

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080818\
 Data File : VX003933.D
 Acq On : 08 Aug 2018 19:31
 Operator : JC/MD
 Sample : J4387-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0551

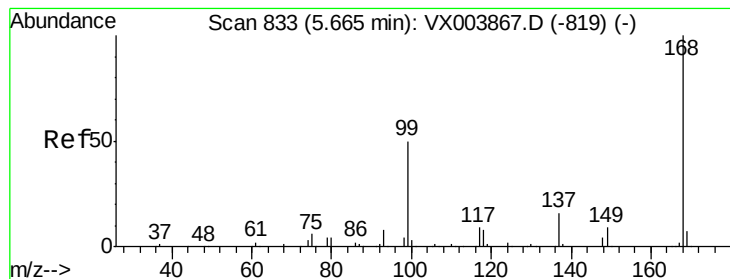
Quant Time: Aug 09 11:07:51 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080618W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 07:45:48 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	328129	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	504451	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	476370	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	261354	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	214222	49.25	ug/l	0.00
Spiked Amount			Recovery	=	98.50%	
35) Dibromofluoromethane	5.51	113	184612	48.31	ug/l	0.00
Spiked Amount			Recovery	=	96.62%	
50) Toluene-d8	8.72	98	716846	48.24	ug/l	0.00
Spiked Amount			Recovery	=	96.48%	
62) 4-Bromofluorobenzene	11.14	95	264282	54.96	ug/l	0.00
Spiked Amount			Recovery	=	109.92%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Cyclohexane	5.57	56	94600	15.09	ug/l	96
39) Methylcyclohexane	7.46	83	138464	20.79	ug/l	97
40) Benzene	6.15	78	234434	13.82	ug/l	99
52) Toluene	8.79	92	290692	27.12	ug/l	100
67) Ethyl Benzene	10.26	91	315443	15.55	ug/l	98
68) m/p-Xylenes	10.36	106	437329	55.16	ug/l	98
69) o-Xylene	10.70	106	79910	10.68	ug/l	94
73) Isopropylbenzene	11.02	105	100459	5.20	ug/l	97
78) n-propylbenzene	11.36	91	146342	6.74	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	286261	18.16	ug/l	100
83) tert-Butylbenzene	11.77	119	10126	0.65	ug/l	86
84) 1,2,4-Trimethylbenzene	11.81	105	920873	58.09	ug/l	99
85) sec-Butylbenzene	11.95	105	34026	1.86	ug/l #	73
86) p-Isopropyltoluene	12.07	119	25693	1.56	ug/l	97
95) Naphthalene	13.83	128	231736	11.90	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.00 min

Lab File: VX003933.D

Acq: 08 Aug 2018 19:31

Instrument :

MSVOA_X

ClientSampled :

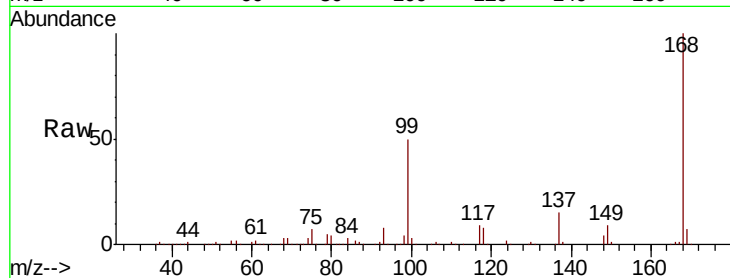
FL-0551

Tot Ion:168 Resp: 328129

Ion Ratio Lower Upper

168 100

99 49.7 40.1 60.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

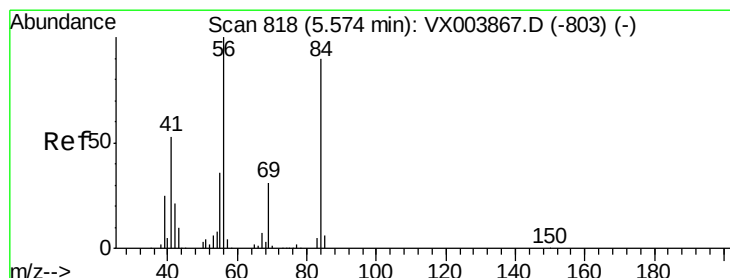
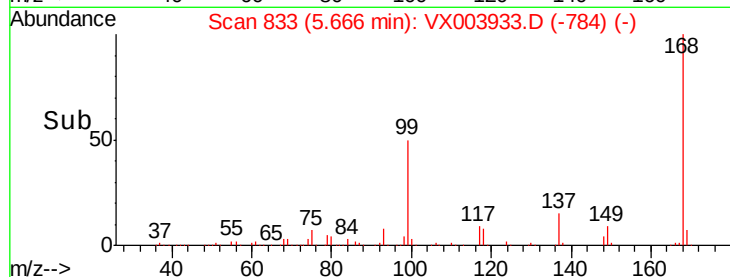
5.67

100000

50000

0

Time-->



#31

Cyclohexane

Concen: 15.09 ug/l

RT: 5.57 min Scan# 818

Delta R.T. 0.00 min

Lab File: VX003933.D

Acq: 08 Aug 2018 19:31

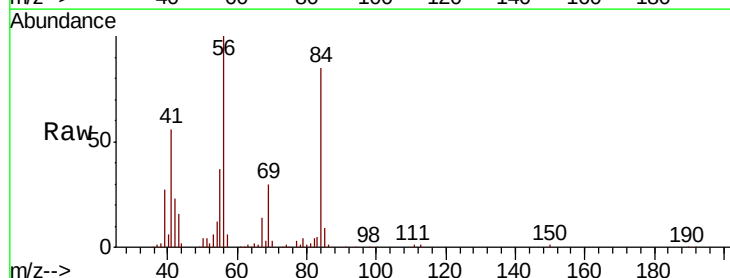
Tgt Ion: 56 Resp: 94600

Ion Ratio Lower Upper

56 100

69 29.3 24.9 37.3

84 85.1 71.7 107.5



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

5.57

40000

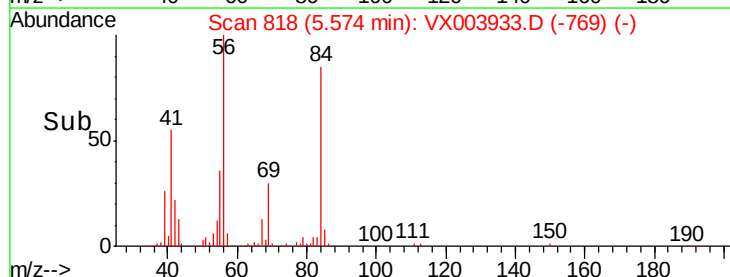
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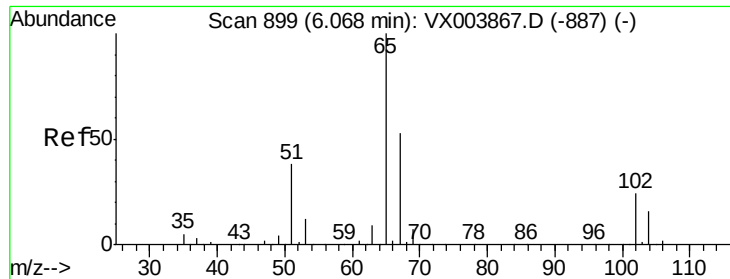
20000

10000

0

Time-->

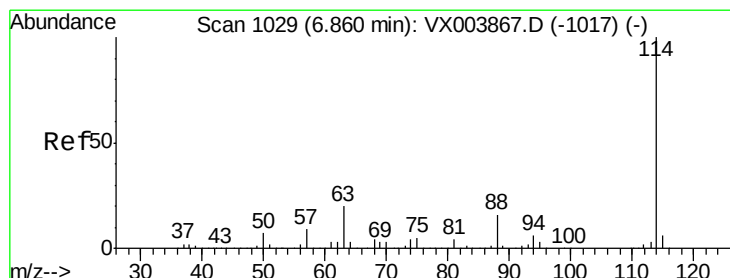
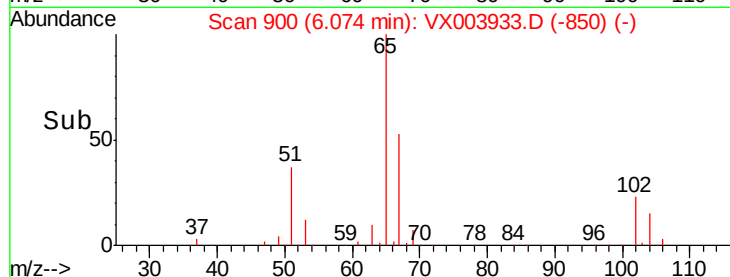
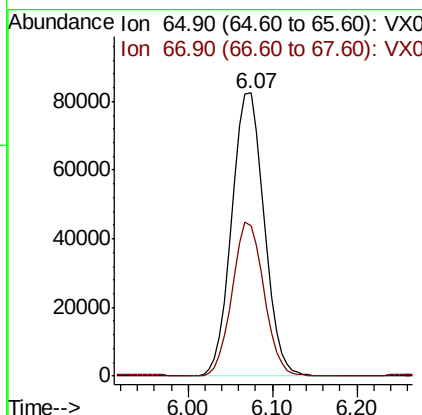
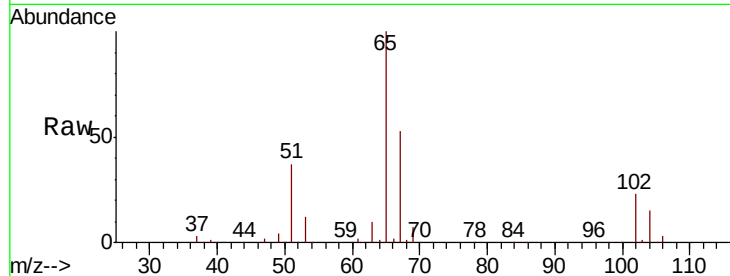




#33
 1,2-Dichloroethane-d4
 Concen: 49.25 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VX003933.D
 Acq: 08 Aug 2018 19:31

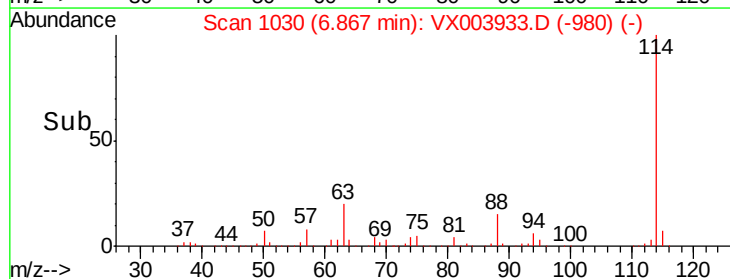
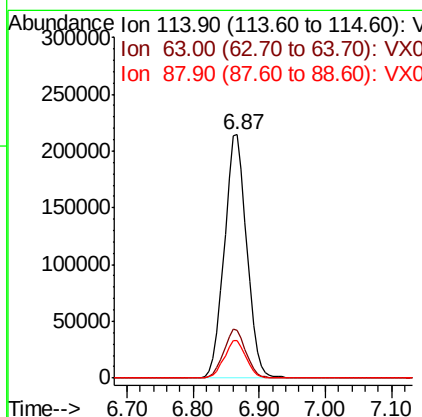
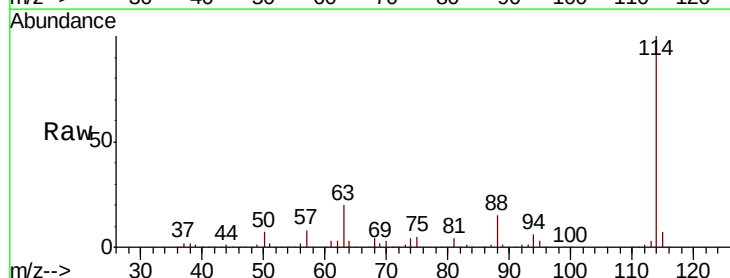
Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0551

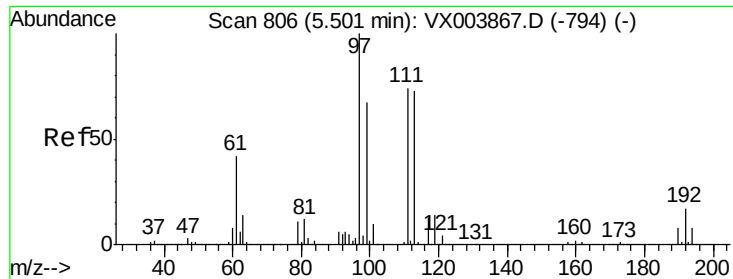
Tot Ion: 65 Resp: 214222
 Ion Ratio Lower Upper
 65 100
 67 53.7 0.0 105.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.01 min
 Lab File: VX003933.D
 Acq: 08 Aug 2018 19:31

Tgt Ion: 114 Resp: 504451
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 39.0
 88 15.4 0.0 32.0

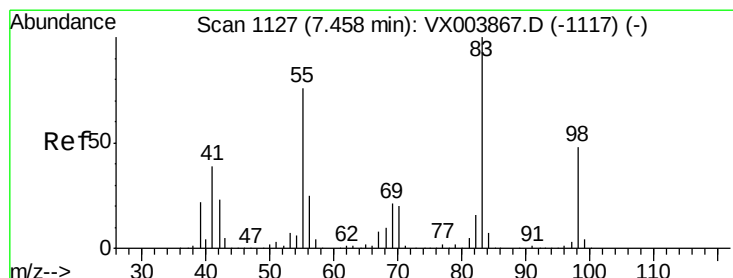
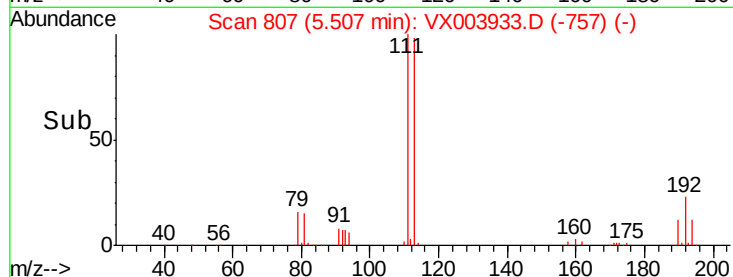
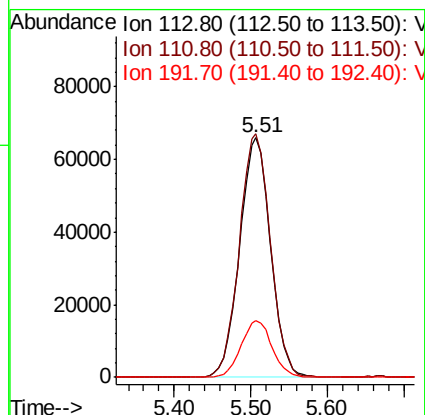
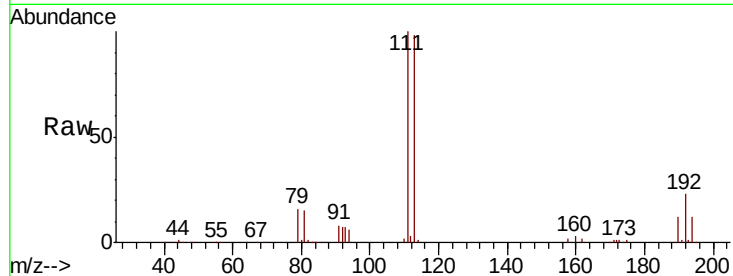




#35
 Dibromofluoromethane
 Concen: 48.31 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. 0.01 min
 Lab File: VX003933.D
 Acq: 08 Aug 2018 19:31

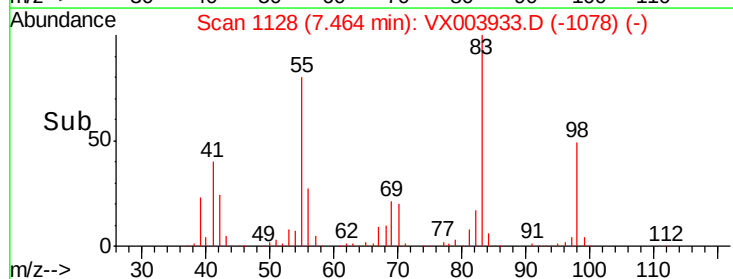
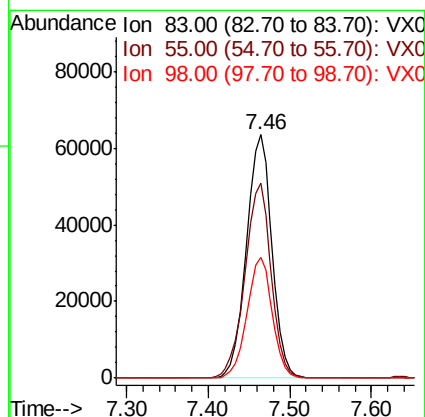
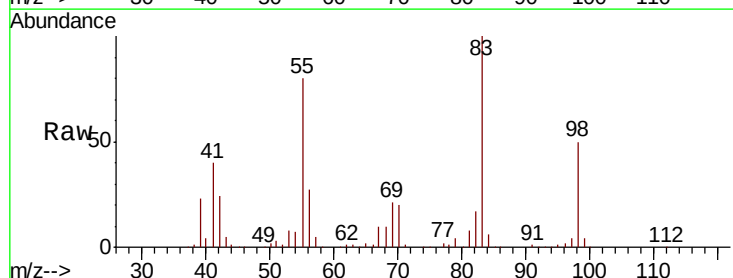
Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0551

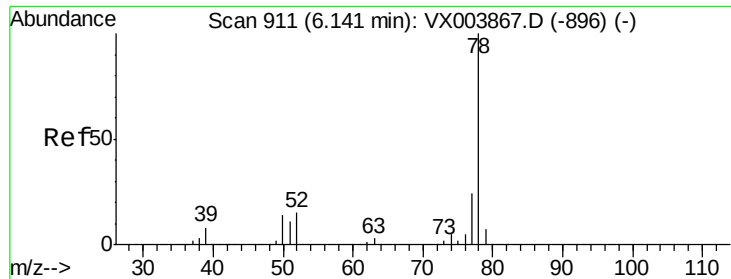
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.3	82.0	123.0
192	23.7	19.0	28.4



#39
 Methylcyclohexane
 Concen: 20.79 ug/l
 RT: 7.46 min Scan# 1128
 Delta R.T. 0.01 min
 Lab File: VX003933.D
 Acq: 08 Aug 2018 19:31

Tgt Ion	Ratio	Lower	Upper
83	100		
55	79.9	61.0	91.6
98	49.6	38.6	57.8





#40

Benzene

Concen: 13.82 ug/l

RT: 6.15 min Scan# 912

Delta R.T. 0.01 min

Lab File: VX003933.D

Acq: 08 Aug 2018 19:31

Instrument :

MSVOA_X

ClientSampleId :

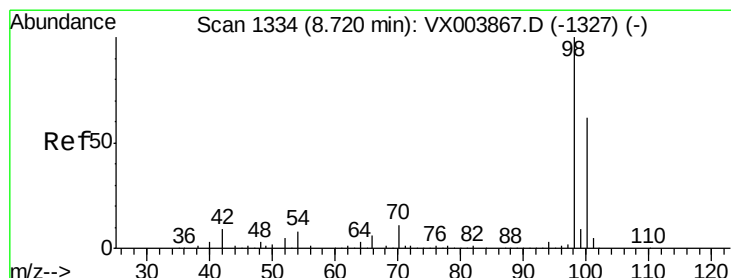
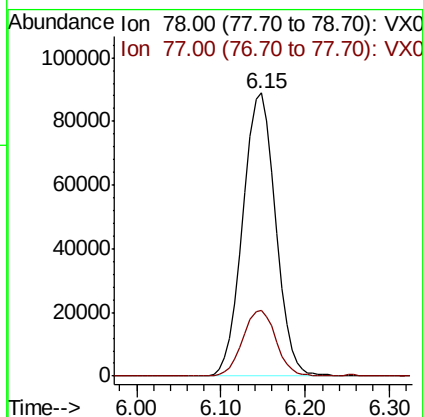
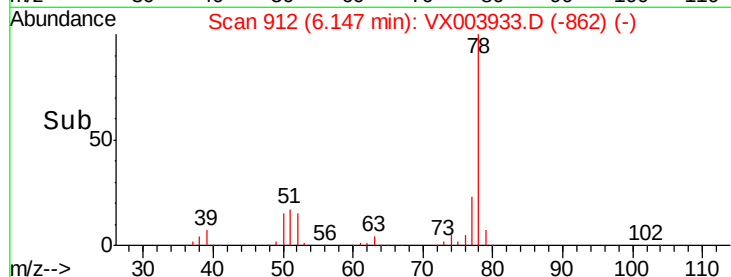
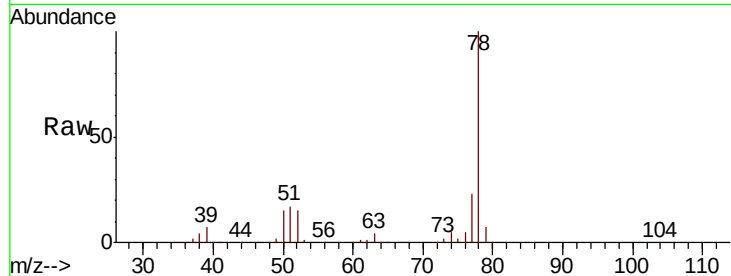
FL-0551

Tot Ion: 78 Resp: 234434

Ion Ratio Lower Upper

78 100

77 23.2 19.0 28.4



#50

Toluene-d8

Concen: 48.24 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX003933.D

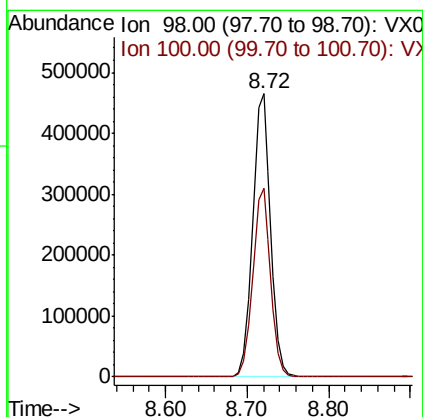
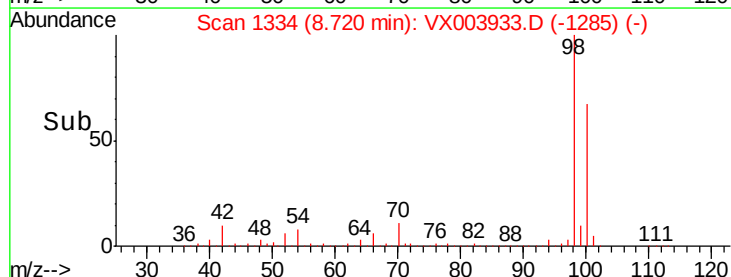
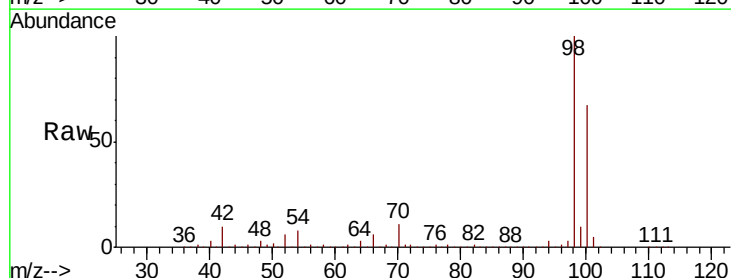
Acq: 08 Aug 2018 19:31

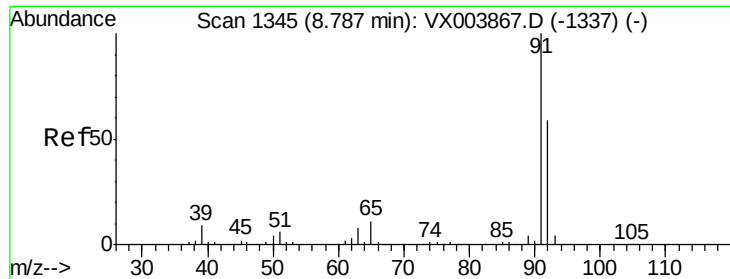
Tgt Ion: 98 Resp: 716846

Ion Ratio Lower Upper

98 100

100 66.2 53.3 79.9





#52

Toluene

Concen: 27.12 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX003933.D

Acq: 08 Aug 2018 19:31

Instrument :

MSVOA_X

ClientSampleId :

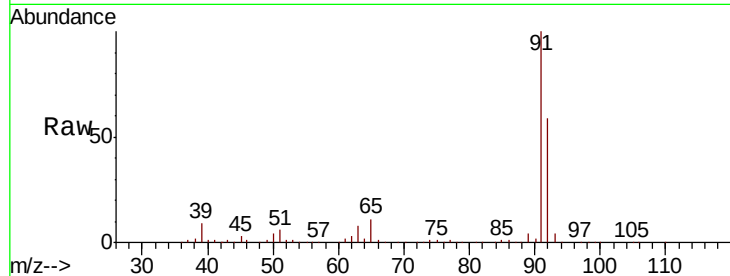
FL-0551

Tot Ion: 92 Resp: 290692

Ion Ratio Lower Upper

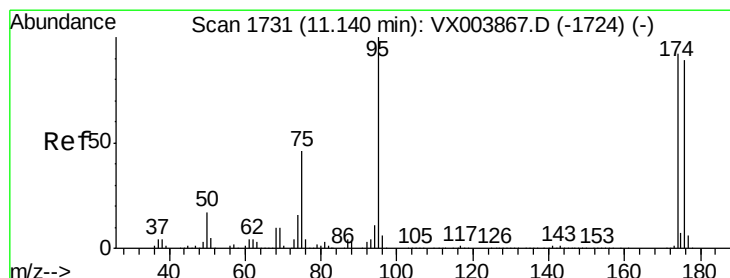
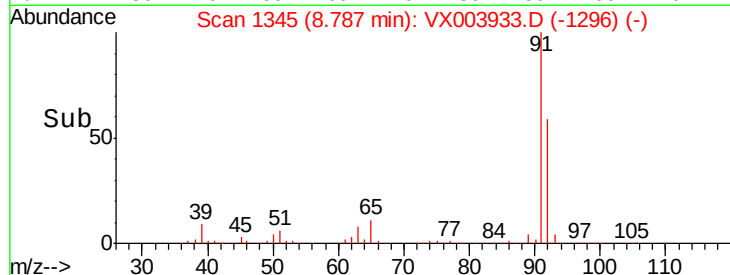
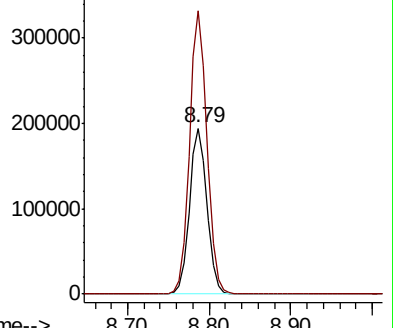
92 100

91 170.2 136.1 204.1



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#62

4-Bromofluorobenzene

Concen: 54.96 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003933.D

Acq: 08 Aug 2018 19:31

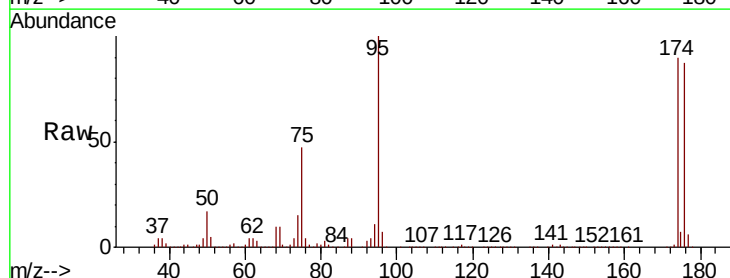
Tgt Ion: 95 Resp: 264282

Ion Ratio Lower Upper

95 100

174 89.9 0.0 182.8

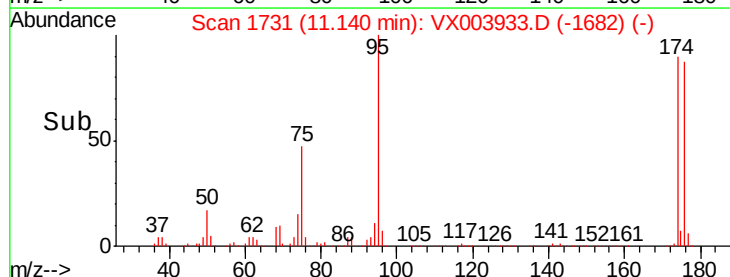
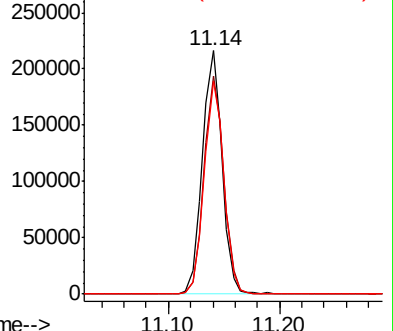
176 87.2 0.0 179.0

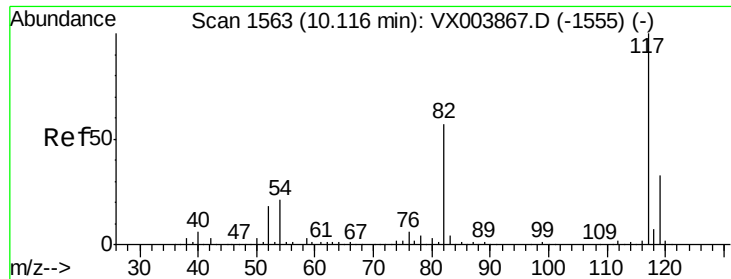


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

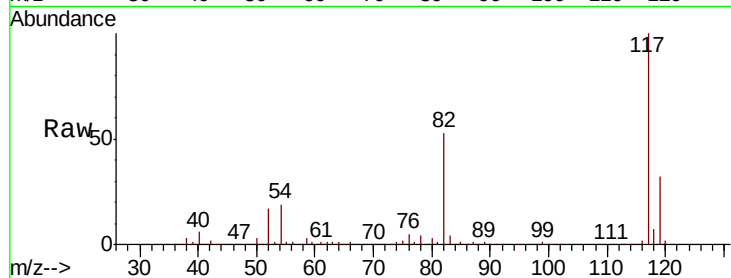




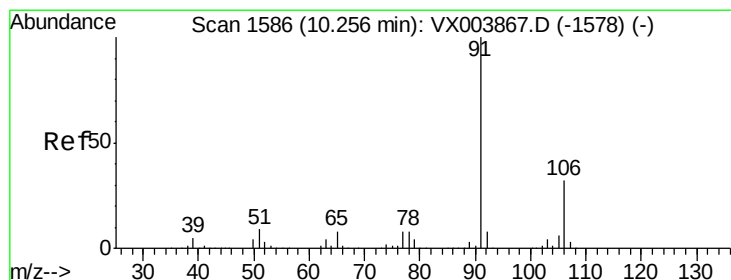
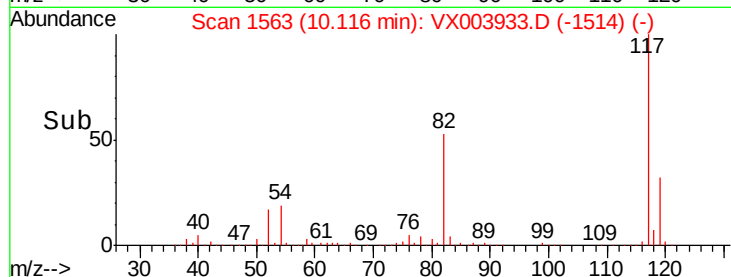
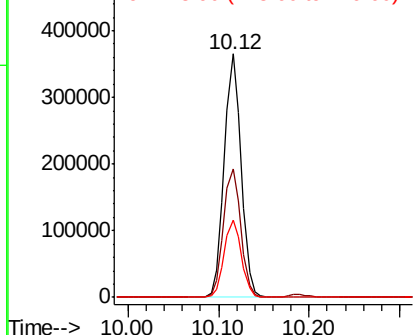
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003933.D
Acq: 08 Aug 2018 19:31

Instrument :
MSVOA_X
ClientSampled :
FL-0551

Tot Ion:117 Resp: 476370
Ion Ratio Lower Upper
117 100
82 52.9 45.4 68.0
119 31.9 26.6 40.0

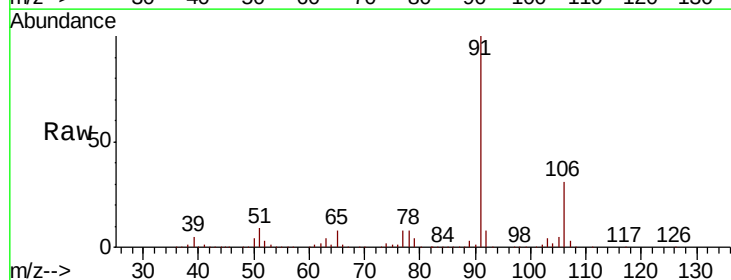


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

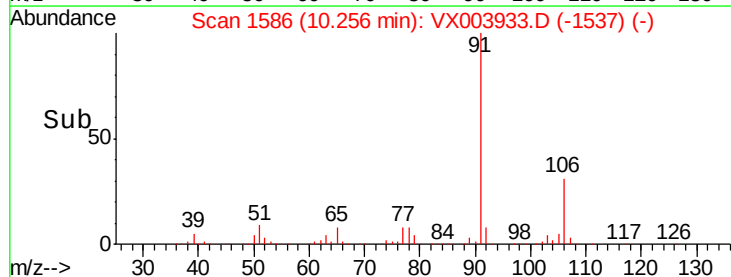
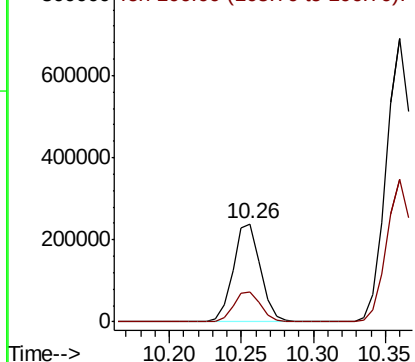


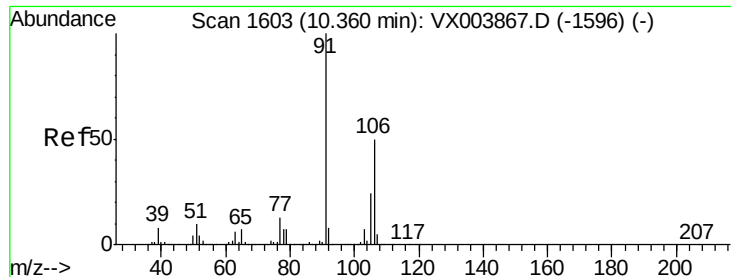
#67
Ethyl Benzene
Concen: 15.55 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VX003933.D
Acq: 08 Aug 2018 19:31

Tgt Ion: 91 Resp: 315443
Ion Ratio Lower Upper
91 100
106 31.2 25.9 38.9



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

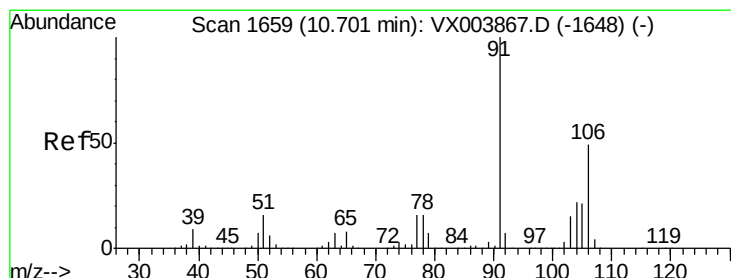
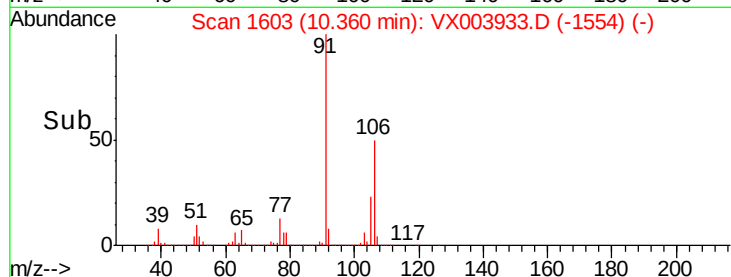
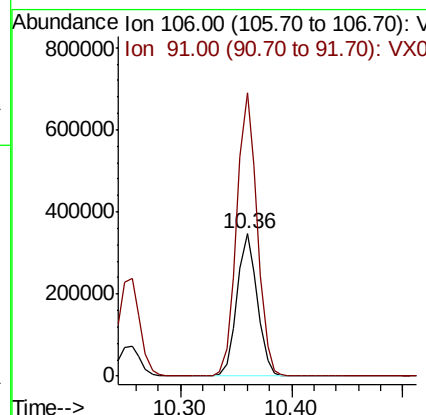
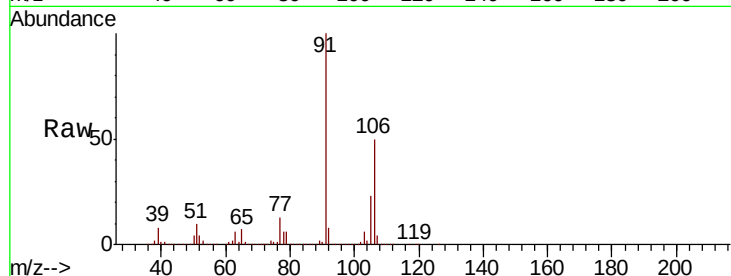




#68
m/p-Xylenes
Concen: 55.16 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VX003933.D
Acq: 08 Aug 2018 19:31

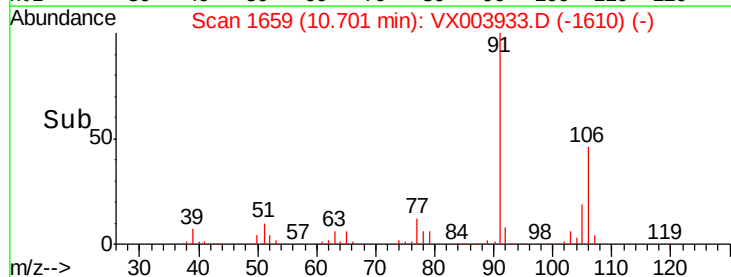
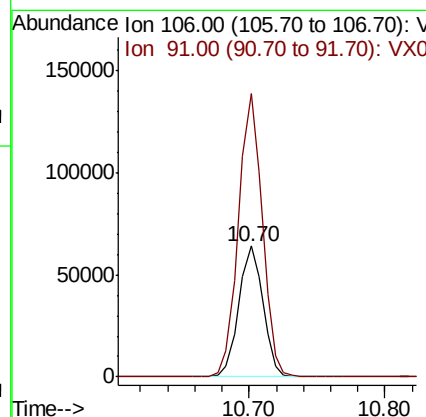
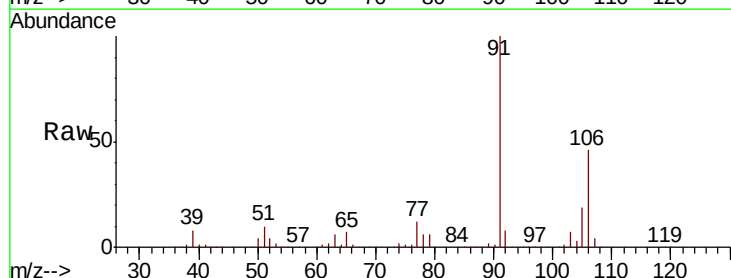
Instrument :
MSVOA_X
ClientSampleId :
FL-0551

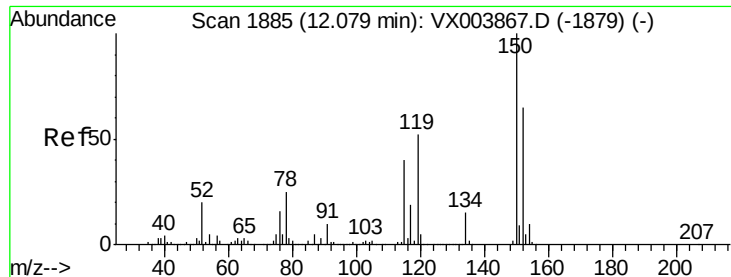
Tot Ion:106 Resp: 437329
Ion Ratio Lower Upper
106 100
91 200.5 162.3 243.5



#69
o-Xylene
Concen: 10.68 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX003933.D
Acq: 08 Aug 2018 19:31

Tgt Ion:106 Resp: 79910
Ion Ratio Lower Upper
106 100
91 212.7 101.9 305.7

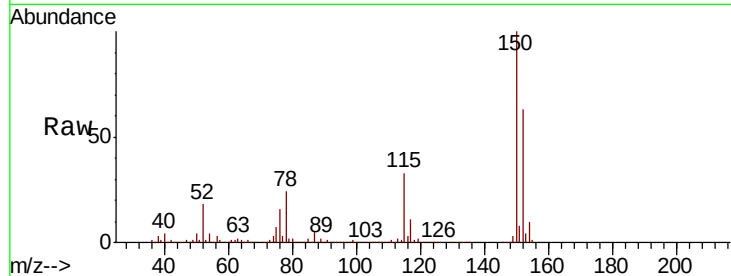




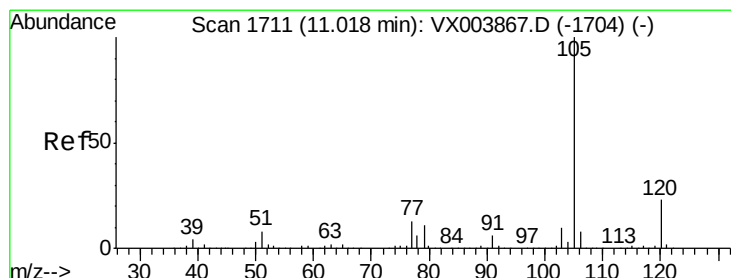
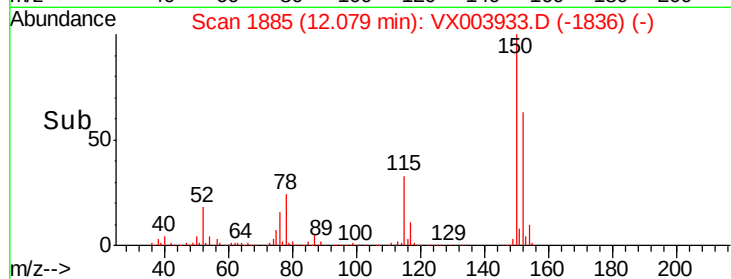
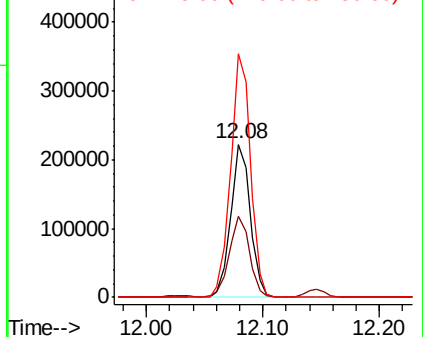
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 12.08 min Scan# 1885
 Delta R.T. 0.00 min
 Lab File: VX003933.D
 Acq: 08 Aug 2018 19:31

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0551

Tot Ion:152 Resp: 261354
 Ion Ratio Lower Upper
 152 100
 115 54.5 39.1 117.3
 150 160.8 0.0 349.2

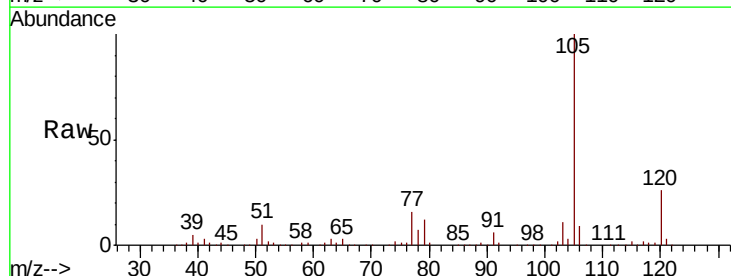


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 114.90 (114.60 to 115.60): V
 Ion 149.90 (149.60 to 150.60): V

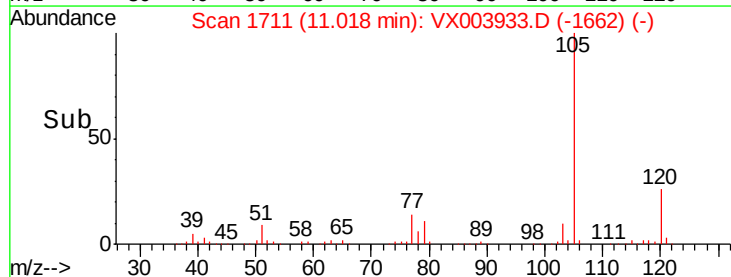
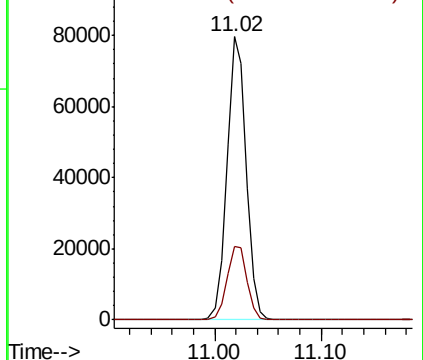


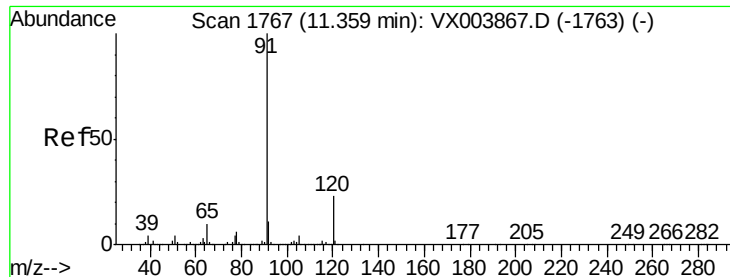
#73
 Isopropylbenzene
 Concen: 5.20 ug/l
 RT: 11.02 min Scan# 1711
 Delta R.T. 0.00 min
 Lab File: VX003933.D
 Acq: 08 Aug 2018 19:31

Tgt Ion:105 Resp: 100459
 Ion Ratio Lower Upper
 105 100
 120 26.9 12.6 37.8



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





#78

n-propylbenzene

Concen: 6.74 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. 0.00 min

Lab File: VX003933.D

Acq: 08 Aug 2018 19:31

Instrument :

MSVOA_X

ClientSampled :

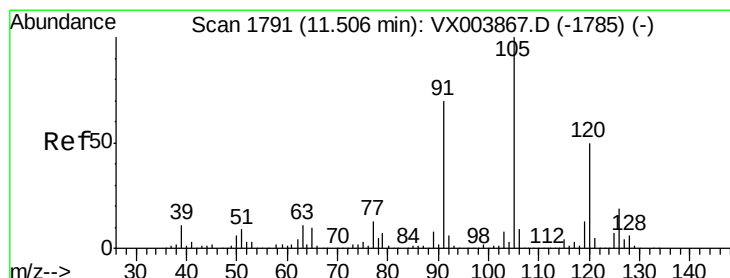
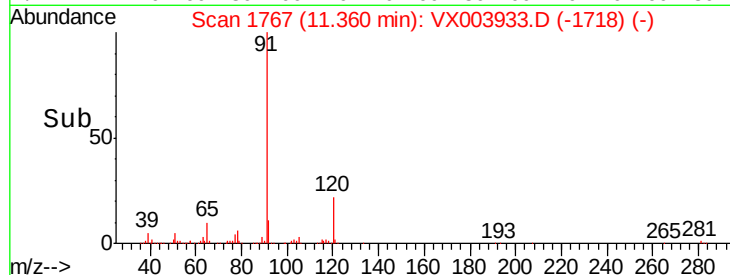
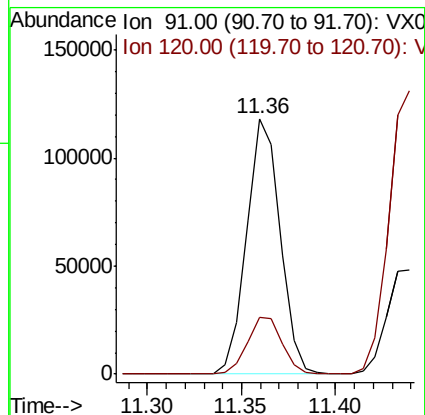
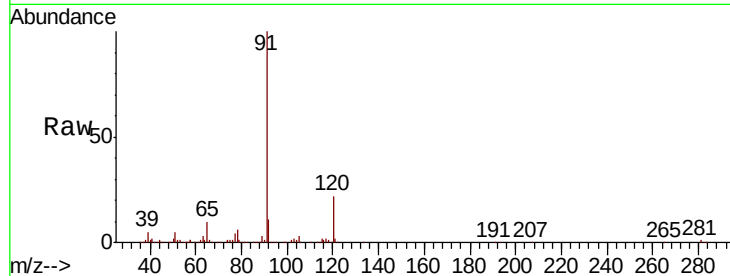
FL-0551

Tot Ion: 91 Resp: 146342

Ion Ratio Lower Upper

91 100

120 23.1 11.9 35.5



#80

1,3,5-Trimethylbenzene

Concen: 18.16 ug/l

RT: 11.51 min Scan# 1791

Delta R.T. 0.00 min

Lab File: VX003933.D

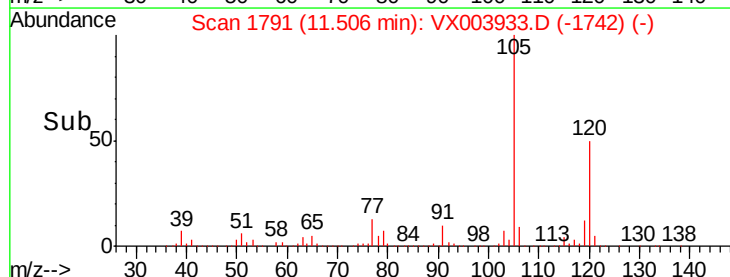
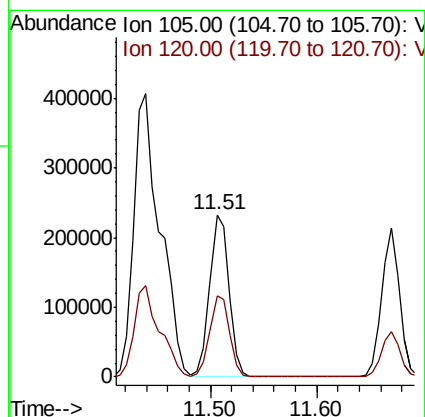
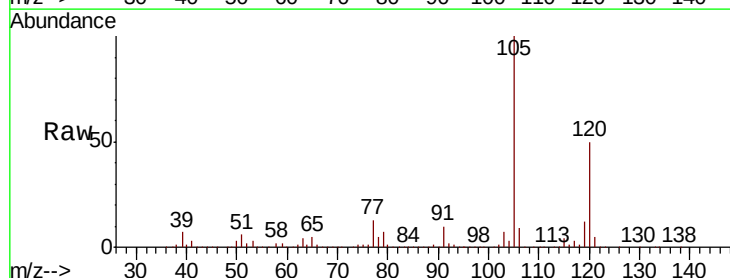
Acq: 08 Aug 2018 19:31

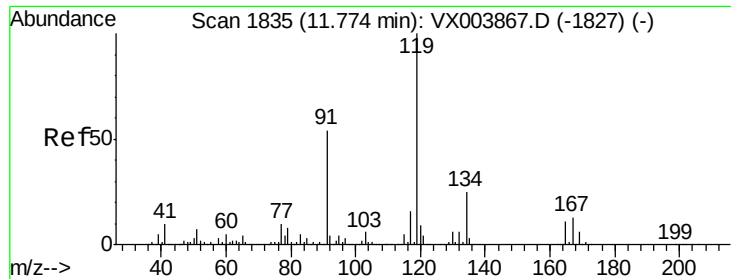
Tgt Ion:105 Resp: 286261

Ion Ratio Lower Upper

105 100

120 50.6 25.4 76.2

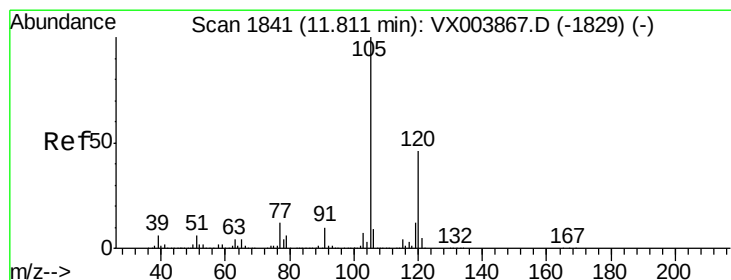
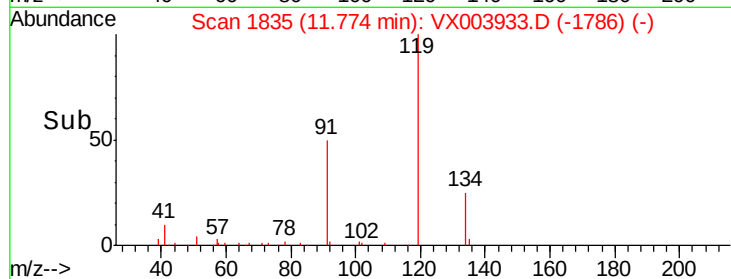
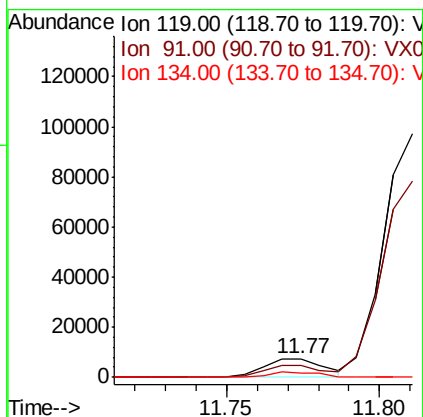
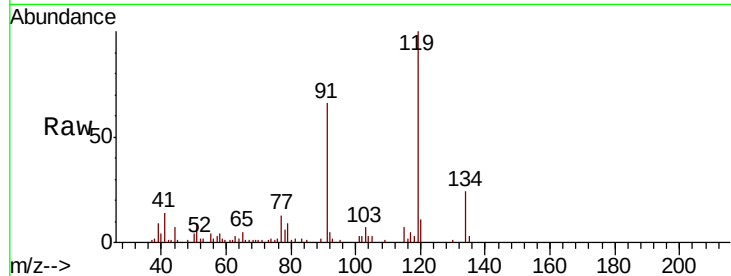




#83
 tert-Butylbenzene
 Concen: 0.65 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX003933.D
 Acq: 08 Aug 2018 19:31

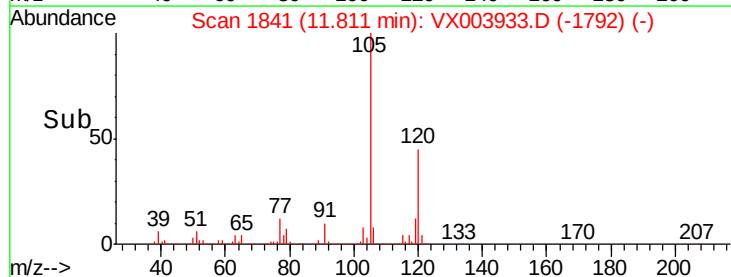
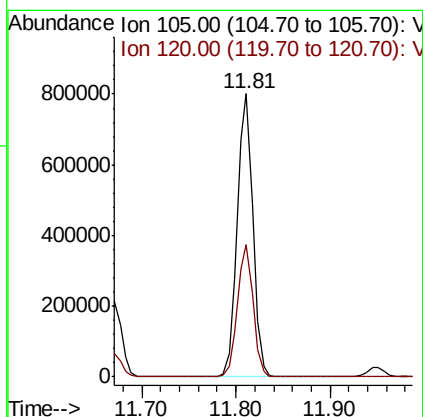
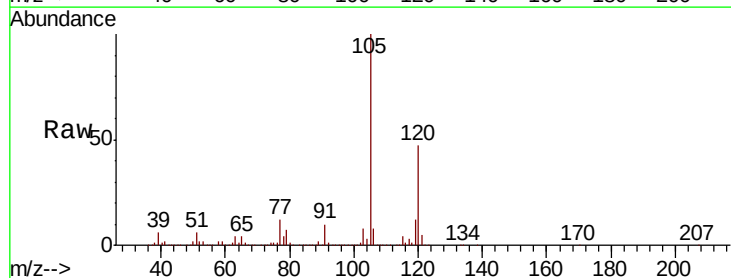
Instrument :
 MSVOA_X
 ClientSampled :
 FL-0551

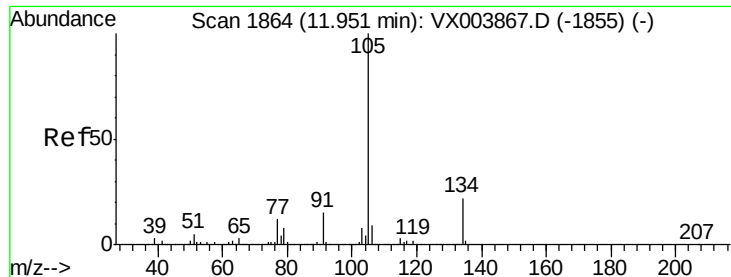
Tot Ion:119 Resp: 10126
 Ion Ratio Lower Upper
 119 100
 91 65.3 26.9 80.7
 134 28.8 12.0 36.0



#84
 1,2,4-Trimethylbenzene
 Concen: 58.09 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX003933.D
 Acq: 08 Aug 2018 19:31

Tgt Ion:105 Resp: 920873
 Ion Ratio Lower Upper
 105 100
 120 46.5 23.1 69.2

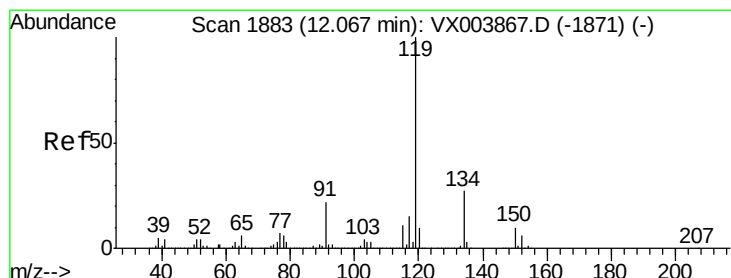
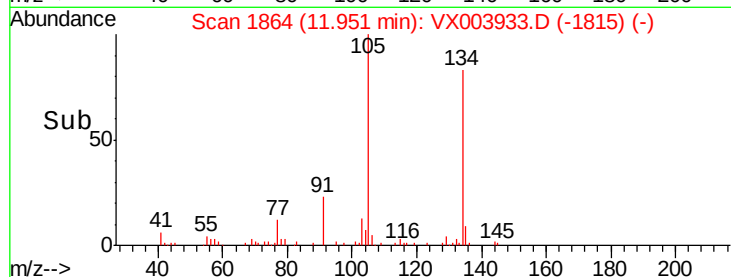
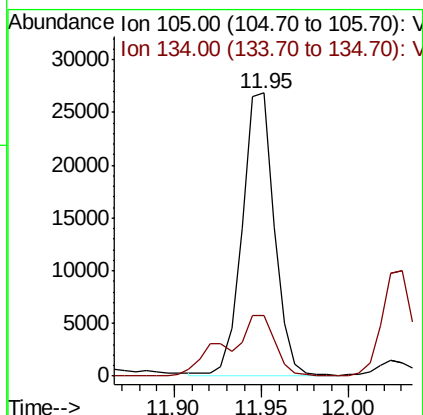
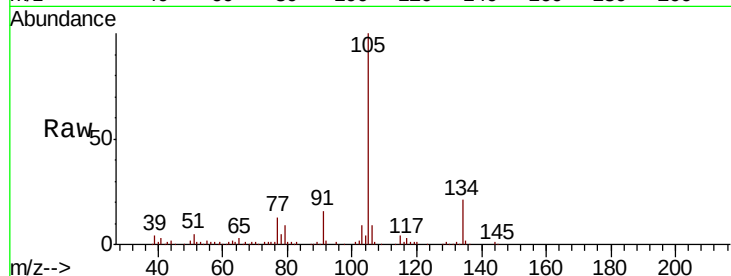




#85
 sec-Butylbenzene
 Concen: 1.86 ug/l
 RT: 11.95 min Scan# 1864
 Delta R.T. 0.00 min
 Lab File: VX003933.D
 Acq: 08 Aug 2018 19:31

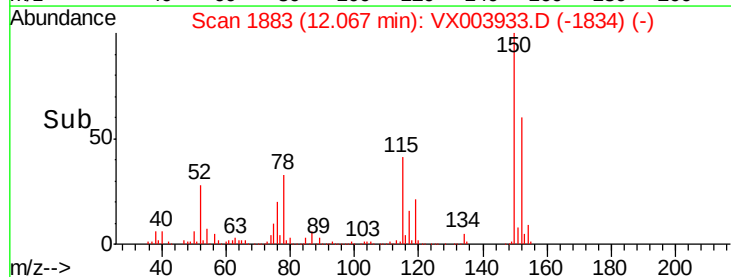
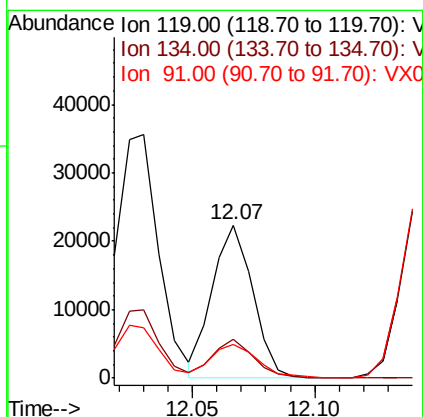
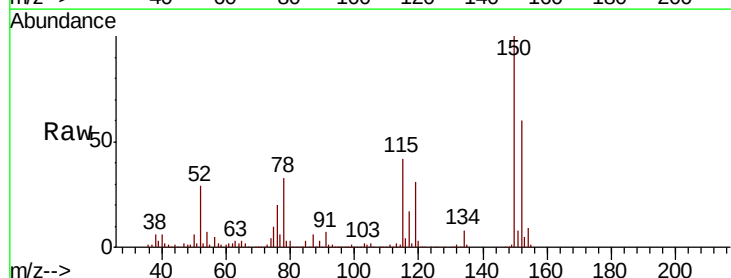
Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0551

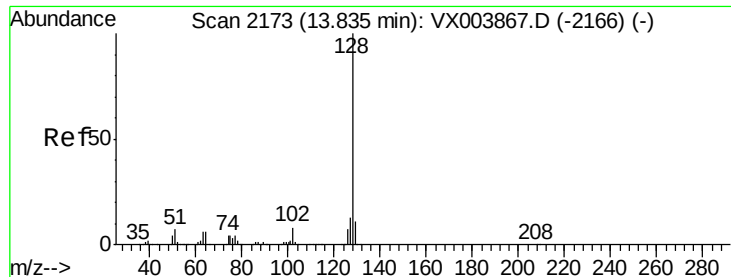
Tot Ion:105 Resp: 34026
 Ion Ratio Lower Upper
 105 100
 134 33.0 10.3 30.9#



#86
 p-Isopropyltoluene
 Concen: 1.56 ug/l
 RT: 12.07 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VX003933.D
 Acq: 08 Aug 2018 19:31

Tgt Ion:119 Resp: 25693
 Ion Ratio Lower Upper
 119 100
 134 25.8 13.3 39.8
 91 24.4 10.9 32.7





#95
Naphthalene
Concen: 11.90 ug/l
RT: 13.83 min Scan# 2173
Delta R.T. 0.00 min
Lab File: VX003933.D
Acq: 08 Aug 2018 19:31

Instrument :
MSVOA_X
ClientSampleId :
FL-0551

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.2
129	11.2	8.8	13.2

