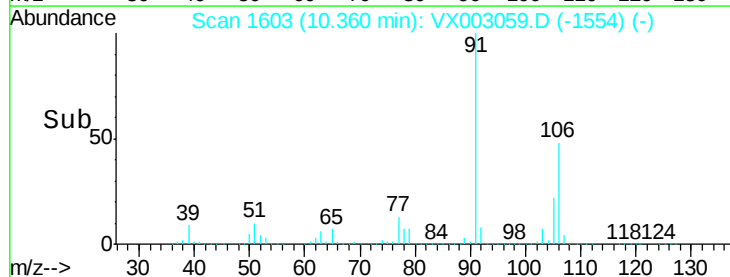
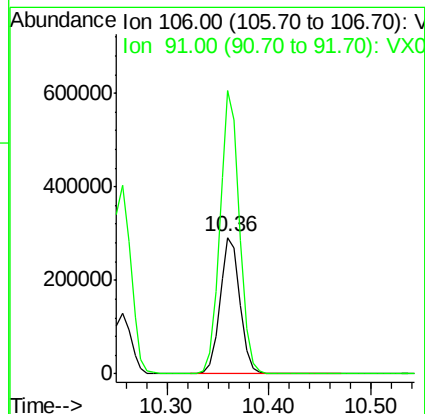
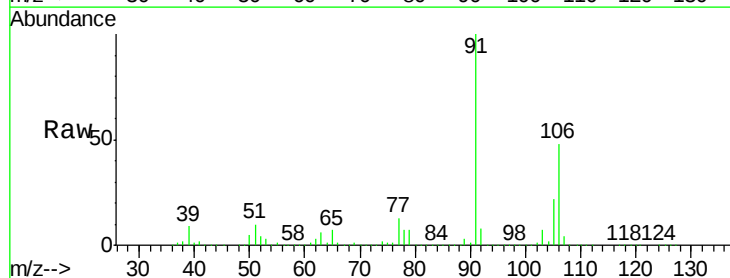
Acq: 30 Jun 2018 05:09

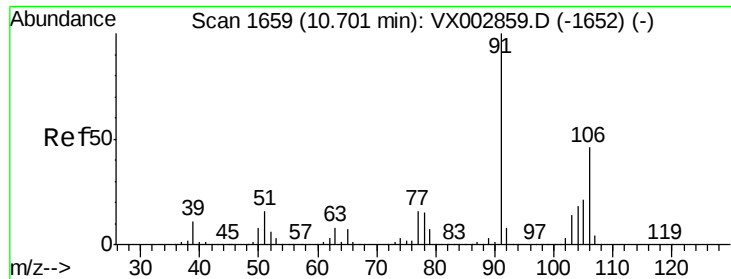
Tgt Ion: 106 Resp: 397412

Ion Ratio Lower Upper

106 100

91 204.3 163.4 245.2

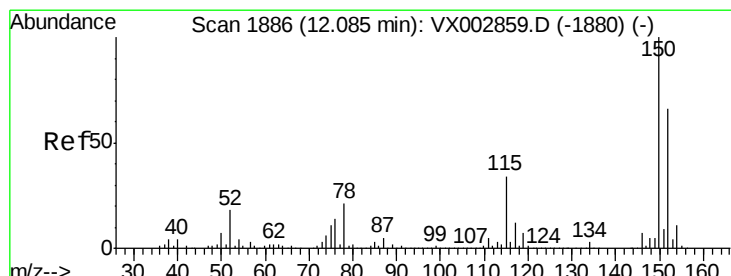
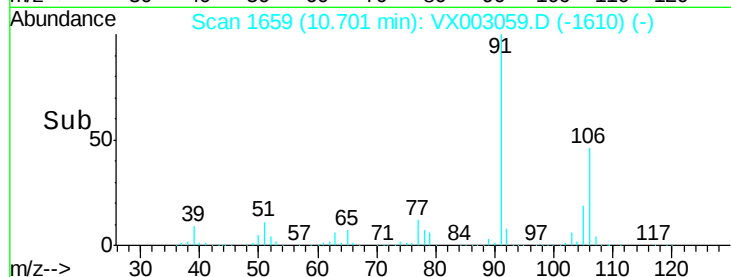
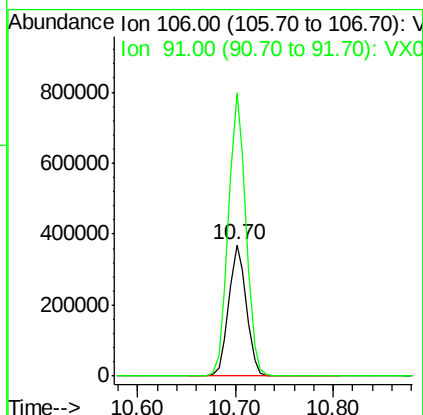
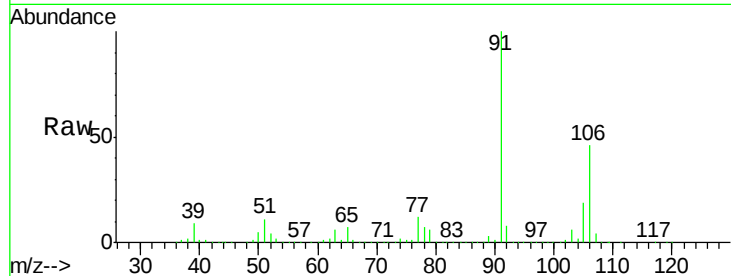




#69
o-Xylene
Concen: 74.23 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX003059.D
Acq: 30 Jun 2018 05:09

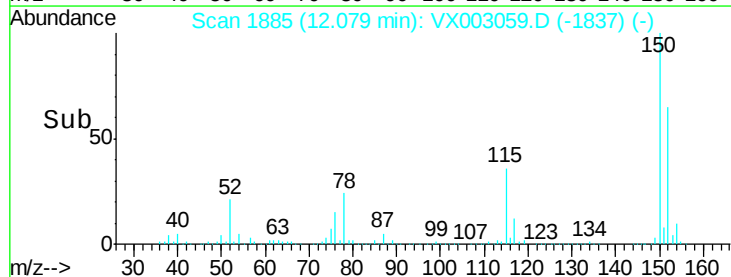
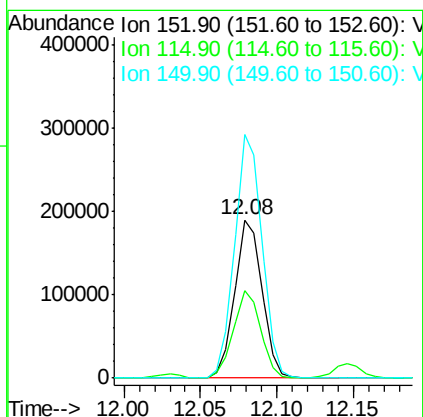
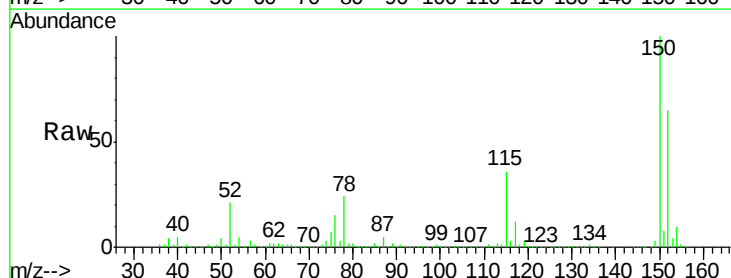
Instrument :
MSVOA_X
ClientSampled :
S81-0098

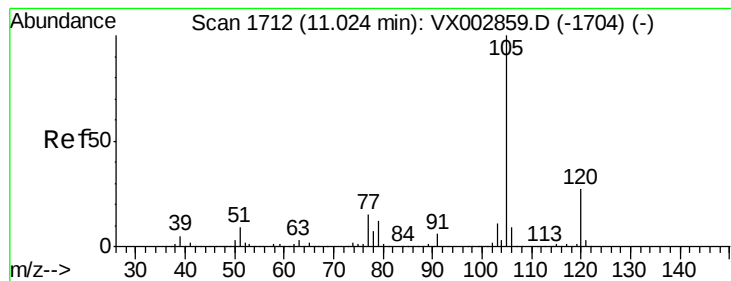
Tot Ion:106 Resp: 461693
Ion Ratio Lower Upper
106 100
91 214.6 108.2 324.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. -0.01 min
Lab File: VX003059.D
Acq: 30 Jun 2018 05:09

Tgt Ion:152 Resp: 235236
Ion Ratio Lower Upper
152 100
115 55.2 40.1 120.2
150 154.7 0.0 347.2





#73

Isopropylbenzene

Concen: 3.60 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX003059.D

Acq: 30 Jun 2018 05:09

Instrument :

MSVOA_X

ClientSampleId :

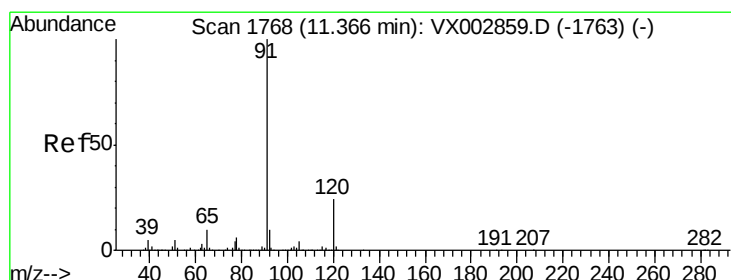
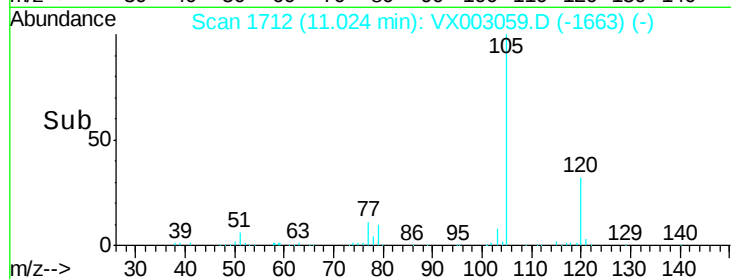
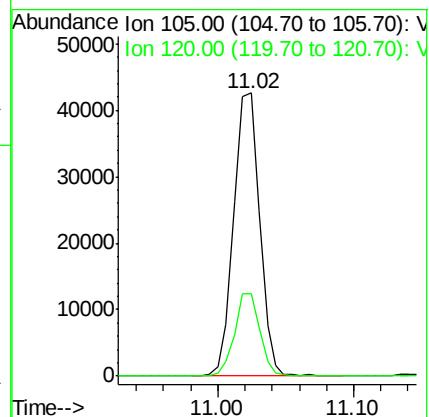
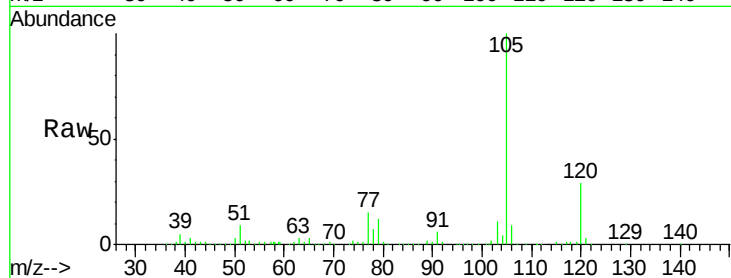
S81-0098

Tot Ion: 105 Resp: 56891

Ion Ratio Lower Upper

105 100

120 28.2 13.5 40.4



#78

n-propylbenzene

Concen: 4.32 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX003059.D

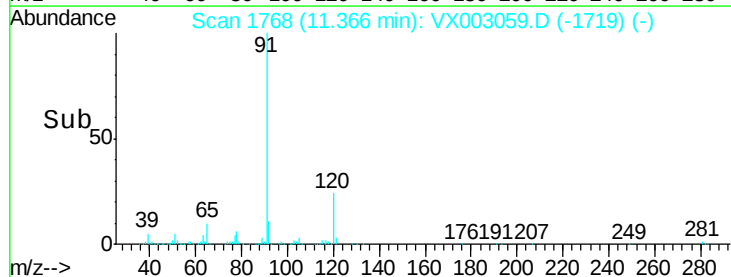
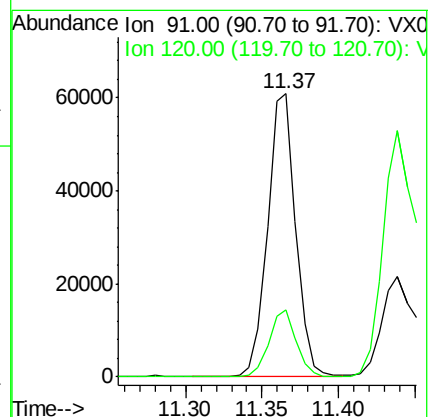
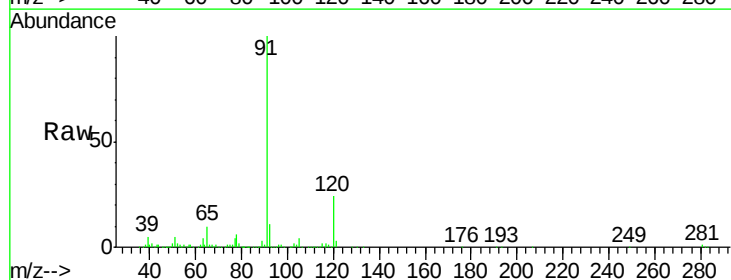
Acq: 30 Jun 2018 05:09

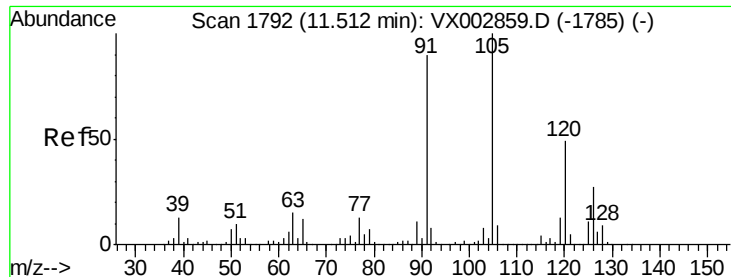
Tgt Ion: 91 Resp: 77831

Ion Ratio Lower Upper

91 100

120 23.2 11.8 35.4

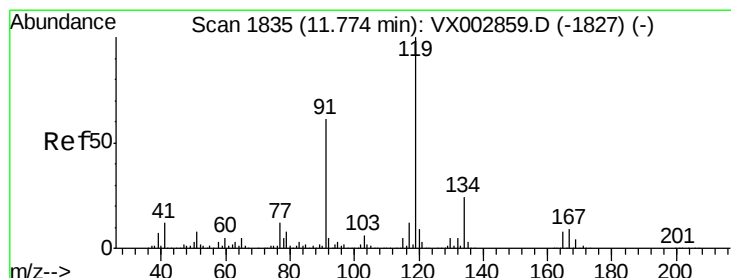
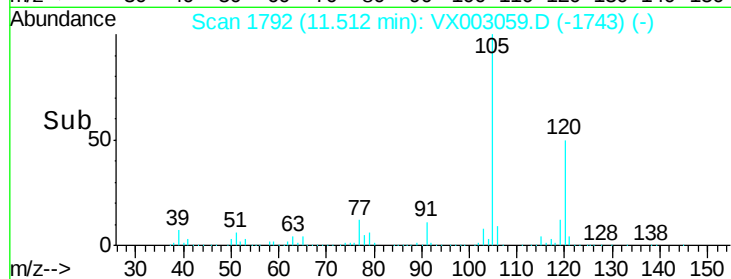
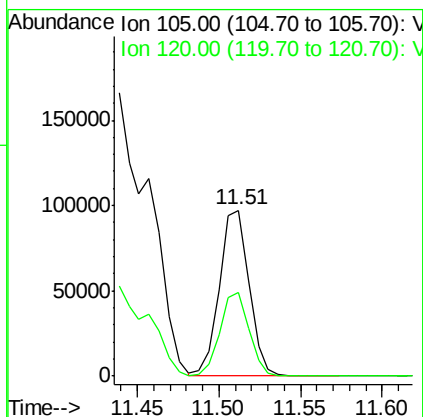
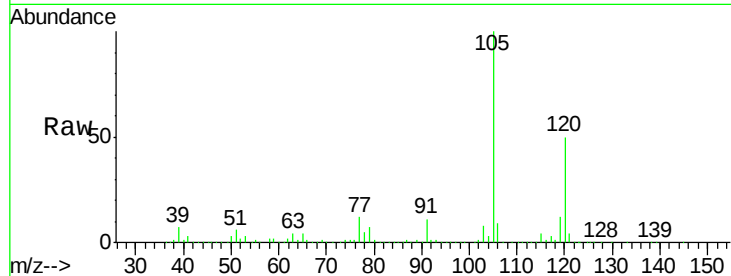




#80
 1,3,5-Trimethylbenzene
 Concen: 9.25 ug/l
 RT: 11.51 min Scan# 1792
 Delta R.T. -0.00 min
 Lab File: VX003059.D
 Acq: 30 Jun 2018 05:09

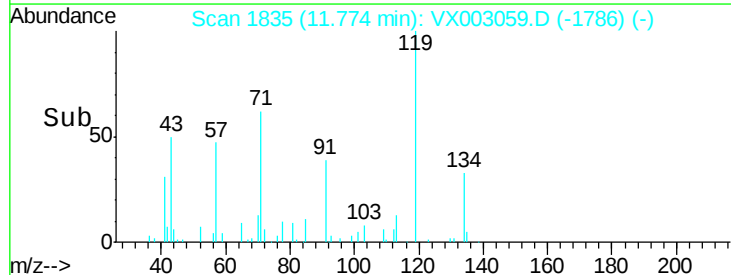
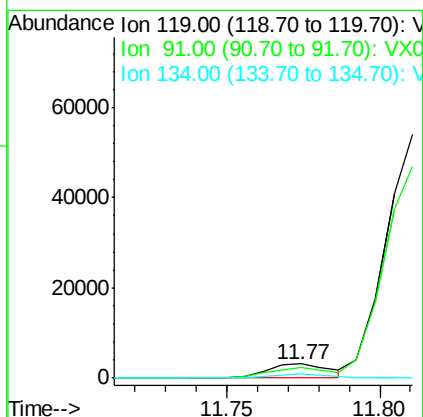
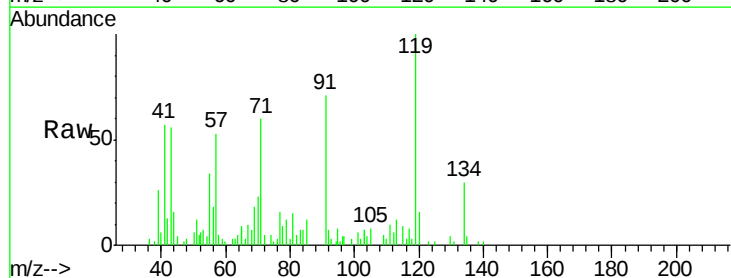
Instrument :
 MSVOA_X
 ClientSampleId :
 S81-0098

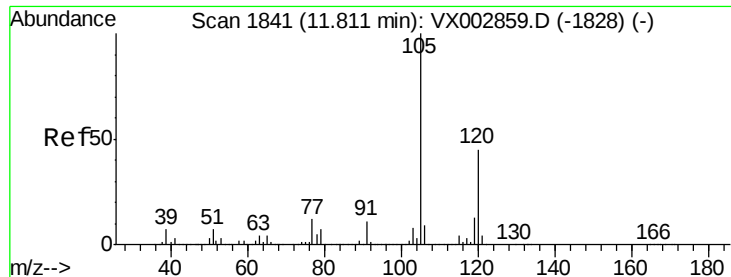
Tot Ion:105 Resp: 123261
 Ion Ratio Lower Upper
 105 100
 120 49.7 24.4 73.4



#83
 tert-Butylbenzene
 Concen: 0.34 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. -0.00 min
 Lab File: VX003059.D
 Acq: 30 Jun 2018 05:09

Tgt Ion:119 Resp: 4512
 Ion Ratio Lower Upper
 119 100
 91 0.0 30.3 90.9#
 134 26.9 11.7 35.1





#84

1,2,4-Trimethylbenzene

Concen: 38.70 ug/l

RT: 11.81 min Scan# 1841

Delta R.T. -0.00 min

Lab File: VX003059.D

Acq: 30 Jun 2018 05:09

Instrument :

MSVOA_X

ClientSampleId :

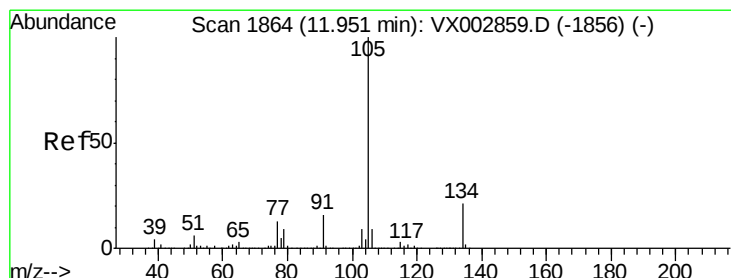
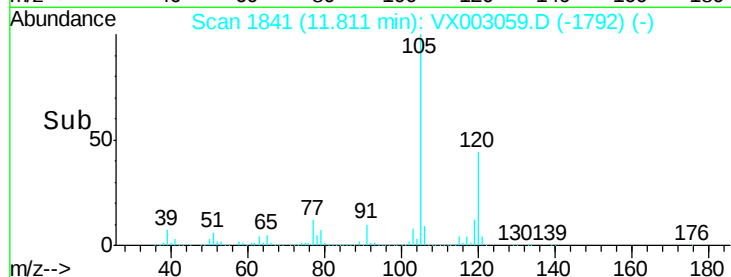
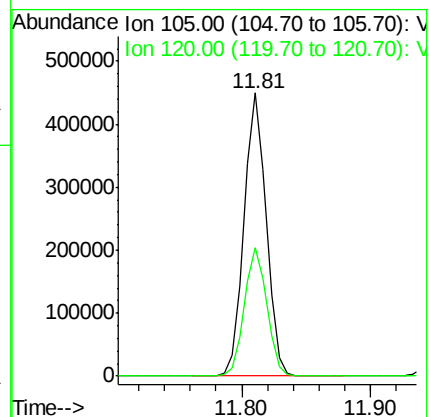
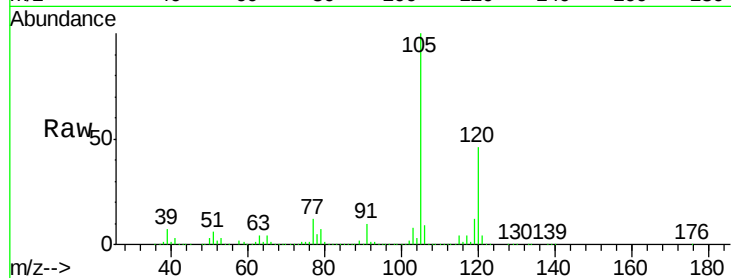
S81-0098

Tot Ion:105 Resp: 534440

Ion Ratio Lower Upper

105 100

120 45.9 22.3 66.8



#85

sec-Butylbenzene

Concen: 1.46 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VX003059.D

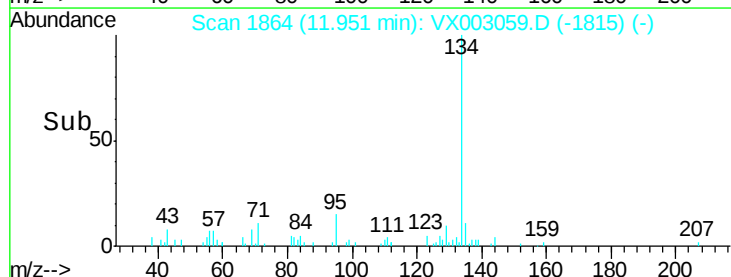
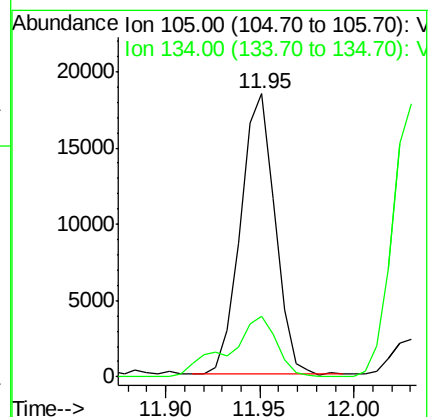
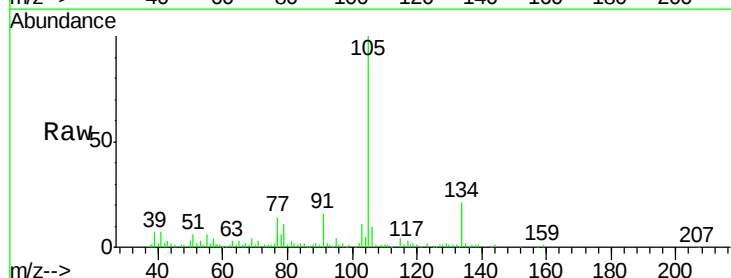
Acq: 30 Jun 2018 05:09

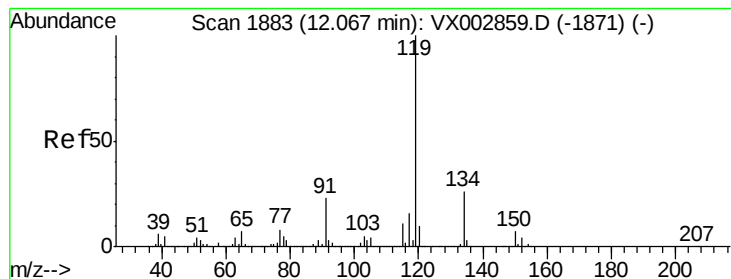
Tgt Ion:105 Resp: 23192

Ion Ratio Lower Upper

105 100

134 30.4 10.4 31.1





#86

p-Isopropyltoluene

Concen: 2.03 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX003059.D

Acq: 30 Jun 2018 05:09

Instrument :

MSVOA_X

ClientSampleId :

S81-0098

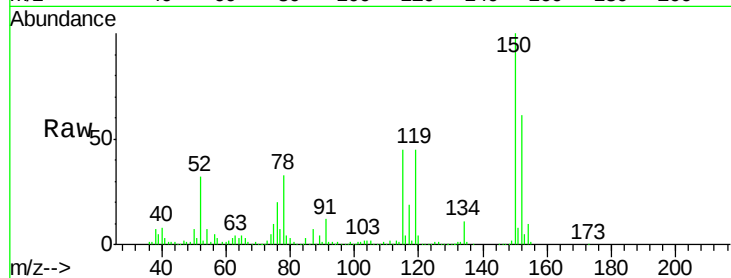
Tot Ion: 119 Resp: 29150

Ion Ratio Lower Upper

119 100

134 27.0 13.4 40.1

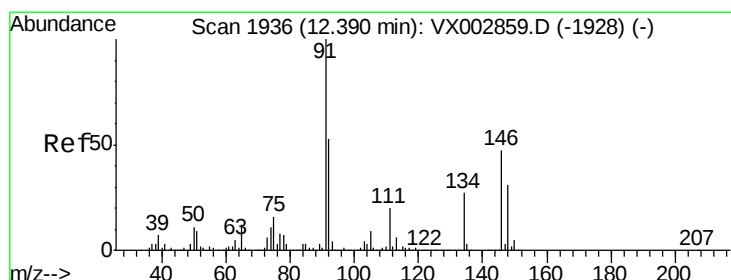
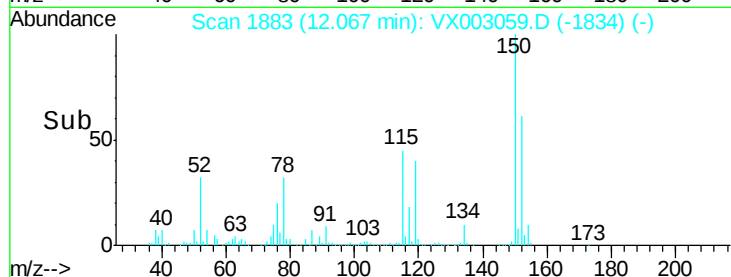
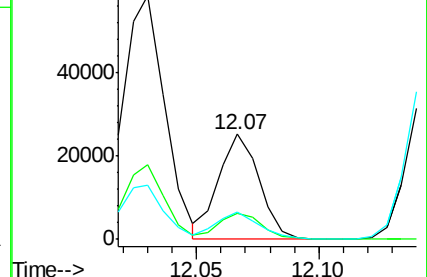
91 26.8 11.9 35.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



#89

n-Butylbenzene

Concen: 1.90 ug/l

RT: 12.38 min Scan# 1934

Delta R.T. -0.01 min

Lab File: VX003059.D

Acq: 30 Jun 2018 05:09

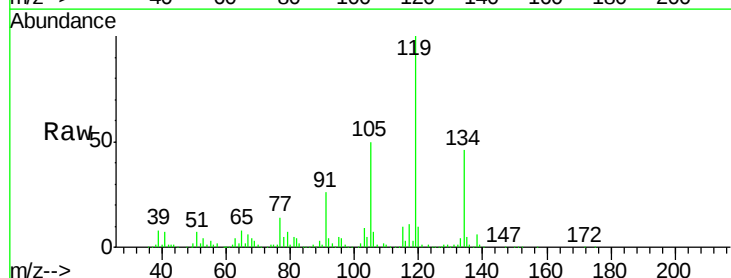
Tgt Ion: 91 Resp: 23684

Ion Ratio Lower Upper

91 100

92 30.1 26.0 78.0

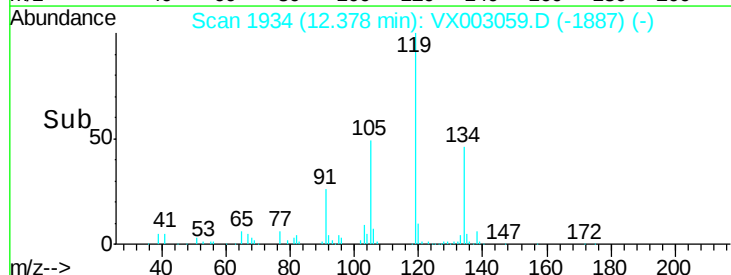
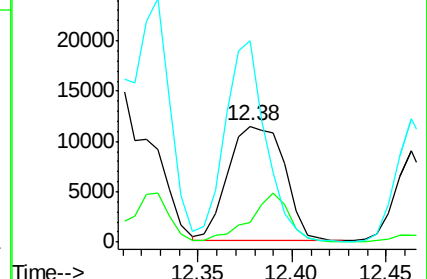
134 126.1 13.5 40.5#

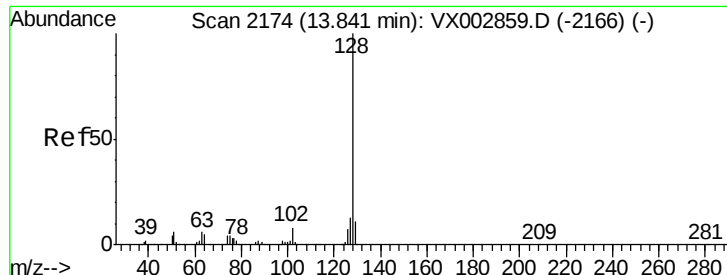


Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0

Ion 134.00 (133.70 to 134.70): V





#95
Naphthalene
Concen: 7.79 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. -0.00 min
Lab File: VX003059.D
Acq: 30 Jun 2018 05:09

Instrument :
MSVOA_X
ClientSampleId :
S81-0098

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.8	10.4	15.6
129	13.3	8.6	13.0

