

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080818\
 Data File : VX003932.D
 Acq On : 08 Aug 2018 19:05
 Operator : JC/MD
 Sample : J4387-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0549

Quant Time: Aug 09 11:06:18 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	309005	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	464524	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	440499	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	244635	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	202638	49.47	ug/l	0.00
Spiked Amount			Recovery	=	98.94%	
35) Dibromofluoromethane	5.51	113	171625	48.77	ug/l	0.00
Spiked Amount			Recovery	=	97.54%	
50) Toluene-d8	8.72	98	669567	48.93	ug/l	0.00
Spiked Amount			Recovery	=	97.86%	
62) 4-Bromofluorobenzene	11.14	95	250656	56.61	ug/l	0.00
Spiked Amount			Recovery	=	113.22%	

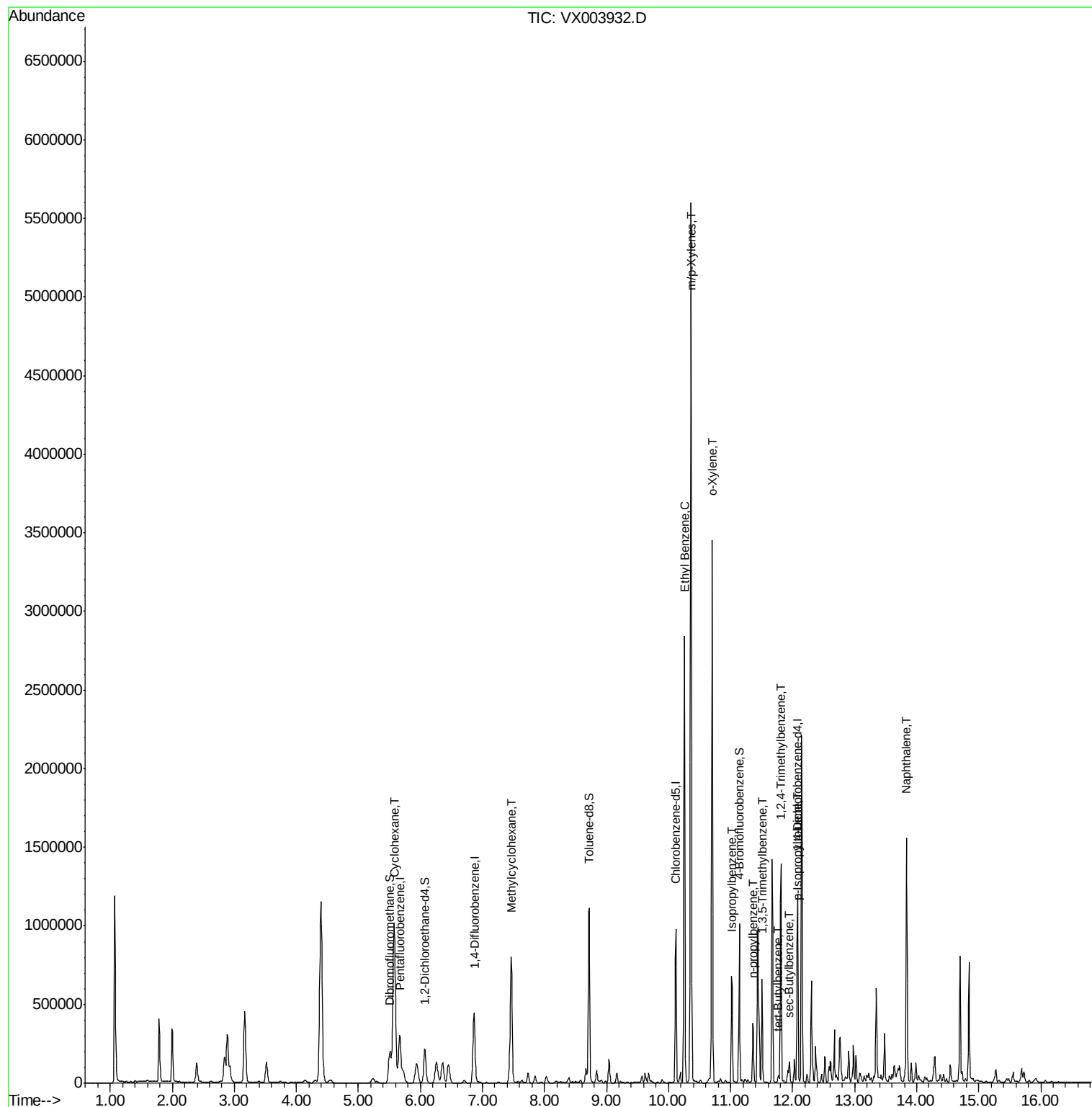
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Cyclohexane	5.57	56	713125	120.79	ug/l	99
39) Methylcyclohexane	7.46	83	355465	57.95	ug/l	99
67) Ethyl Benzene	10.26	91	1611284	85.88	ug/l	99
68) m/p-Xylenes	10.36	106	1307293	178.32	ug/l	96
69) o-Xylene	10.70	106	725486	104.83	ug/l	95
73) Isopropylbenzene	11.02	105	353449	19.53	ug/l	97
78) n-propylbenzene	11.36	91	226346	11.14	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	285018	19.31	ug/l	99
83) tert-Butylbenzene	11.77	119	15934	1.10	ug/l	89
84) 1,2,4-Trimethylbenzene	11.81	105	590085	39.77	ug/l	99
85) sec-Butylbenzene	11.95	105	70667	4.12	ug/l	100
86) p-Isopropyltoluene	12.07	119	39860	2.59	ug/l	96
95) Naphthalene	13.83	128	929060	50.99	ug/l	100

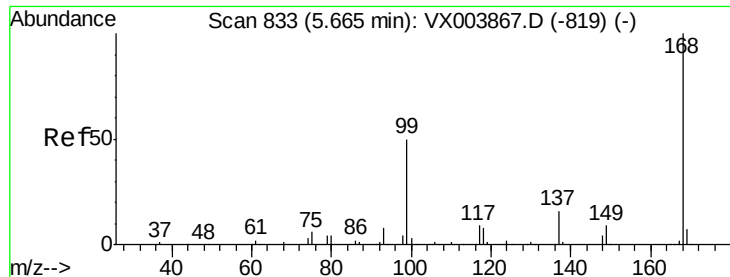
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.00 min

Lab File: VX003932.D

Acq: 08 Aug 2018 19:05

Instrument :

MSVOA_X

ClientSampleId :

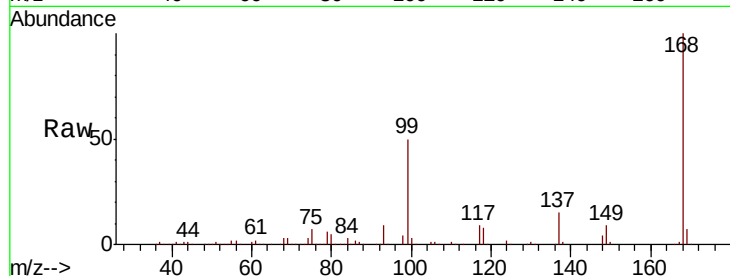
FL-0549

Tot Ion:168 Resp: 309005

Ion Ratio Lower Upper

168 100

99 50.3 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

120000

100000

80000

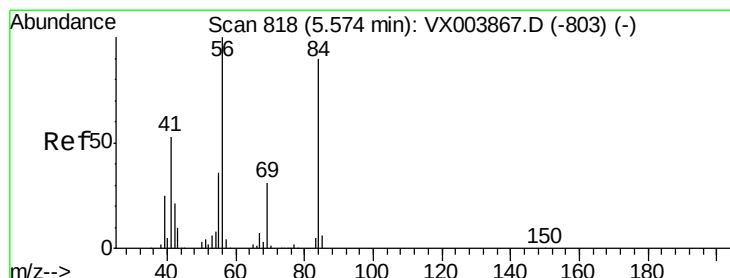
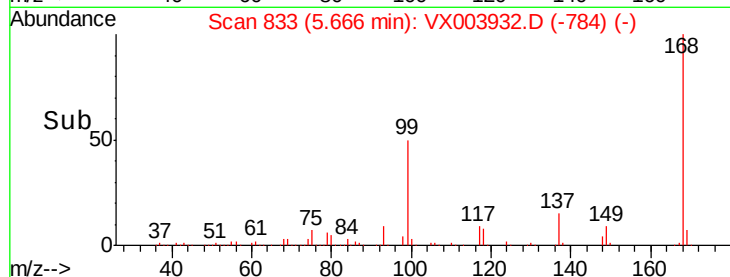
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#31

Cyclohexane

Concen: 120.79 ug/l

RT: 5.57 min Scan# 818

Delta R.T. 0.00 min

Lab File: VX003932.D

Acq: 08 Aug 2018 19:05

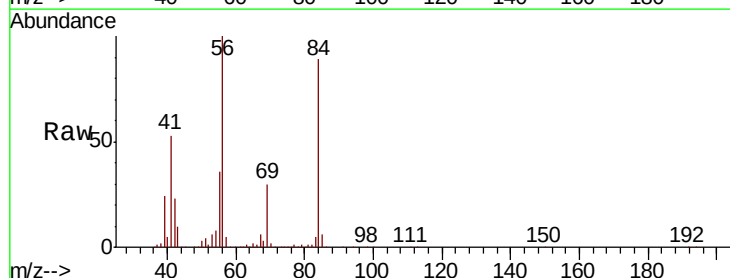
Tgt Ion: 56 Resp: 713125

Ion Ratio Lower Upper

56 100

69 30.4 24.9 37.3

84 88.6 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

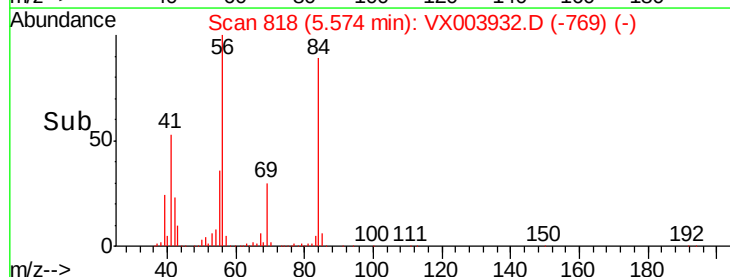
150000

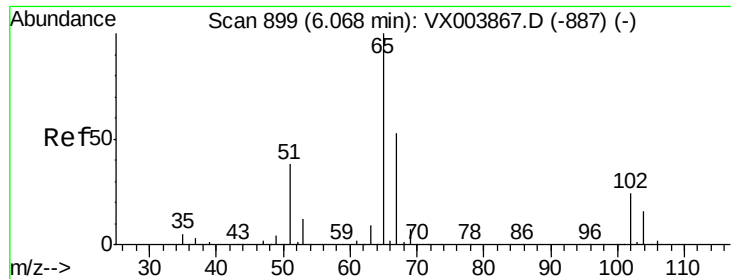
100000

50000

0

Time--> 5.50 5.60 5.70

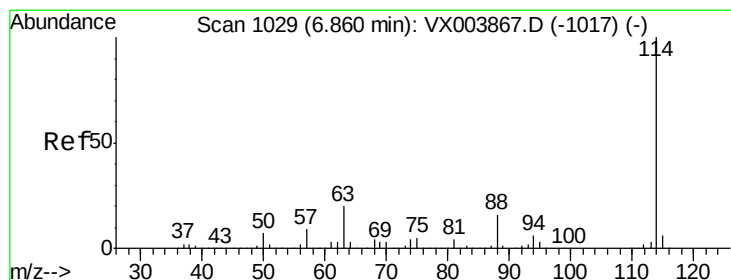
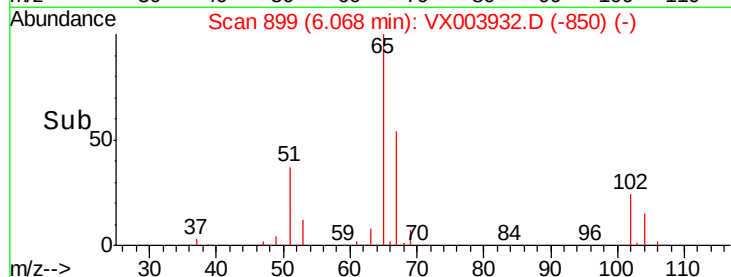
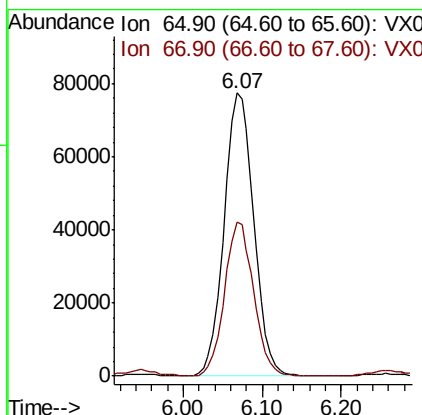
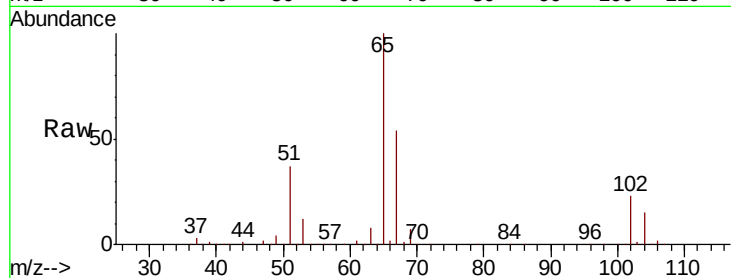




#33
 1,2-Dichloroethane-d4
 Concen: 49.47 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. 0.00 min
 Lab File: VX003932.D
 Acq: 08 Aug 2018 19:05

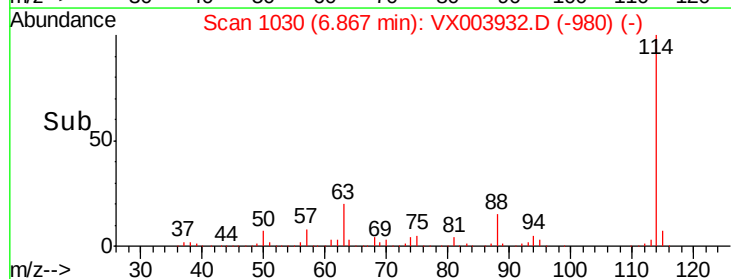
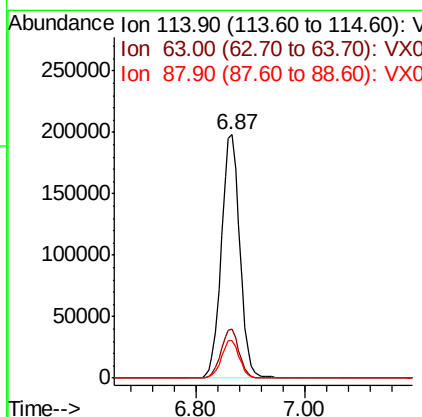
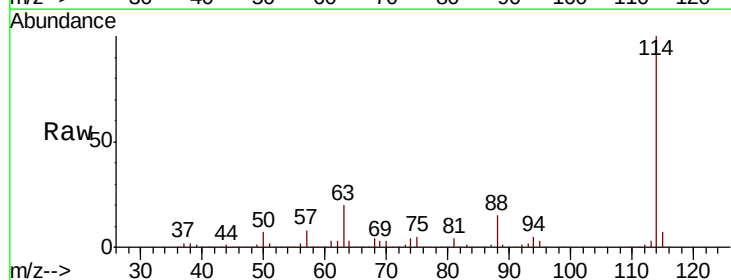
Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0549

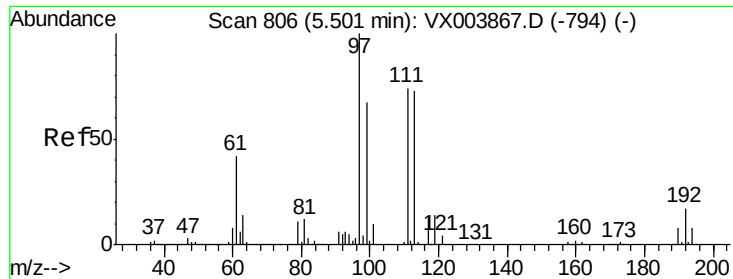
Tot Ion: 65 Resp: 202638
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 105.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.01 min
 Lab File: VX003932.D
 Acq: 08 Aug 2018 19:05

Tgt Ion: 114 Resp: 464524
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 39.0
 88 15.5 0.0 32.0





#35

Dibromofluoromethane

Concen: 48.77 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.01 min

Lab File: VX003932.D

Acq: 08 Aug 2018 19:05

Instrument :

MSVOA_X

ClientSampled :

FL-0549

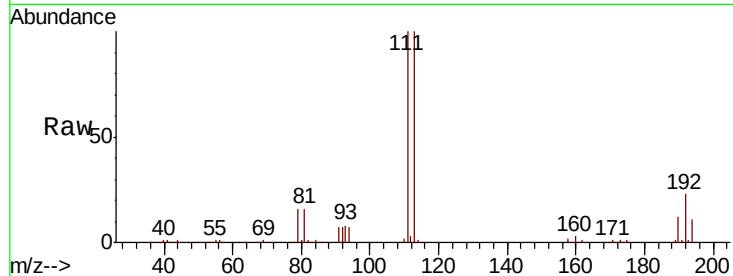
Tot Ion:113 Resp: 171625

Ion Ratio Lower Upper

113 100

111 102.9 82.0 123.0

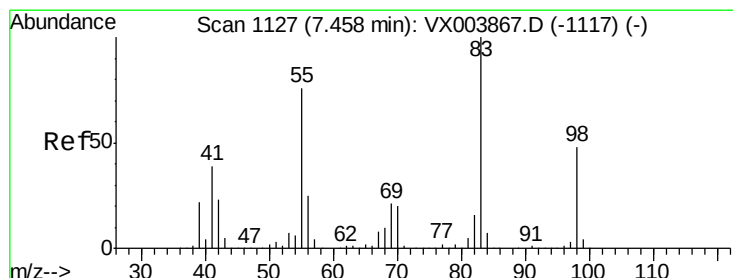
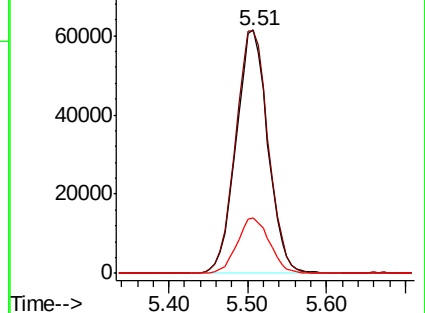
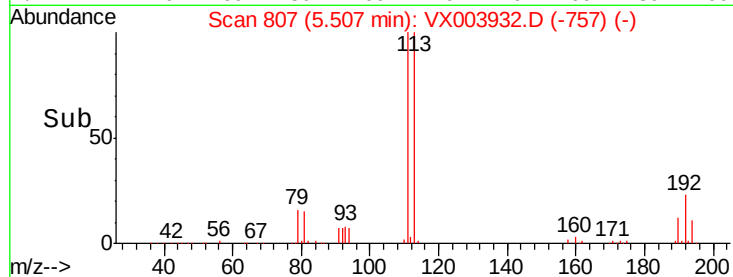
192 23.3 19.0 28.4



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

Methylcyclohexane

Concen: 57.95 ug/l

RT: 7.46 min Scan# 1128

Delta R.T. 0.01 min

Lab File: VX003932.D

Acq: 08 Aug 2018 19:05

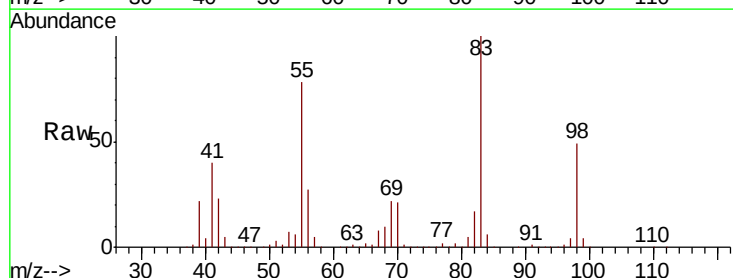
Tgt Ion: 83 Resp: 355465

Ion Ratio Lower Upper

83 100

55 77.6 61.0 91.6

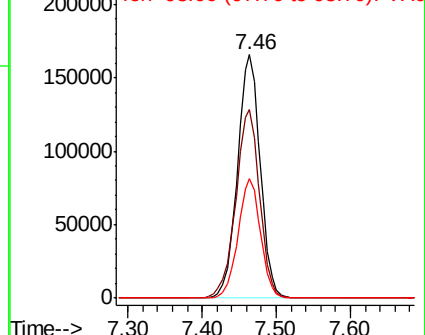
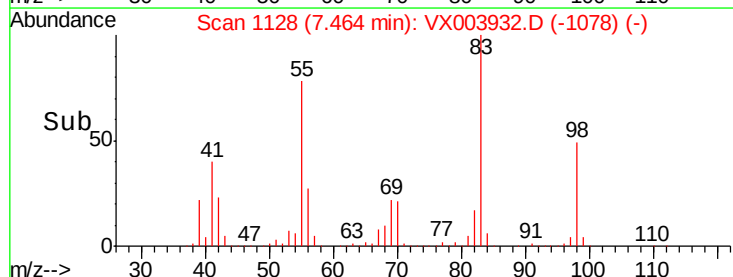
98 48.9 38.6 57.8

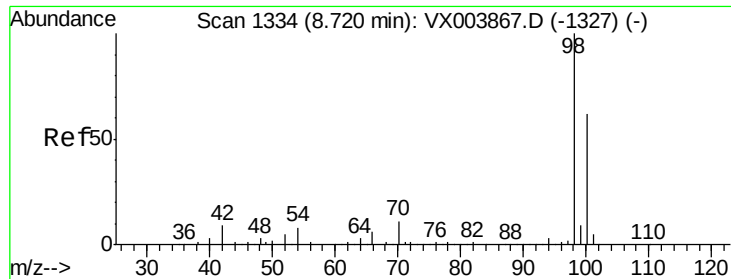


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

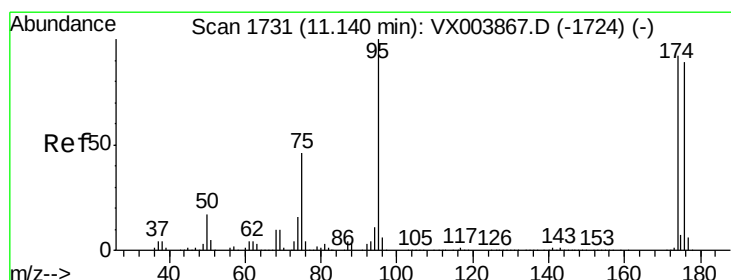
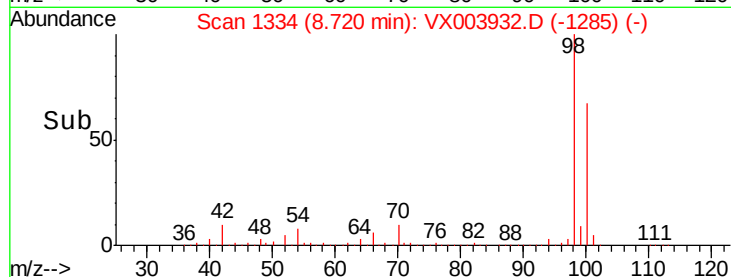
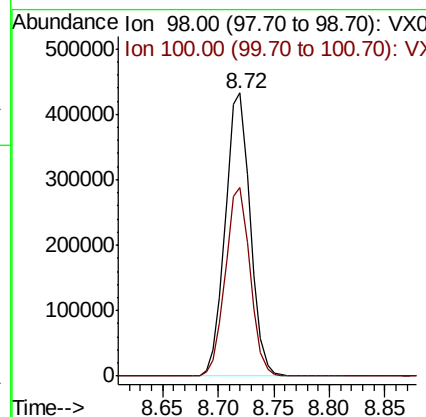
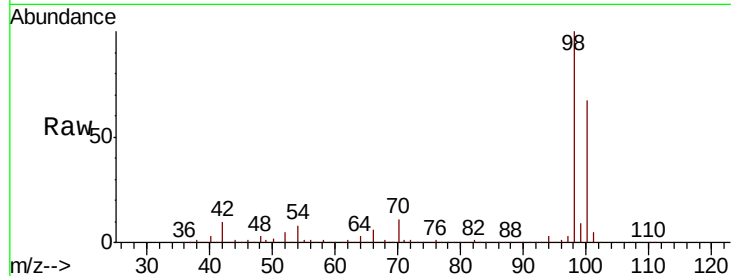




#50
Toluene-d8
Concen: 48.93 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003932.D
Acq: 08 Aug 2018 19:05

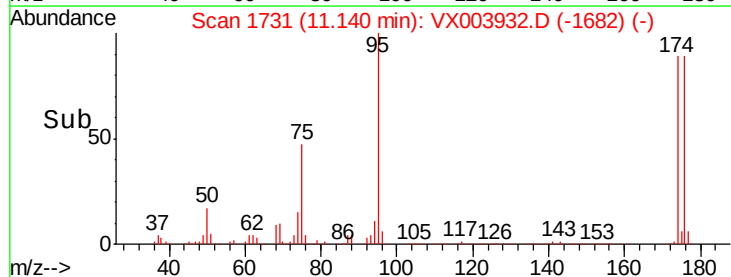
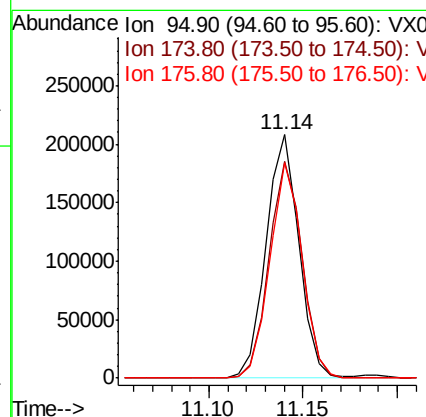
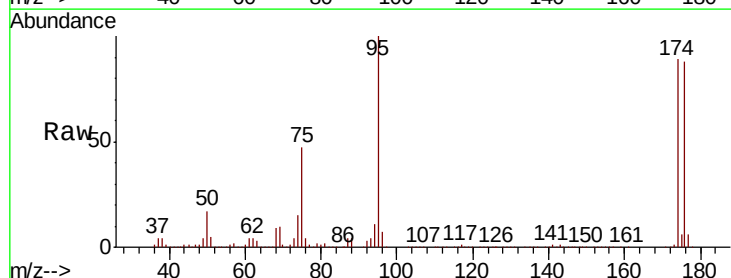
Instrument :
MSVOA_X
ClientSampleId :
FL-0549

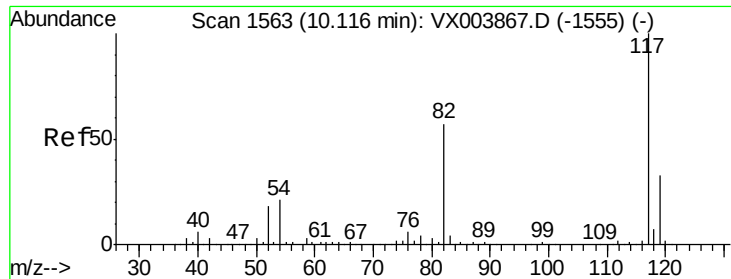
Tot Ion: 98 Resp: 669567
Ion Ratio Lower Upper
98 100
100 66.5 53.3 79.9



#62
4-Bromofluorobenzene
Concen: 56.61 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX003932.D
Acq: 08 Aug 2018 19:05

Tgt Ion: 95 Resp: 250656
Ion Ratio Lower Upper
95 100
174 90.3 0.0 182.8
176 87.5 0.0 179.0

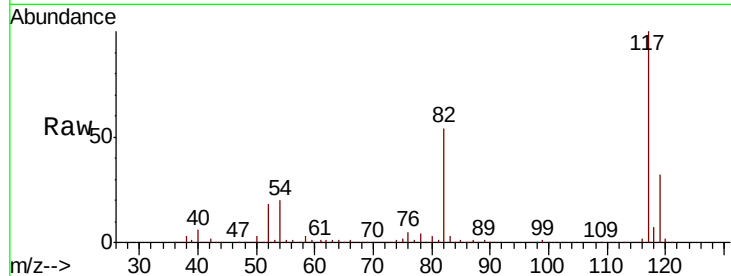




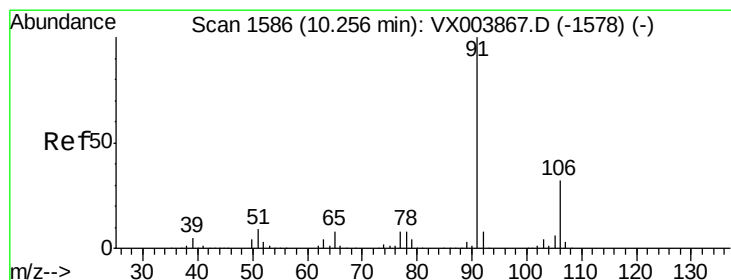
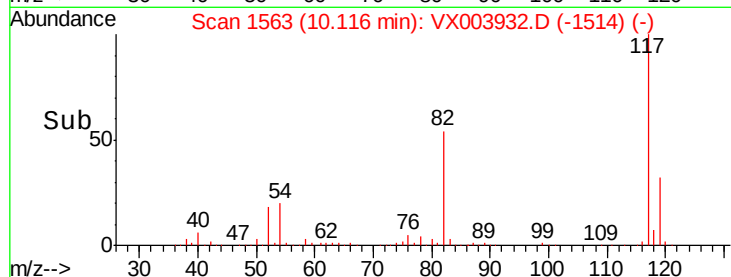
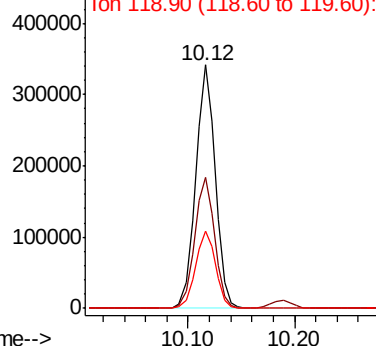
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003932.D
Acq: 08 Aug 2018 19:05

Instrument :
MSVOA_X
ClientSampled :
FL-0549

Tot Ion:117 Resp: 440499
Ion Ratio Lower Upper
117 100
82 53.6 45.4 68.0
119 31.9 26.6 40.0

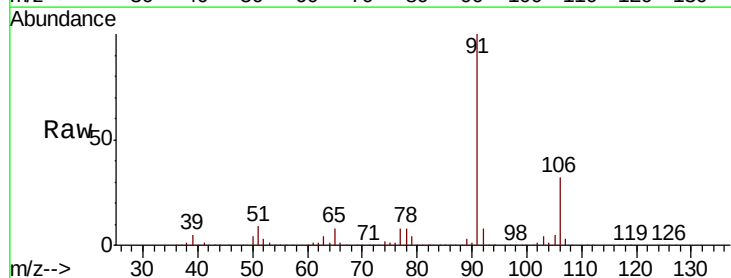


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

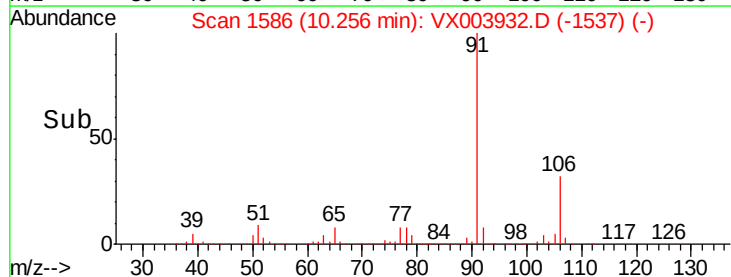
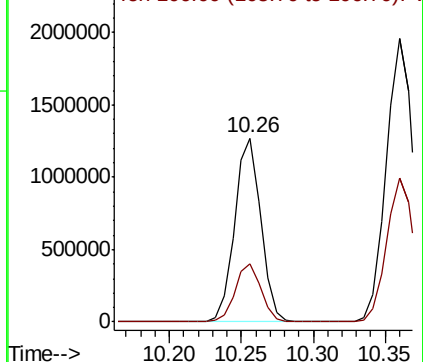


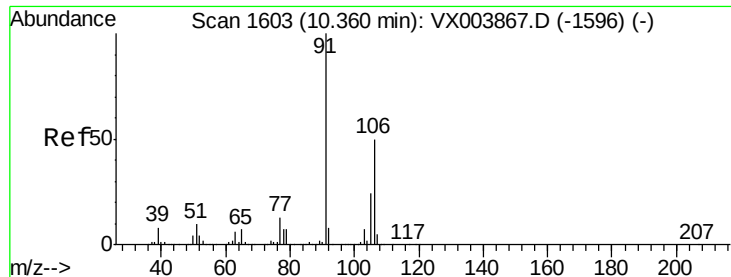
#67
Ethyl Benzene
Concen: 85.88 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VX003932.D
Acq: 08 Aug 2018 19:05

Tgt Ion: 91 Resp: 1611284
Ion Ratio Lower Upper
91 100
106 31.8 25.9 38.9



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

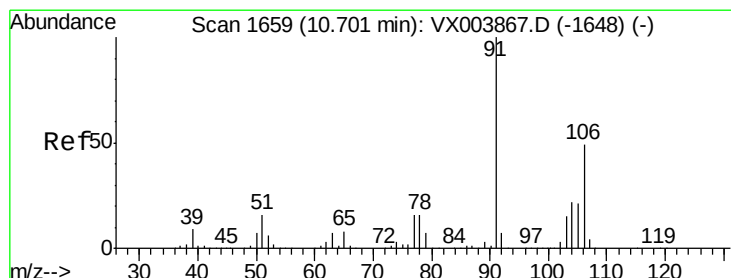
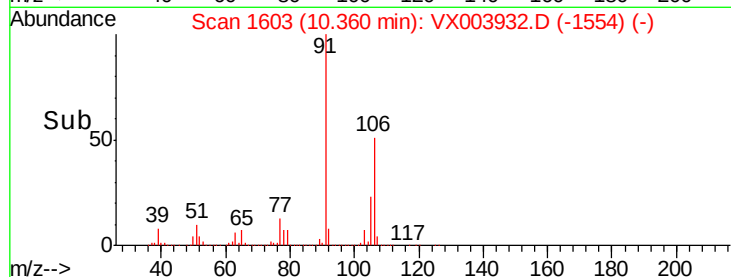
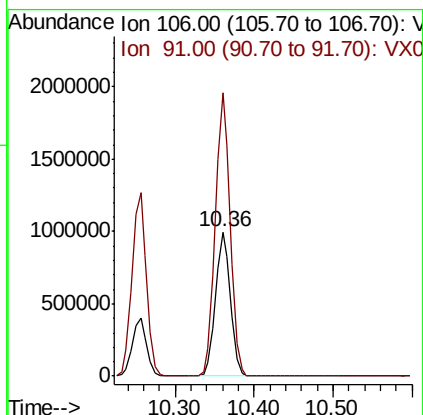
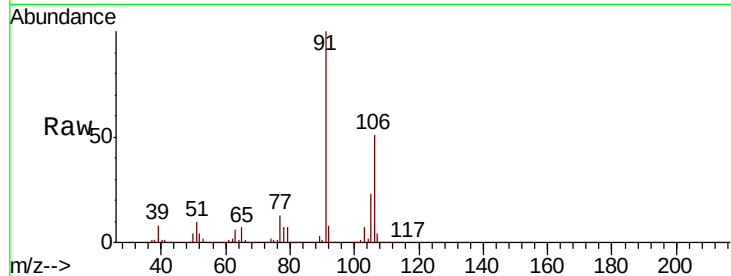




#68
m/p-Xylenes
Concen: 178.32 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VX003932.D
Acq: 08 Aug 2018 19:05

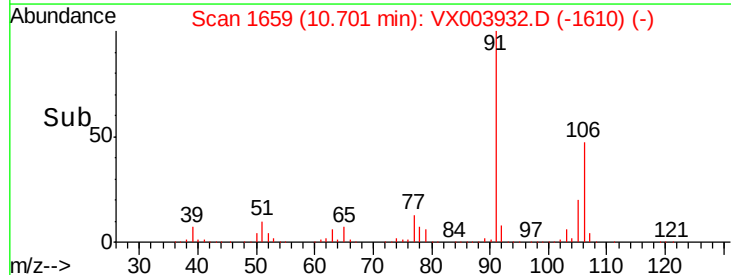
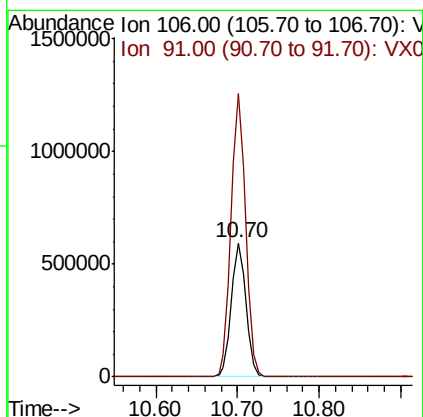
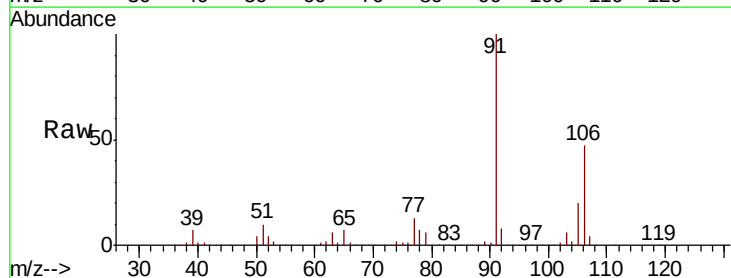
Instrument :
MSVOA_X
ClientSampled :
FL-0549

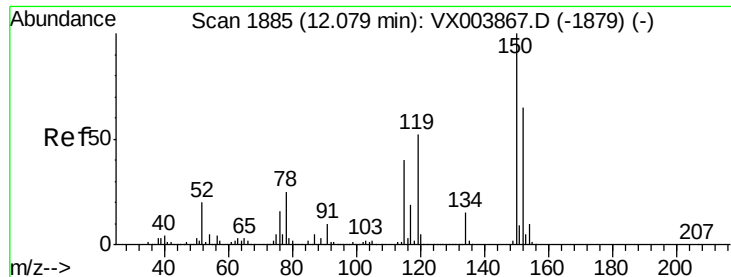
Tot Ion:106 Resp: 1307293
Ion Ratio Lower Upper
106 100
91 196.8 162.3 243.5



#69
o-Xylene
Concen: 104.83 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX003932.D
Acq: 08 Aug 2018 19:05

Tgt Ion:106 Resp: 725486
Ion Ratio Lower Upper
106 100
91 211.2 101.9 305.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VX003932.D

Acq: 08 Aug 2018 19:05

Instrument :

MSVOA_X

ClientSampleId :

FL-0549

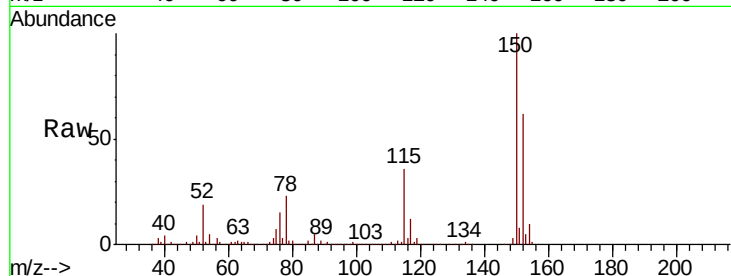
Tot Ion:152 Resp: 244635

Ion Ratio Lower Upper

152 100

115 57.9 39.1 117.3

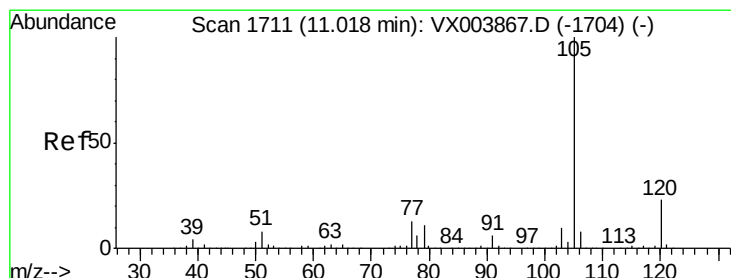
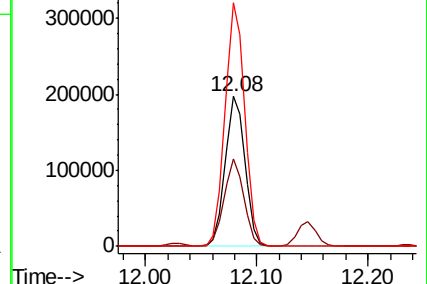
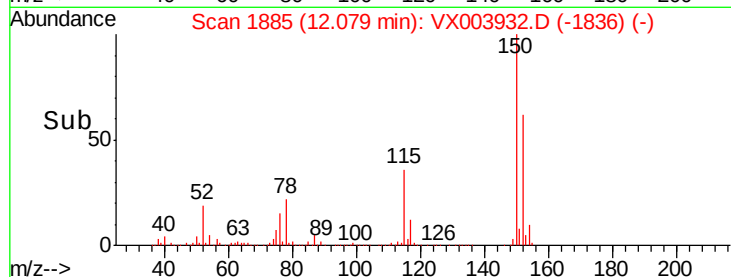
150 160.0 0.0 349.2



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: 19.53 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. 0.00 min

Lab File: VX003932.D

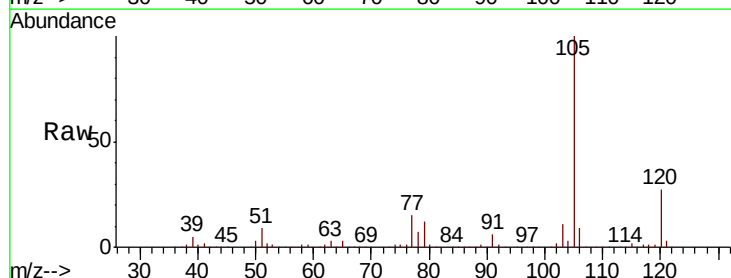
Acq: 08 Aug 2018 19:05

Tgt Ion:105 Resp: 353449

Ion Ratio Lower Upper

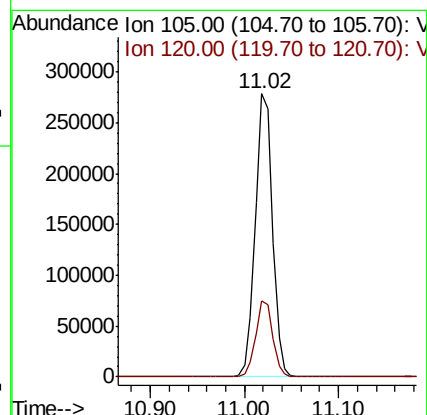
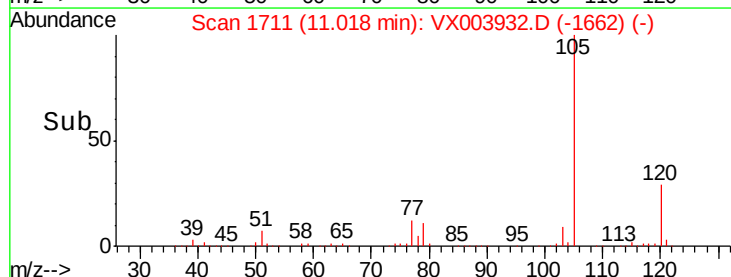
105 100

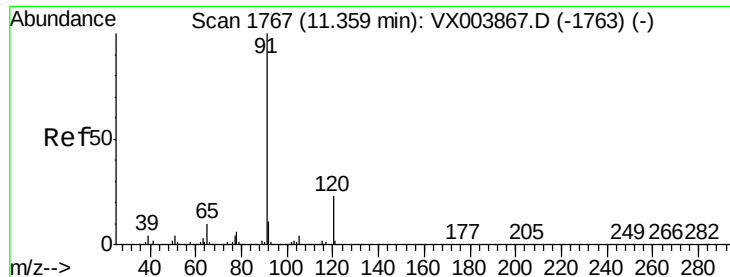
120 26.6 12.6 37.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 11.14 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. 0.00 min

Lab File: VX003932.D

Acq: 08 Aug 2018 19:05

Instrument :

MSVOA_X

ClientSampleId :

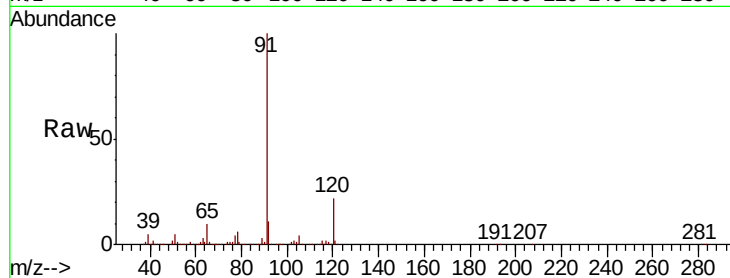
FL-0549

Tot Ion: 91 Resp: 226346

Ion Ratio Lower Upper

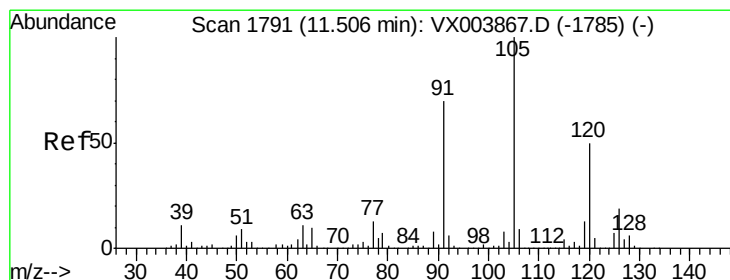
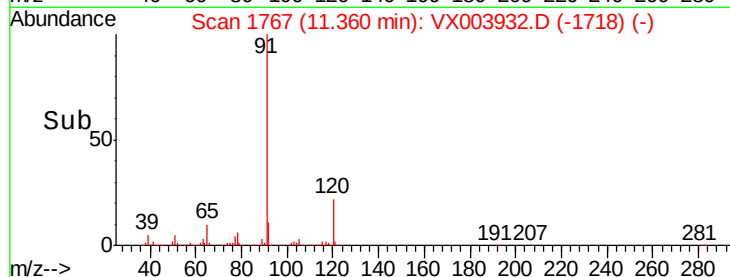
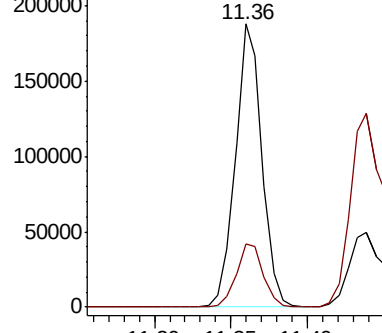
91 100

120 23.0 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V



#80

1,3,5-Trimethylbenzene

Concen: 19.31 ug/l

RT: 11.51 min Scan# 1791

Delta R.T. 0.00 min

Lab File: VX003932.D

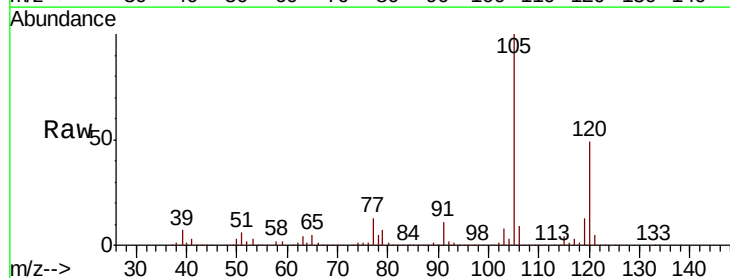
Acq: 08 Aug 2018 19:05

Tgt Ion:105 Resp: 285018

Ion Ratio Lower Upper

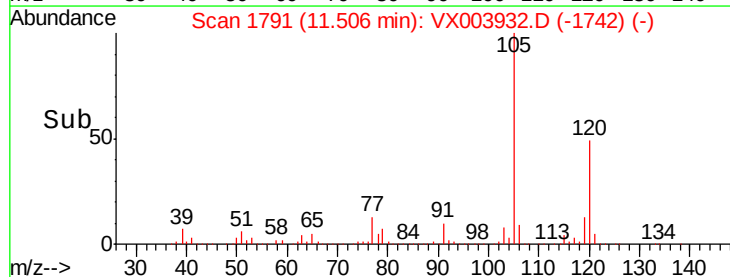
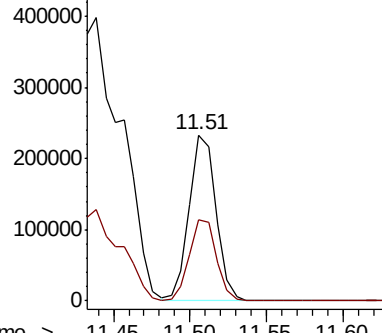
105 100

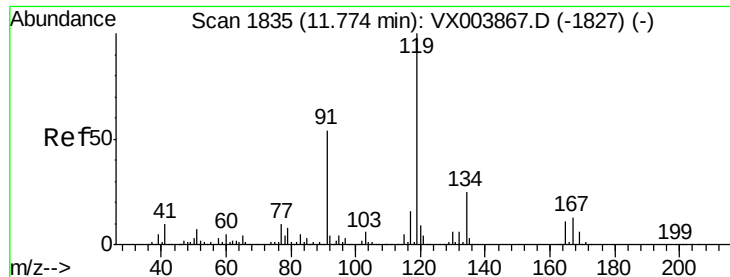
120 49.8 25.4 76.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

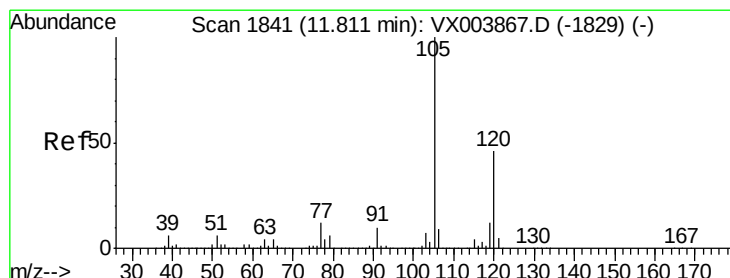
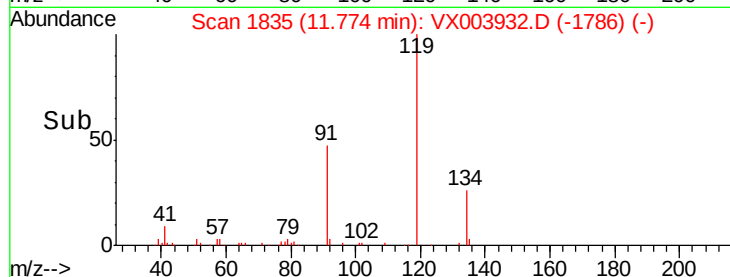
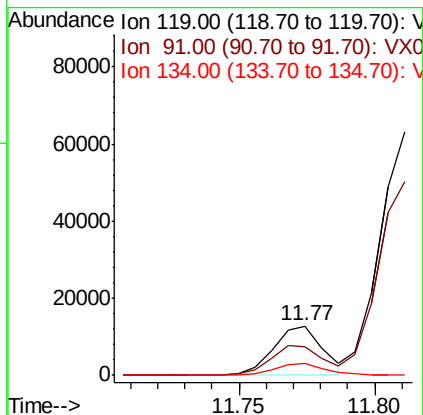
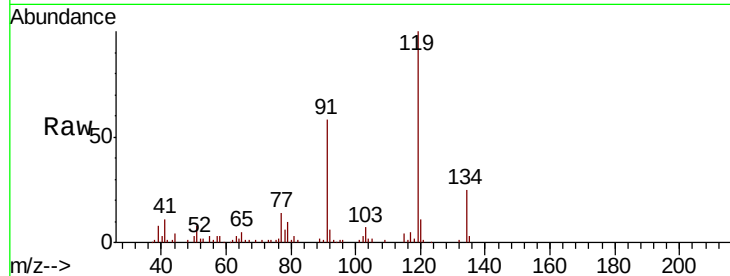




#83
 tert-Butylbenzene
 Concen: 1.10 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX003932.D
 Acq: 08 Aug 2018 19:05

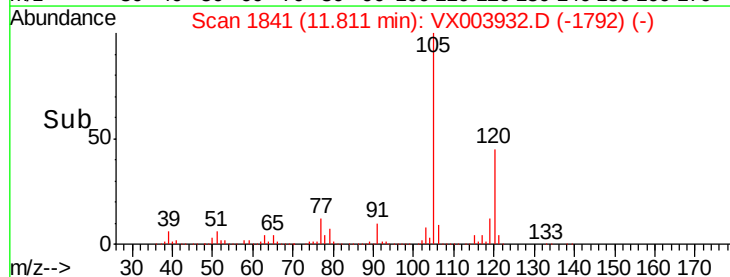
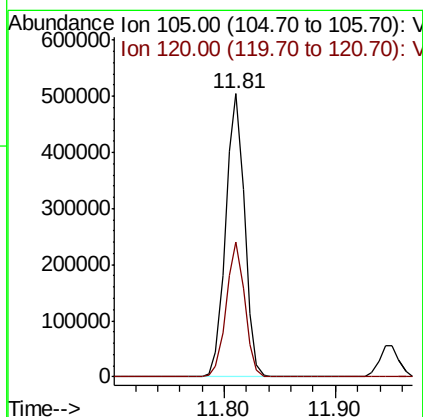
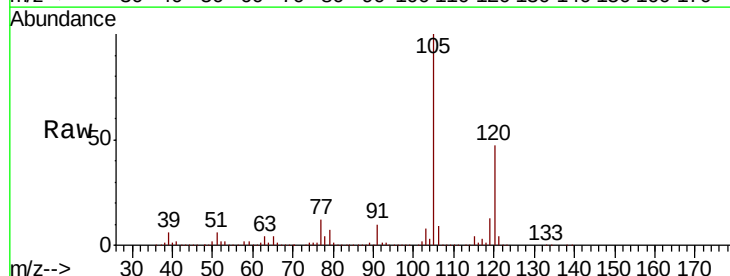
Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0549

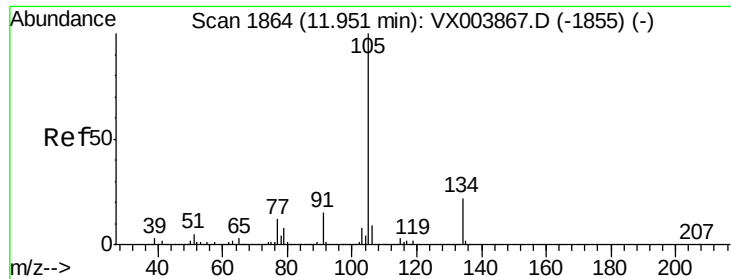
Tot Ion:119 Resp: 15934
 Ion Ratio Lower Upper
 119 100
 91 62.7 26.9 80.7
 134 27.8 12.0 36.0



#84
 1,2,4-Trimethylbenzene
 Concen: 39.77 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX003932.D
 Acq: 08 Aug 2018 19:05

Tgt Ion:105 Resp: 590085
 Ion Ratio Lower Upper
 105 100
 120 46.9 23.1 69.2





#85

sec-Butylbenzene

Concen: 4.12 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX003932.D

Acq: 08 Aug 2018 19:05

Instrument :

MSVOA_X

ClientSampleId :

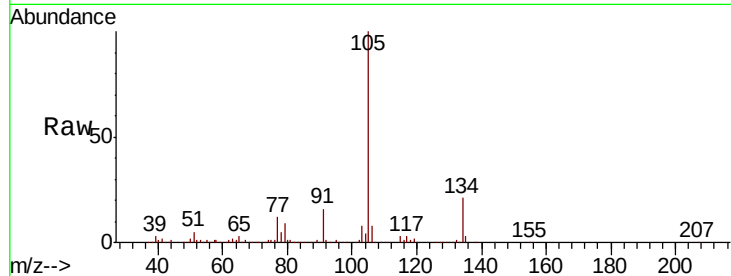
FL-0549

Tot Ion:105 Resp: 70667

Ion Ratio Lower Upper

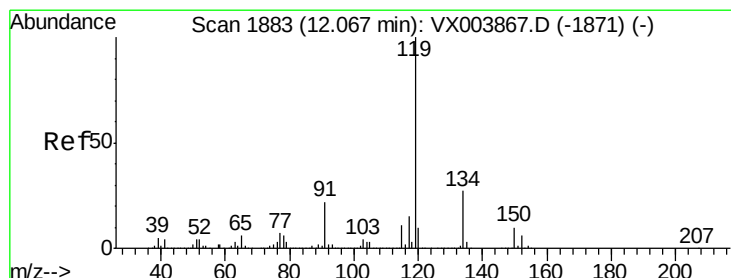
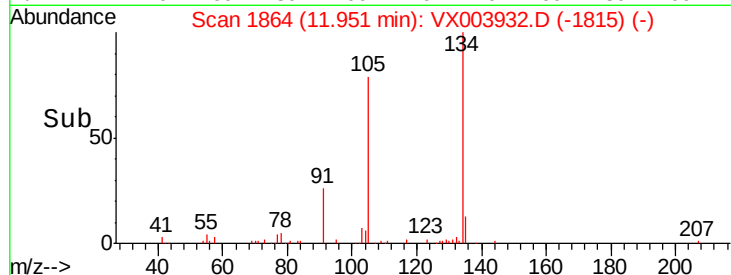
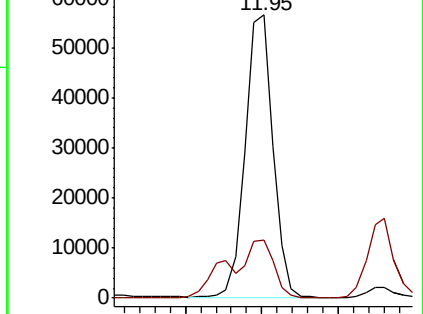
105 100

134 20.6 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: 2.59 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VX003932.D

Acq: 08 Aug 2018 19:05

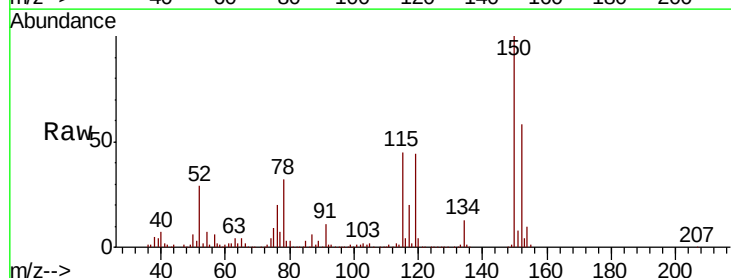
Tgt Ion:119 Resp: 39860

Ion Ratio Lower Upper

119 100

134 28.3 13.3 39.8

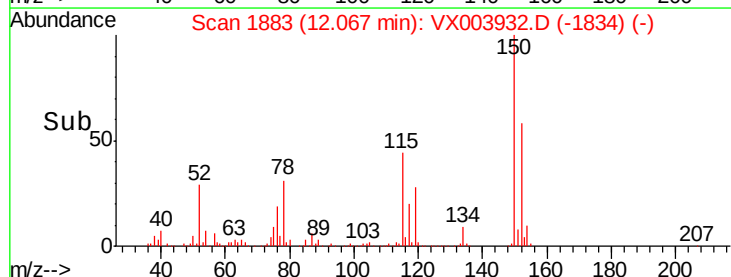
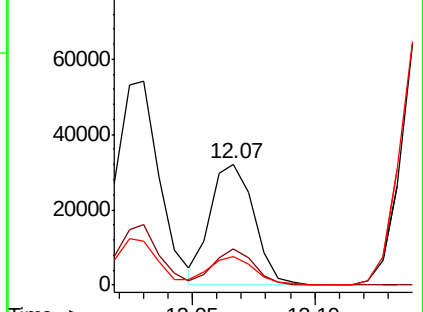
91 23.6 10.9 32.7

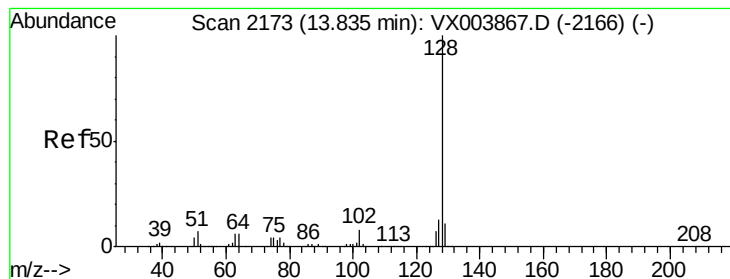


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





#95

Naphthalene

Concen: 50.99 ug/l

RT: 13.83 min Scan# 2173

Delta R.T. 0.00 min

Lab File: VX003932.D

Acq: 08 Aug 2018 19:05

Instrument :

MSVOA_X

ClientSampleId :

FL-0549

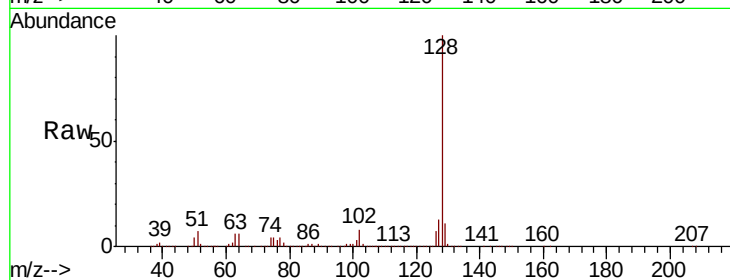
Tot Ion:128 Resp: 929060

Ion Ratio Lower Upper

128 100

127 12.8 10.2 15.2

129 11.3 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

