

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082318\
 Data File : VX004223.D
 Acq On : 23 Aug 2018 13:40
 Operator : JC/MD
 Sample : J4579-06DL 10X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0546DL

Quant Time: Aug 24 06:28:18 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	306288	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	480865	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	420198	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	262103	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	203403	50.95	ug/l	0.00
Spiked Amount			Recovery	=	101.90%	
35) Dibromofluoromethane	5.51	113	172741	48.29	ug/l	0.00
Spiked Amount			Recovery	=	96.58%	
50) Toluene-d8	8.71	98	680259	50.38	ug/l	0.00
Spiked Amount			Recovery	=	100.76%	
62) 4-Bromofluorobenzene	11.14	95	243720	48.37	ug/l	0.00
Spiked Amount			Recovery	=	96.74%	

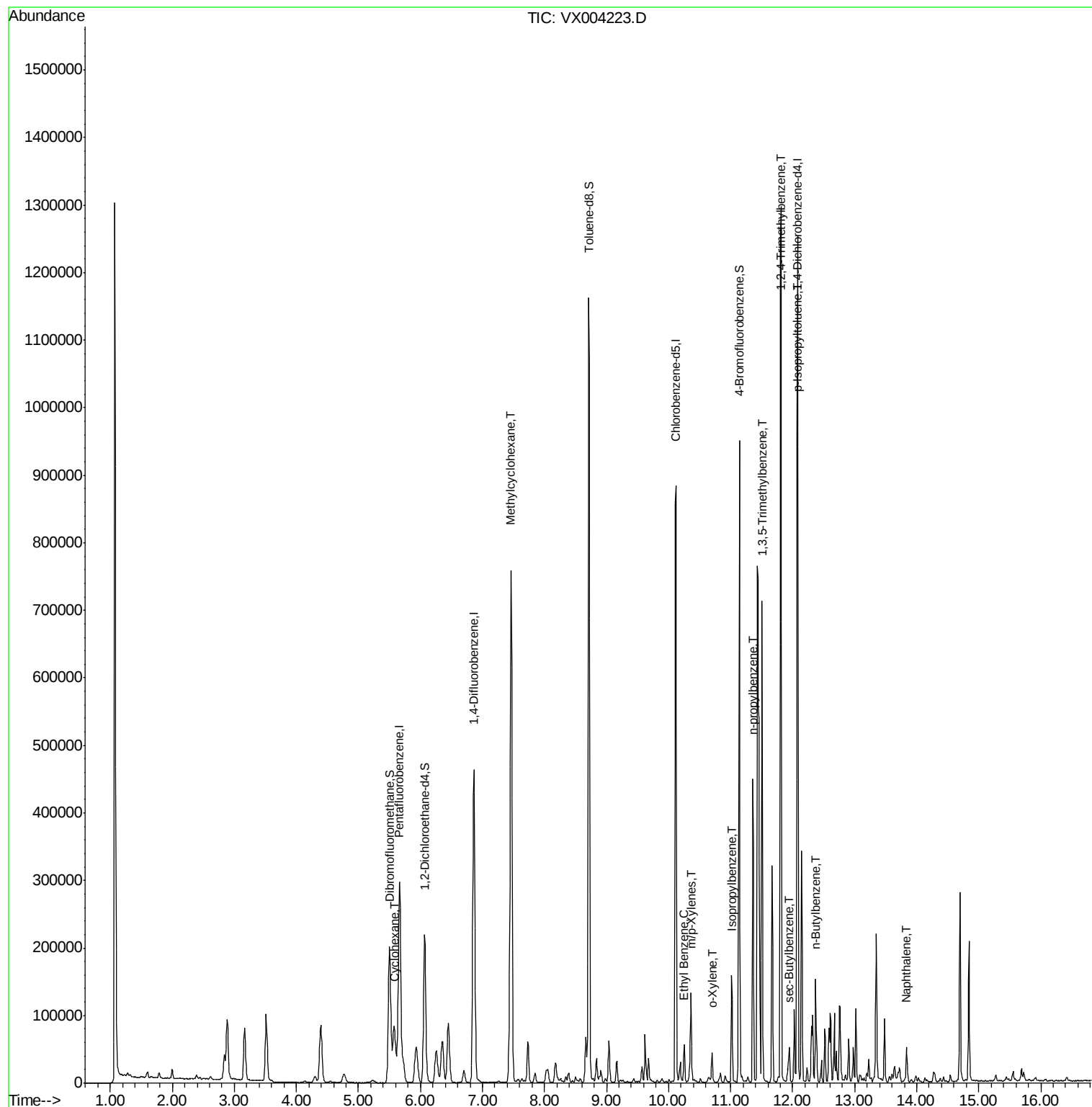
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Cyclohexane	5.57	56	55748	9.96	ug/l	98
39) Methylcyclohexane	7.46	83	347088	56.23	ug/l	99
67) Ethyl Benzene	10.25	91	31867	1.86	ug/l	96
68) m/p-Xylenes	10.36	106	28205	4.21	ug/l	98
69) o-Xylene	10.70	106	9571	1.51	ug/l	94
73) Isopropylbenzene	11.02	105	79386	4.61	ug/l	99
78) n-propylbenzene	11.36	91	252848	12.77	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	296617	20.81	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	585508	40.01	ug/l	98
85) sec-Butylbenzene	11.94	105	27933	1.64	ug/l	84
86) p-Isopropyltoluene	12.07	119	28227	1.85	ug/l	98
89) n-Butylbenzene	12.38	91	21187	1.71	ug/l #	23
95) Naphthalene	13.83	128	31594	1.85	ug/l #	97

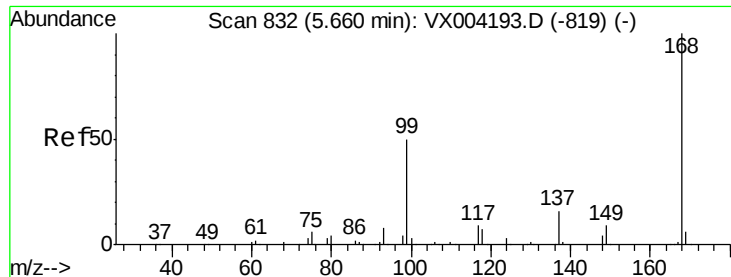
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X082218W.M
Quant Title : SW846 8260
QLast Update : Thu Aug 23 05:39:44 2018
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: VX004223.D

Acq: 23 Aug 2018 13:40

Instrument :

MSVOA_X

ClientSampleId :

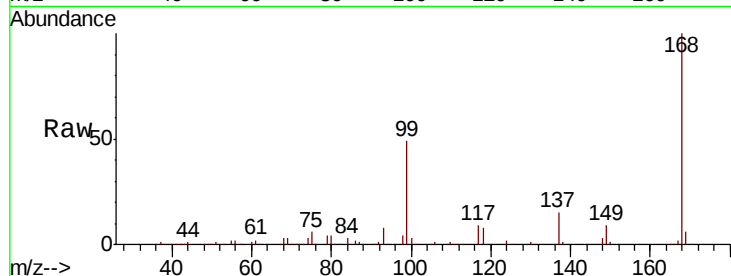
FL-0546DL

Tot Ion:168 Resp: 306288

Ion Ratio Lower Upper

168 100

99 49.2 39.9 59.9



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

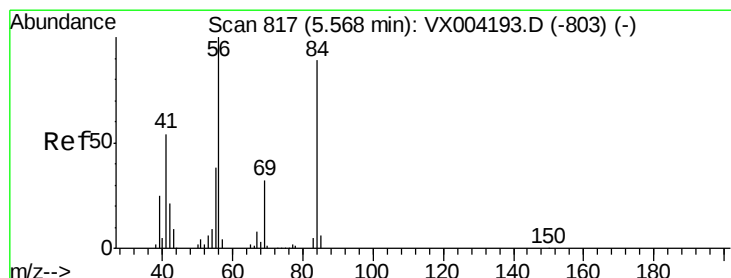
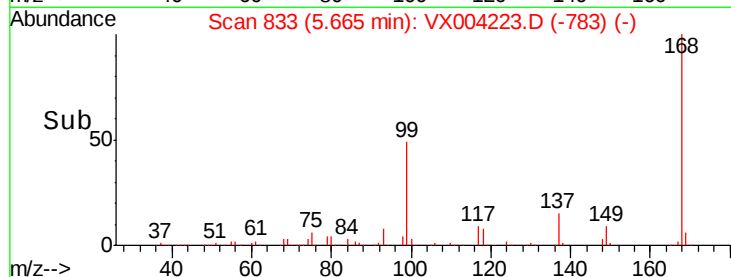
40000

20000

0

Time-->

5.50 5.60 5.70 5.80 5.90



#31

Cyclohexane

Concen: 9.96 ug/l

RT: 5.57 min Scan# 818

Delta R.T. 0.01 min

Lab File: VX004223.D

Acq: 23 Aug 2018 13:40

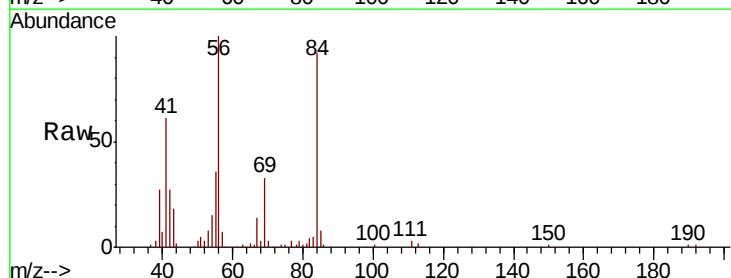
Tgt Ion: 56 Resp: 55748

Ion Ratio Lower Upper

56 100

69 32.7 25.4 38.2

84 91.7 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

20000

15000

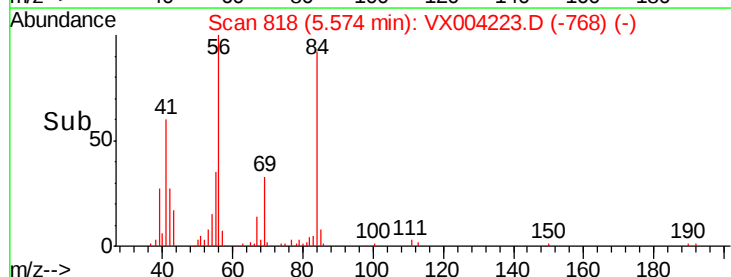
10000

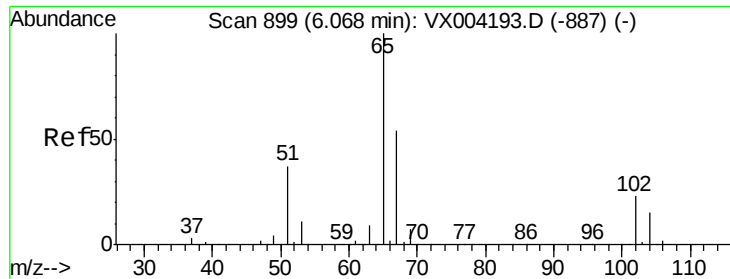
5000

0

Time-->

5.50 5.55 5.60 5.65 5.70

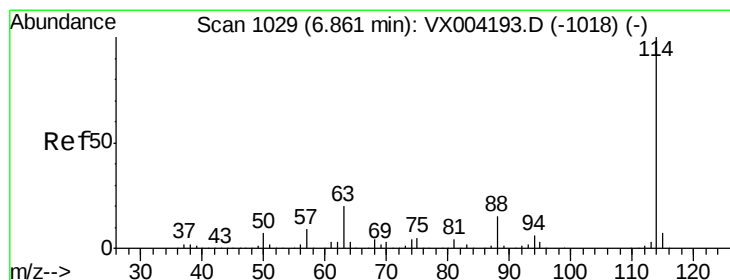
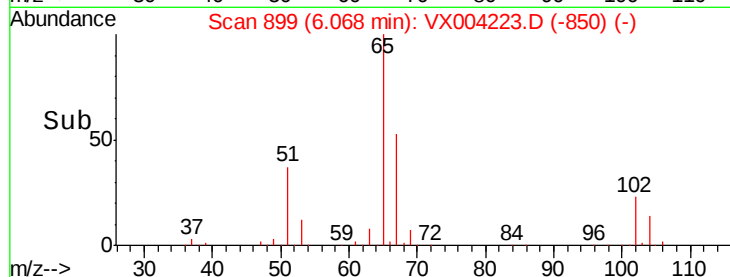
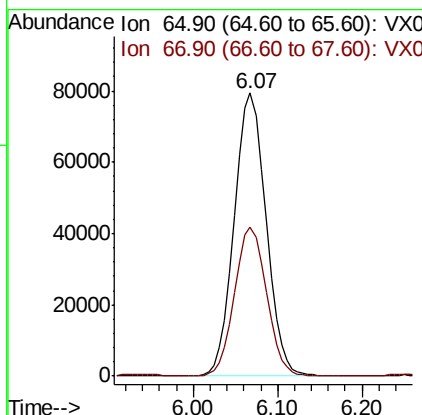
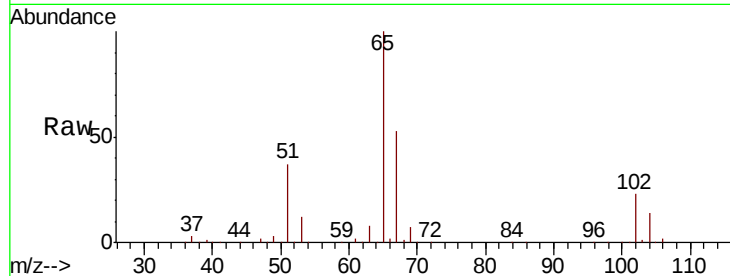




#33
 1,2-Dichloroethane-d4
 Concen: 50.95 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. -0.00 min
 Lab File: VX004223.D
 Acq: 23 Aug 2018 13:40

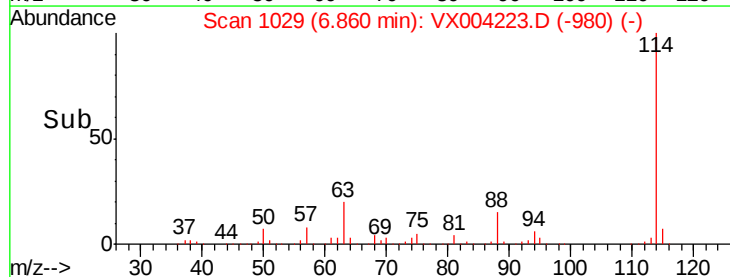
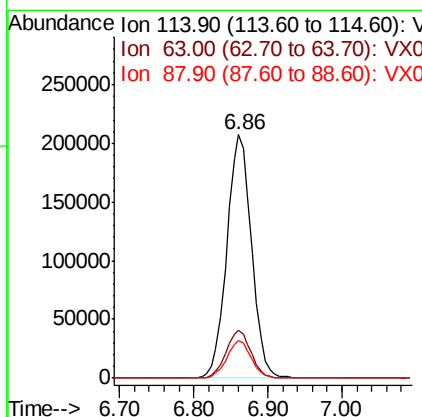
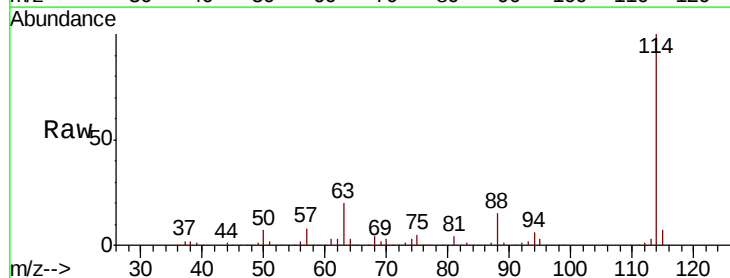
Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0546DL

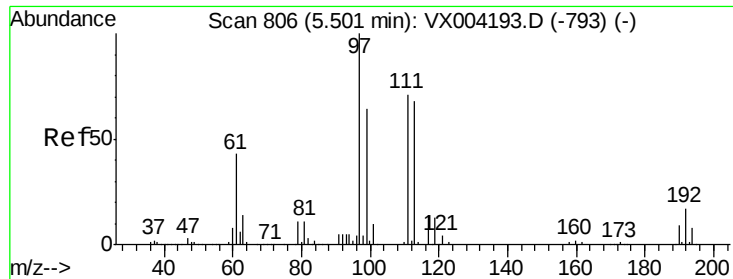
Tot Ion: 65 Resp: 203403
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. -0.00 min
 Lab File: VX004223.D
 Acq: 23 Aug 2018 13:40

Tgt Ion: 114 Resp: 480865
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 39.0
 88 15.2 0.0 30.4





#35

Dibromofluoromethane

Concen: 48.29 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.01 min

Lab File: VX004223.D

Acq: 23 Aug 2018 13:40

Instrument :

MSVOA_X

ClientSampleId :

FL-0546DL

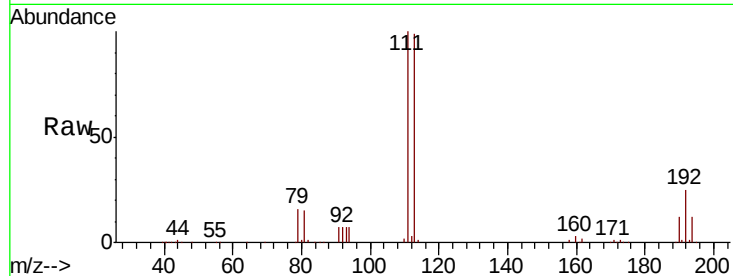
Tot Ion:113 Resp: 172741

Ion Ratio Lower Upper

113 100

111 101.6 82.4 123.6

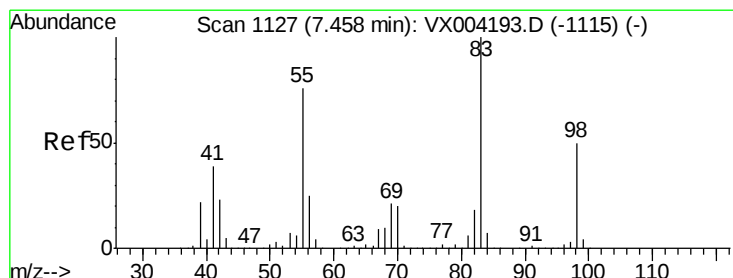
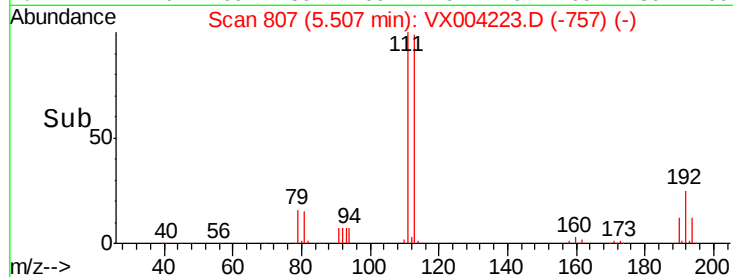
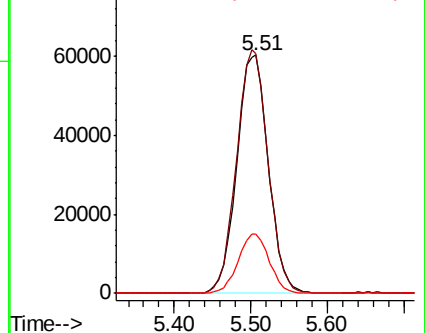
192 24.5 19.4 29.2



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: 56.23 ug/l

RT: 7.46 min Scan# 1128

Delta R.T. 0.01 min

Lab File: VX004223.D

Acq: 23 Aug 2018 13:40

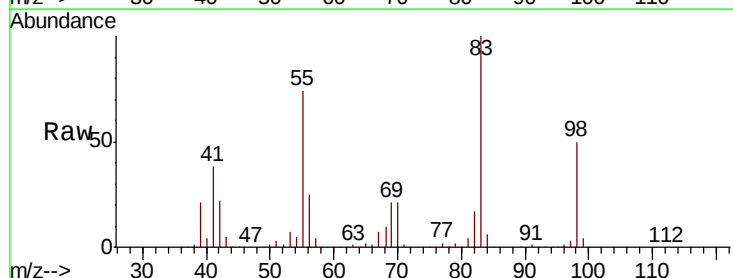
Tgt Ion: 83 Resp: 347088

Ion Ratio Lower Upper

83 100

55 74.5 61.0 91.4

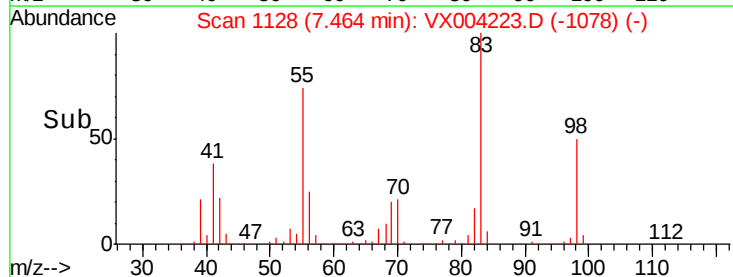
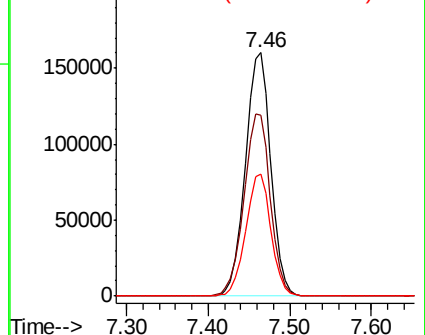
98 50.0 39.6 59.4

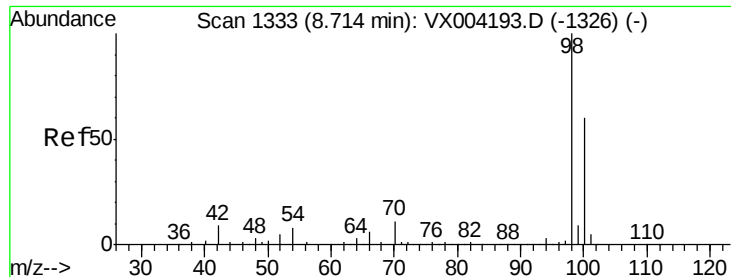


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#50

Toluene-d8

Concen: 50.38 ug/l

RT: 8.71 min Scan# 1333

Delta R.T. -0.00 min

Lab File: VX004223.D

Acq: 23 Aug 2018 13:40

Instrument :

MSVOA_X

ClientSampleId :

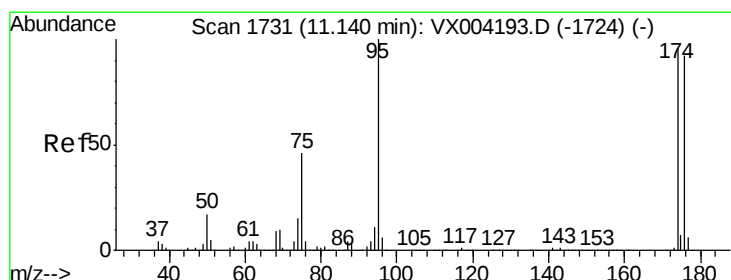
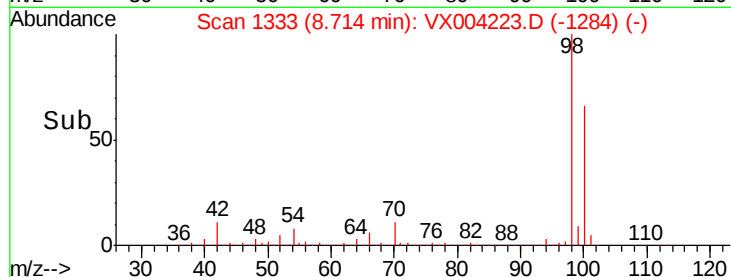
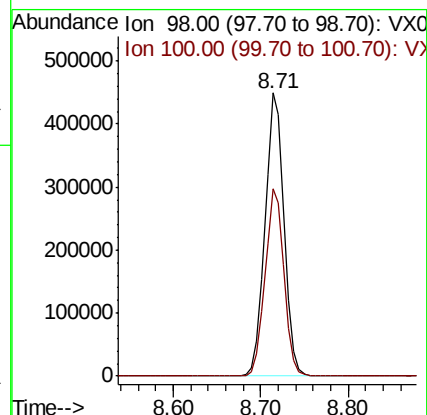
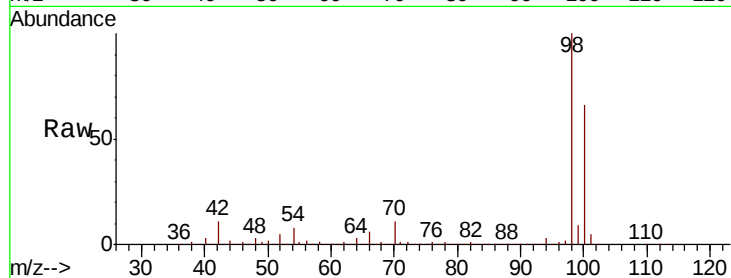
FL-0546DL

Tot Ion: 98 Resp: 680259

Ion Ratio Lower Upper

98 100

100 65.7 52.9 79.3



#62

4-Bromofluorobenzene

Concen: 48.37 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX004223.D

Acq: 23 Aug 2018 13:40

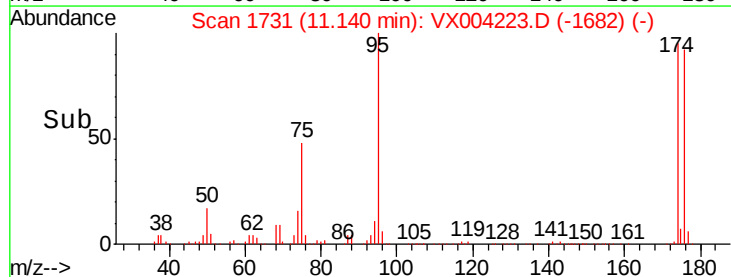
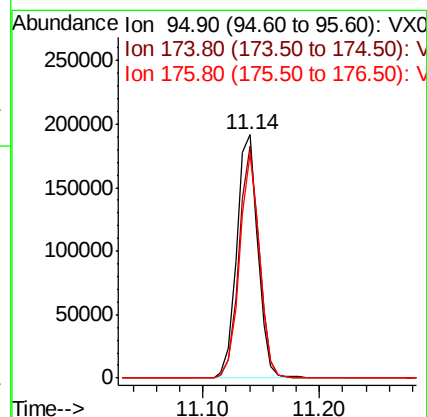
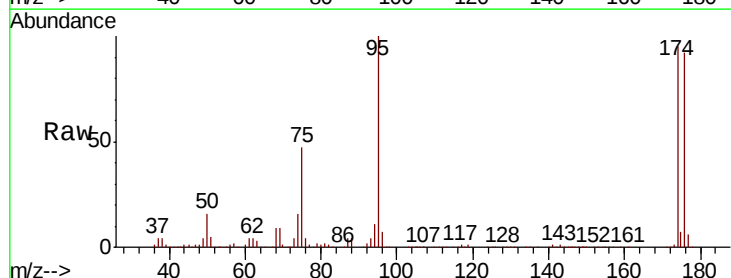
Tgt Ion: 95 Resp: 243720

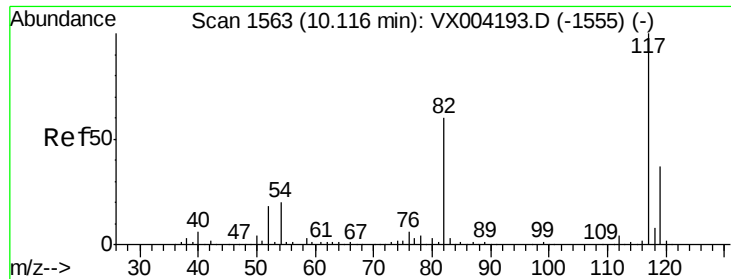
Ion Ratio Lower Upper

95 100

174 90.8 0.0 185.2

176 87.0 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: VX004223.D

Acq: 23 Aug 2018 13:40

Instrument :

MSVOA_X

ClientSampleID :

FL-0546DL

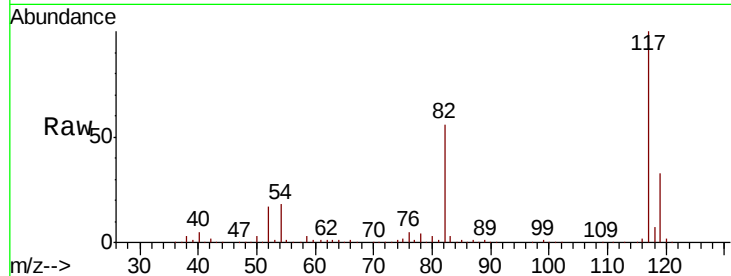
Tot Ion:117 Resp: 420198

Ion Ratio Lower Upper

117 100

82 55.6 47.8 71.6

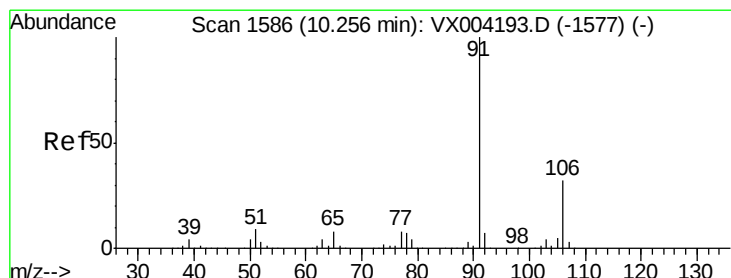
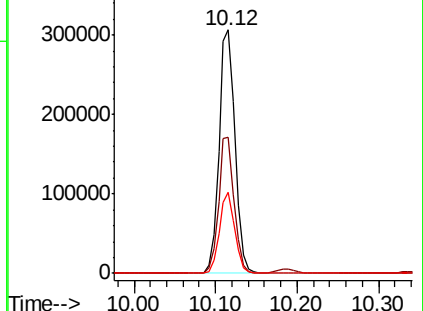
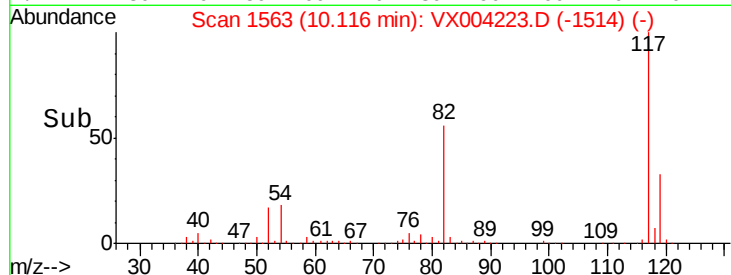
119 33.2 29.3 43.9



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: 1.86 ug/l

RT: 10.25 min Scan# 1585

Delta R.T. -0.01 min

Lab File: VX004223.D

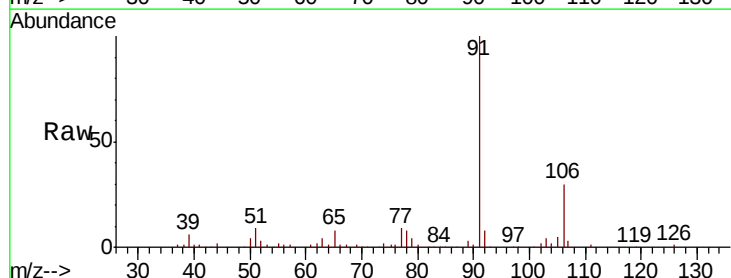
Acq: 23 Aug 2018 13:40

Tgt Ion: 91 Resp: 31867

Ion Ratio Lower Upper

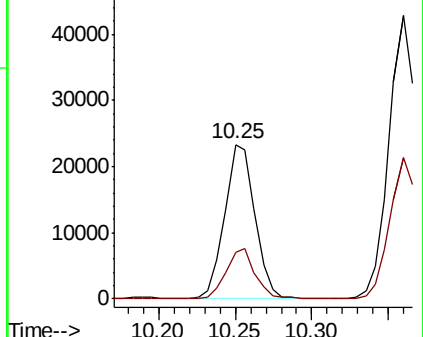
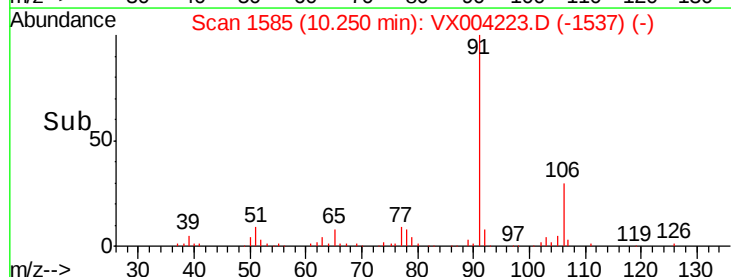
91 100

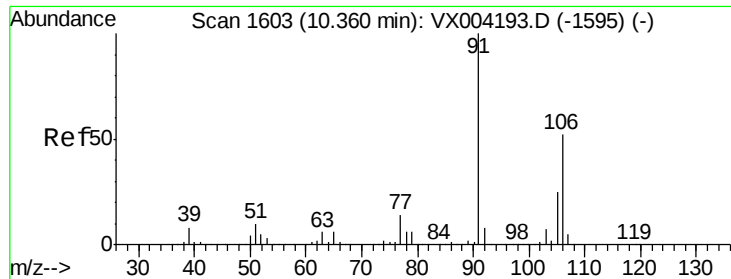
106 30.0 25.9 38.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V

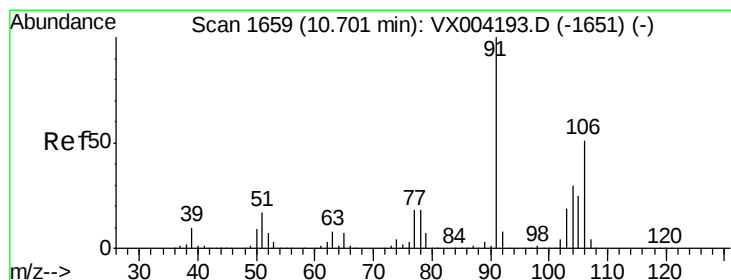
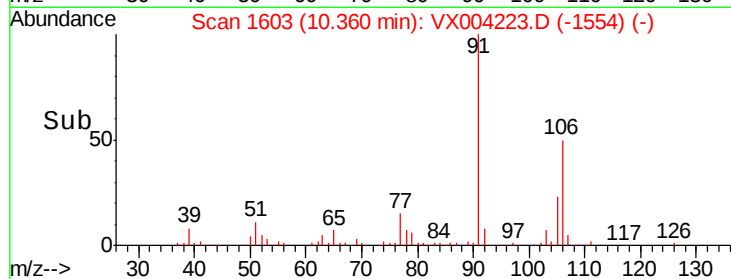
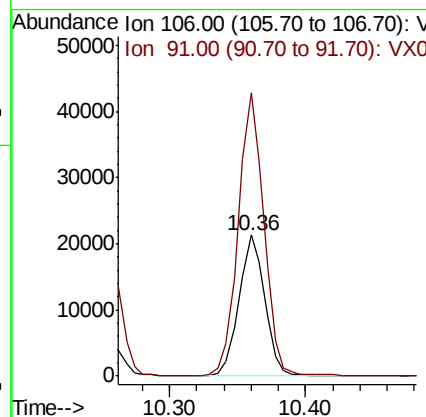
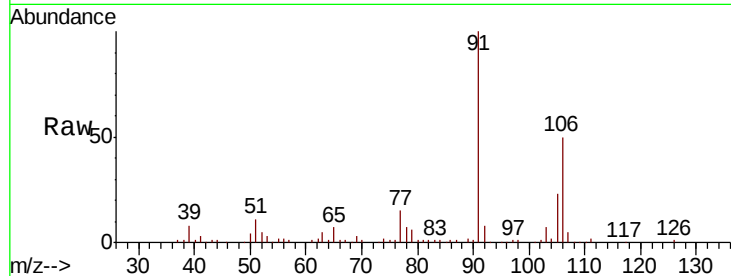




#68
m/p-Xvlenes
Concen: 4.21 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VX004223.D
Acq: 23 Aug 2018 13:40

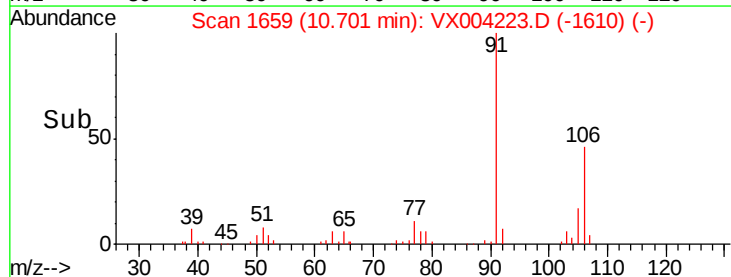
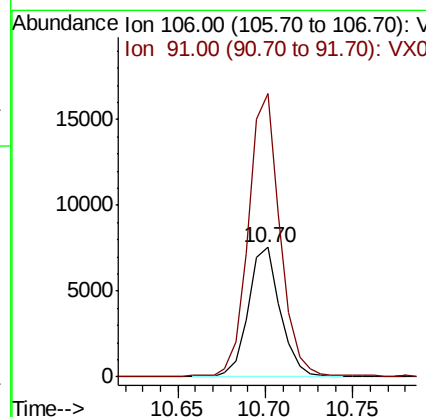
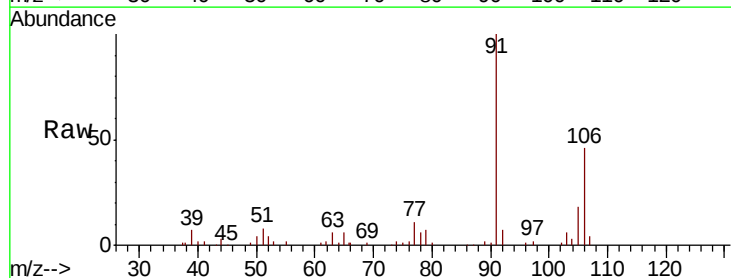
Instrument :
MSVOA_X
ClientSampled :
FL-0546DL

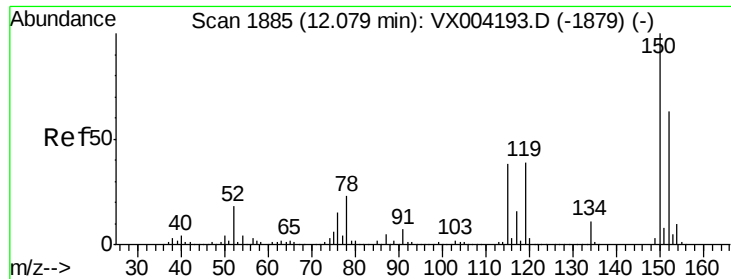
Tot Ion:106 Resp: 28205
Ion Ratio Lower Upper
106 100
91 198.9 157.1 235.7



#69
o-Xylene
Concen: 1.51 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX004223.D
Acq: 23 Aug 2018 13:40

Tgt Ion:106 Resp: 9571
Ion Ratio Lower Upper
106 100
91 219.1 105.1 315.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VX004223.D

Acq: 23 Aug 2018 13:40

Instrument :

MSVOA_X

ClientSampleId :

FL-0546DL

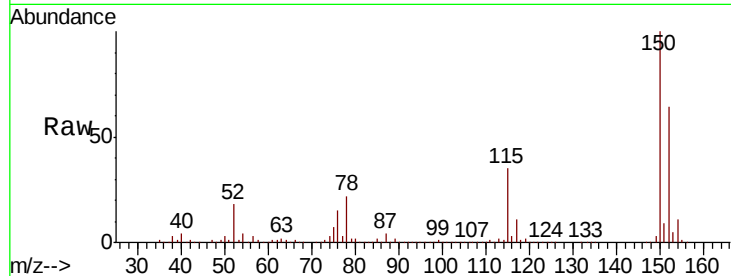
Tot Ion:152 Resp: 262103

Ion Ratio Lower Upper

152 100

115 54.7 39.0 117.0

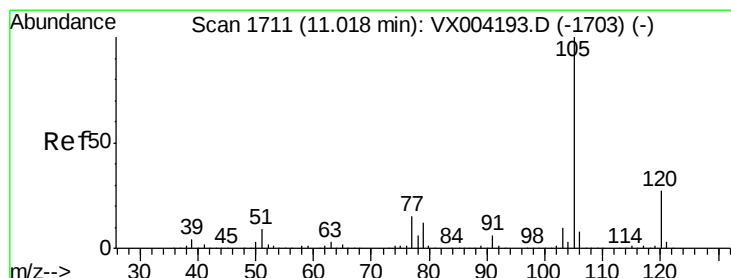
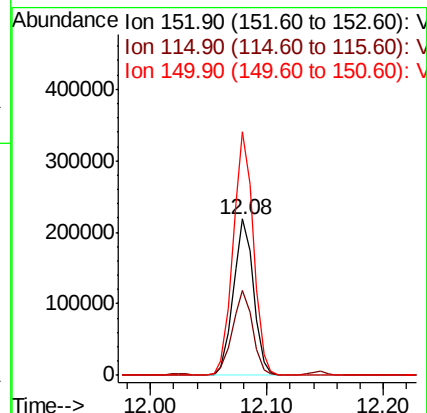
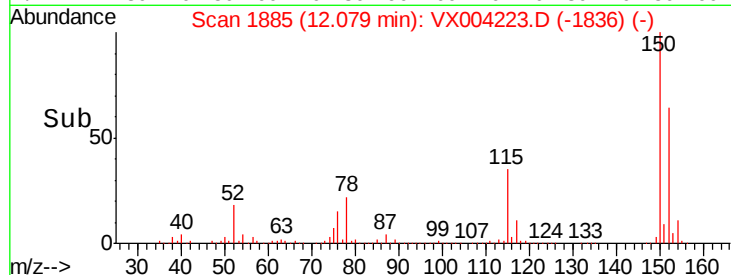
150 156.6 0.0 351.0



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: 4.61 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. -0.00 min

Lab File: VX004223.D

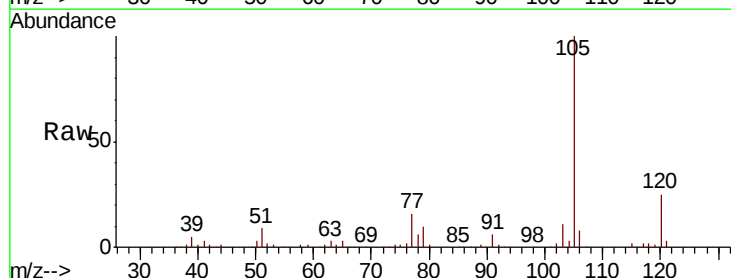
Acq: 23 Aug 2018 13:40

Tgt Ion:105 Resp: 79386

Ion Ratio Lower Upper

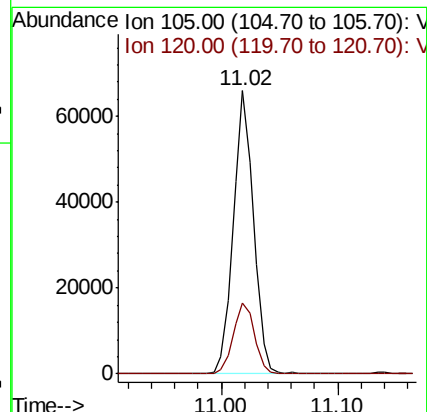
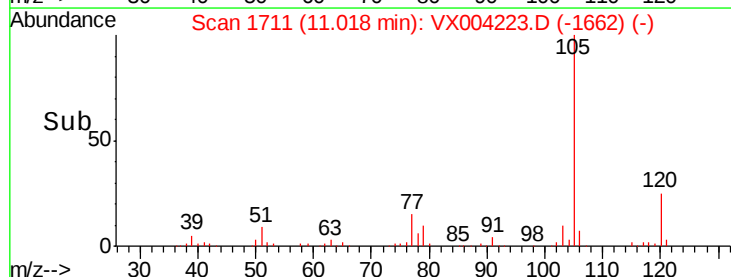
105 100

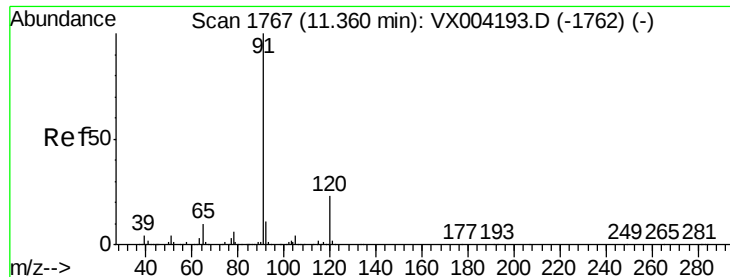
120 26.5 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 12.77 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. -0.00 min

Lab File: VX004223.D

Acq: 23 Aug 2018 13:40

Instrument :

MSVOA_X

ClientSampled :

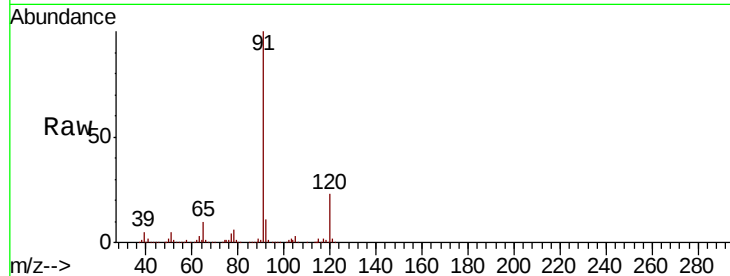
FL-0546DL

Tot Ion: 91 Resp: 252848

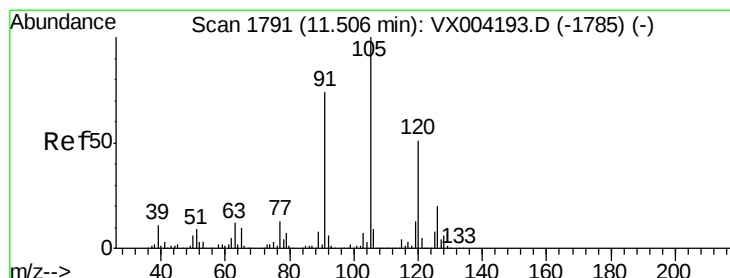
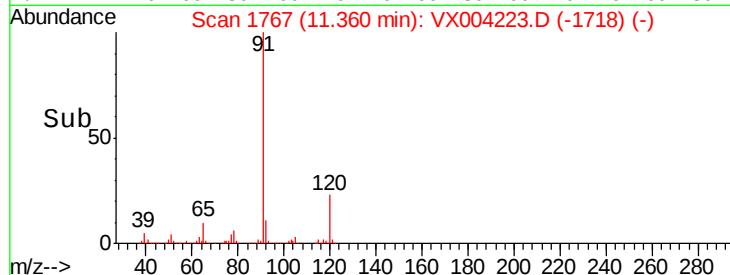
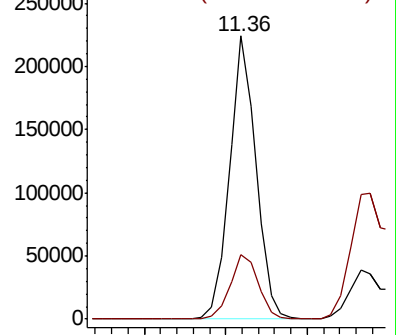
Ion Ratio Lower Upper

91 100

120 24.0 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VX004193.D (-1762) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.81 ug/l

RT: 11.51 min Scan# 1791

Delta R.T. -0.00 min

Lab File: VX004223.D

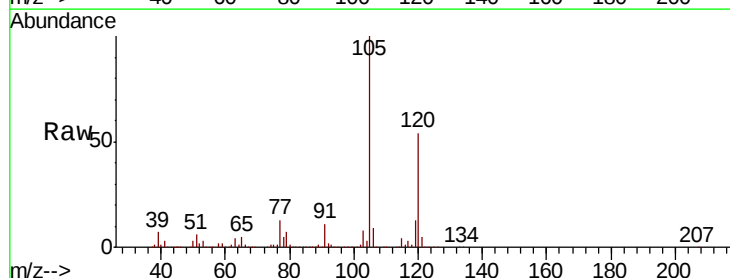
Acq: 23 Aug 2018 13:40

Tgt Ion: 105 Resp: 296617

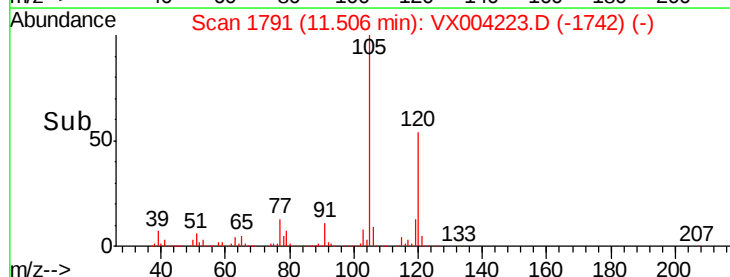
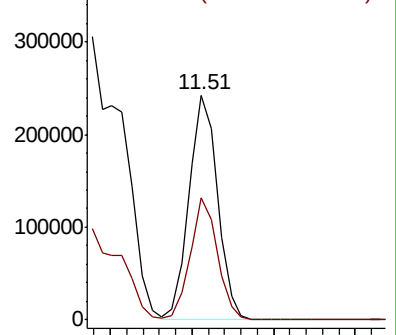
Ion Ratio Lower Upper

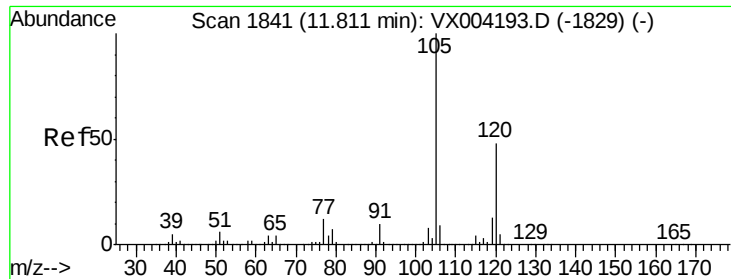
105 100

120 51.5 25.6 76.8



Abundance Ion 105.00 (104.70 to 105.70): VX004193.D (-1785) (-)

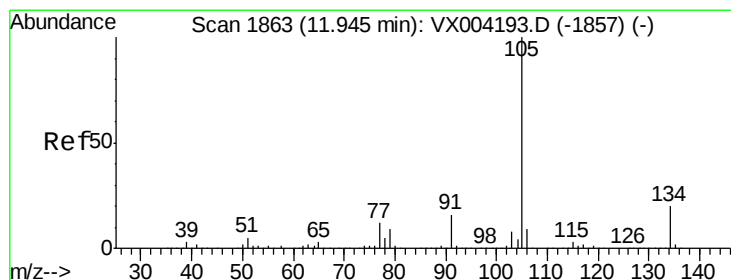
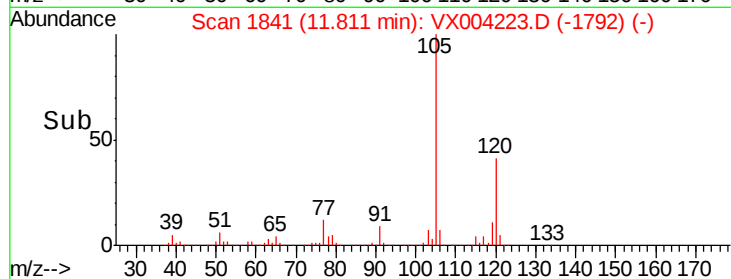
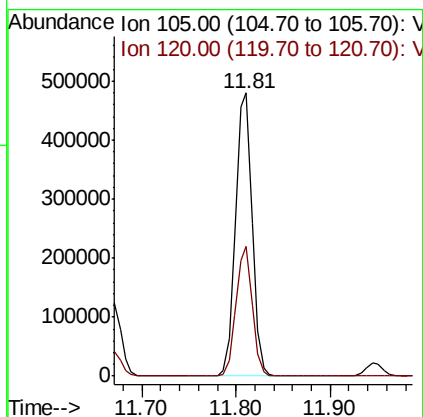
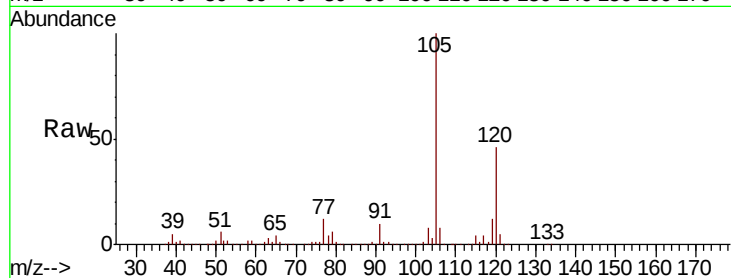




#84
 1,2,4-Trimethylbenzene
 Concen: 40.01 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX004223.D
 Acq: 23 Aug 2018 13:40

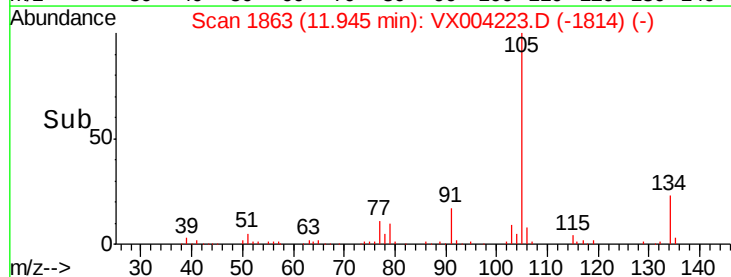
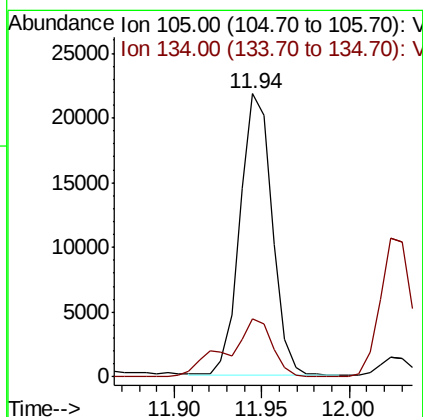
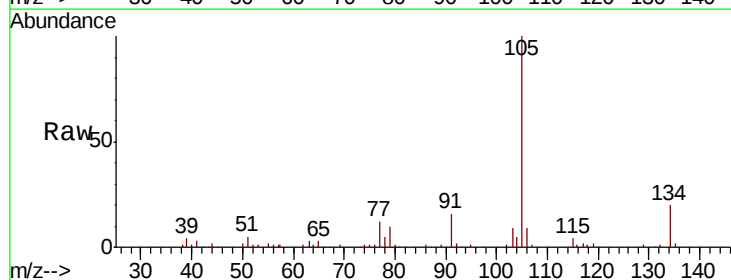
Instrument :
 MSVOA_X
 ClientSampled :
 FL-0546DL

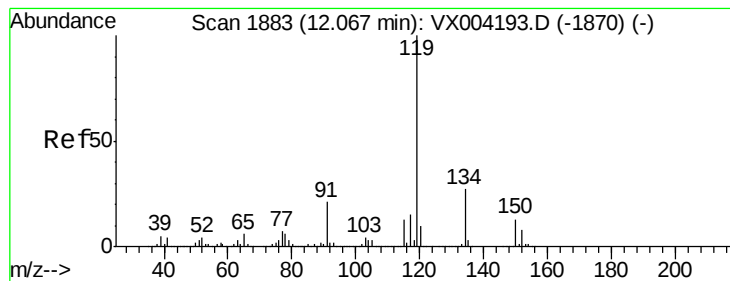
Tot Ion:105 Resp: 585508
 Ion Ratio Lower Upper
 105 100
 120 44.9 23.2 69.6



#85
 sec-Butylbenzene
 Concen: 1.64 ug/l
 RT: 11.94 min Scan# 1863
 Delta R.T. -0.00 min
 Lab File: VX004223.D
 Acq: 23 Aug 2018 13:40

Tgt Ion:105 Resp: 27933
 Ion Ratio Lower Upper
 105 100
 134 28.6 10.5 31.5





#86

p-Isopropyltoluene

Concen: 1.85 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX004223.D

Acq: 23 Aug 2018 13:40

Instrument :

MSVOA_X

ClientSampleID :

FL-0546DL

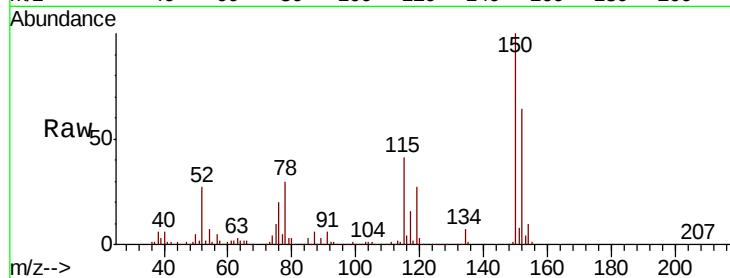
Tot Ion:119 Resp: 28227

Ion Ratio Lower Upper

119 100

134 26.8 13.4 40.2

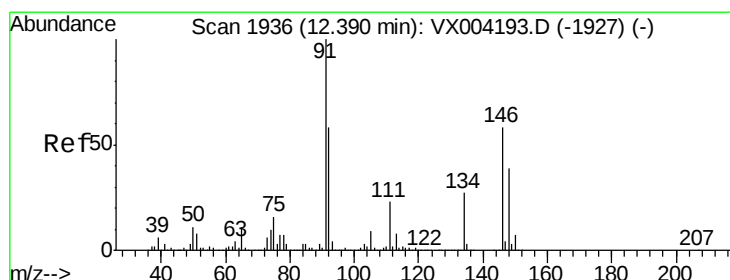
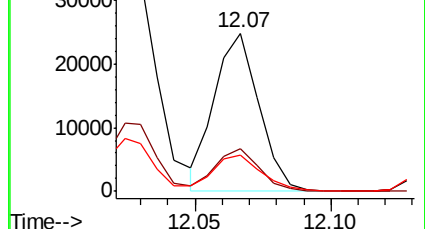
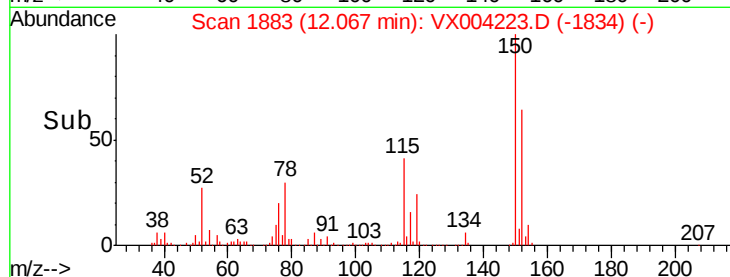
91 24.2 10.9 32.7



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): V



#89

n-Butylbenzene

Concen: 1.71 ug/l

RT: 12.38 min Scan# 1935

Delta R.T. -0.01 min

Lab File: VX004223.D

Acq: 23 Aug 2018 13:40

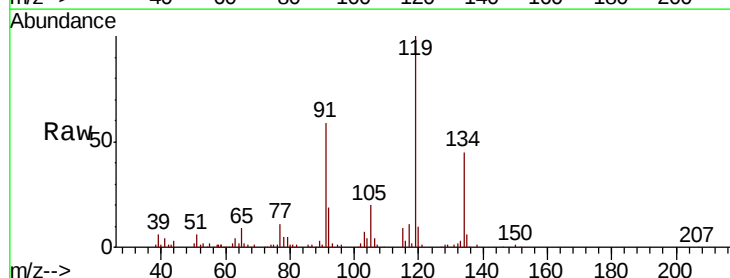
Tgt Ion: 91 Resp: 21187

Ion Ratio Lower Upper

91 100

92 30.4 27.3 81.9

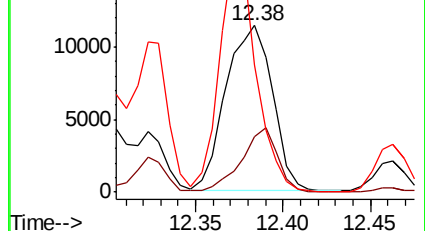
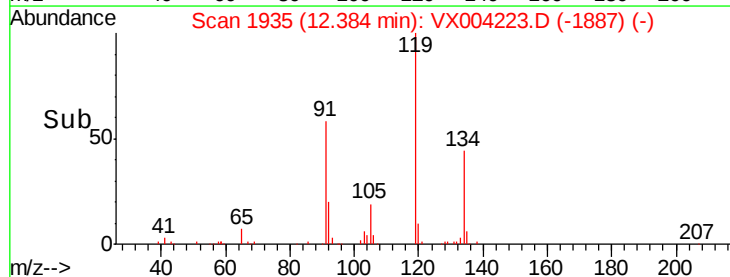
134 112.8 13.6 40.7#

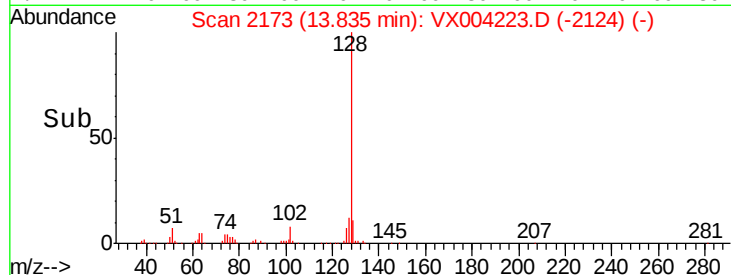
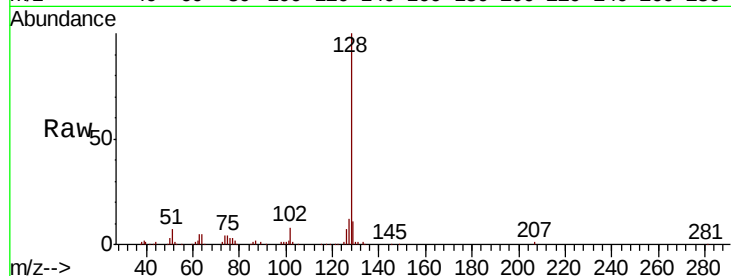
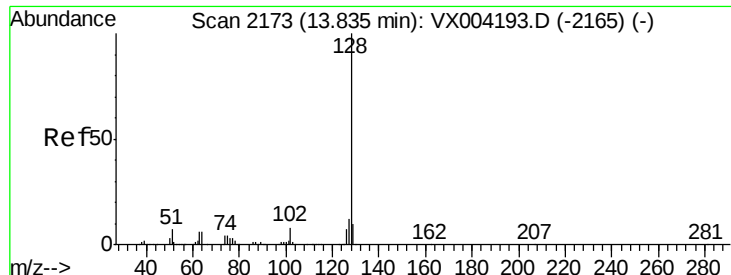


Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0

Ion 134.00 (133.70 to 134.70): V





#95
Naphthalene
Concen: 1.85 ug/l
RT: 13.83 min Scan# 2173
Delta R.T. -0.00 min
Lab File: VX004223.D
Acq: 23 Aug 2018 13:40

Instrument :
MSVOA_X
ClientSampleId :
FL-0546DL

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.2
129	13.1	8.6	12.8#

