

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080818\
 Data File : VX003931.D
 Acq On : 08 Aug 2018 18:38
 Operator : JC/MD
 Sample : J4387-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0550

Quant Time: Aug 09 11:02:28 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	326190	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	490070	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	473085	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	252352	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	210914	48.78	ug/l	0.00
Spiked Amount			Recovery	=	97.56%	
35) Dibromofluoromethane	5.51	113	180547	48.63	ug/l	0.00
Spiked Amount			Recovery	=	97.26%	
50) Toluene-d8	8.72	98	723838	50.14	ug/l	0.00
Spiked Amount			Recovery	=	100.28%	
62) 4-Bromofluorobenzene	11.14	95	261862	56.05	ug/l	0.00
Spiked Amount			Recovery	=	112.10%	

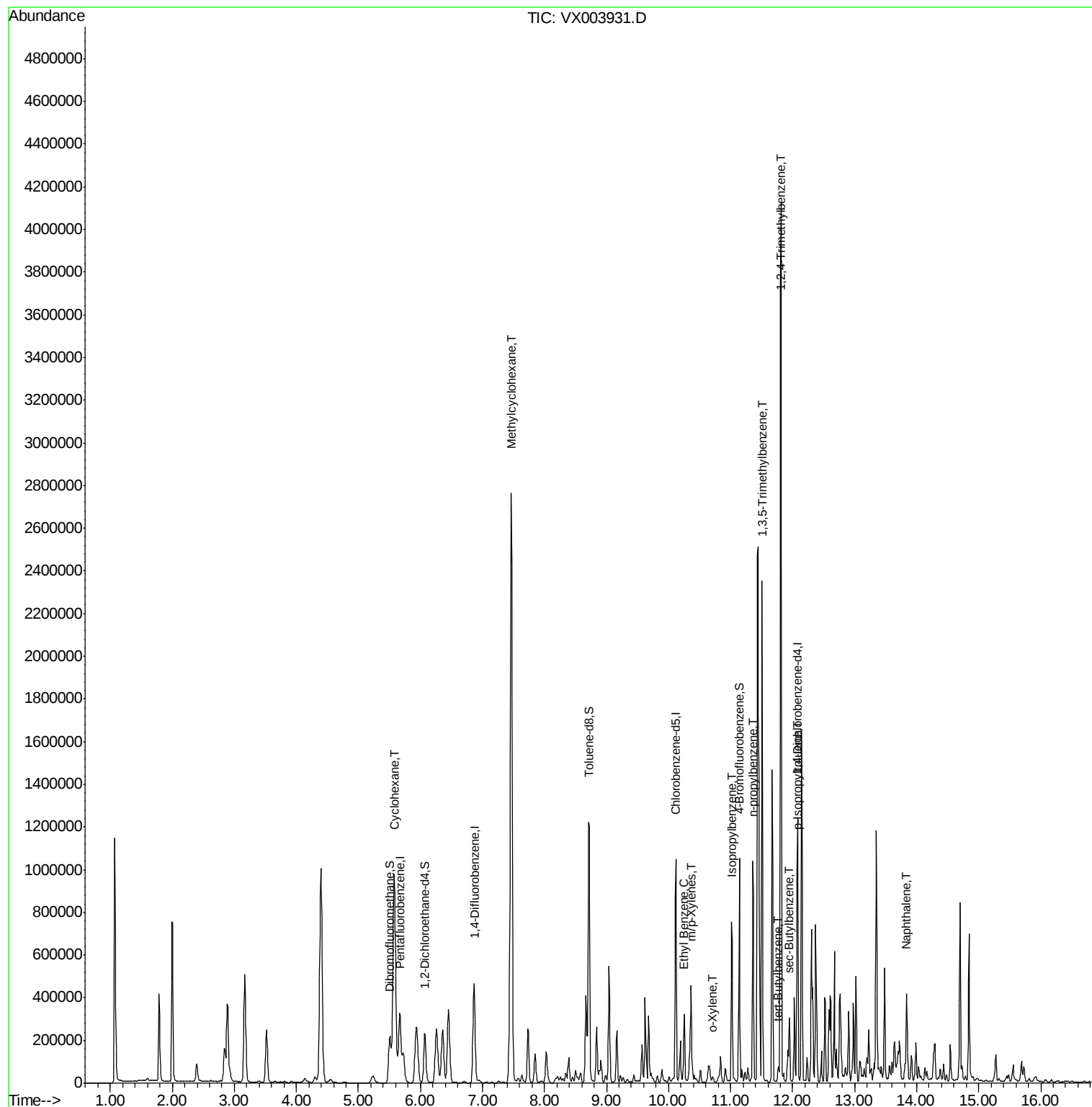
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Cyclohexane	5.57	56	684689	109.87	ug/l	98
39) Methylcyclohexane	7.46	83	1262461	195.08	ug/l	99
67) Ethyl Benzene	10.26	91	175644	8.72	ug/l	98
68) m/p-Xylenes	10.36	106	85785	10.90	ug/l	98
69) o-Xylene	10.70	106	3399	0.46	ug/l	98
73) Isopropylbenzene	11.02	105	387237	20.74	ug/l	97
78) n-propylbenzene	11.36	91	602521	28.74	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	1007426	66.18	ug/l	98
83) tert-Butylbenzene	11.77	119	27113	1.81	ug/l	85
84) 1,2,4-Trimethylbenzene	11.81	105	1785293	116.64	ug/l	99
85) sec-Butylbenzene	11.95	105	160066	9.06	ug/l	78
86) p-Isopropyltoluene	12.07	119	86130	5.43	ug/l	97
95) Naphthalene	13.83	128	256042	13.62	ug/l	97

(#) = 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. 0.00 min

Lab File: VX003931.D

Acq: 08 Aug 2018 18:38

Instrument :

MSVOA_X

ClientSampled :

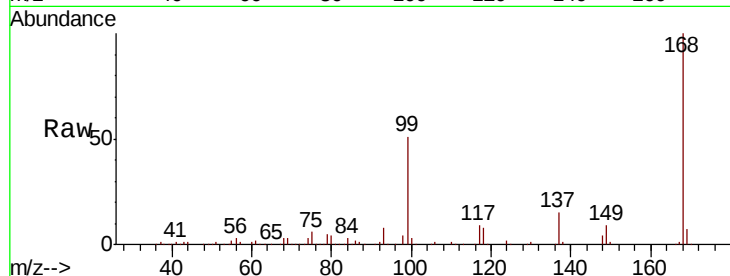
FL-0550

Tot Ion:168 Resp: 326190

Ion Ratio Lower Upper

168 100

99 51.3 40.1 60.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

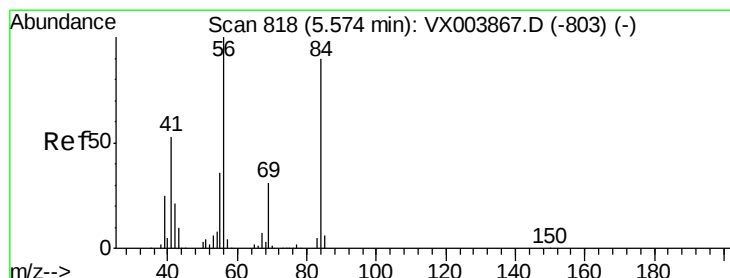
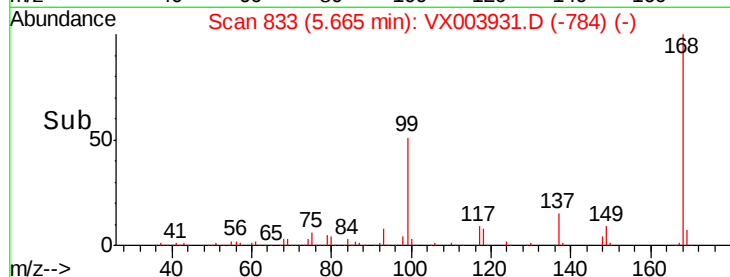
5.67

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#31

Cyclohexane

Concen: 109.87 ug/l

RT: 5.57 min Scan# 818

Delta R.T. 0.00 min

Lab File: VX003931.D

Acq: 08 Aug 2018 18:38

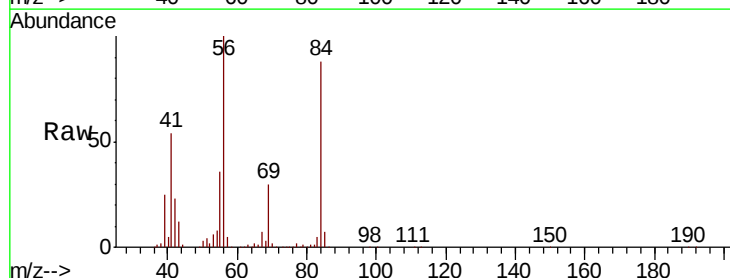
Tgt Ion: 56 Resp: 684689

Ion Ratio Lower Upper

56 100

69 30.2 24.9 37.3

84 87.8 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

300000

250000

200000

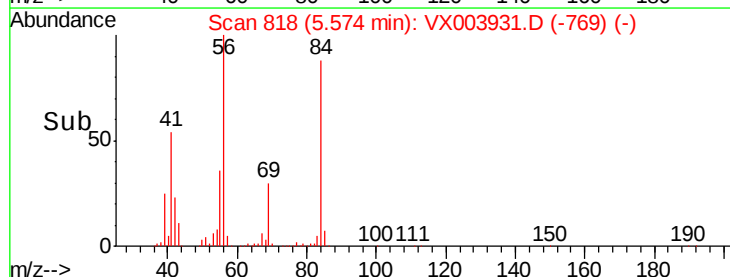
150000

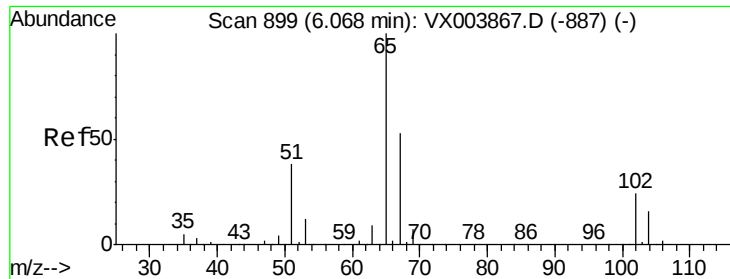
100000

50000

0

Time--> 5.40 5.50 5.60 5.70

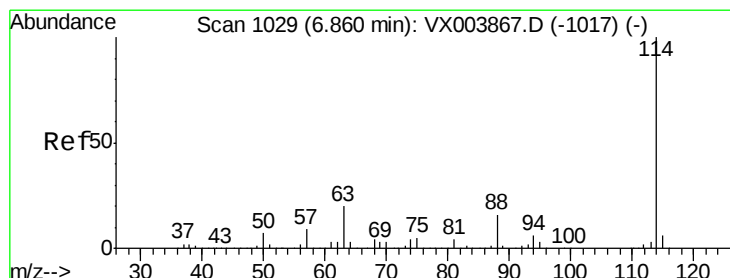
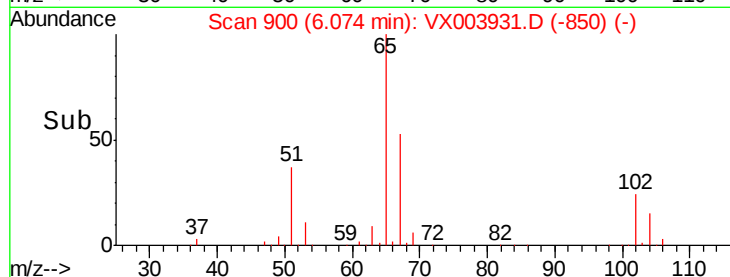
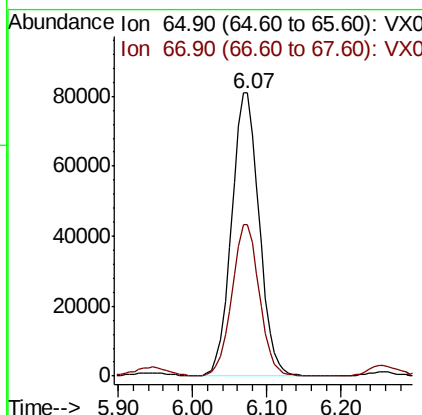
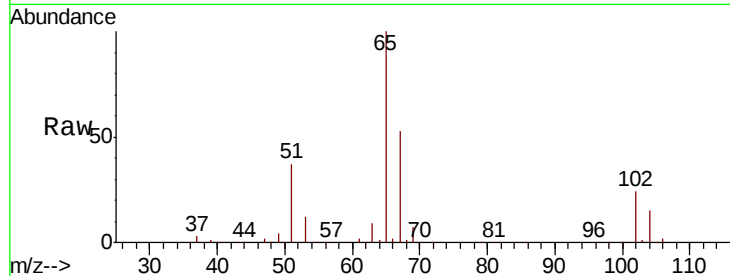




#33
 1,2-Dichloroethane-d4
 Concen: 48.78 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VX003931.D
 Acq: 08 Aug 2018 18:38

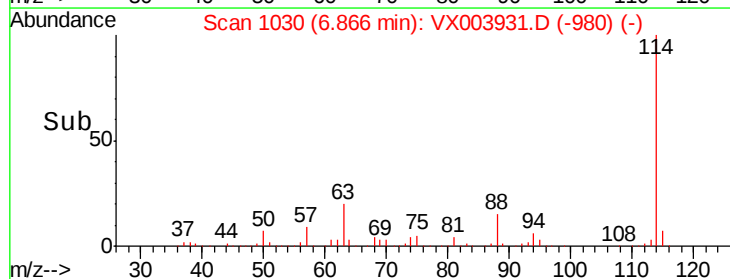
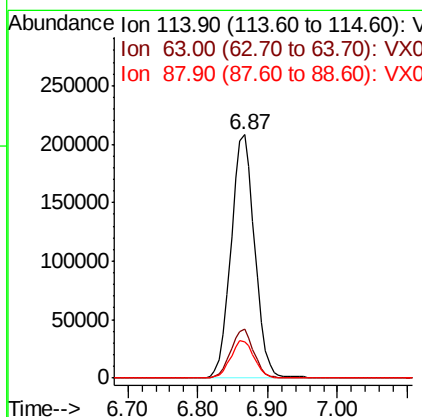
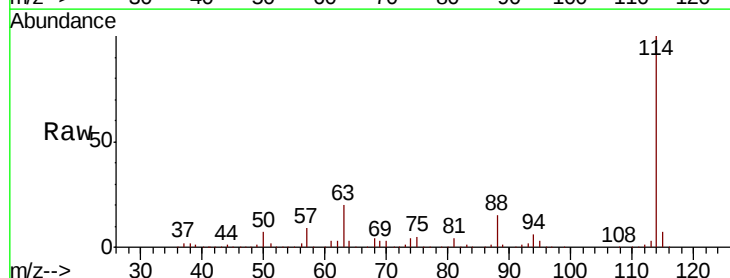
Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0550

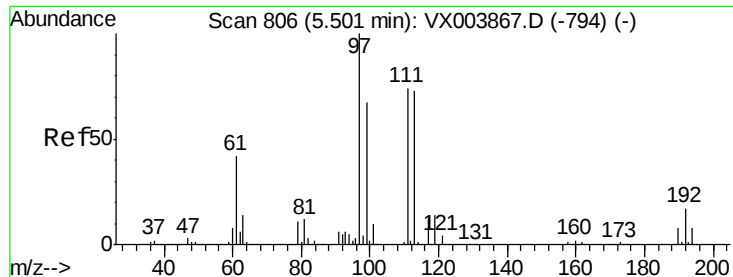
Tot Ion: 65 Resp: 210914
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 105.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.01 min
 Lab File: VX003931.D
 Acq: 08 Aug 2018 18:38

Tgt Ion: 114 Resp: 490070
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 39.0
 88 15.0 0.0 32.0

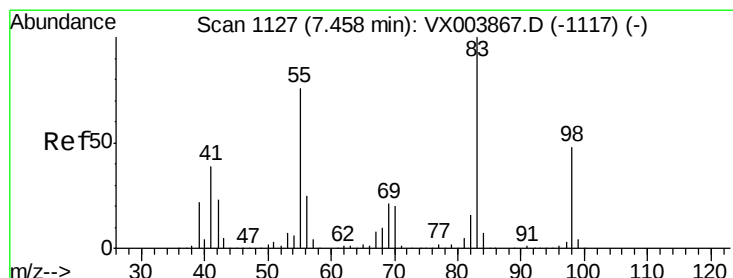
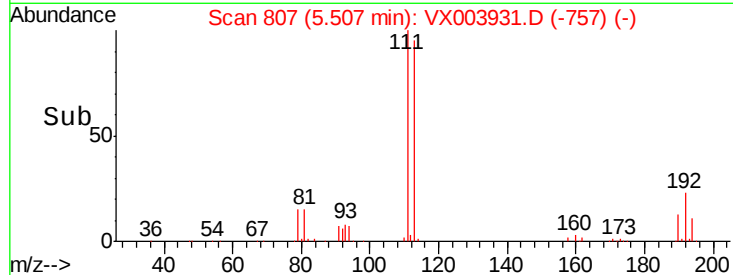
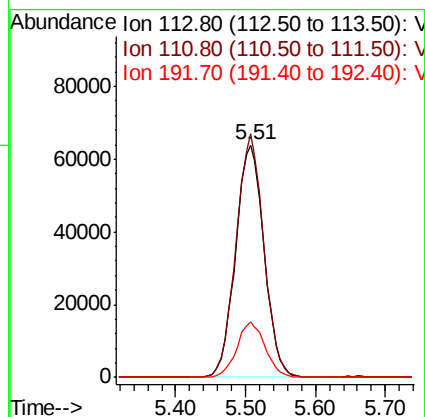
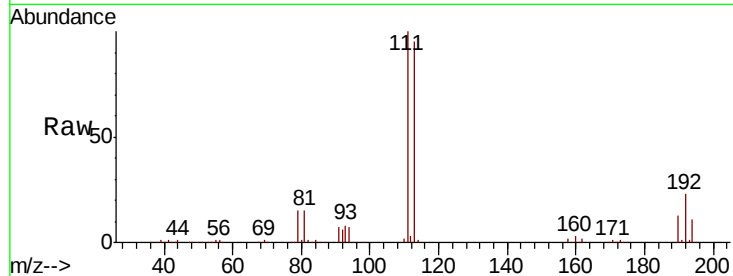




#35
 Dibromofluoromethane
 Concen: 48.63 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. 0.01 min
 Lab File: VX003931.D
 Acq: 08 Aug 2018 18:38

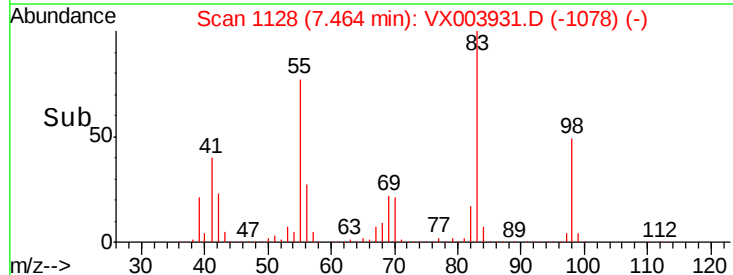
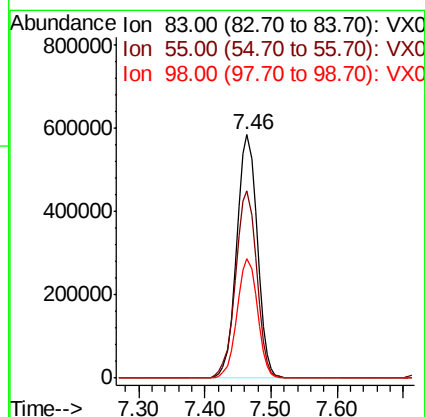
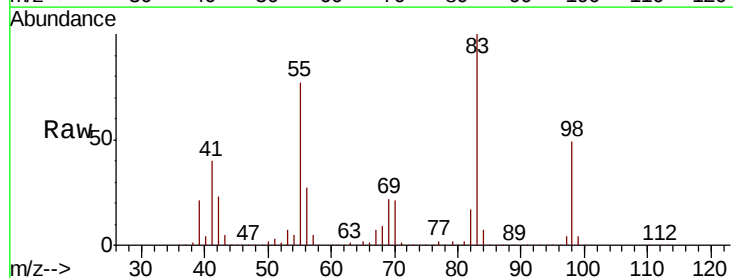
Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0550

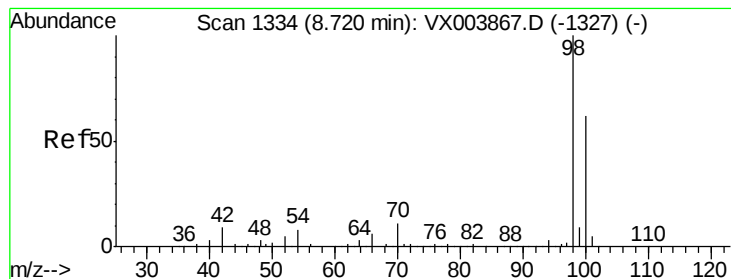
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.1	82.0	123.0
192	23.6	19.0	28.4



#39
 Methylcyclohexane
 Concen: 195.08 ug/l
 RT: 7.46 min Scan# 1128
 Delta R.T. 0.01 min
 Lab File: VX003931.D
 Acq: 08 Aug 2018 18:38

Tgt Ion	Ratio	Lower	Upper
83	100		
55	76.8	61.0	91.6
98	49.2	38.6	57.8





#50

Toluene-d8

Concen: 50.14 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX003931.D

Acq: 08 Aug 2018 18:38

Instrument :

MSVOA_X

ClientSampled :

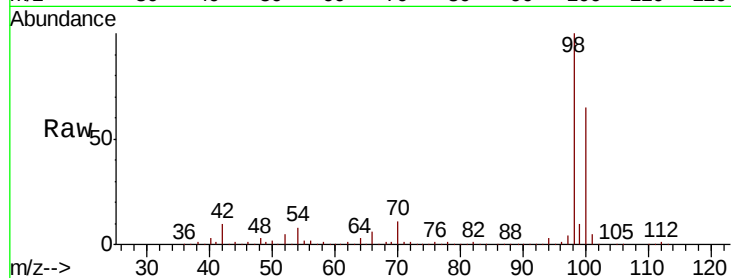
FL-0550

Tot Ion: 98 Resp: 723838

Ion Ratio Lower Upper

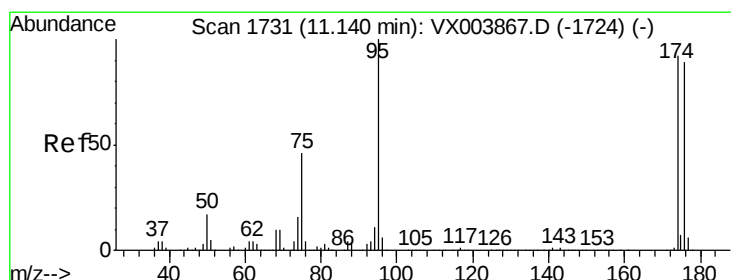
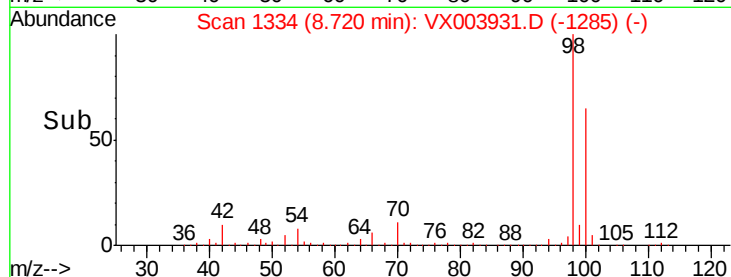
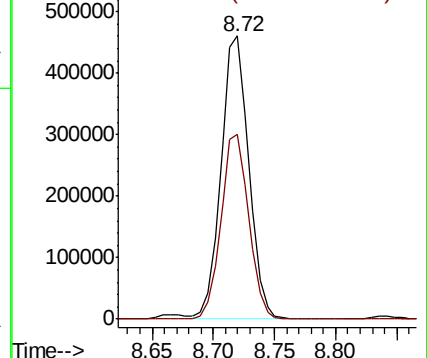
98 100

100 65.8 53.3 79.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



#62

4-Bromofluorobenzene

Concen: 56.05 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003931.D

Acq: 08 Aug 2018 18:38

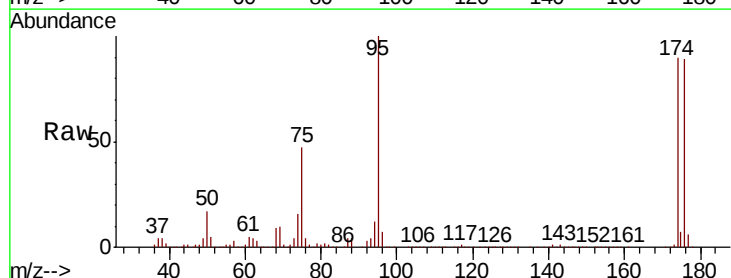
Tgt Ion: 95 Resp: 261862

Ion Ratio Lower Upper

95 100

174 88.9 0.0 182.8

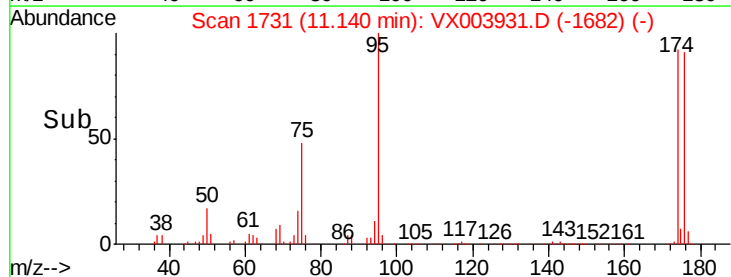
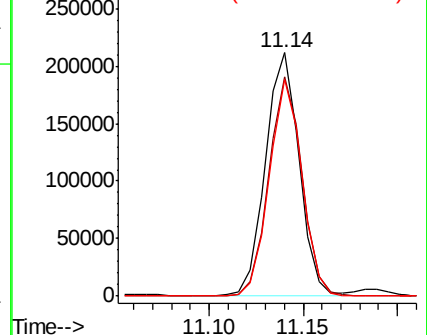
176 86.7 0.0 179.0

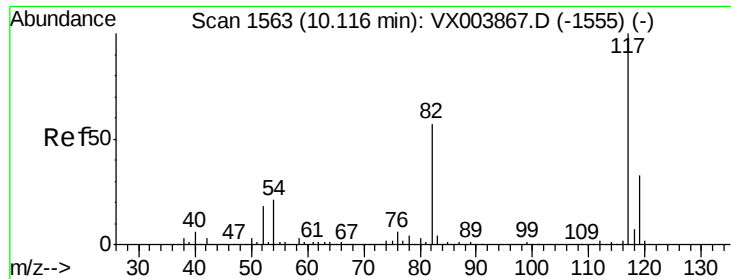


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

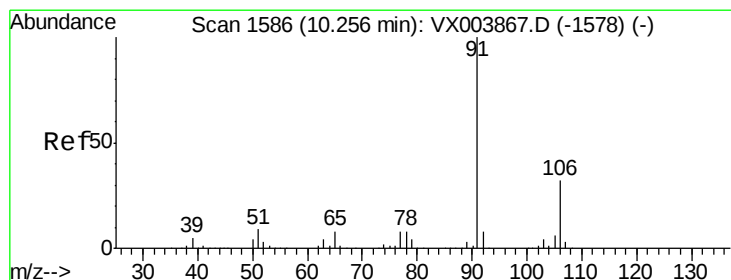
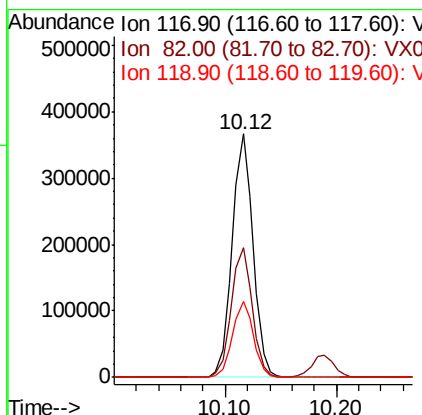
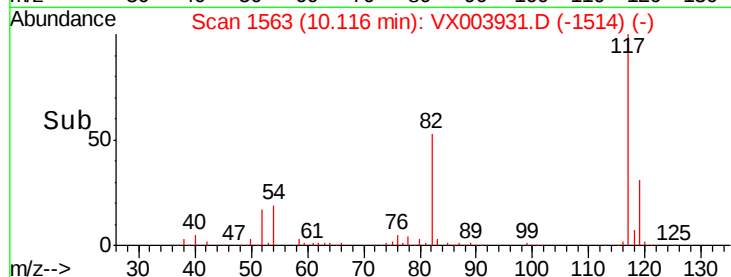
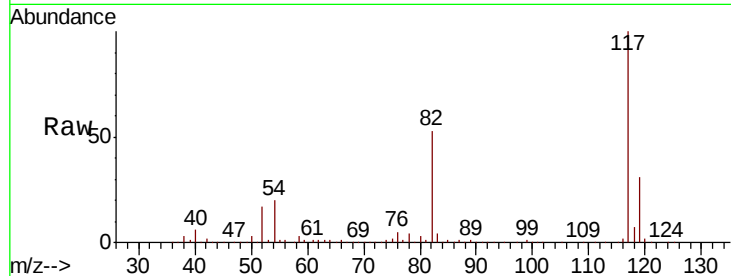




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003931.D
Acq: 08 Aug 2018 18:38

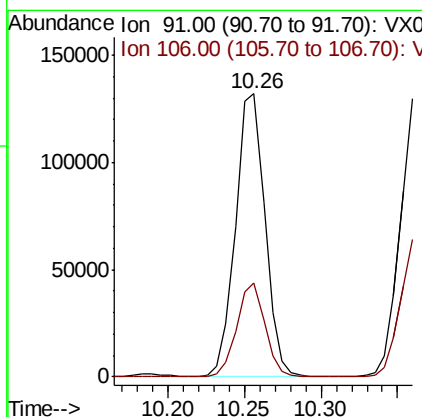
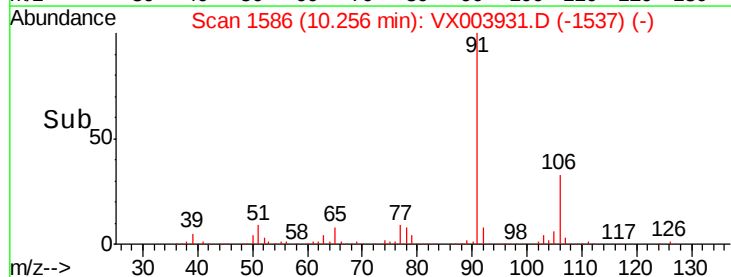
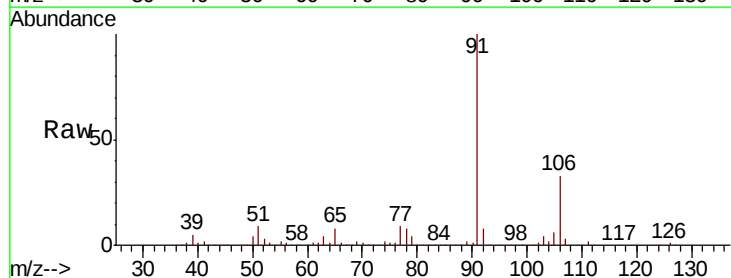
Instrument :
MSVOA_X
ClientSampleId :
FL-0550

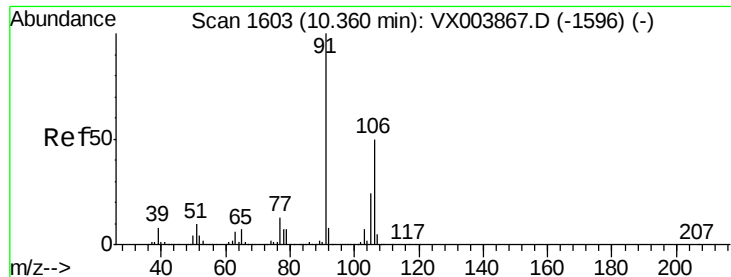
Tot Ion:117 Resp: 473085
Ion Ratio Lower Upper
117 100
82 53.3 45.4 68.0
119 31.0 26.6 40.0



#67
Ethyl Benzene
Concen: 8.72 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VX003931.D
Acq: 08 Aug 2018 18:38

Tgt Ion: 91 Resp: 175644
Ion Ratio Lower Upper
91 100
106 33.3 25.9 38.9

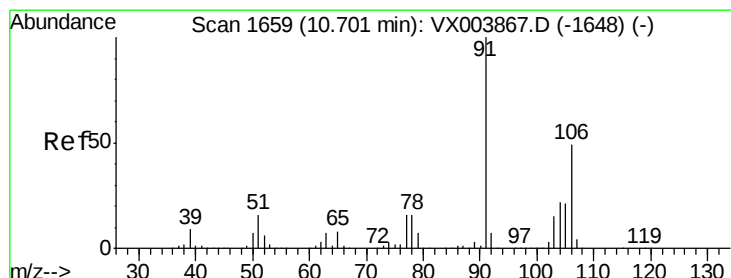
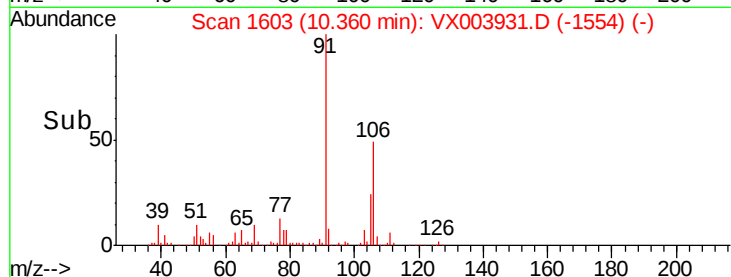
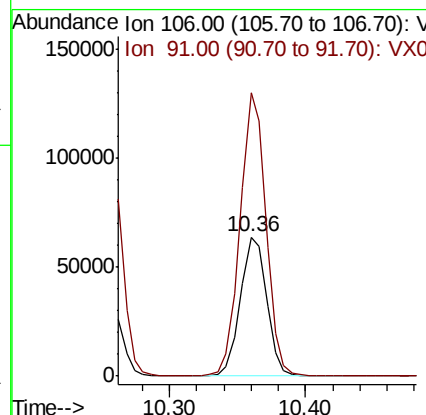
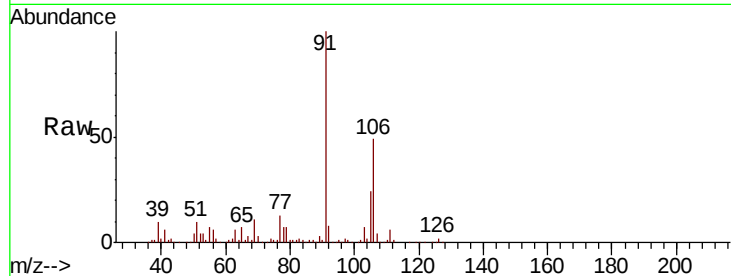




#68
m/p-Xylenes
Concen: 10.90 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VX003931.D
Acq: 08 Aug 2018 18:38

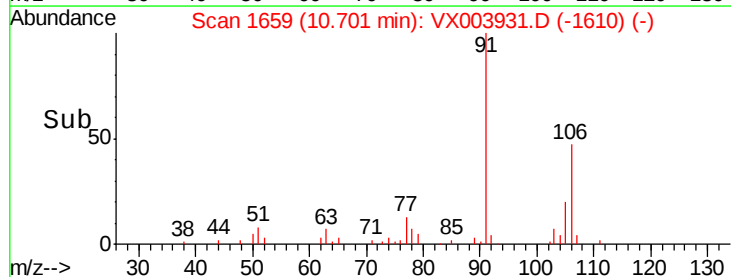
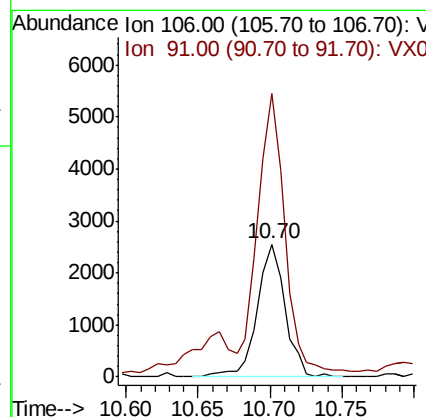
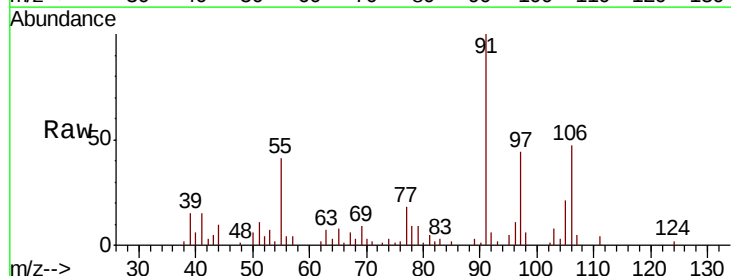
Instrument :
MSVOA_X
ClientSampled :
FL-0550

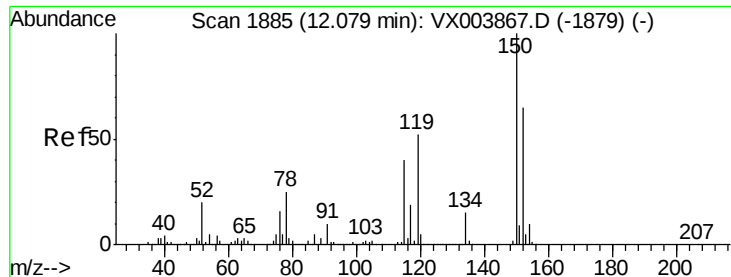
Tot Ion:106 Resp: 85785
Ion Ratio Lower Upper
106 100
91 199.7 162.3 243.5



#69
o-Xylene
Concen: 0.46 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX003931.D
Acq: 08 Aug 2018 18:38

Tgt Ion:106 Resp: 3399
Ion Ratio Lower Upper
106 100
91 200.8 101.9 305.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VX003931.D

Acq: 08 Aug 2018 18:38

Instrument :

MSVOA_X

ClientSampleId :

FL-0550

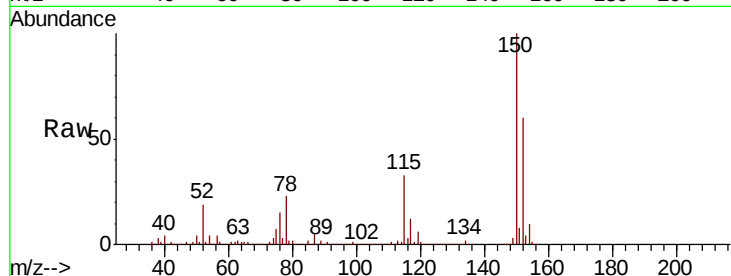
Tot Ion:152 Resp: 252352

Ion Ratio Lower Upper

152 100

115 55.5 39.1 117.3

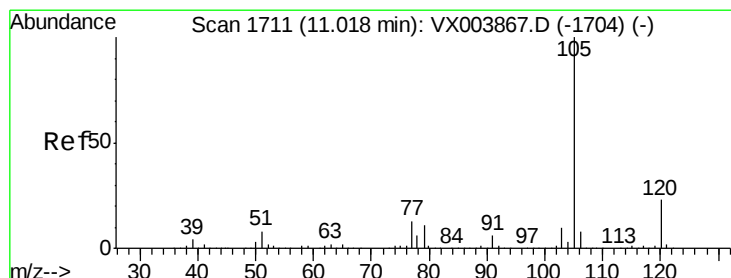
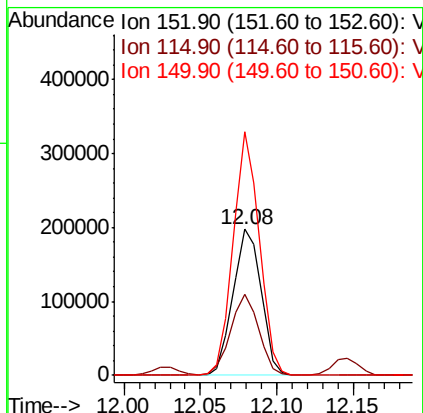
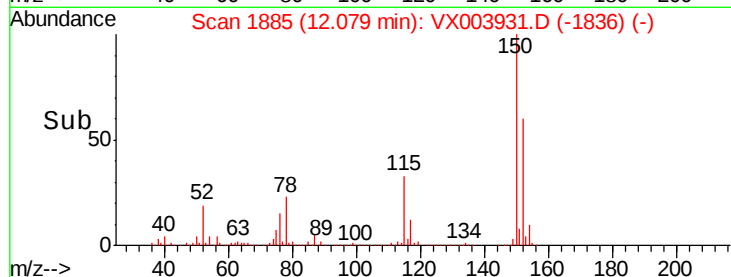
150 155.1 0.0 349.2



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: 20.74 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. 0.00 min

Lab File: VX003931.D

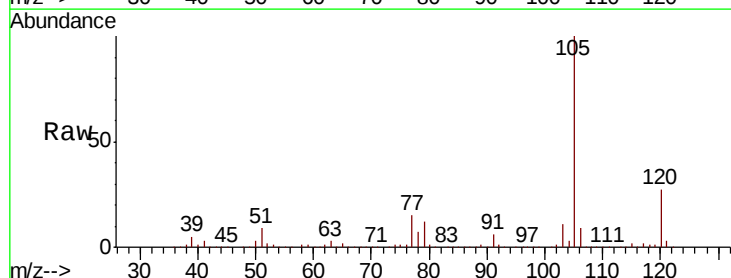
Acq: 08 Aug 2018 18:38

Tgt Ion:105 Resp: 387237

Ion Ratio Lower Upper

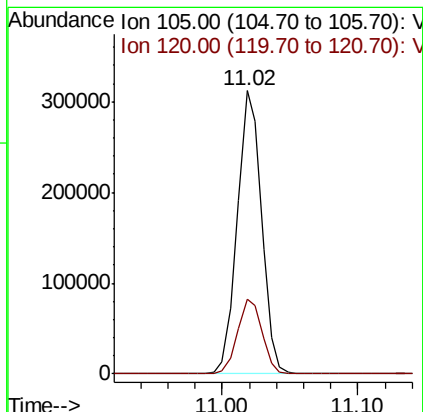
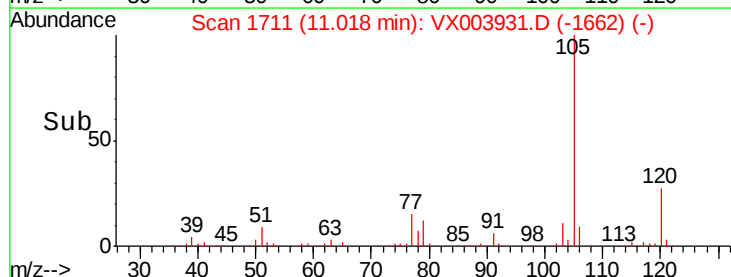
105 100

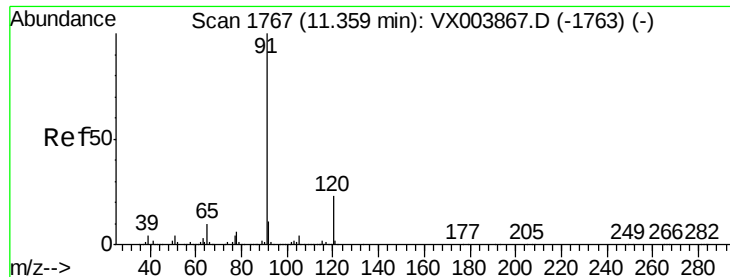
120 26.8 12.6 37.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 28.74 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. 0.00 min

Lab File: VX003931.D

Acq: 08 Aug 2018 18:38

Instrument :

MSVOA_X

ClientSampleId :

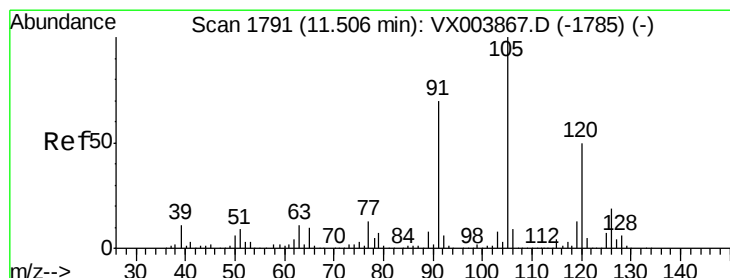
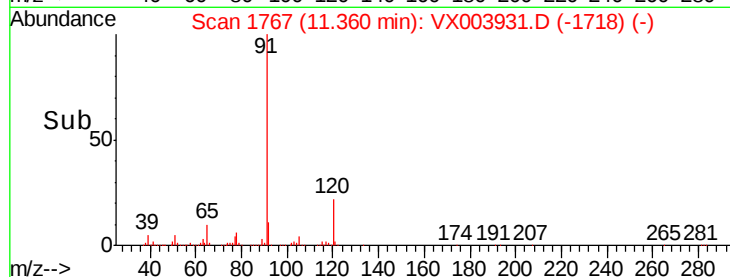
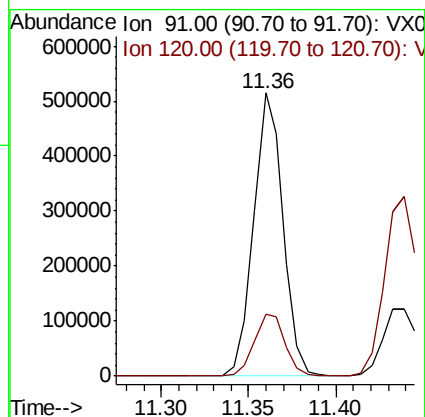
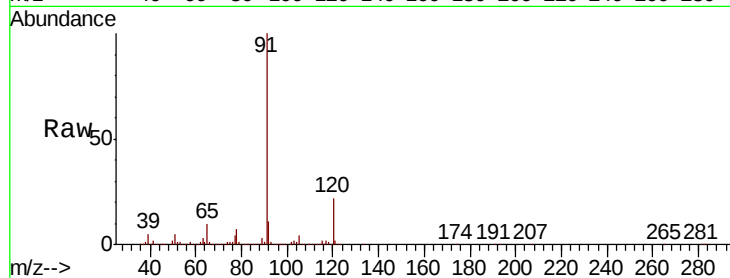
FL-0550

Tot Ion: 91 Resp: 602521

Ion Ratio Lower Upper

91 100

120 22.9 11.9 35.5



#80

1,3,5-Trimethylbenzene

Concen: 66.18 ug/l

RT: 11.51 min Scan# 1791

Delta R.T. 0.00 min

Lab File: VX003931.D

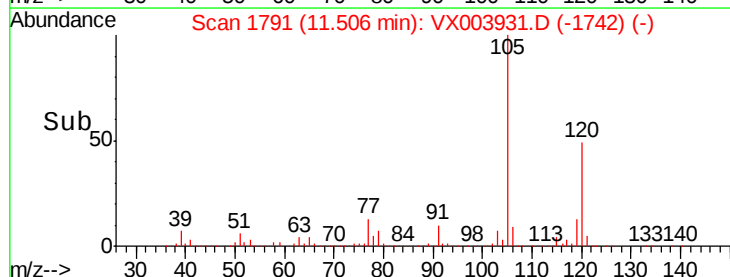
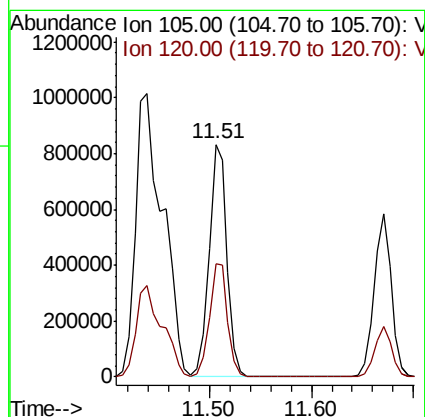
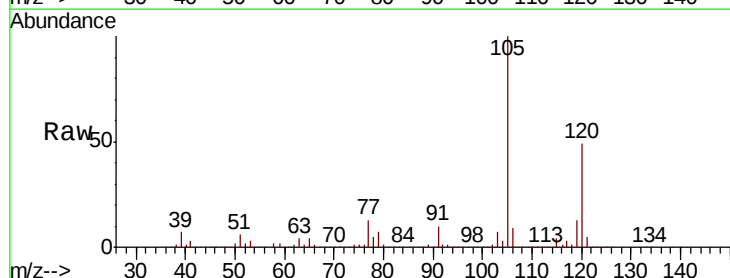
Acq: 08 Aug 2018 18:38

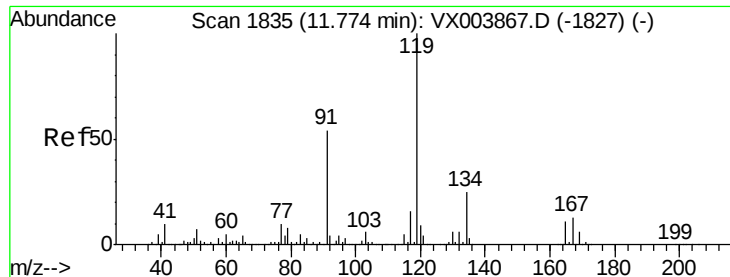
Tgt Ion: 105 Resp: 1007426

Ion Ratio Lower Upper

105 100

120 49.5 25.4 76.2

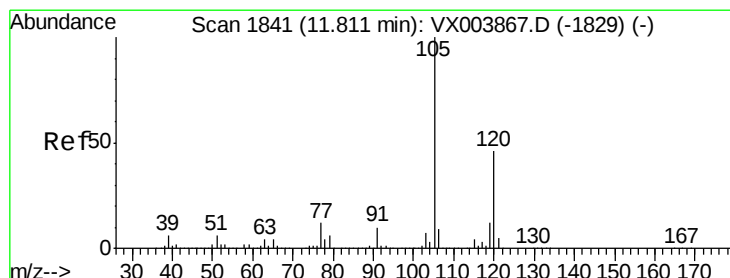
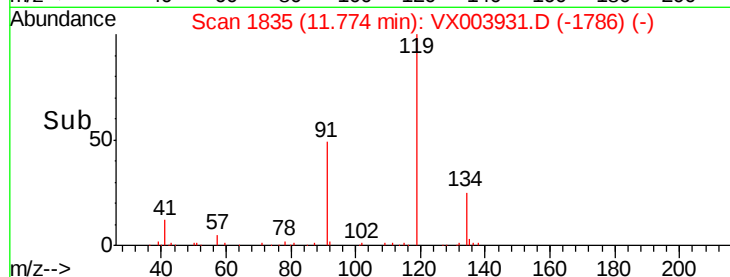
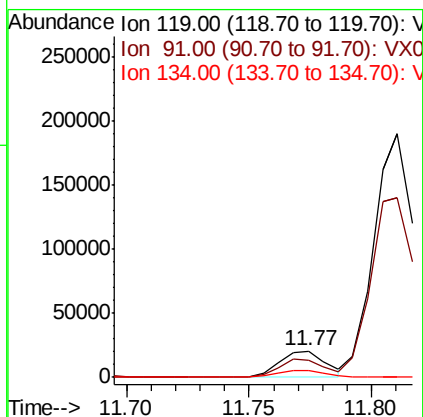
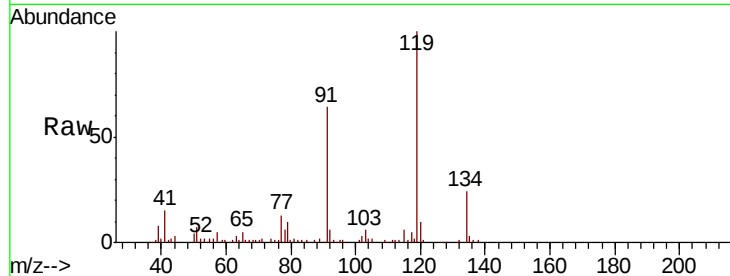




#83
 tert-Butylbenzene
 Concen: 1.81 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX003931.D
 Acq: 08 Aug 2018 18:38

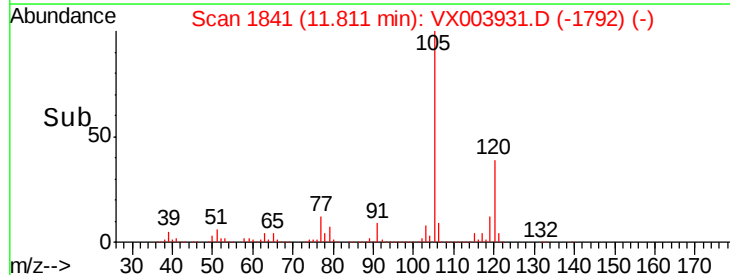
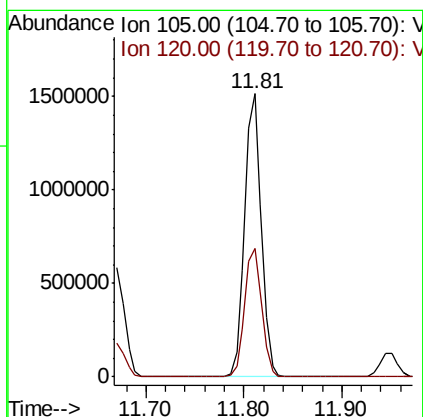
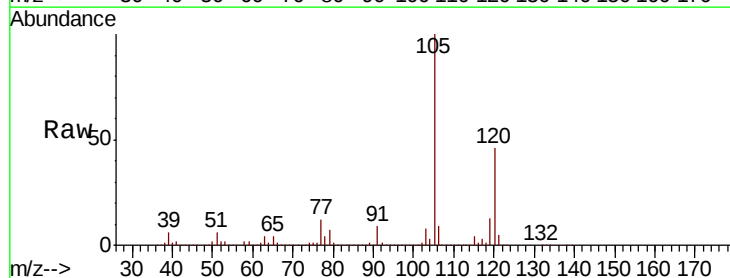
Instrument :
 MSVOA_X
 ClientSampled :
 FL-0550

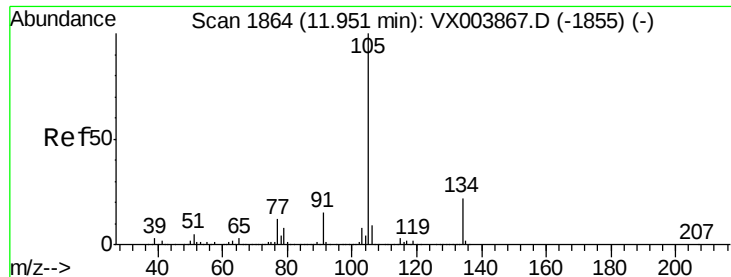
Tot Ion:119 Resp: 27113
 Ion Ratio Lower Upper
 119 100
 91 66.7 26.9 80.7
 134 28.3 12.0 36.0



#84
 1,2,4-Trimethylbenzene
 Concen: 116.64 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX003931.D
 Acq: 08 Aug 2018 18:38

Tgt Ion:105 Resp: 1785293
 Ion Ratio Lower Upper
 105 100
 120 46.7 23.1 69.2





#85

sec-Butylbenzene

Concen: 9.06 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX003931.D

Acq: 08 Aug 2018 18:38

Instrument :

MSVOA_X

ClientSampled :

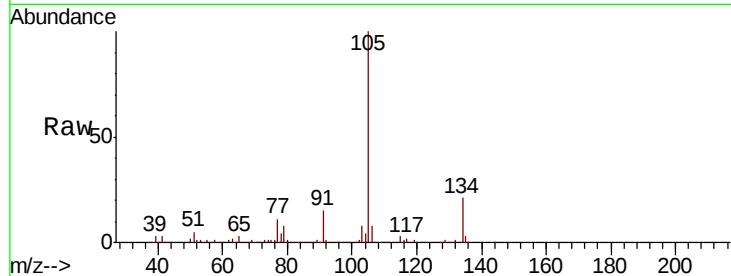
FL-0550

Tot Ion:105 Resp: 160066

Ion Ratio Lower Upper

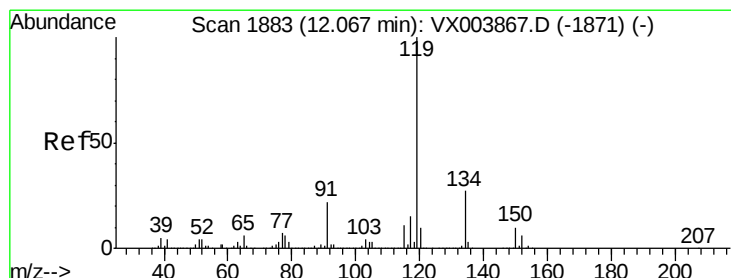
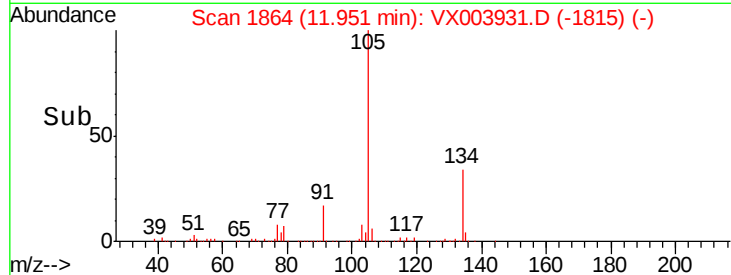
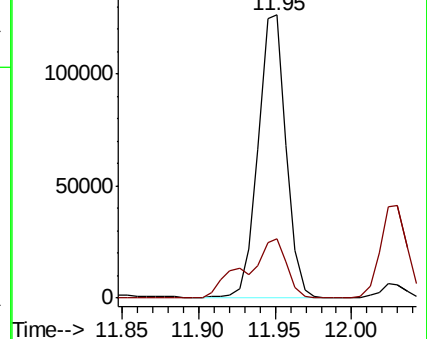
105 100

134 30.9 10.3 30.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 5.43 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VX003931.D

Acq: 08 Aug 2018 18:38

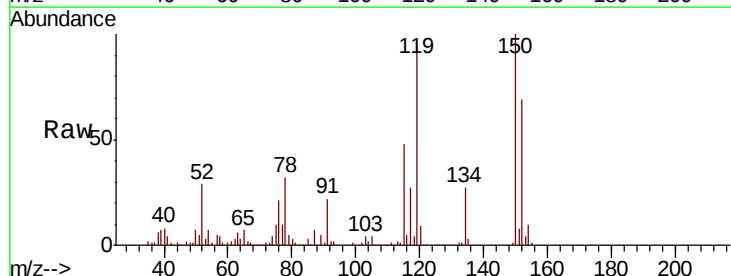
Tgt Ion:119 Resp: 86130

Ion Ratio Lower Upper

119 100

134 27.8 13.3 39.8

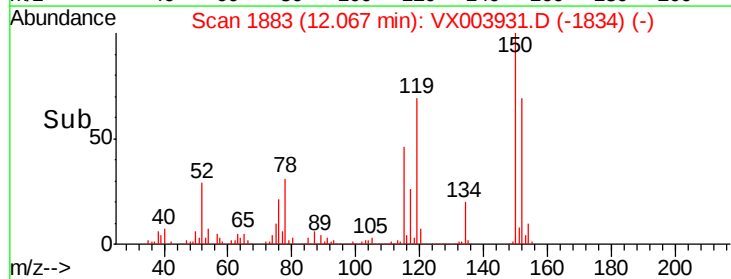
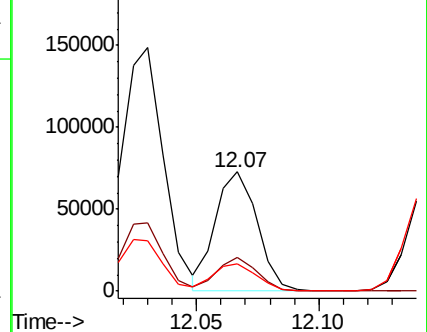
91 23.4 10.9 32.7

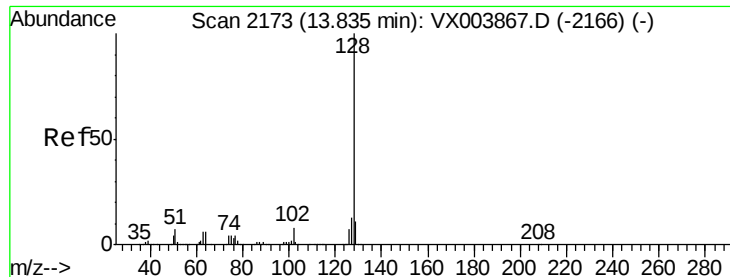


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





#95
 Naphthalene
 Concen: 13.62 ug/l
 RT: 13.83 min Scan# 2173
 Delta R.T. 0.00 min
 Lab File: VX003931.D
 Acq: 08 Aug 2018 18:38

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0550

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.2	15.2
129	13.0	8.8	13.2

