

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062818\
 Data File : VX003020.D
 Acq On : 29 Jun 2018 08:01
 Operator : JC/MD
 Sample : J3720-08
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-23

Quant Time: Jun 29 10:22:31 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 14:38:05 2018
 Response via : Initial Calibration

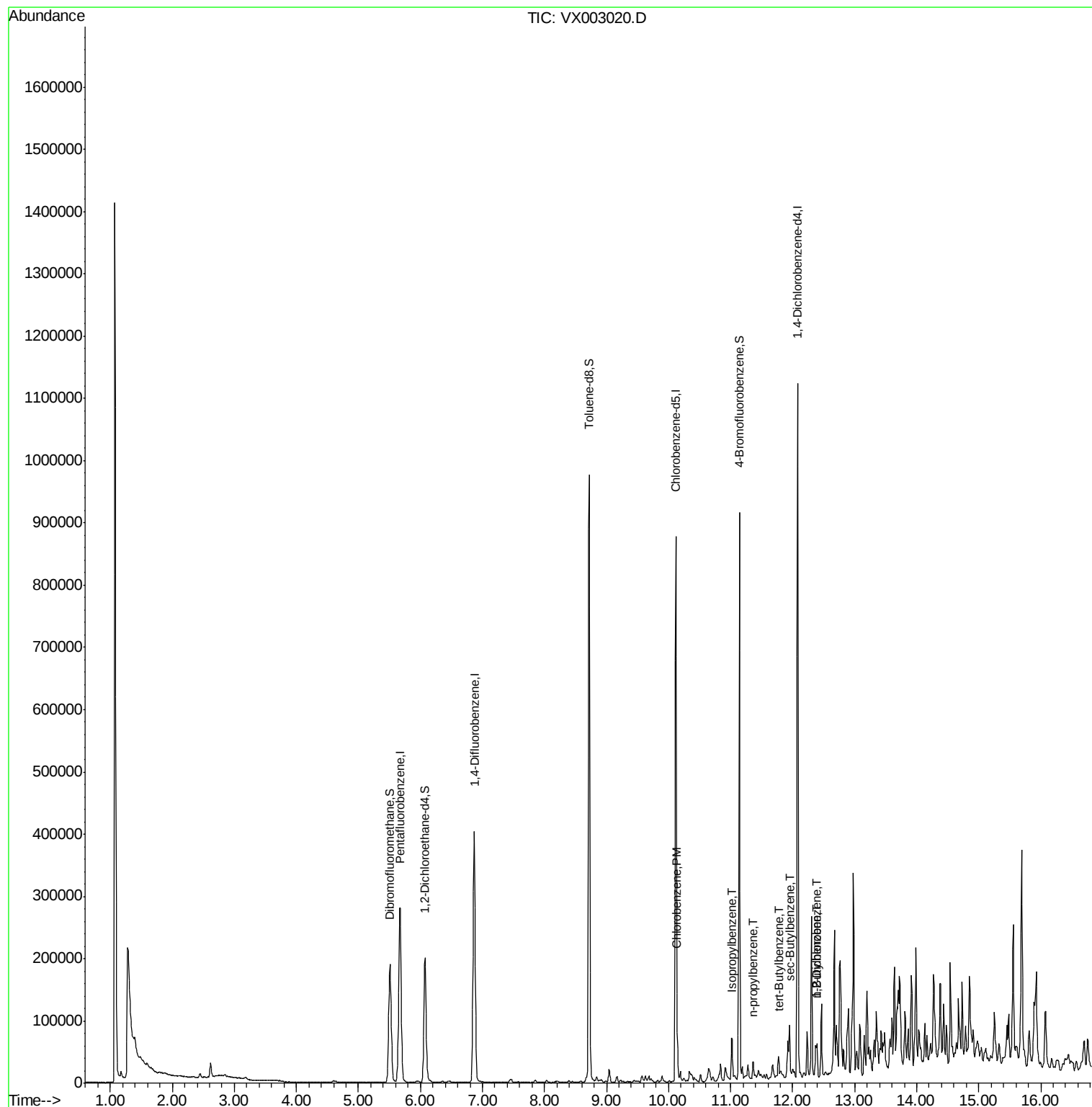
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	289130	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	403217	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	385132	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	229061	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	192256	48.11	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.22%	
35) Dibromofluoromethane	5.51	113	155543	48.71	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.42%	
50) Toluene-d8	8.72	98	570814	48.95	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.90%	
62) 4-Bromofluorobenzene	11.14	95	212283	47.21	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.42%	
Target Compounds						
65) Chlorobenzene	10.14	112	22841	2.33	ug/l	99
73) Isopropylbenzene	11.02	105	34746	2.25	ug/l	100
78) n-propylbenzene	11.37	91	17243	0.98	ug/l	100
83) tert-Butylbenzene	11.77	119	11902	0.93	ug/l	86
85) sec-Butylbenzene	11.95	105	39362	2.54	ug/l	95
89) n-Butylbenzene	12.39	91	7594	0.63	ug/l	89
91) 1,2-Dichlorobenzene	12.40	146	7983	0.99	ug/l	96

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

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QLast Update : Mon Jun 25 14:38:05 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.01 min

Lab File: VX003020.D

Acq: 29 Jun 2018 08:01

Instrument :

MSVOA_X

ClientSampleId :

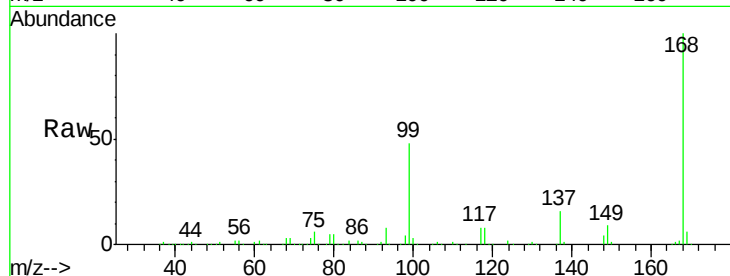
MW-23

Tot Ion:168 Resp: 289130

Ion Ratio Lower Upper

168 100

99 48.0 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

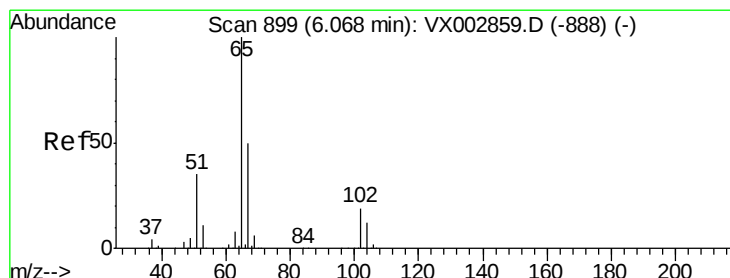
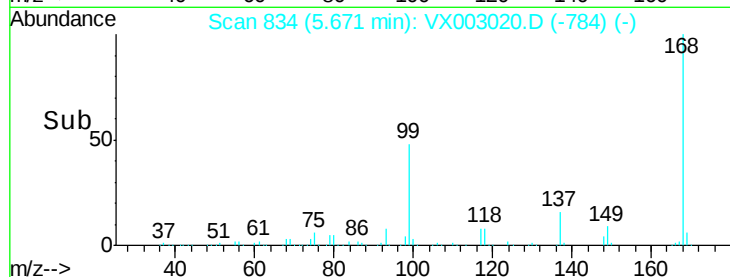
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#33

1,2-Dichloroethane-d4

Concen: 48.11 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.01 min

Lab File: VX003020.D

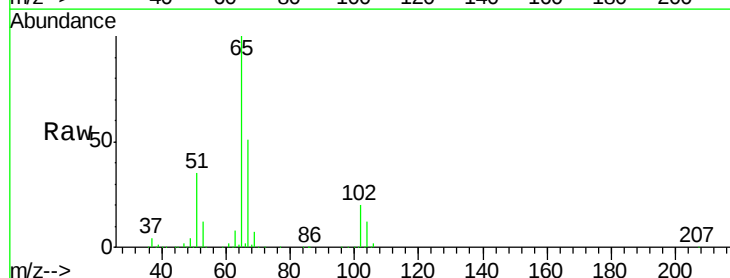
Acq: 29 Jun 2018 08:01

Tgt Ion: 65 Resp: 192256

Ion Ratio Lower Upper

65 100

67 51.4 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.07

80000

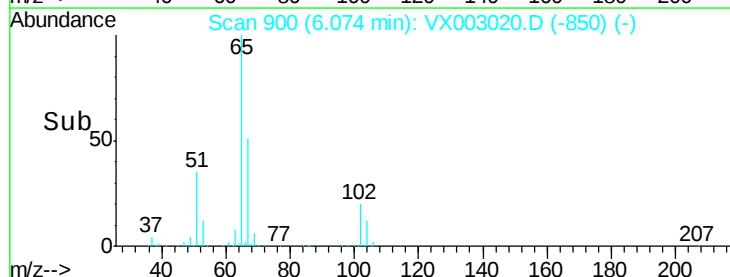
60000

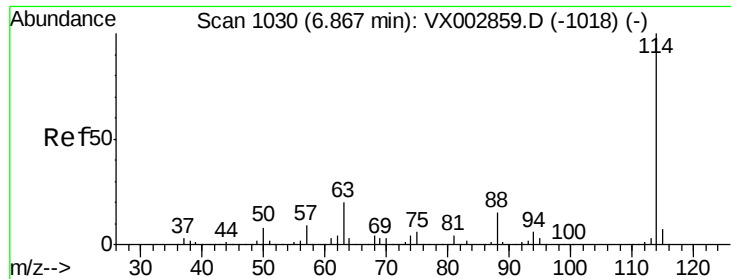
40000

20000

0

Time--> 5.90 6.00 6.10 6.20

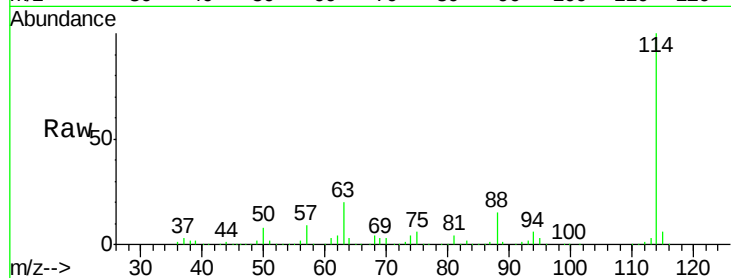




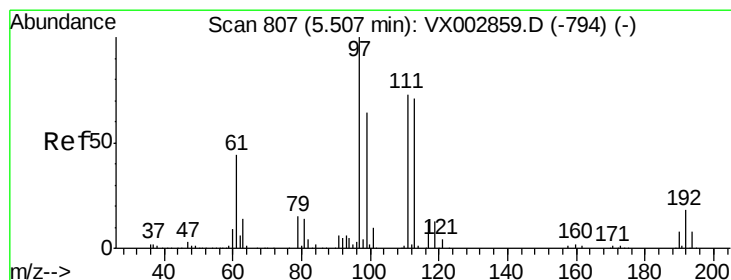
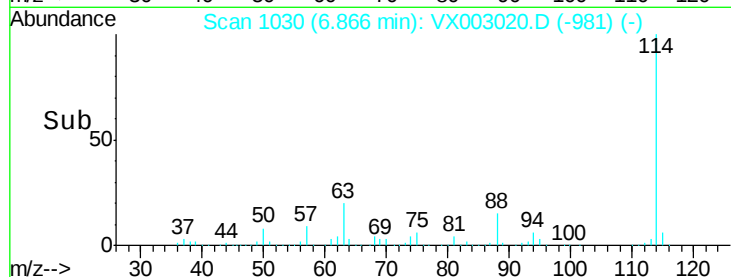
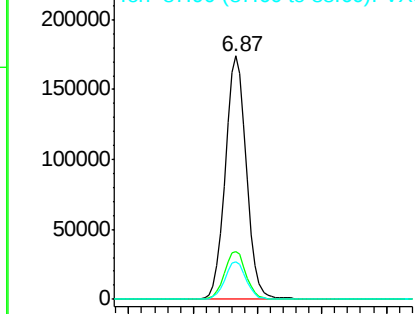
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX003020.D
 Acq: 29 Jun 2018 08:01

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-23

Tot Ion:114 Resp: 403217
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 41.4
 88 15.3 0.0 30.0

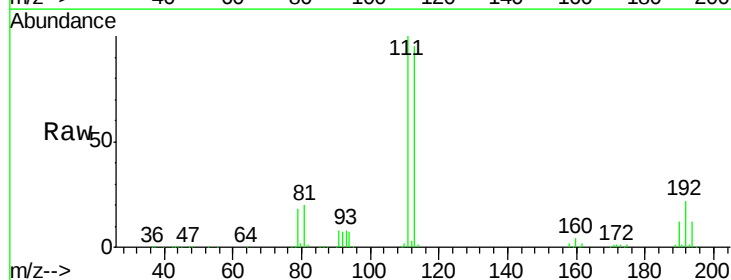


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX
 Ion 87.90 (87.60 to 88.60): VX

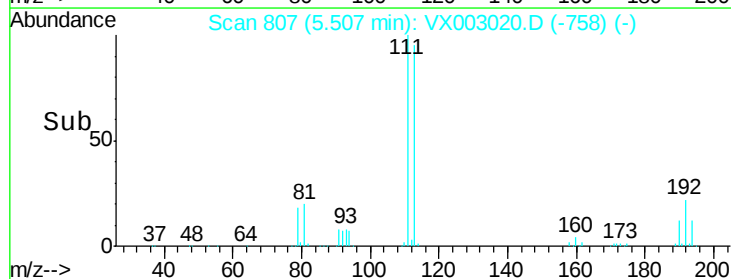
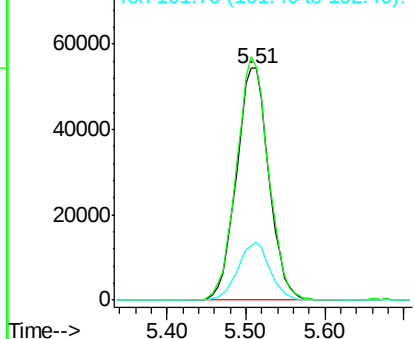


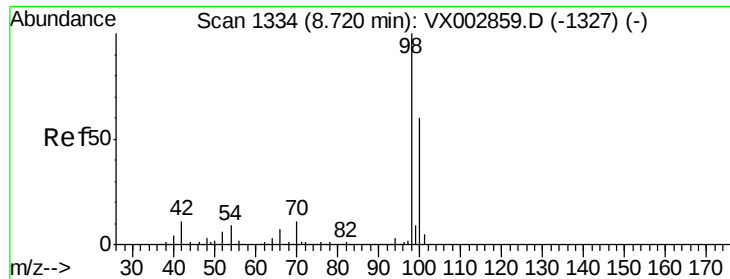
#35
 Dibromofluoromethane
 Concen: 48.71 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. -0.00 min
 Lab File: VX003020.D
 Acq: 29 Jun 2018 08:01

Tgt Ion:113 Resp: 155543
 Ion Ratio Lower Upper
 113 100
 111 103.0 81.4 122.0
 192 24.4 19.1 28.7



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





#50

Toluene-d8

Concen: 48.95 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX003020.D

Acq: 29 Jun 2018 08:01

Instrument :

MSVOA_X

ClientSampleId :

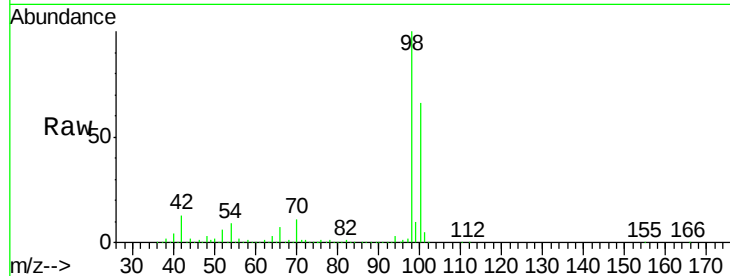
MW-23

Tot Ion: 98 Resp: 570814

Ion Ratio Lower Upper

98 100

100 63.8 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX

8.72

400000

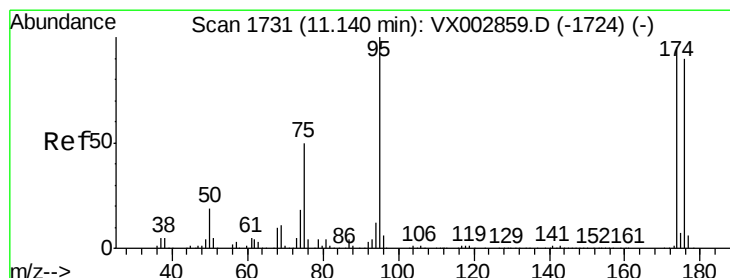
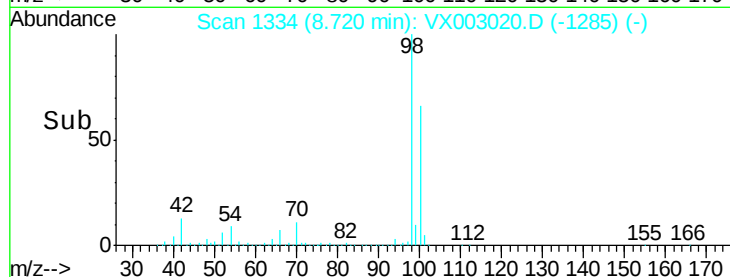
300000

200000

100000

0

Time--> 8.60 8.70 8.80



#62

4-Bromofluorobenzene

Concen: 47.21 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX003020.D

Acq: 29 Jun 2018 08:01

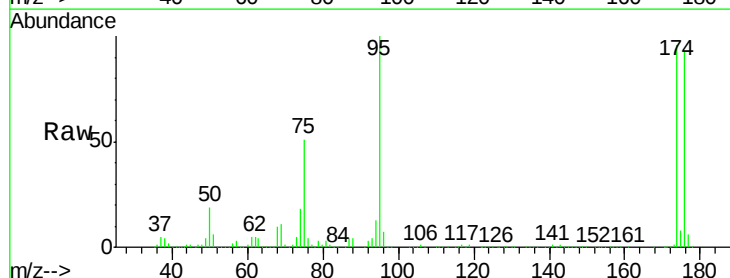
Tgt Ion: 95 Resp: 212283

Ion Ratio Lower Upper

95 100

174 97.5 0.0 187.4

176 94.7 0.0 181.0



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

11.14

200000

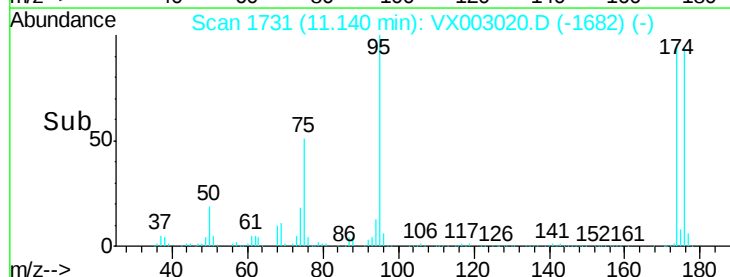
150000

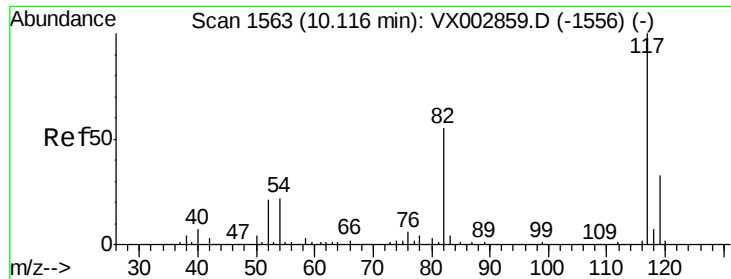
100000

50000

0

Time--> 11.05 11.10 11.15 11.20

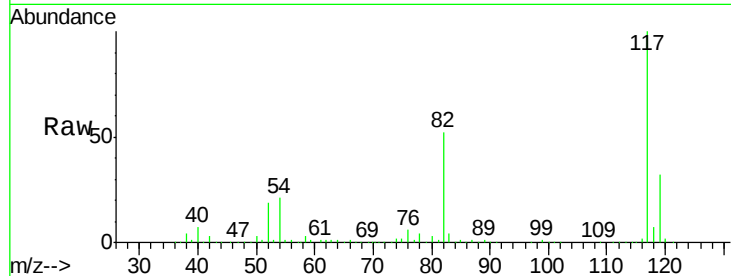




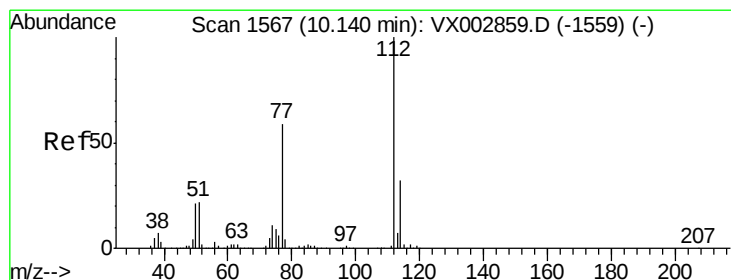
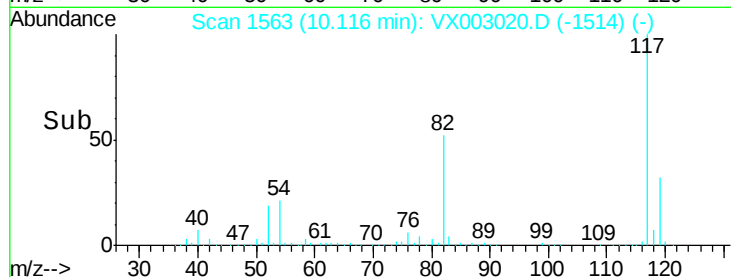
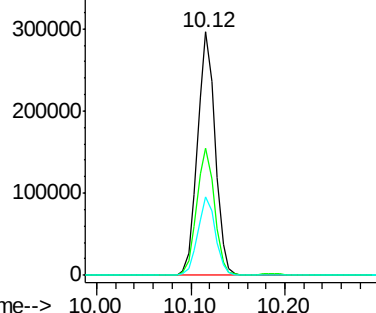
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX003020.D
Acq: 29 Jun 2018 08:01

Instrument :
MSVOA_X
ClientSampleId :
MW-23

Tot Ion:117 Resp: 385132
Ion Ratio Lower Upper
117 100
82 52.1 45.0 67.4
119 32.2 25.8 38.6

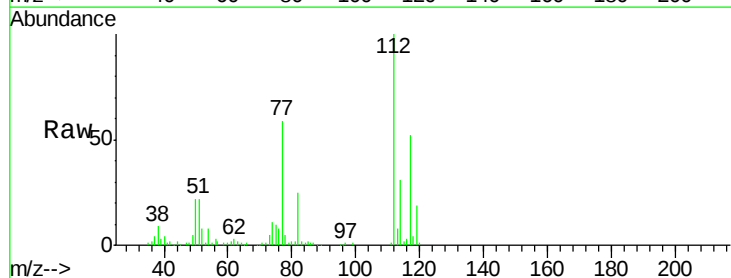


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

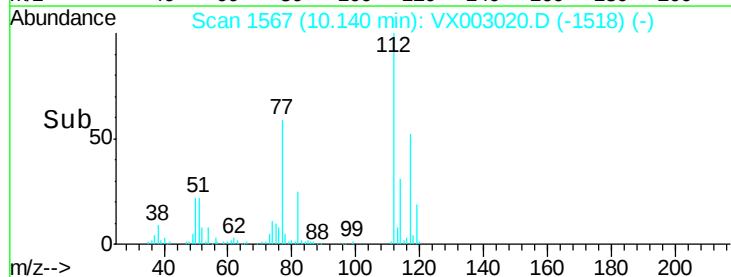
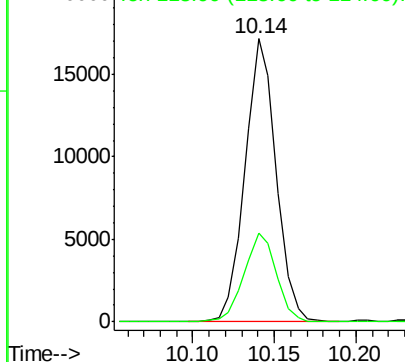


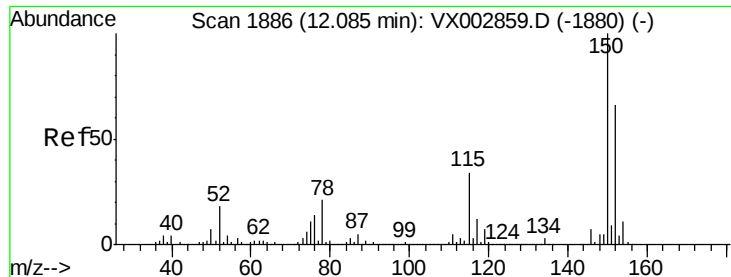
#65
Chlorobenzene
Concen: 2.33 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VX003020.D
Acq: 29 Jun 2018 08:01

Tgt Ion:112 Resp: 22841
Ion Ratio Lower Upper
112 100
114 31.2 25.3 37.9



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VX003020.D

Acq: 29 Jun 2018 08:01

Instrument :

MSVOA_X

ClientSampleId :

MW-23

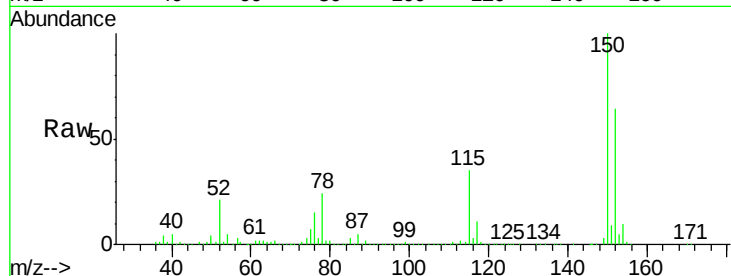
Tot Ion:152 Resp: 229061

Ion Ratio Lower Upper

152 100

115 53.8 40.1 120.2

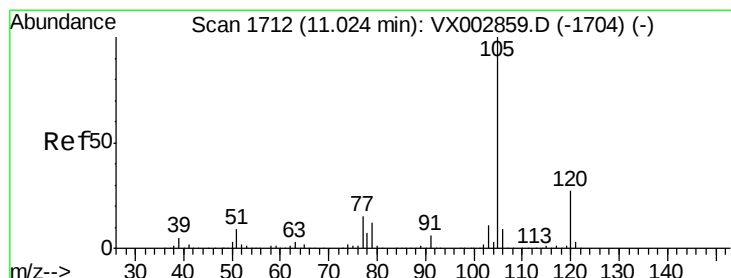
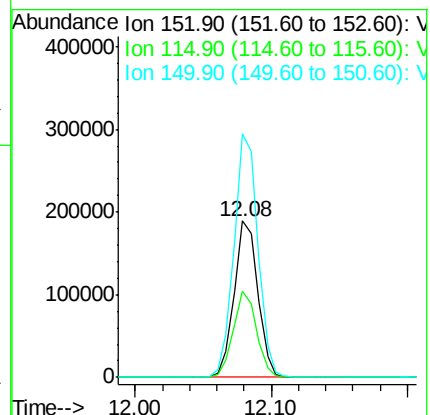
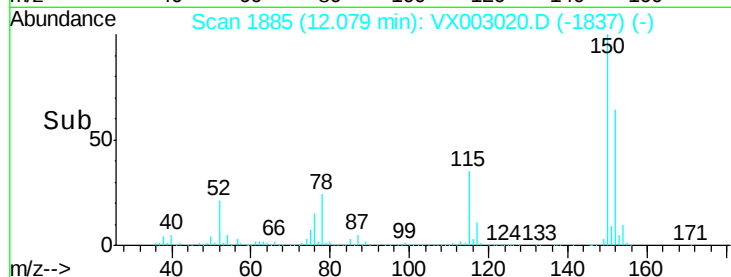
150 157.2 0.0 347.2



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: 2.25 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. -0.01 min

Lab File: VX003020.D

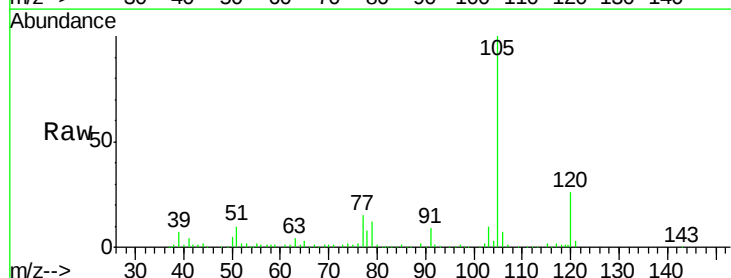
Acq: 29 Jun 2018 08:01

Tgt Ion:105 Resp: 34746

Ion Ratio Lower Upper

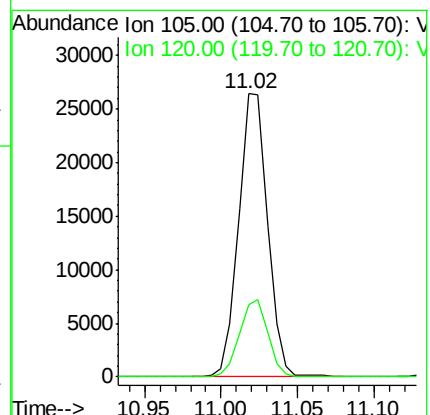
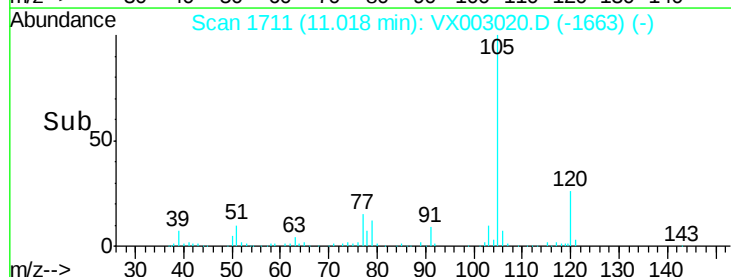
105 100

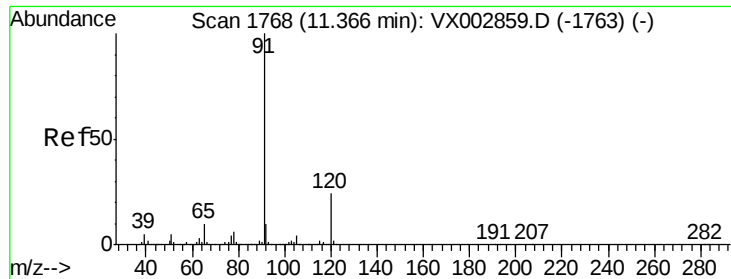
120 26.8 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 0.98 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX003020.D

Acq: 29 Jun 2018 08:01

Instrument :

MSVOA_X

ClientSampled :

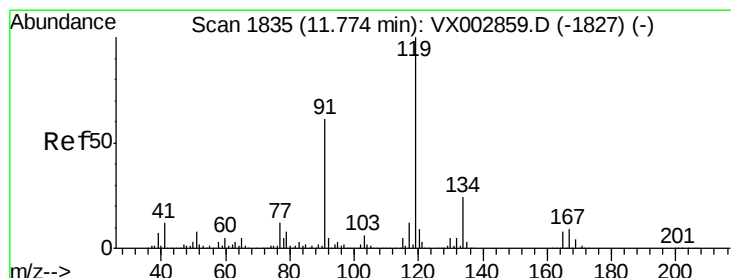
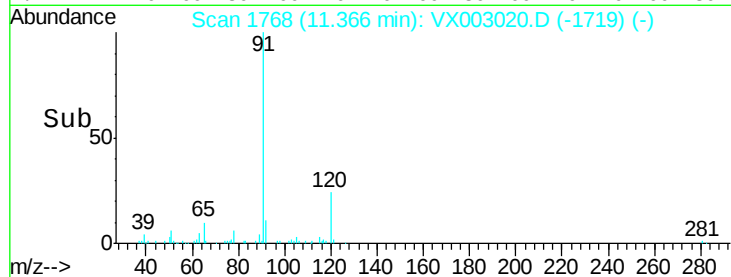
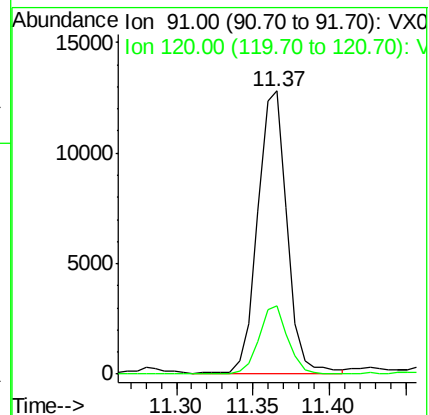
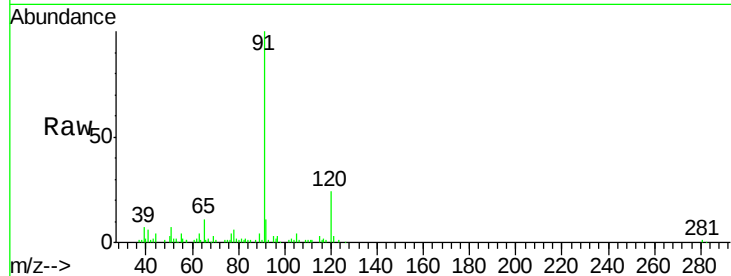
MW-23

Tot Ion: 91 Resp: 17243

Ion Ratio Lower Upper

91 100

120 23.4 11.8 35.4



#83

tert-Butylbenzene

Concen: 0.93 ug/l

RT: 11.77 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX003020.D

Acq: 29 Jun 2018 08:01

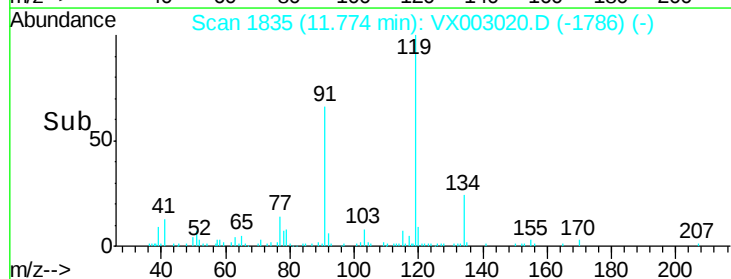
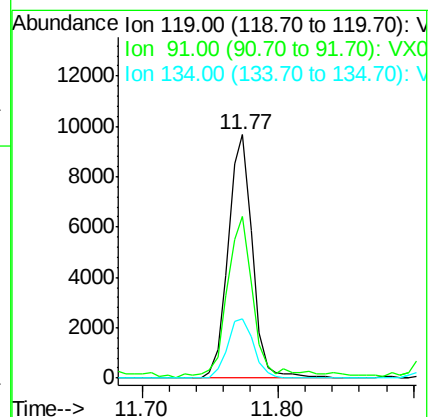
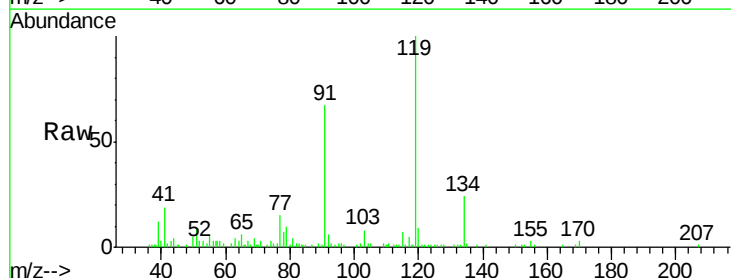
Tgt Ion: 119 Resp: 11902

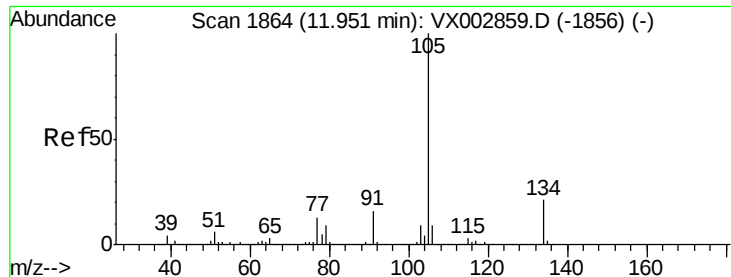
Ion Ratio Lower Upper

119 100

91 73.6 30.3 90.9

134 26.4 11.7 35.1

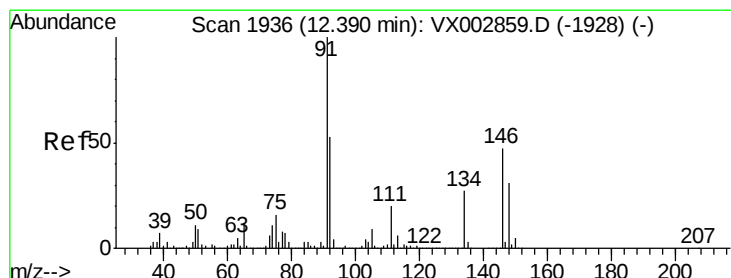
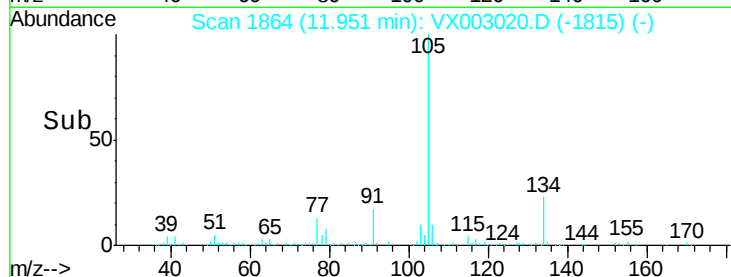
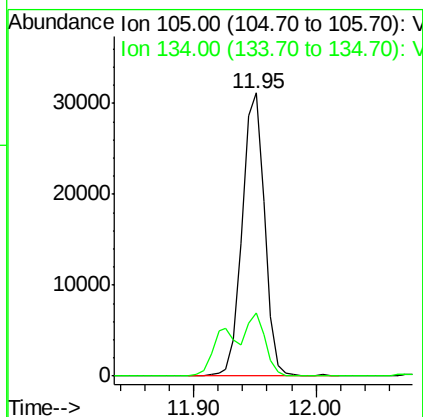
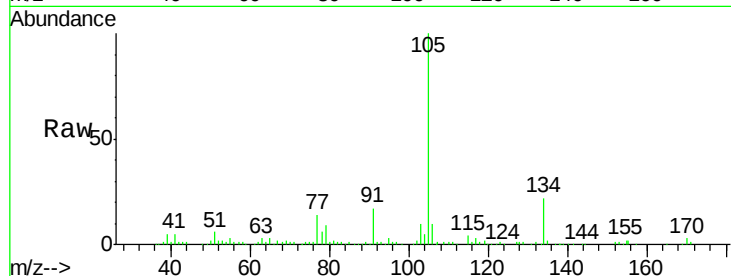




#85
 sec-Butylbenzene
 Concen: 2.54 ug/l
 RT: 11.95 min Scan# 1864
 Delta R.T. -0.00 min
 Lab File: VX003020.D
 Acq: 29 Jun 2018 08:01

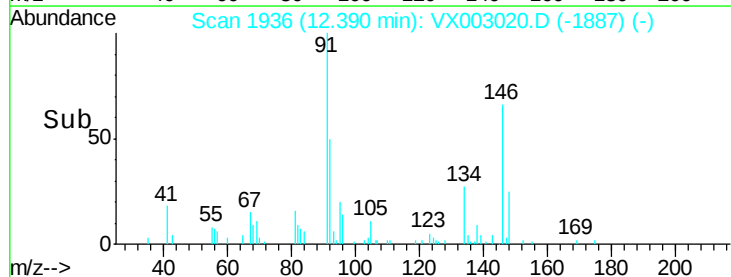
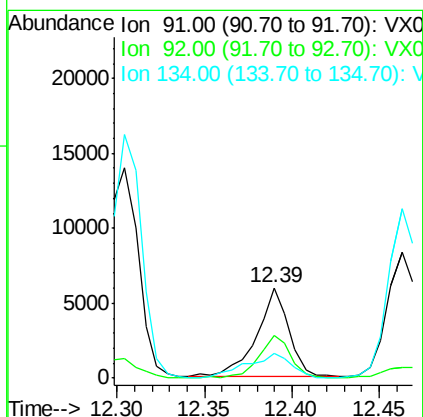
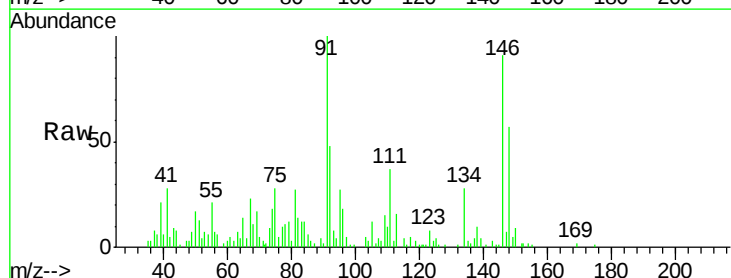
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-23

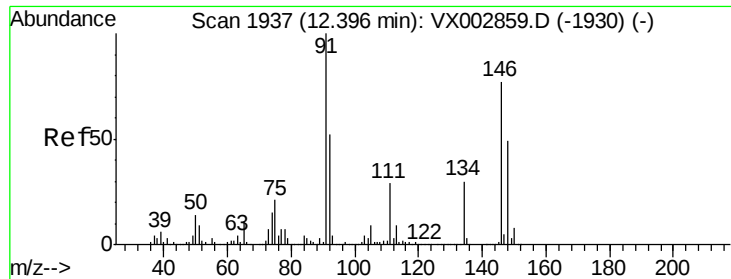
Tot Ion:105 Resp: 39362
 Ion Ratio Lower Upper
 105 100
 134 18.2 10.4 31.1



#89
 n-Butylbenzene
 Concen: 0.63 ug/l
 RT: 12.39 min Scan# 1936
 Delta R.T. -0.00 min
 Lab File: VX003020.D
 Acq: 29 Jun 2018 08:01

Tgt Ion: 91 Resp: 7594
 Ion Ratio Lower Upper
 91 100
 92 49.1 26.0 78.0
 134 39.7 13.5 40.5





#91

1,2-Dichlorobenzene

Concen: 0.99 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VX003020.D

Acq: 29 Jun 2018 08:01

Instrument :

MSVOA_X

ClientSampleId :

MW-23

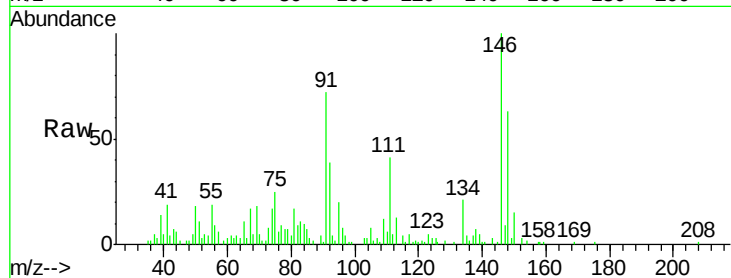
Tot Ion:146 Resp: 7983

Ion Ratio Lower Upper

146 100

111 42.1 19.4 58.1

148 60.9 31.7 95.1



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

