

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082318\
 Data File : VX004227.D
 Acq On : 23 Aug 2018 15:26
 Operator : JC/MD
 Sample : J4579-10
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0561

Quant Time: Aug 24 08:21:04 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 23 05:39:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	339156	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	523370	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	457497	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	302419	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	211495	47.84	ug/l	0.00
Spiked Amount			Recovery	=	95.68%	
35) Dibromofluoromethane	5.50	113	181153	46.53	ug/l	0.00
Spiked Amount			Recovery	=	93.06%	
50) Toluene-d8	8.71	98	740079	50.36	ug/l	0.00
Spiked Amount			Recovery	=	100.72%	
62) 4-Bromofluorobenzene	11.14	95	272028	49.61	ug/l	0.00
Spiked Amount			Recovery	=	99.22%	

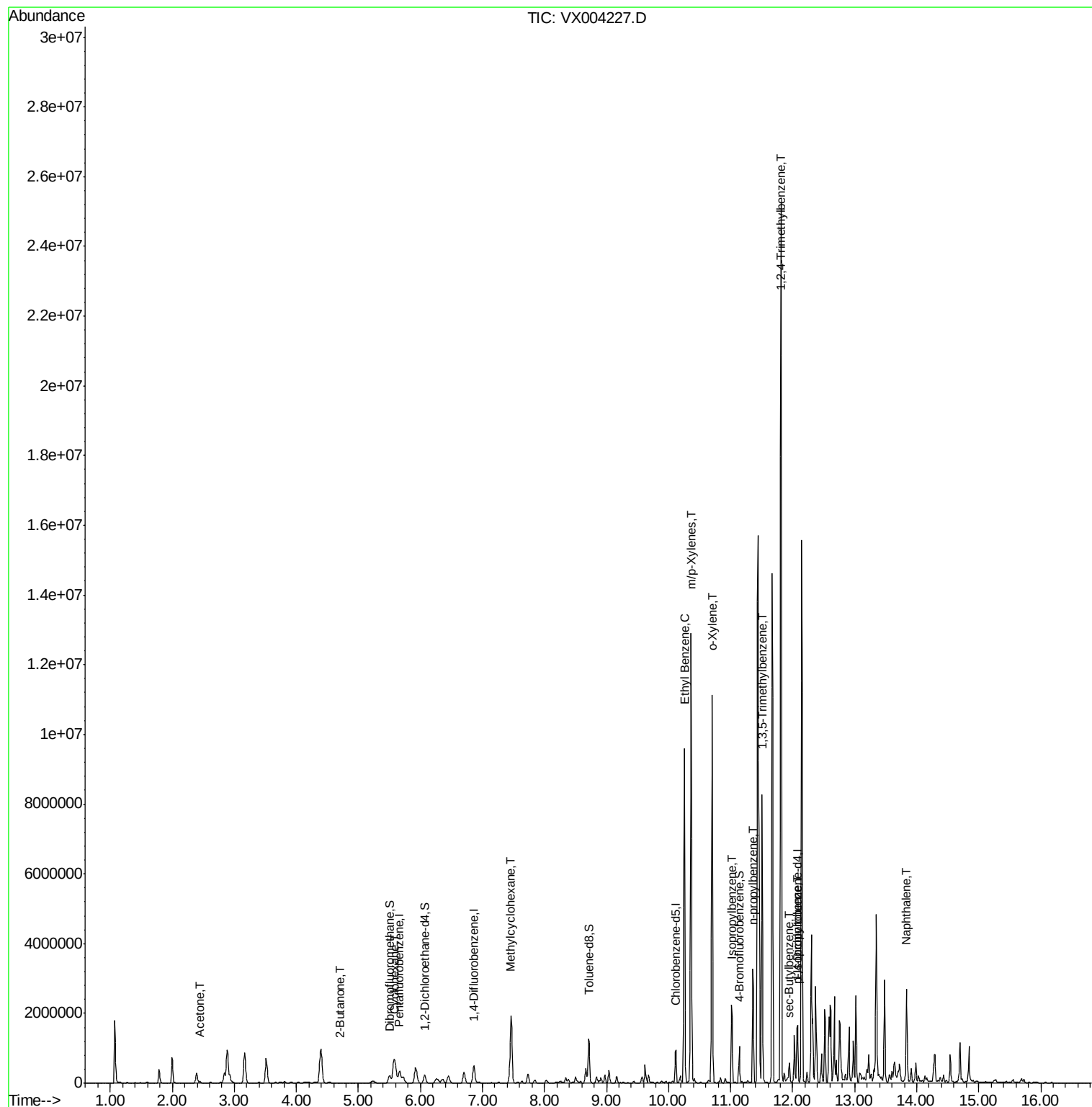
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.45	43	39953	14.54	ug/l	100
25) 2-Butanone	4.70	43	20131	4.00	ug/l	93
31) Cyclohexane	5.57	56	503362	81.22	ug/l	98
39) Methylcyclohexane	7.46	83	906841	134.99	ug/l	98
67) Ethyl Benzene	10.26	91	5390127	289.06	ug/l	94
68) m/p-Xylenes	10.37	106	3195375	438.24	ug/l	95
69) o-Xylene	10.70	106	2473811	358.68	ug/l	94
73) Isopropylbenzene	11.02	105	1191701	60.00	ug/l	98
78) n-propylbenzene	11.36	91	1963276	85.94	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	3660001	222.51	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	10045355	594.94	ug/l	88
85) sec-Butylbenzene	11.94	105	301617	15.35	ug/l	87
86) p-Isopropyltoluene	12.07	119	371780	21.11	ug/l	100
95) Naphthalene	13.83	128	1628173	82.52	ug/l	99

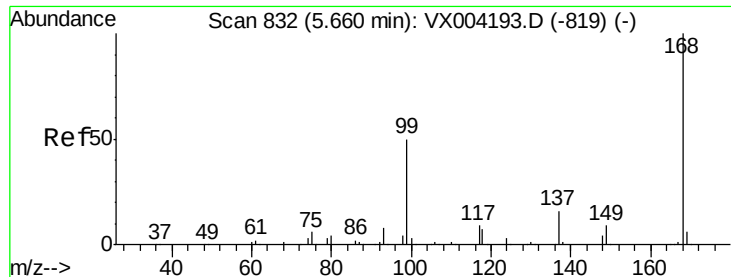
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.01 min

Lab File: VX004227.D

Acq: 23 Aug 2018 15:26

Instrument :

MSVOA_X

ClientSampleId :

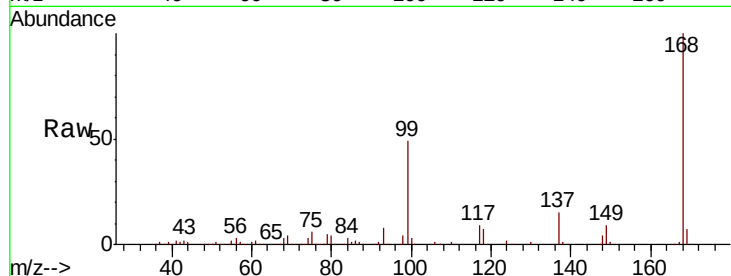
FL-0561

Tot Ion:168 Resp: 339156

Ion Ratio Lower Upper

168 100

99 49.2 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): VX004193.D (-819) (-)

Ion 98.90 (98.60 to 99.60): VX004193.D (-819) (-)

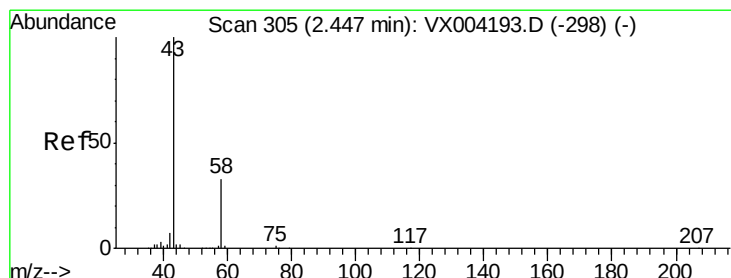
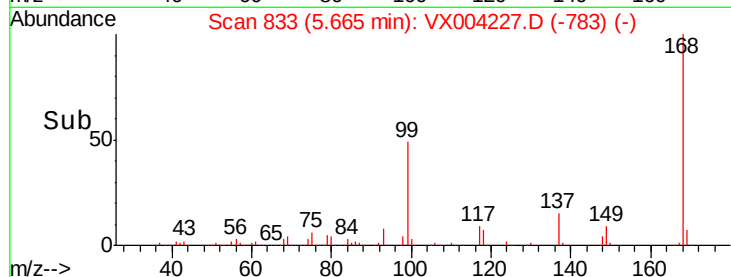
5.67

100000

50000

0

Time-->



#16

Acetone

Concen: 14.54 ug/l

RT: 2.45 min Scan# 305

Delta R.T. 0.00 min

Lab File: VX004227.D

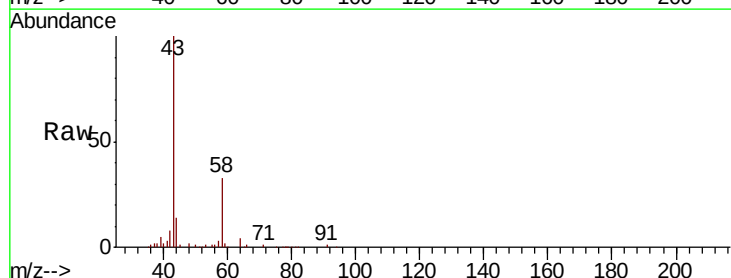
Acq: 23 Aug 2018 15:26

Tgt Ion: 43 Resp: 39953

Ion Ratio Lower Upper

43 100

58 32.7 26.2 39.4



Abundance Ion 43.00 (42.70 to 43.70): VX004193.D (-298) (-)

Ion 58.00 (57.70 to 58.70): VX004193.D (-298) (-)

2.45

60000

50000

40000

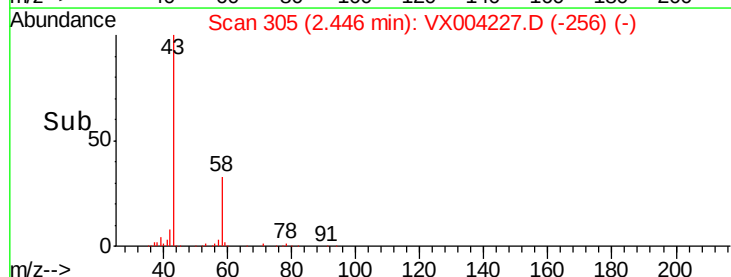
30000

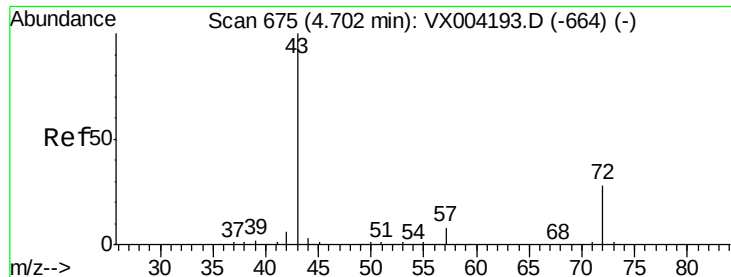
20000

10000

0

Time-->





#25

2-Butanone

Concen: 4.00 ug/l

RT: 4.70 min Scan# 675

Delta R.T. 0.00 min

Lab File: VX004227.D

Acq: 23 Aug 2018 15:26

Instrument :

MSVOA_X

ClientSampleId :

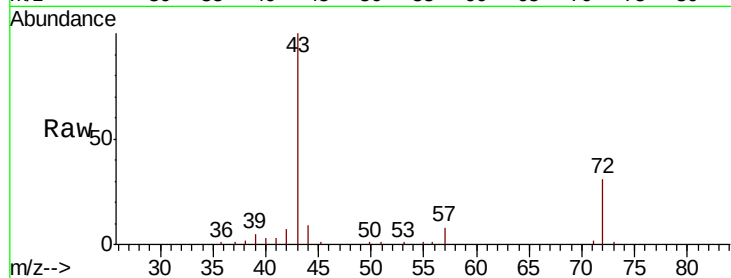
FL-0561

Tot Ion: 43 Resp: 20131

Ion Ratio Lower Upper

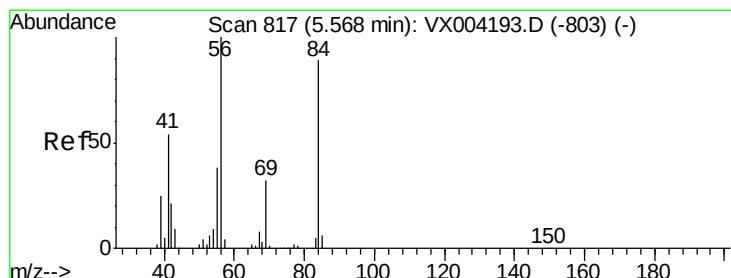
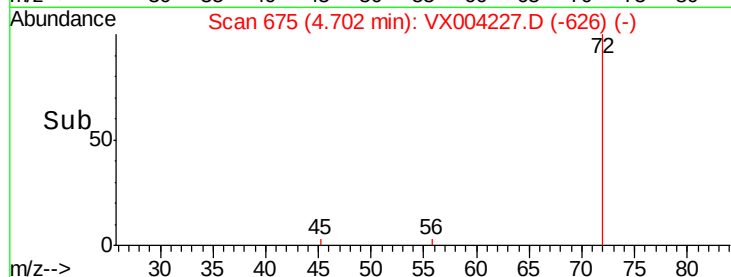
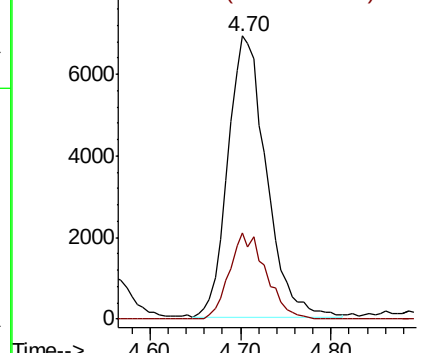
43 100

72 30.9 22.0 33.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#31

Cyclohexane

Concen: 81.22 ug/l

RT: 5.57 min Scan# 818

Delta R.T. 0.01 min

Lab File: VX004227.D

Acq: 23 Aug 2018 15:26

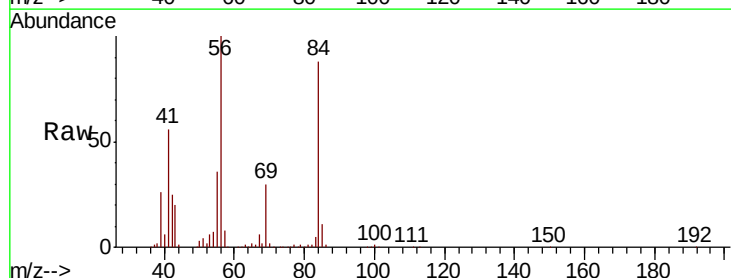
Tgt Ion: 56 Resp: 503362

Ion Ratio Lower Upper

56 100

69 29.5 25.4 38.2

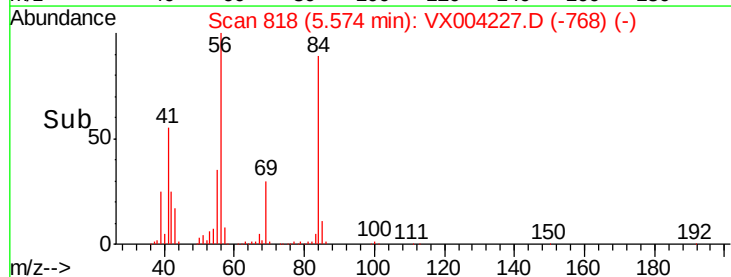
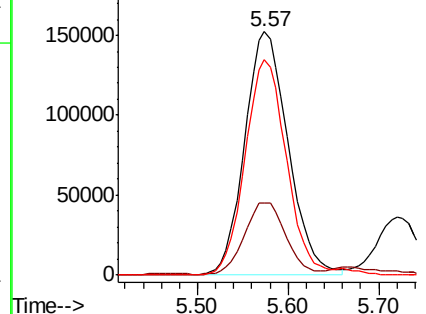
84 88.6 71.4 107.2

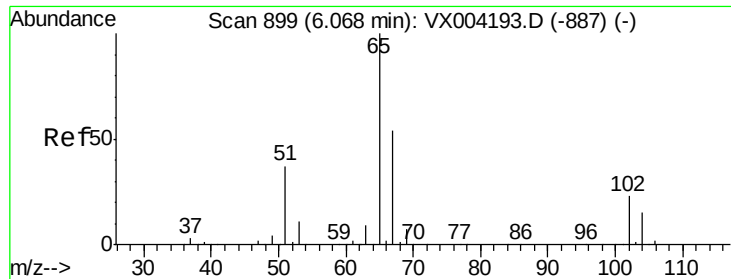


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

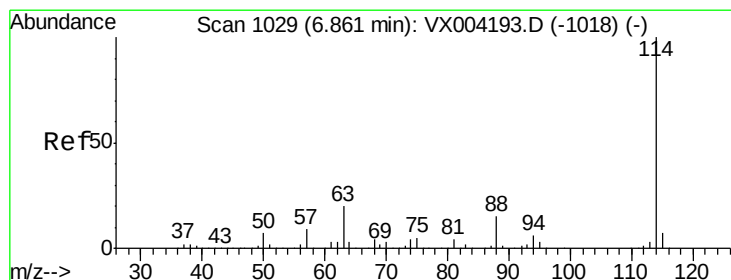
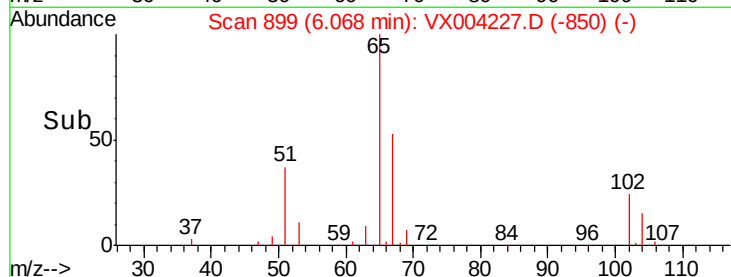
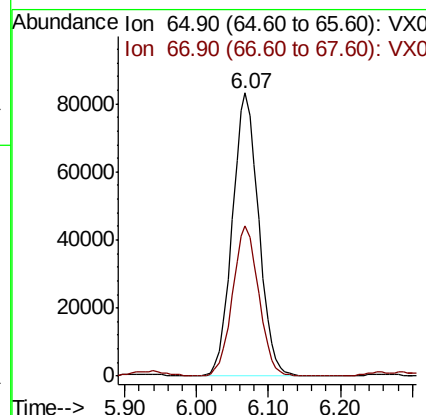
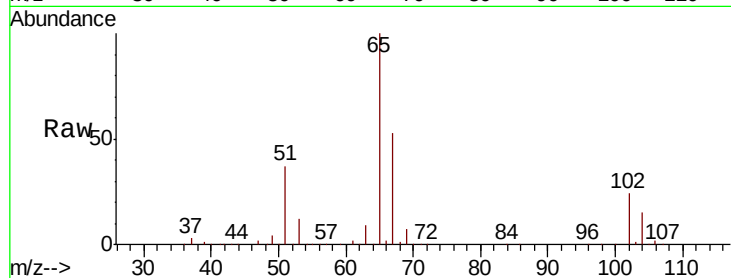




#33
 1,2-Dichloroethane-d4
 Concen: 47.84 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. -0.00 min
 Lab File: VX004227.D
 Acq: 23 Aug 2018 15:26

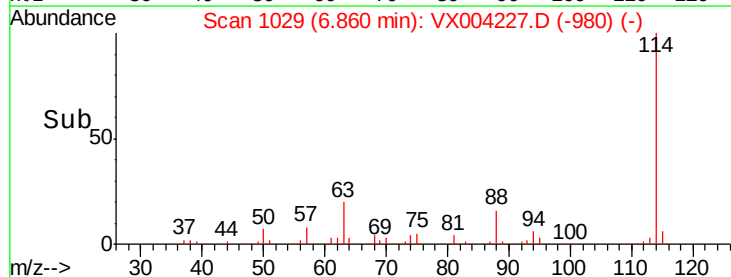
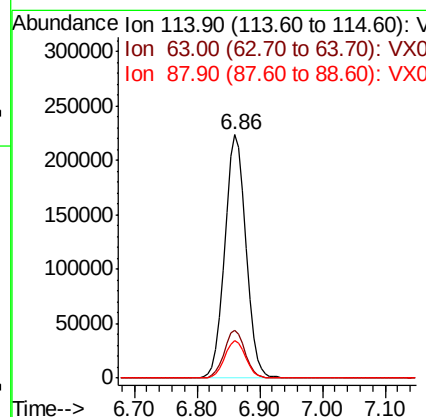
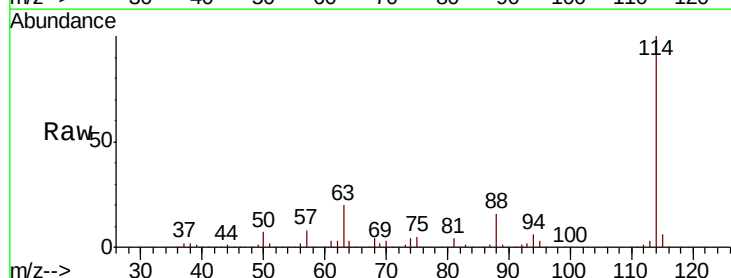
Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0561

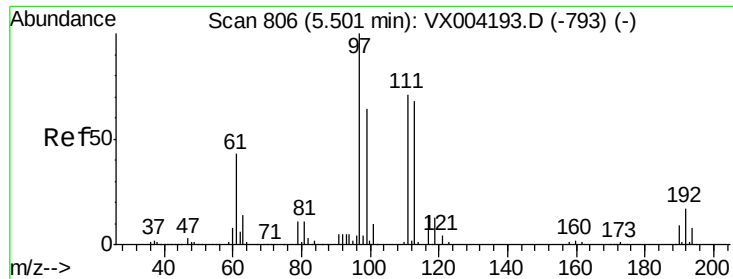
Tot Ion: 65 Resp: 211495
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. -0.00 min
 Lab File: VX004227.D
 Acq: 23 Aug 2018 15:26

Tgt Ion: 114 Resp: 523370
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 39.0
 88 15.6 0.0 30.4

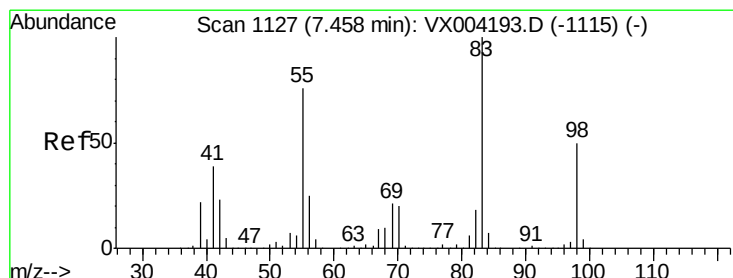
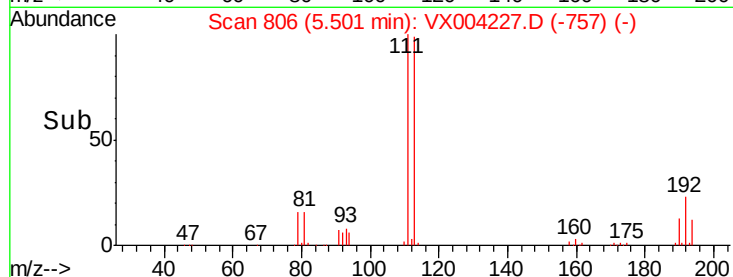
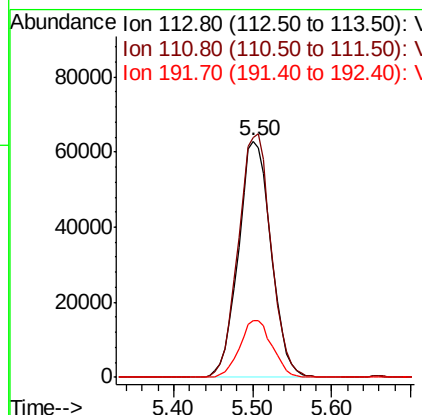
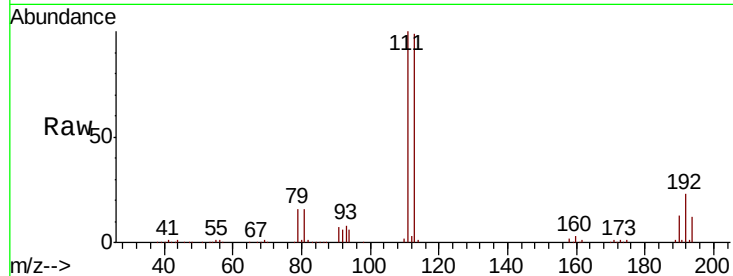




#35
 Dibromofluoromethane
 Concen: 46.53 ug/l
 RT: 5.50 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX004227.D
 Acq: 23 Aug 2018 15:26

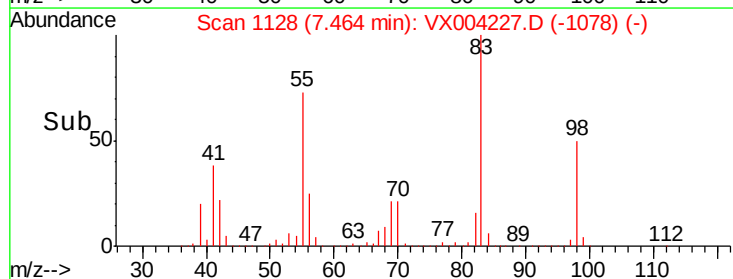
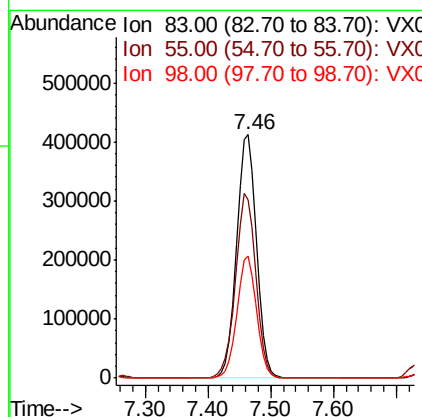
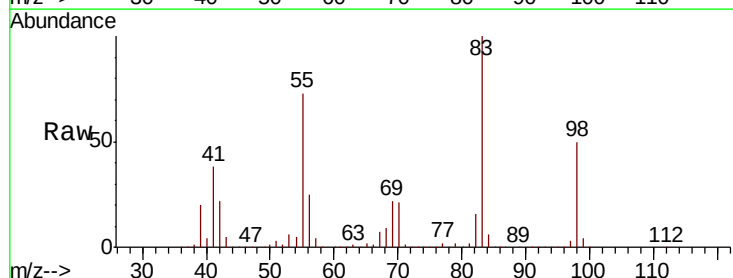
Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0561

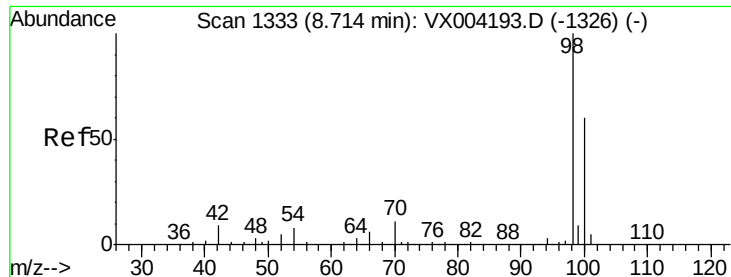
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.5	82.4	123.6
192	24.0	19.4	29.2



#39
 Methylcyclohexane
 Concen: 134.99 ug/l
 RT: 7.46 min Scan# 1128
 Delta R.T. 0.01 min
 Lab File: VX004227.D
 Acq: 23 Aug 2018 15:26

Tgt Ion	Ratio	Lower	Upper
83	100		
55	73.2	61.0	91.4
98	50.1	39.6	59.4

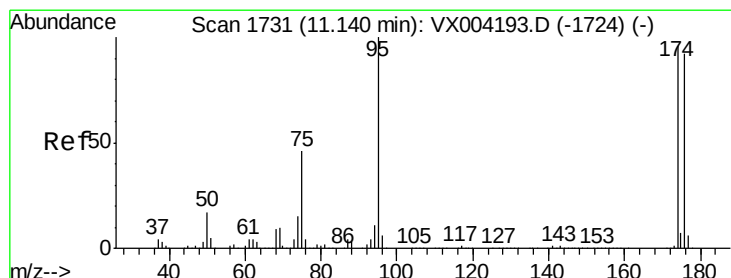
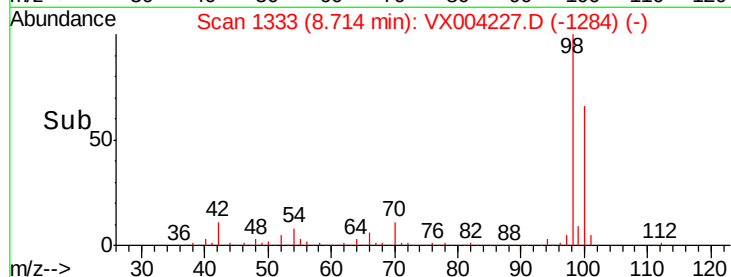
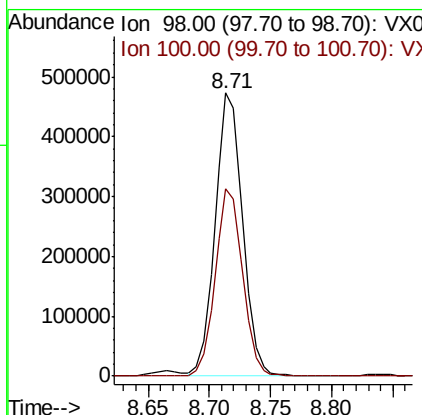
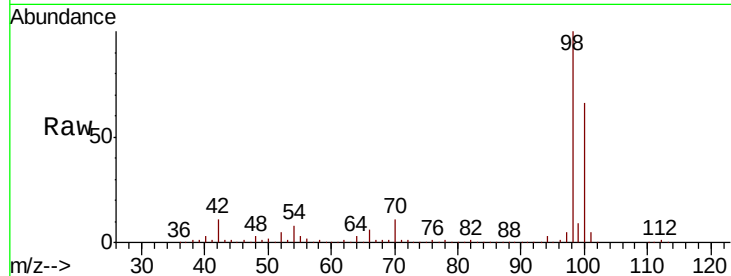




#50
Toluene-d8
Concen: 50.36 ug/l
RT: 8.71 min Scan# 1333
Delta R.T. -0.00 min
Lab File: VX004227.D
Acq: 23 Aug 2018 15:26

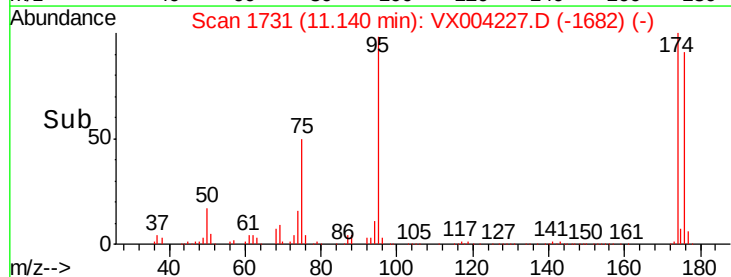
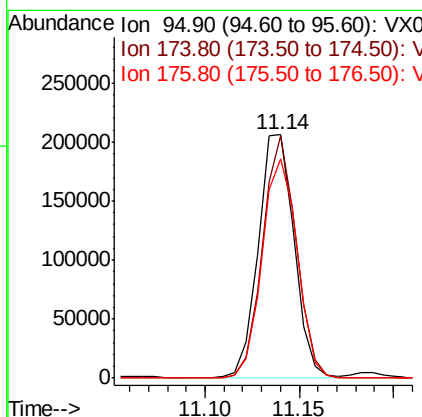
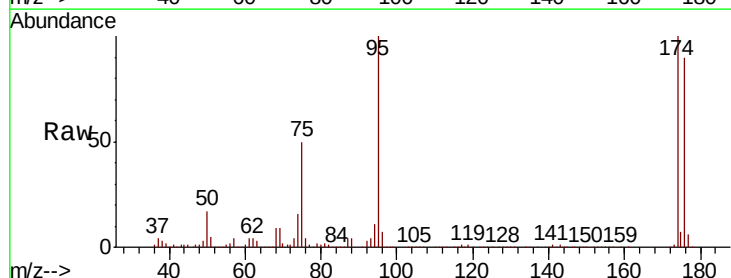
Instrument :
MSVOA_X
ClientSampled :
FL-0561

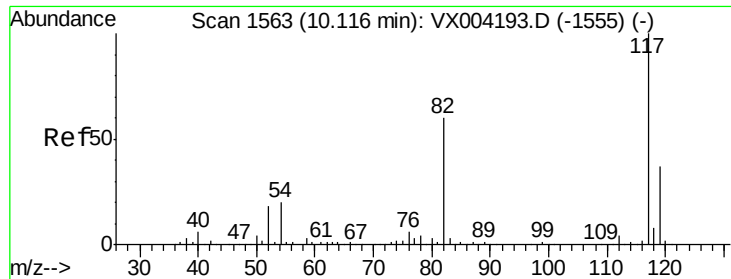
Tot Ion: 98 Resp: 740079
Ion Ratio Lower Upper
98 100
100 66.1 52.9 79.3



#62
4-Bromofluorobenzene
Concen: 49.61 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.00 min
Lab File: VX004227.D
Acq: 23 Aug 2018 15:26

Tgt Ion: 95 Resp: 272028
Ion Ratio Lower Upper
95 100
174 93.2 0.0 185.2
176 88.7 0.0 178.6

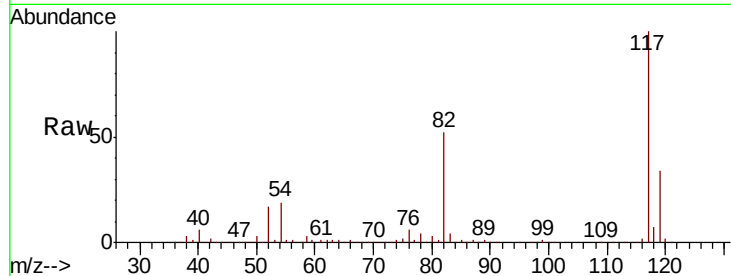




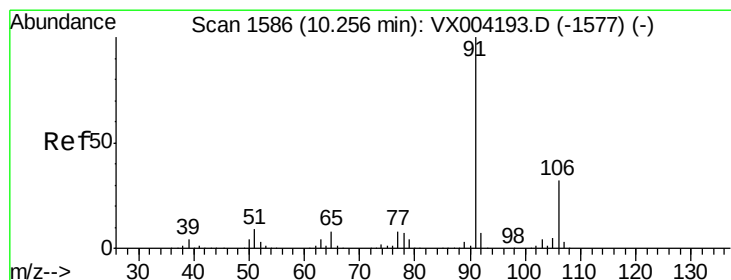
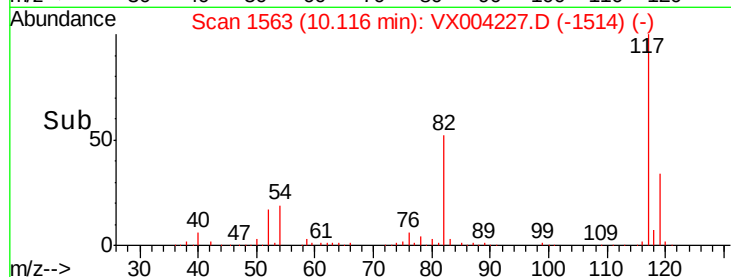
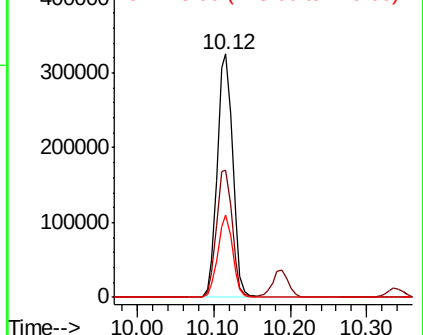
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX004227.D
Acq: 23 Aug 2018 15:26

Instrument :
MSVOA_X
ClientSampled :
FL-0561

Tot Ion:117 Resp: 457497
Ion Ratio Lower Upper
117 100
82 52.4 47.8 71.6
119 34.1 29.3 43.9

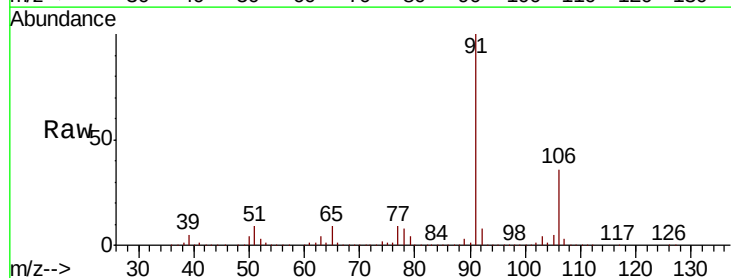


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

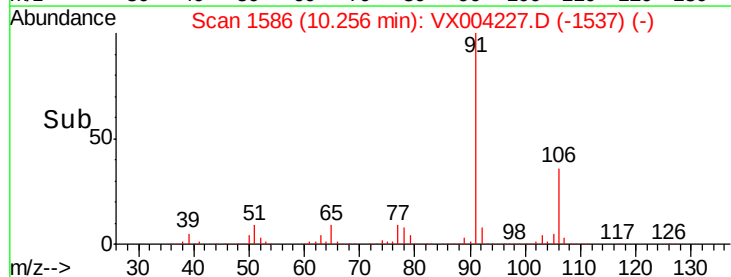
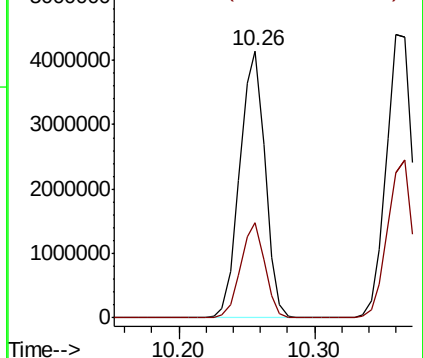


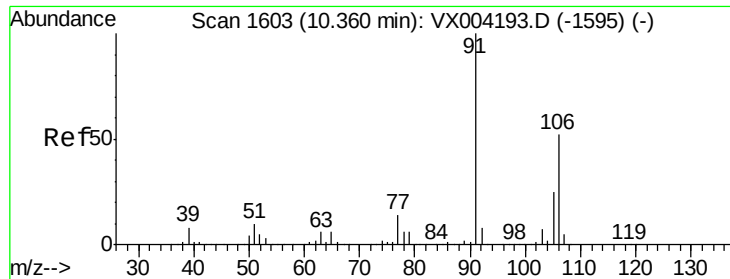
#67
Ethyl Benzene
Concen: 289.06 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VX004227.D
Acq: 23 Aug 2018 15:26

Tgt Ion: 91 Resp: 5390127
Ion Ratio Lower Upper
91 100
106 35.8 25.9 38.9



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





#68

m/p-Xylenes

Concen: 438.24 ug/l

RT: 10.37 min Scan# 1604

Delta R.T. 0.01 min

Lab File: VX004227.D

Acq: 23 Aug 2018 15:26

Instrument :

MSVOA_X

ClientSampled :

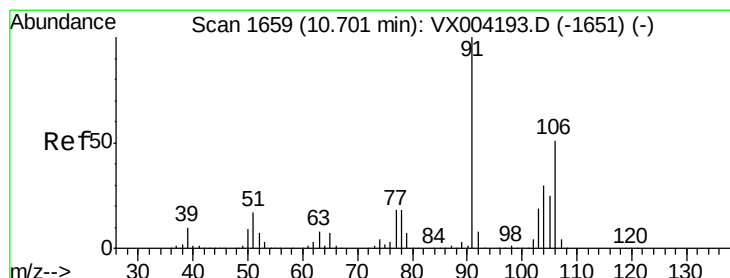
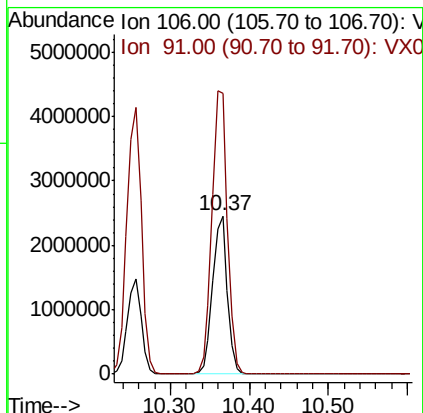
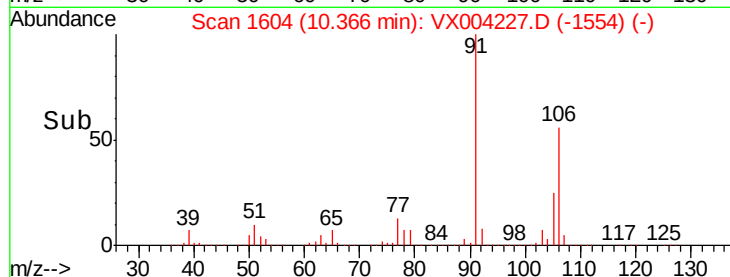
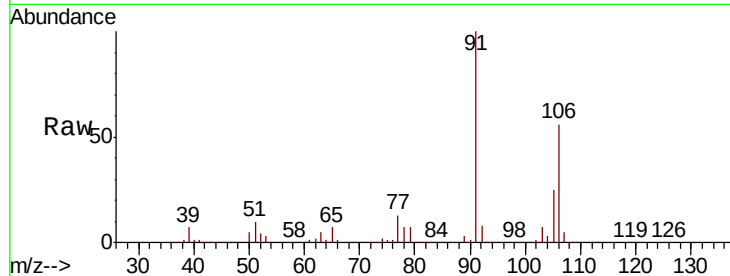
FL-0561

Tot Ion:106 Resp: 3195375

Ion Ratio Lower Upper

106 100

91 188.5 157.1 235.7



#69

o-Xylene

Concen: 358.68 ug/l

RT: 10.70 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX004227.D

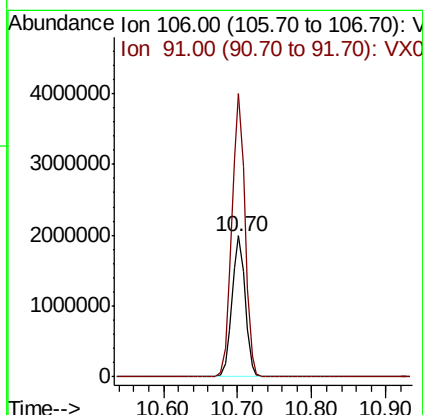
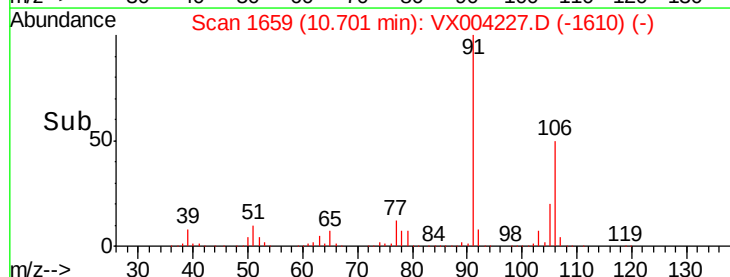
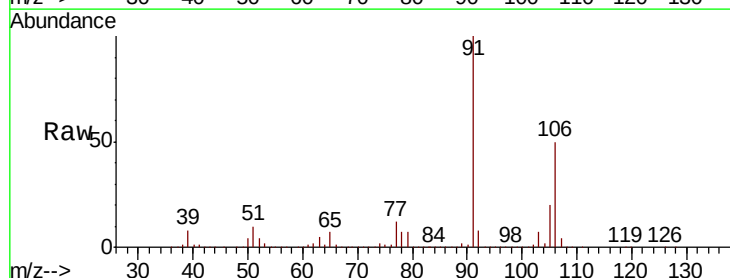
Acq: 23 Aug 2018 15:26

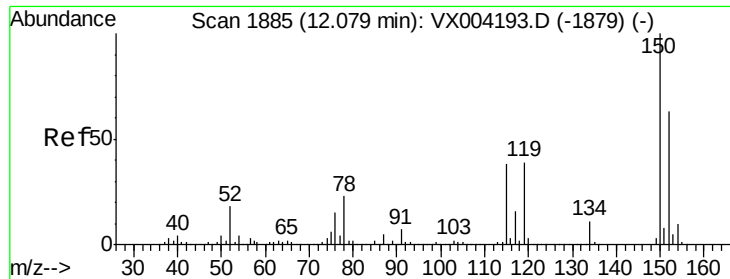
Tgt Ion:106 Resp: 2473811

Ion Ratio Lower Upper

106 100

91 200.8 105.1 315.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VX004227.D

Acq: 23 Aug 2018 15:26

Instrument :

MSVOA_X

ClientSampleId :

FL-0561

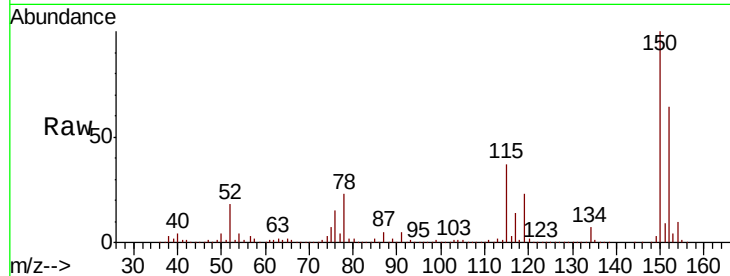
Tot Ion:152 Resp: 302419

Ion Ratio Lower Upper

152 100

115 62.4 39.0 117.0

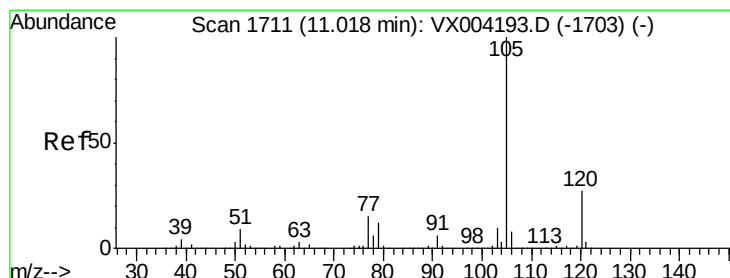
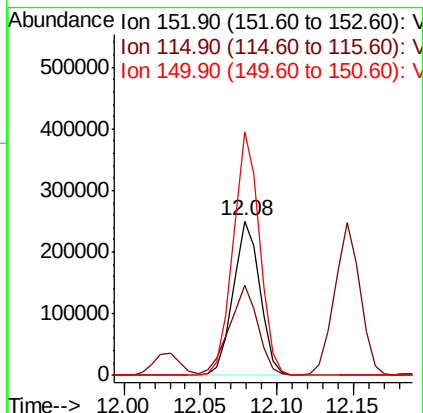
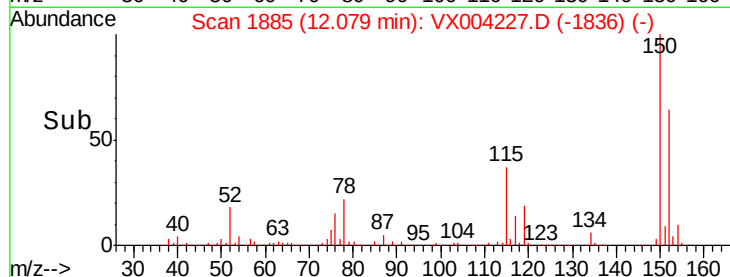
150 155.5 0.0 351.0



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: 60.00 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. -0.00 min

Lab File: VX004227.D

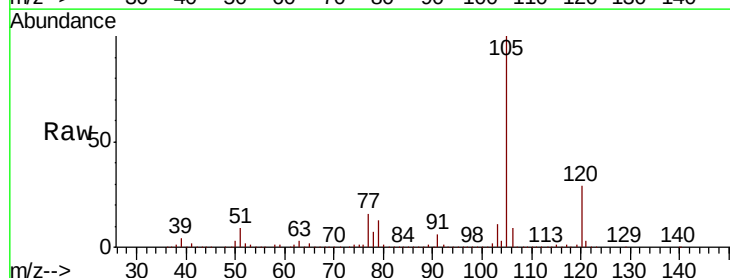
Acq: 23 Aug 2018 15:26

Tgt Ion:105 Resp: 1191701

Ion Ratio Lower Upper

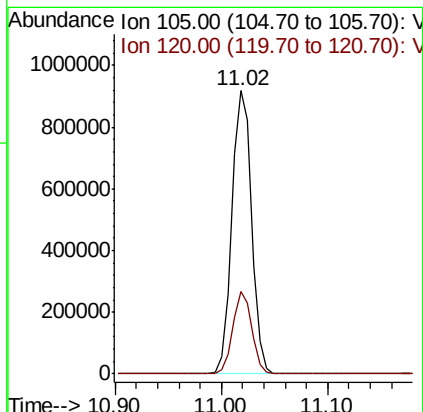
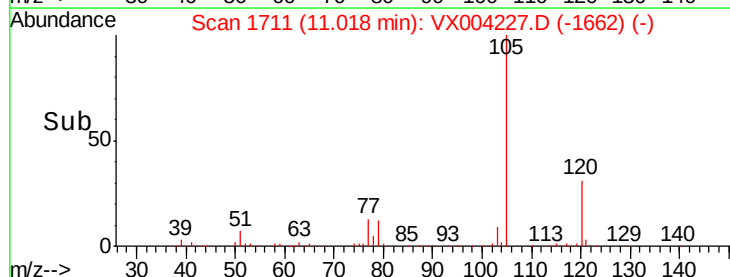
105 100

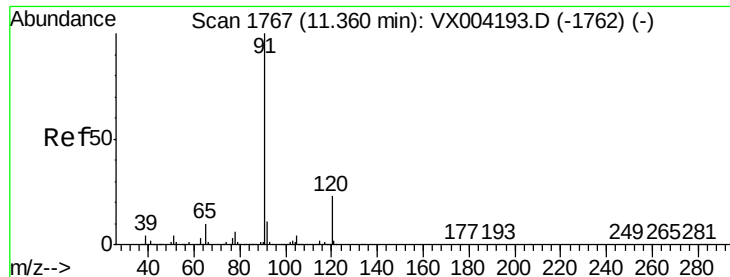
120 27.8 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 85.94 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. -0.00 min

Lab File: VX004227.D

Acq: 23 Aug 2018 15:26

Instrument :

MSVOA_X

ClientSampleId :

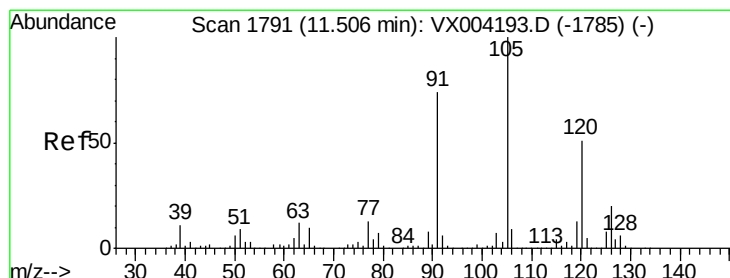
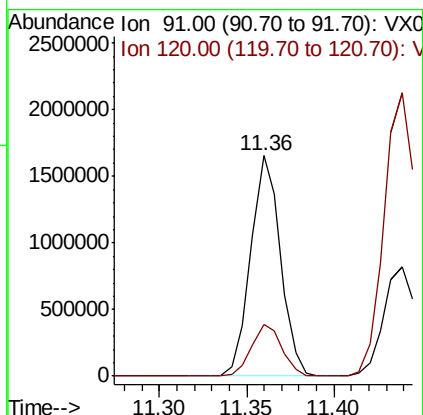
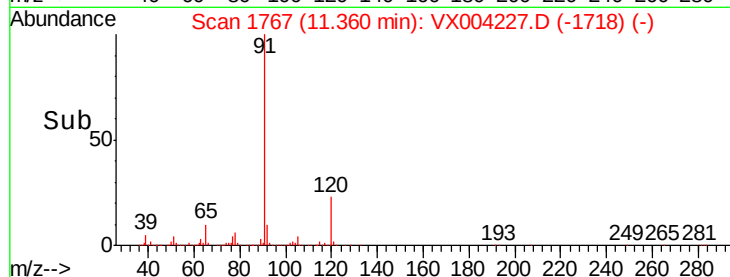
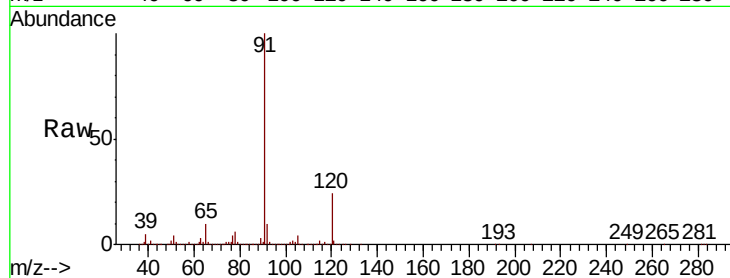
FL-0561

Tot Ion: 91 Resp: 1963276

Ion Ratio Lower Upper

91 100

120 23.8 11.9 35.9



#80

1,3,5-Trimethylbenzene

Concen: 222.51 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.01 min

Lab File: VX004227.D

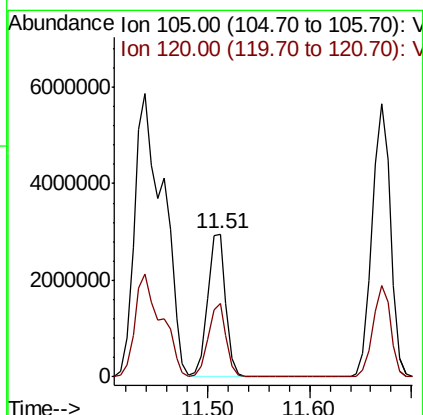
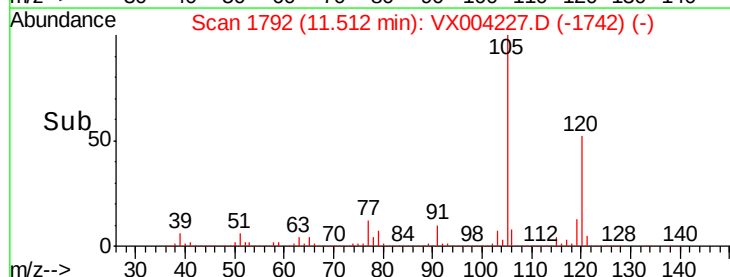
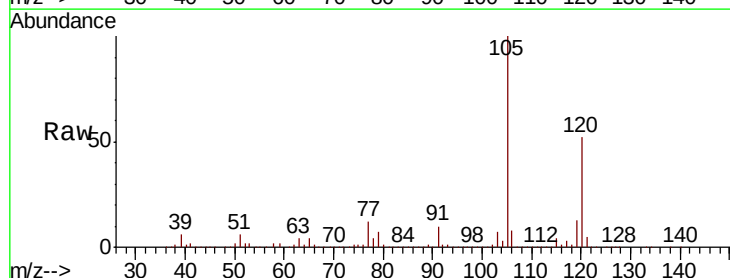
Acq: 23 Aug 2018 15:26

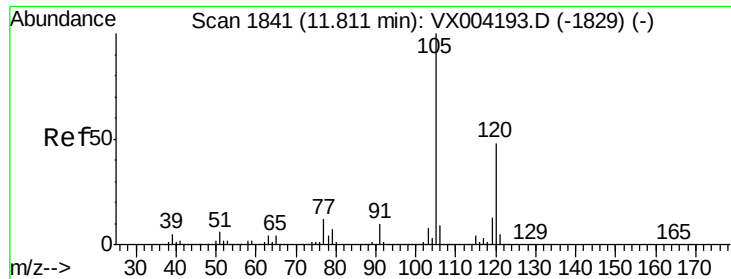
Tgt Ion:105 Resp: 3660001

Ion Ratio Lower Upper

105 100

120 50.8 25.6 76.8





#84

1,2,4-Trimethylbenzene

Concen: 594.94 ug/l

RT: 11.81 min Scan# 1841

Delta R.T. -0.00 min

Lab File: VX004227.D

Acq: 23 Aug 2018 15:26

Instrument :

MSVOA_X

ClientSampleId :

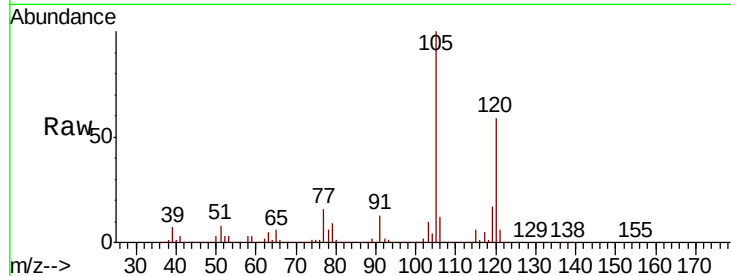
FL-0561

Tot Ion:105 Resp:10045355

Ion Ratio Lower Upper

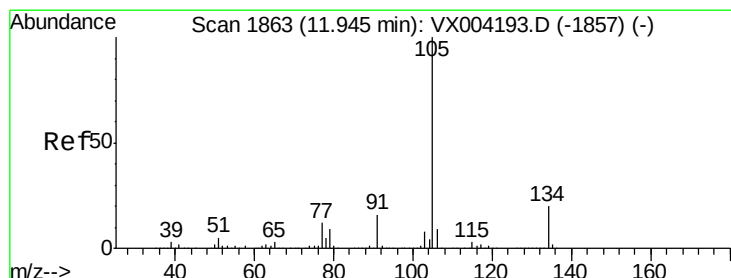
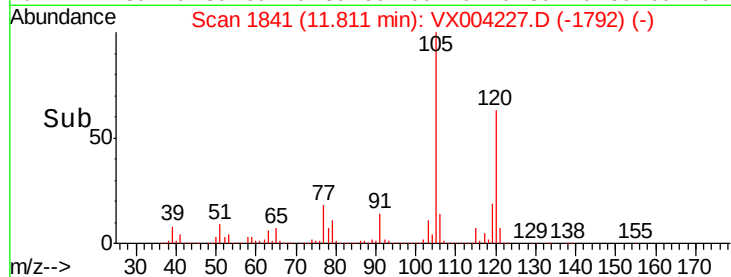
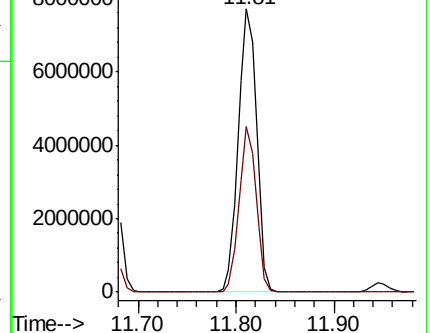
105 100

120 54.5 23.2 69.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#85

sec-Butylbenzene

Concen: 15.35 ug/l

RT: 11.94 min Scan# 1863

Delta R.T. -0.00 min

Lab File: VX004227.D

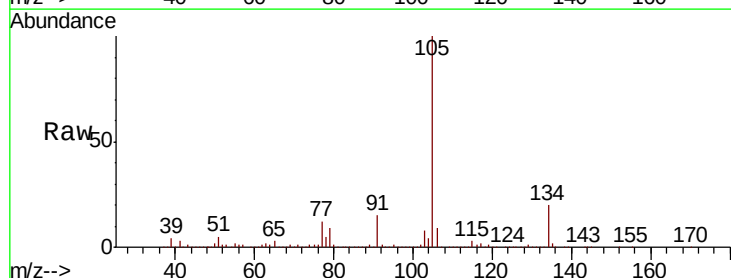
Acq: 23 Aug 2018 15:26

Tgt Ion:105 Resp: 301617

Ion Ratio Lower Upper

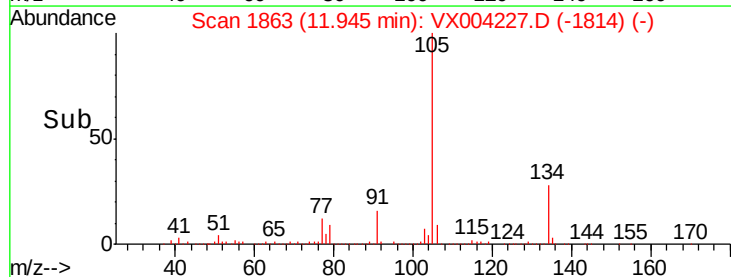
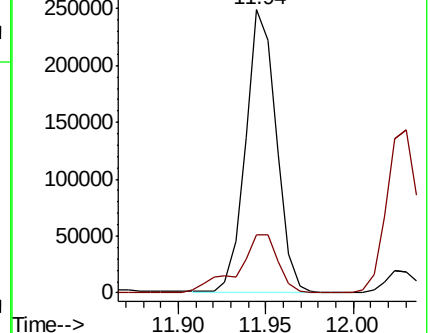
105 100

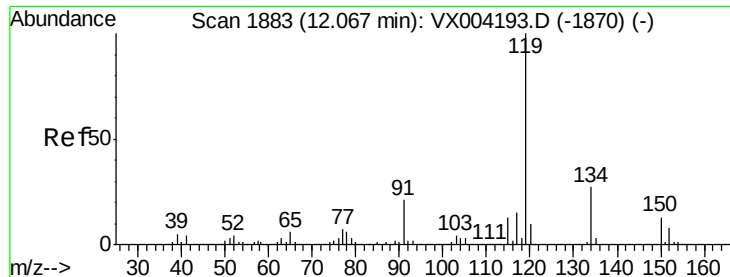
134 27.3 10.5 31.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V





#86

p-Isopropyltoluene

Concen: 21.11 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX004227.D

Acq: 23 Aug 2018 15:26

Instrument :

MSVOA_X

ClientSampleId :

FL-0561

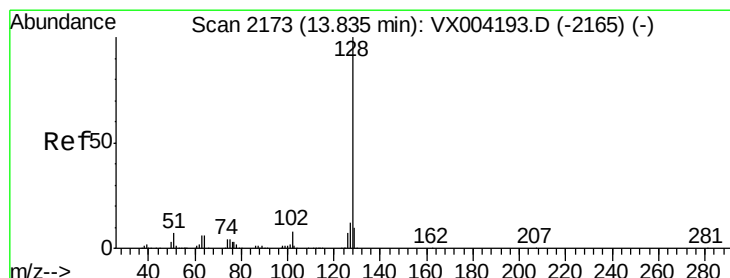
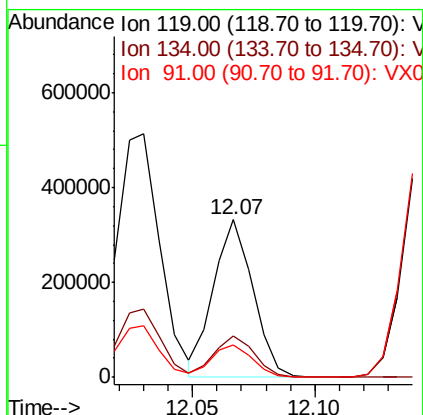
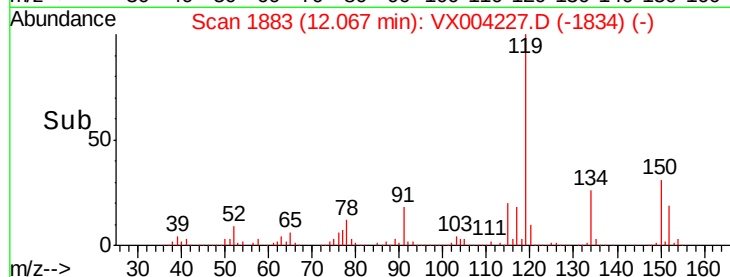
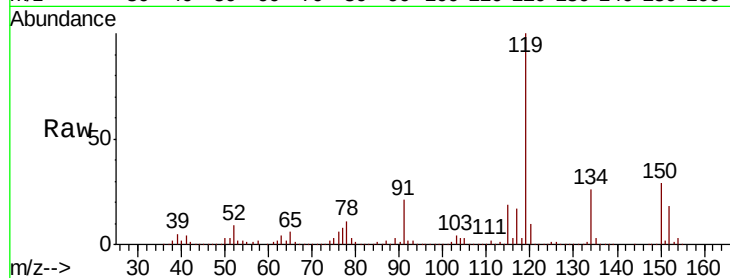
Tot Ion:119 Resp: 371780

Ion Ratio Lower Upper

119 100

134 26.9 13.4 40.2

91 21.4 10.9 32.7



#95

Naphthalene

Concen: 82.52 ug/l

RT: 13.83 min Scan# 2173

Delta R.T. -0.00 min

Lab File: VX004227.D

Acq: 23 Aug 2018 15:26

Tgt Ion:128 Resp: 1628173

Ion Ratio Lower Upper

128 100

127 12.9 10.2 15.2

129 11.4 8.6 12.8

