

Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\VX062818\
 Data File : VX003019.D
 Acq On : 29 Jun 2018 07:34
 Operator : JC/MD
 Sample : J3720-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-2

Quant Time: Jul 10 19:09:36 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	291243	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	411195	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	380969	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	227274	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	192940	47.93	ug/l	0.00
Spiked Amount			Recovery	=	95.86%	
35) Dibromofluoromethane	5.51	113	157156	48.26	ug/l	0.00
Spiked Amount			Recovery	=	96.52%	
50) Toluene-d8	8.72	98	576923	48.52	ug/l	0.00
Spiked Amount			Recovery	=	97.04%	
62) 4-Bromofluorobenzene	11.14	95	213278	46.51	ug/l	0.00
Spiked Amount			Recovery	=	93.02%	

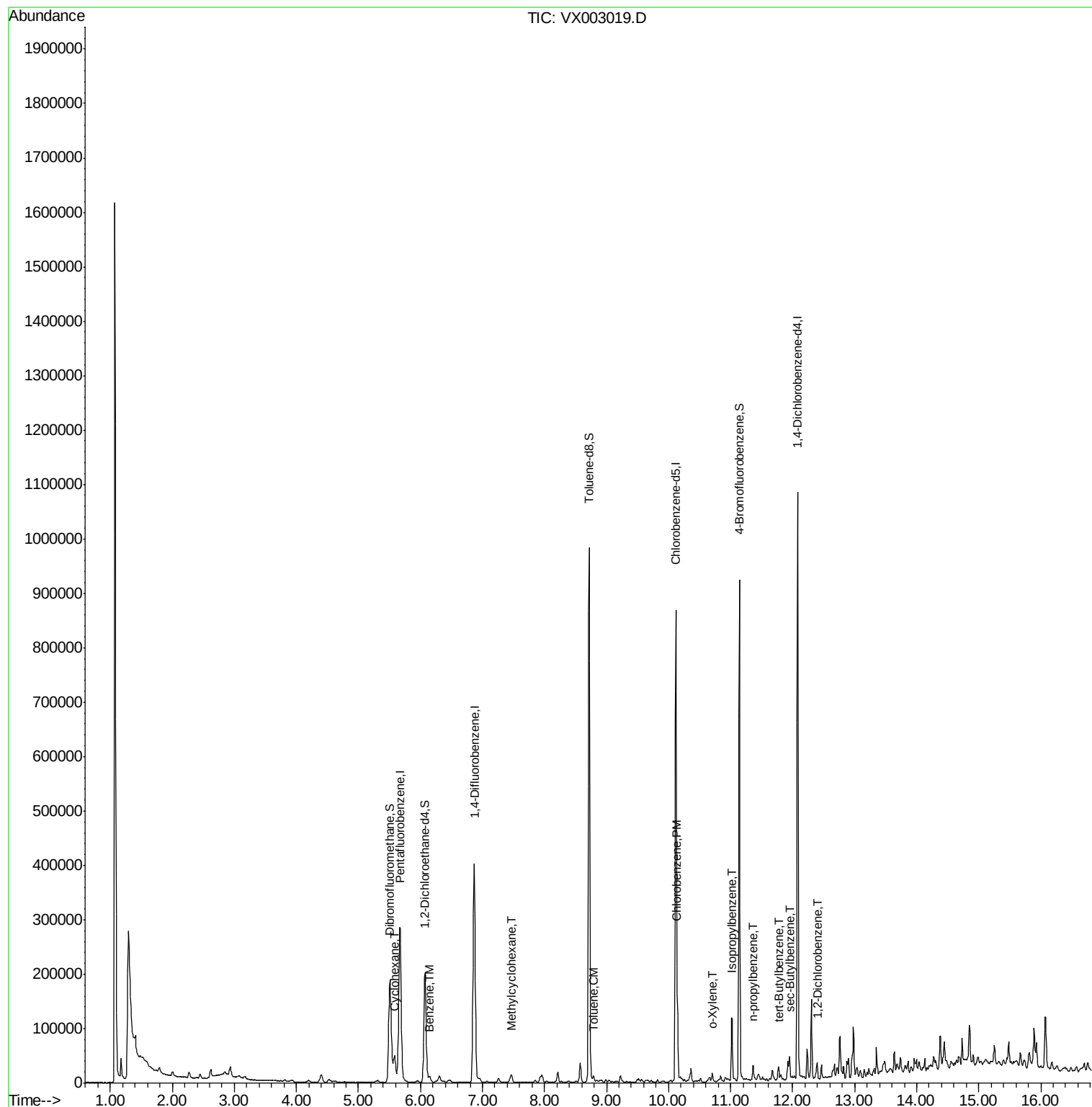
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Cyclohexane	5.58	56	30887	6.12	ug/l	93
39) Methylcyclohexane	7.47	83	5495	1.05	ug/l	95
40) Benzene	6.15	78	10934	0.83	ug/l	96
52) Toluene	8.79	92	3149	0.38	ug/l	87
65) Chlorobenzene	10.14	112	57704	5.96	ug/l	98
69) o-Xylene	10.70	106	2850	0.48	ug/l	93
73) Isopropylbenzene	11.02	105	59395	3.88	ug/l	99
78) n-propylbenzene	11.36	91	16219	0.93	ug/l	99
83) tert-Butylbenzene	11.77	119	8778	0.69	ug/l	93
85) sec-Butylbenzene	11.95	105	19765	1.28	ug/l	93
91) 1,2-Dichlorobenzene	12.40	146	6868	0.86	ug/l	94

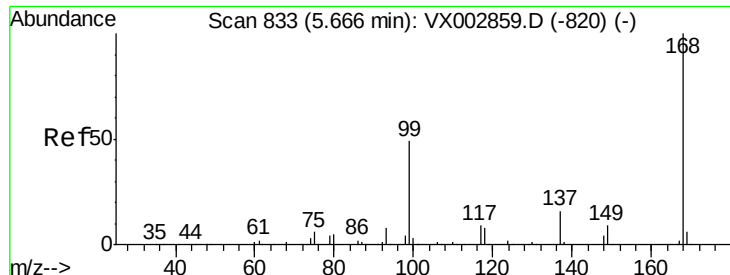
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX003019.D

Acq: 29 Jun 2018 07:34

Instrument :

MSVOA_X

ClientSampled :

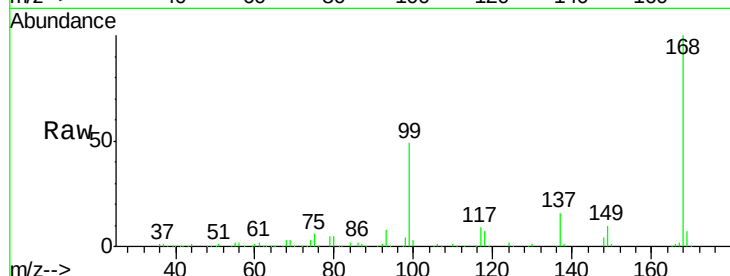
MW-2

Tot Ion:168 Resp: 291243

Ion Ratio Lower Upper

168 100

99 48.6 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

120000

100000

80000

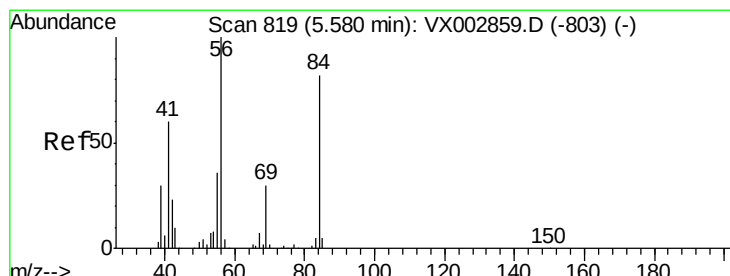
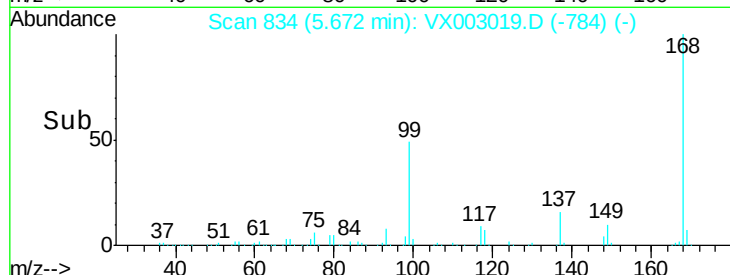
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#31

Cyclohexane

Concen: 6.12 ug/l

RT: 5.58 min Scan# 819

Delta R.T. -0.00 min

Lab File: VX003019.D

Acq: 29 Jun 2018 07:34

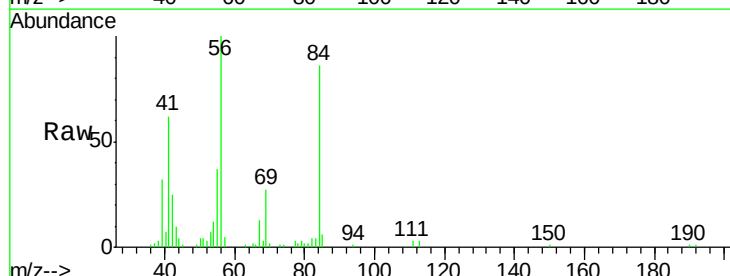
Tgt Ion: 56 Resp: 30887

Ion Ratio Lower Upper

56 100

69 26.2 23.7 35.5

84 86.3 64.1 96.1



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

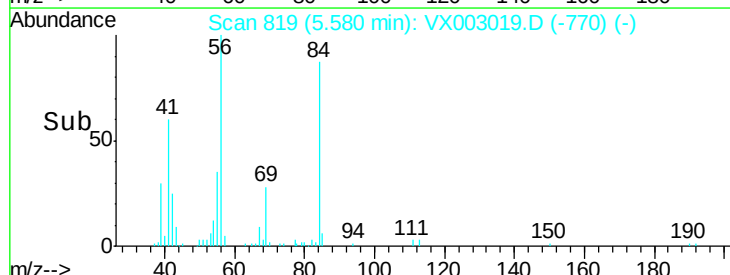
5.58

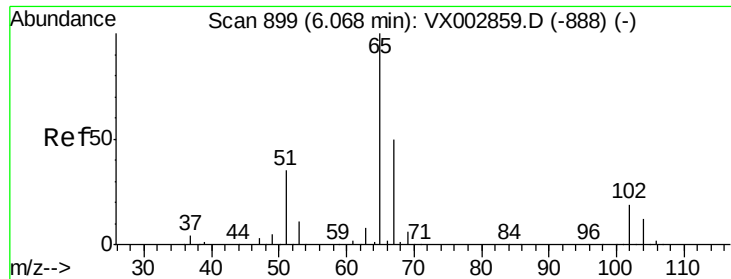
10000

5000

0

Time--> 5.45 5.50 5.55 5.60 5.65

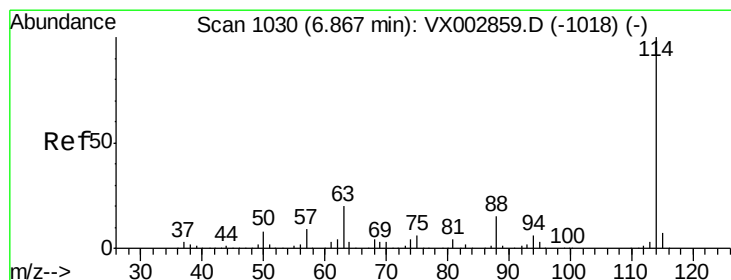
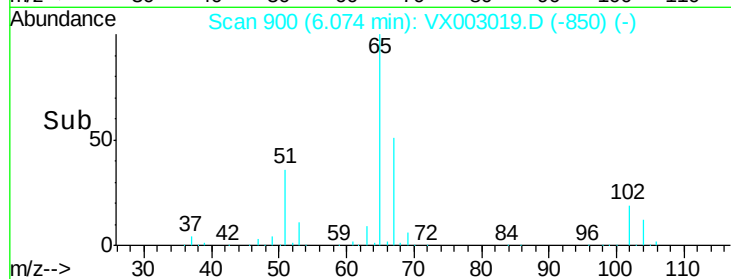
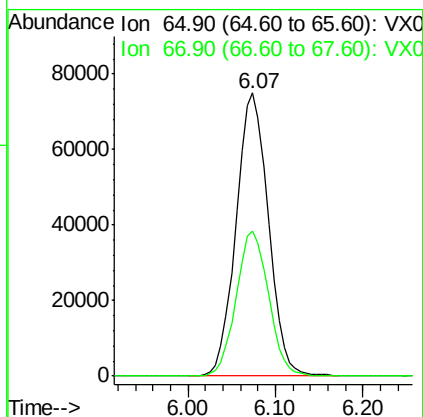
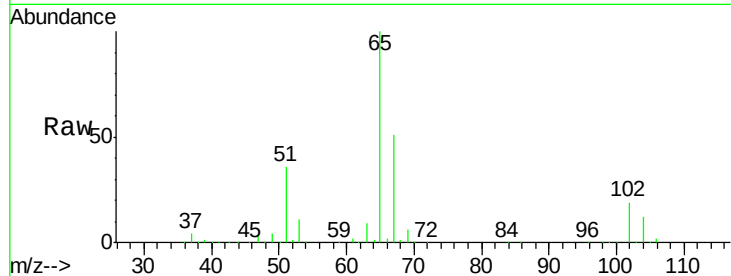




#33
 1,2-Dichloroethane-d4
 Concen: 47.93 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VX003019.D
 Acq: 29 Jun 2018 07:34

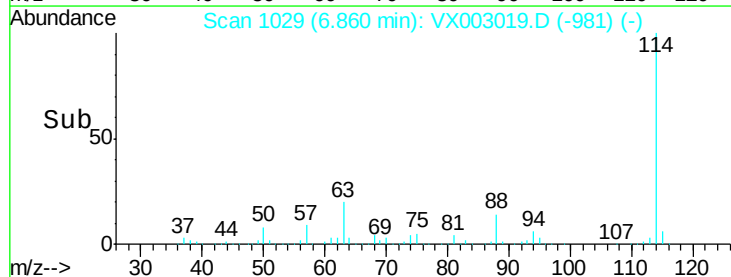
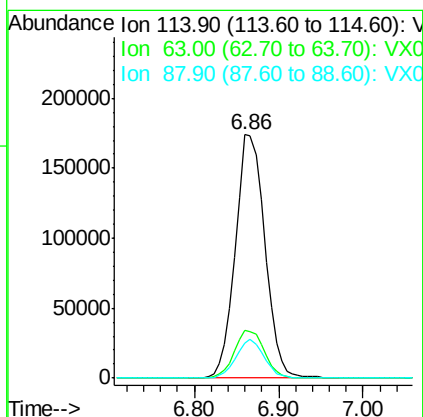
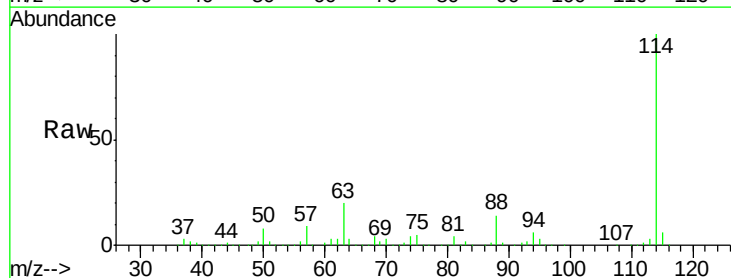
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-2

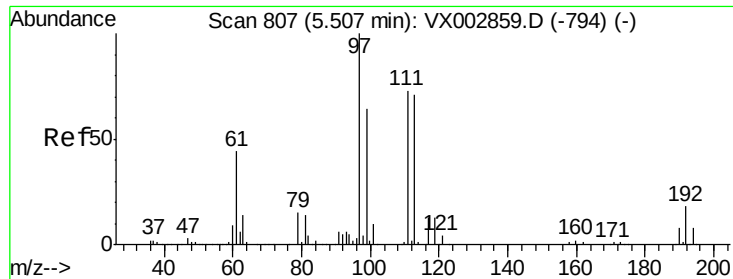
Tot Ion: 65 Resp: 192940
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. -0.01 min
 Lab File: VX003019.D
 Acq: 29 Jun 2018 07:34

Tgt Ion: 114 Resp: 411195
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 41.4
 88 14.3 0.0 30.0





#35

Dibromofluoromethane

Concen: 48.26 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.00 min

Lab File: VX003019.D

Acq: 29 Jun 2018 07:34

Instrument :

MSVOA_X

ClientSampleId :

MW-2

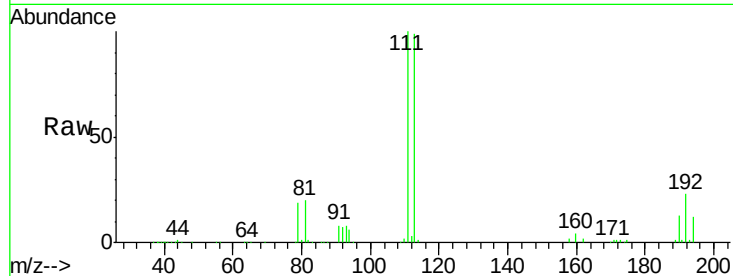
Tot Ion:113 Resp: 157156

Ion Ratio Lower Upper

113 100

111 101.4 81.4 122.0

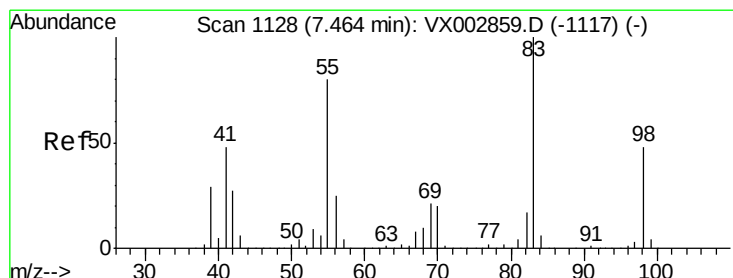
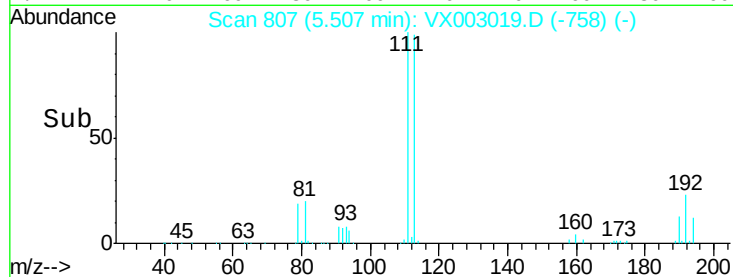
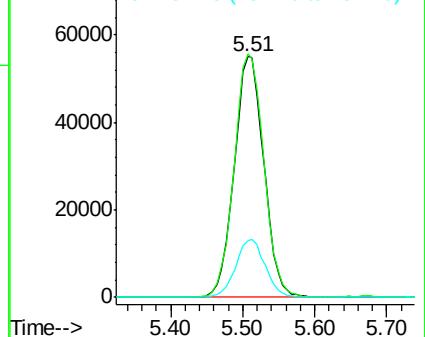
192 24.0 19.1 28.7



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



#39

Methylcyclohexane

Concen: 1.05 ug/l

RT: 7.47 min Scan# 1129

Delta R.T. 0.01 min

Lab File: VX003019.D

Acq: 29 Jun 2018 07:34

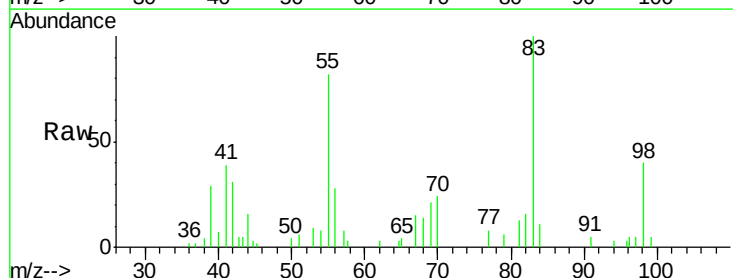
Tgt Ion: 83 Resp: 5495

Ion Ratio Lower Upper

83 100

55 79.8 65.4 98.0

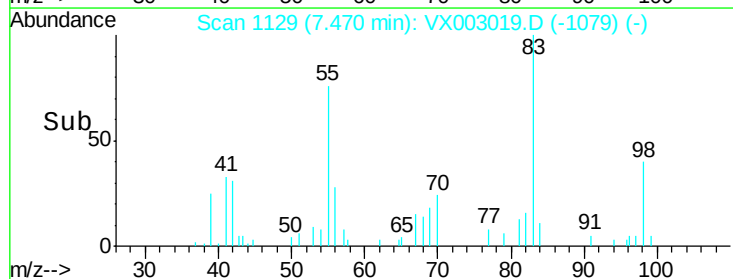
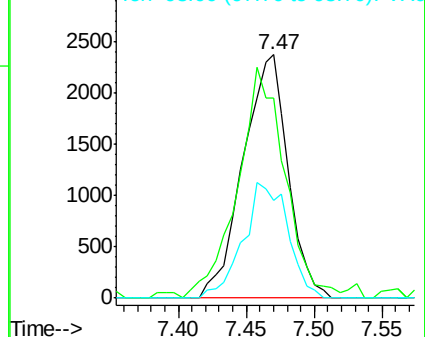
98 40.2 37.4 56.0

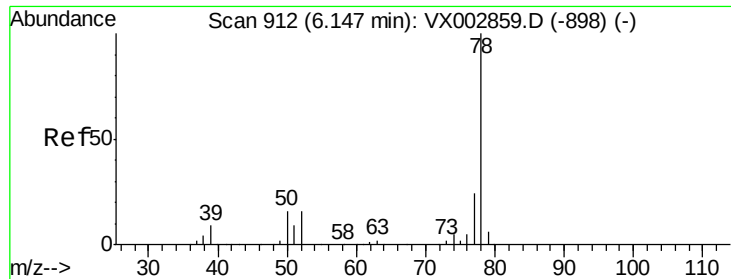


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#40

Benzene

Concen: 0.83 ug/l

RT: 6.15 min Scan# 913

Delta R.T. 0.01 min

Lab File: VX003019.D

Acq: 29 Jun 2018 07:34

Instrument :

MSVOA_X

ClientSampleId :

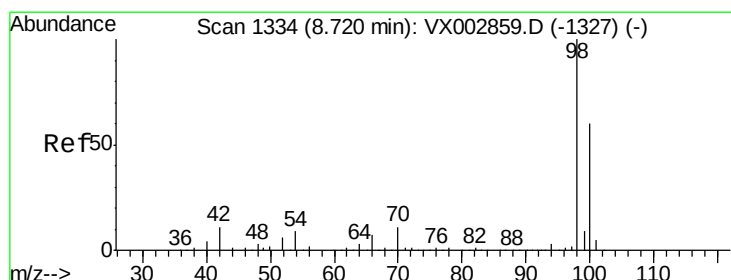
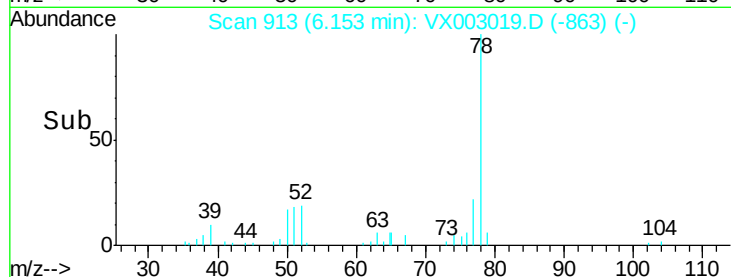
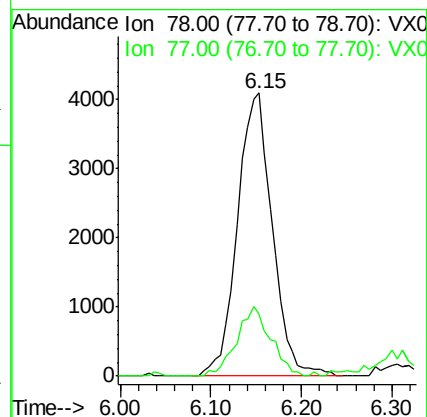
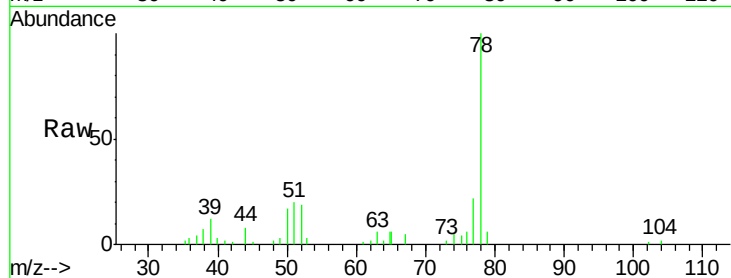
MW-2

Tot Ion: 78 Resp: 10934

Ion Ratio Lower Upper

78 100

77 21.8 19.1 28.7



#50

Toluene-d8

Concen: 48.52 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX003019.D

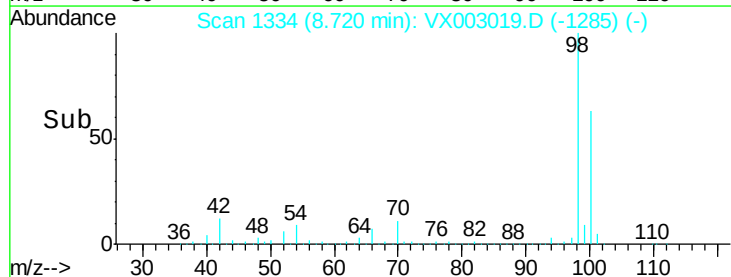
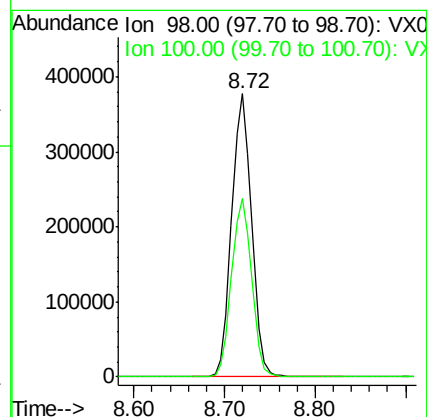
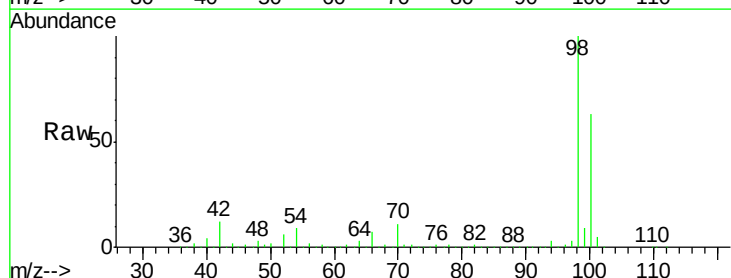
Acq: 29 Jun 2018 07:34

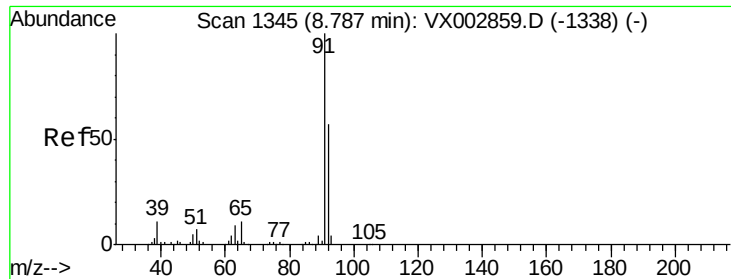
Tgt Ion: 98 Resp: 576923

Ion Ratio Lower Upper

98 100

100 63.8 50.9 76.3





#52

Toluene

Concen: 0.38 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX003019.D

Acq: 29 Jun 2018 07:34

Instrument :

MSVOA_X

ClientSampleId :

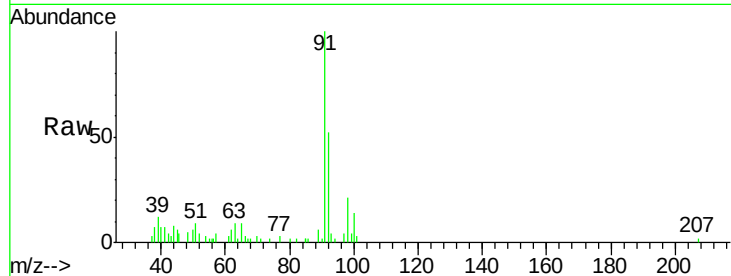
MW-2

Tot Ion: 92 Resp: 3149

Ion Ratio Lower Upper

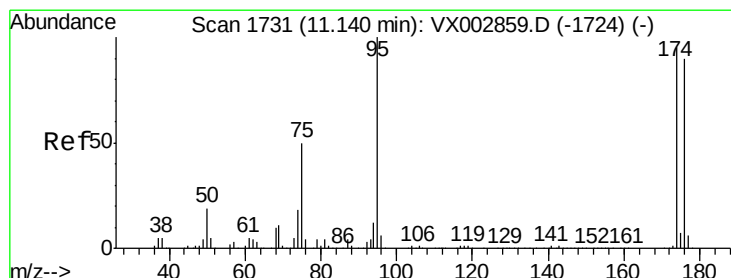
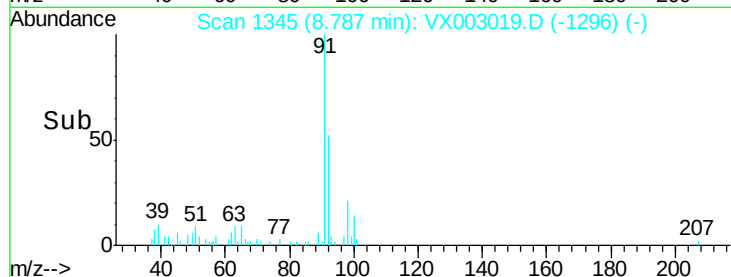
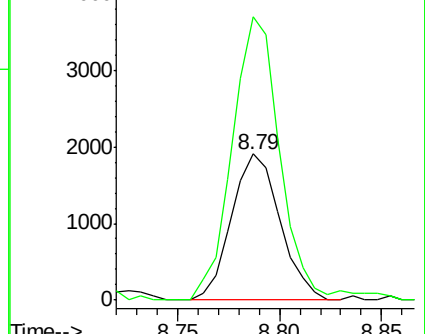
92 100

91 193.3 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#62

4-Bromofluorobenzene

Concen: 46.51 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003019.D

Acq: 29 Jun 2018 07:34

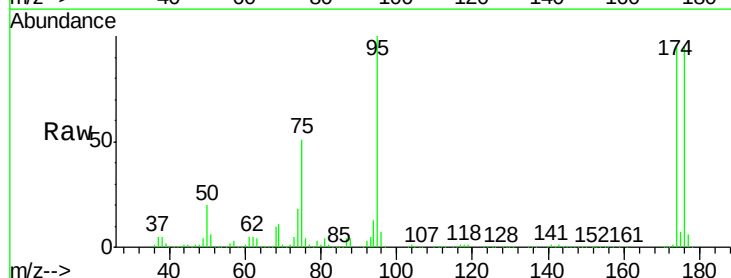
Tgt Ion: 95 Resp: 213278

Ion Ratio Lower Upper

95 100

174 95.8 0.0 187.4

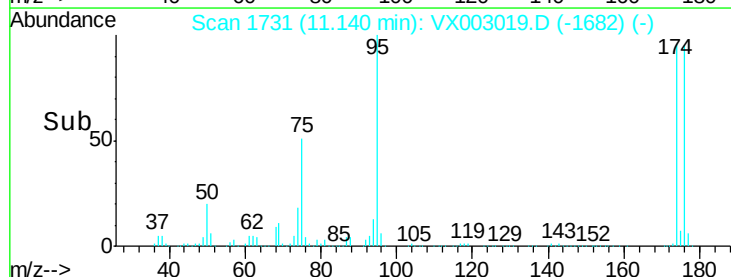
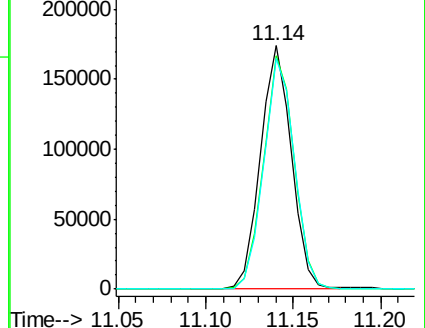
176 94.5 0.0 181.0

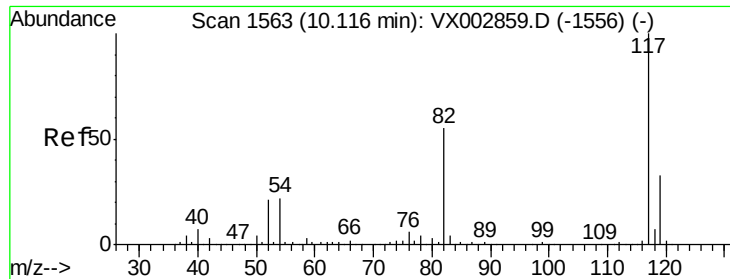


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

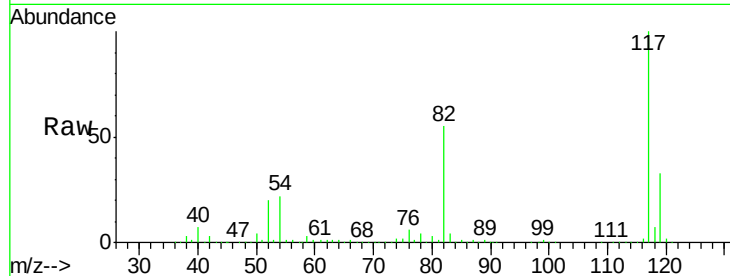




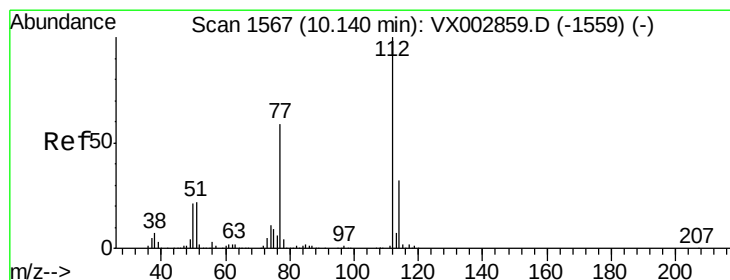
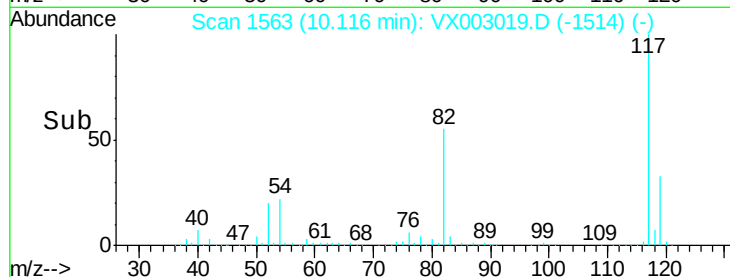
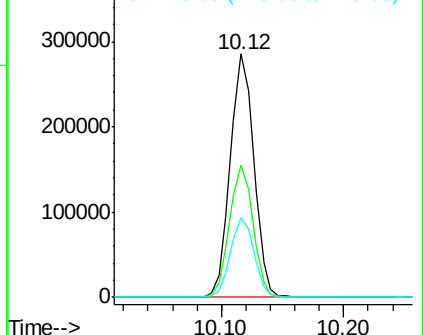
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX003019.D
Acq: 29 Jun 2018 07:34

Instrument :
MSVOA_X
ClientSampleId :
MW-2

Tot Ion:117 Resp: 380969
Ion Ratio Lower Upper
117 100
82 54.5 45.0 67.4
119 32.5 25.8 38.6

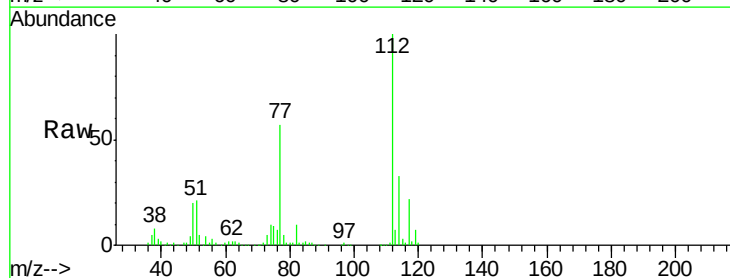


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

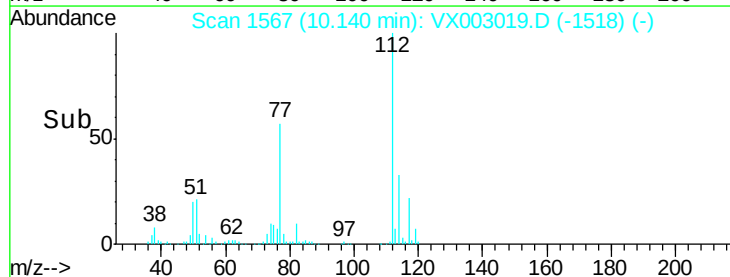
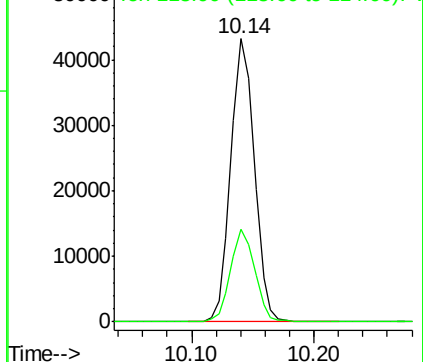


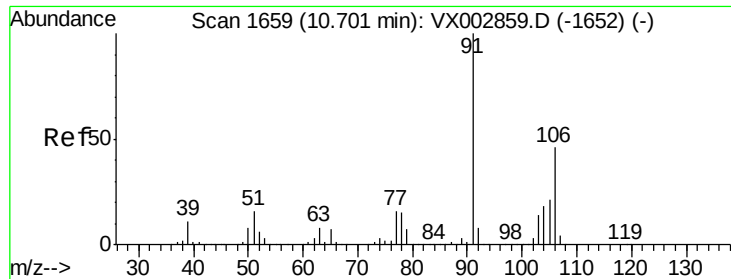
#65
Chlorobenzene
Concen: 5.96 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VX003019.D
Acq: 29 Jun 2018 07:34

Tgt Ion:112 Resp: 57704
Ion Ratio Lower Upper
112 100
114 32.6 25.3 37.9



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

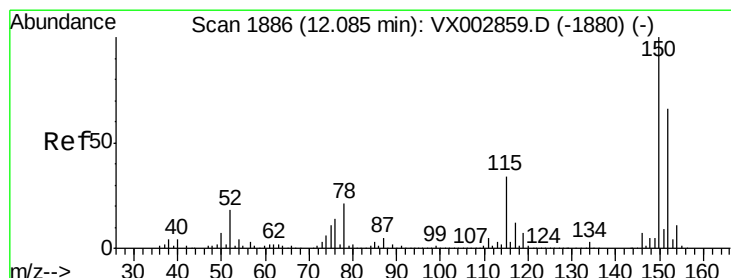
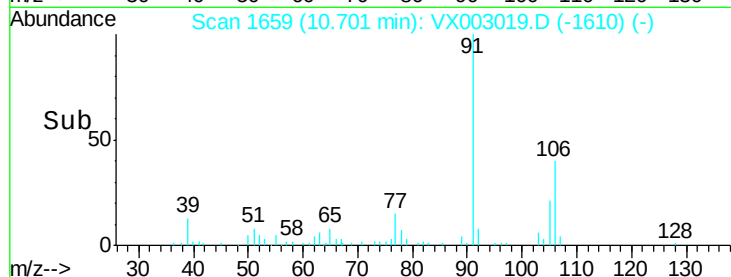
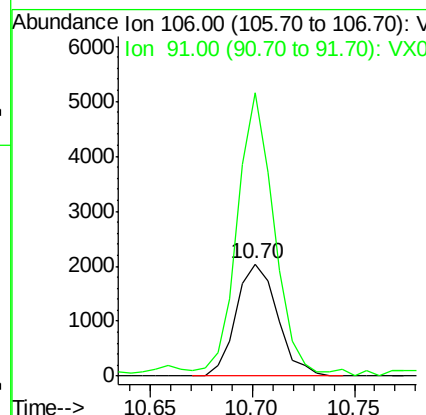
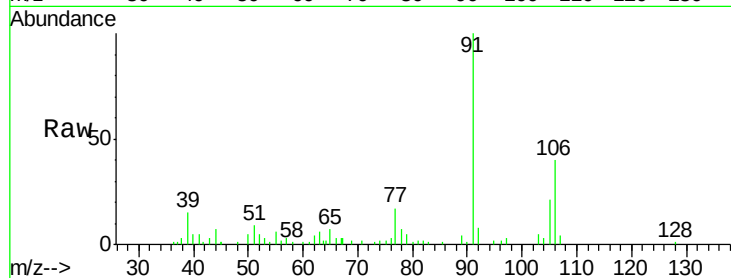




#69
o-Xylene
Concen: 0.48 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX003019.D
Acq: 29 Jun 2018 07:34

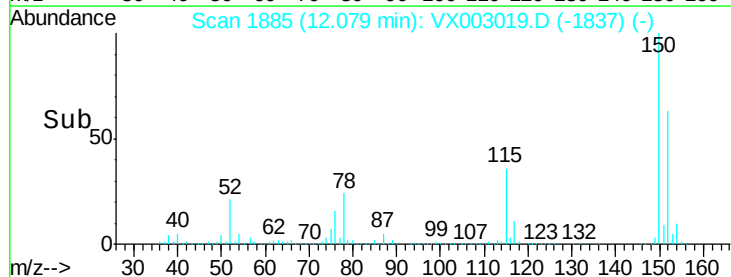
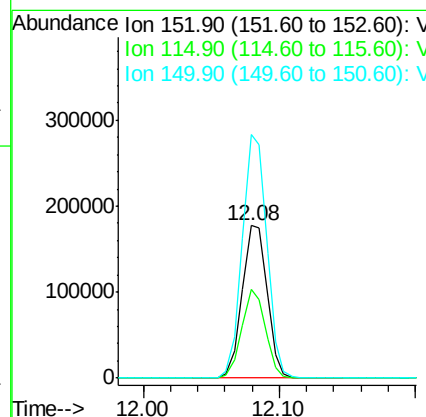
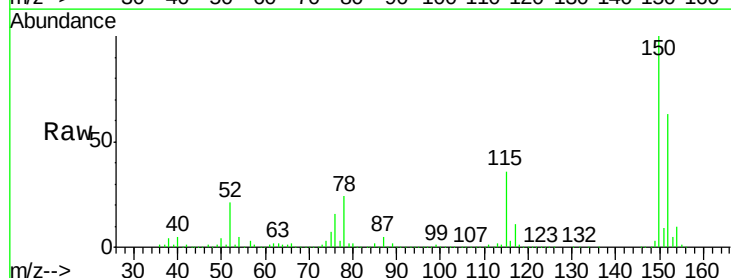
Instrument :
MSVOA_X
ClientSampled :
MW-2

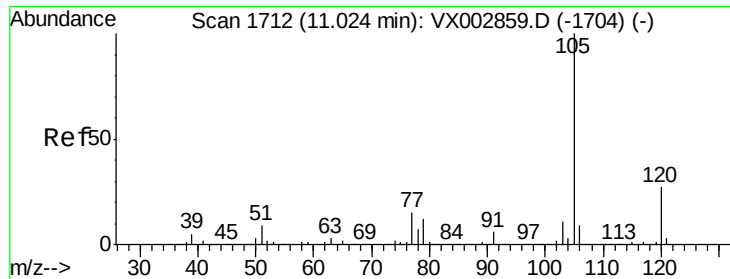
Tot Ion:106 Resp: 2850
Ion Ratio Lower Upper
106 100
91 228.1 108.2 324.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. -0.01 min
Lab File: VX003019.D
Acq: 29 Jun 2018 07:34

Tgt Ion:152 Resp: 227274
Ion Ratio Lower Upper
152 100
115 54.8 40.1 120.2
150 156.4 0.0 347.2





#73

Isopropylbenzene

Concen: 3.88 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX003019.D

Acq: 29 Jun 2018 07:34

Instrument :

MSVOA_X

ClientSampled :

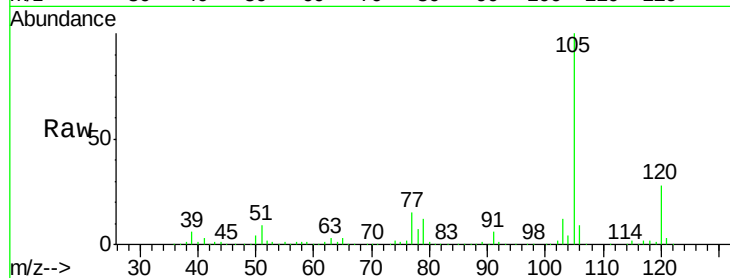
MW-2

Tot Ion:105 Resp: 59395

Ion Ratio Lower Upper

105 100

120 27.3 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.02

50000

40000

30000

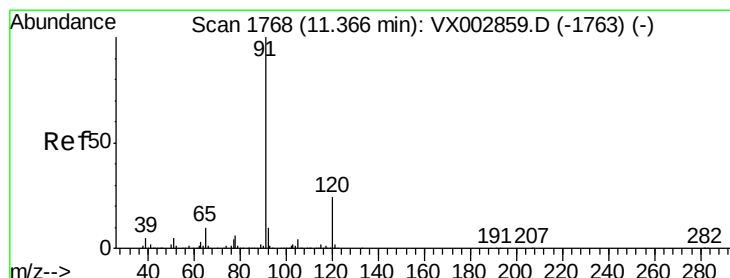
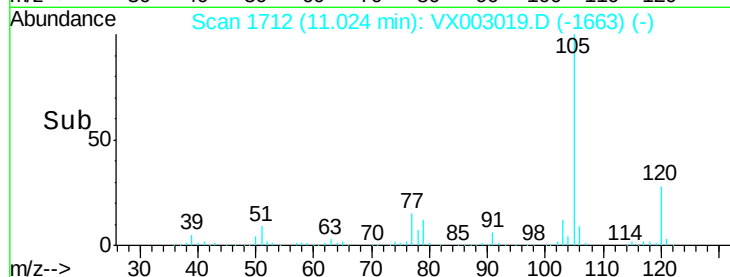
20000

10000

0

Time-->

11.00 11.10



#78

n-propylbenzene

Concen: 0.93 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. -0.01 min

Lab File: VX003019.D

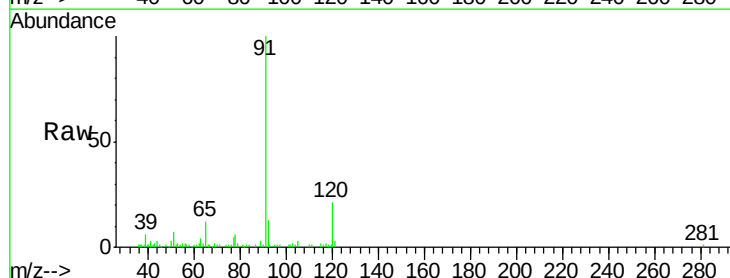
Acq: 29 Jun 2018 07:34

Tgt Ion: 91 Resp: 16219

Ion Ratio Lower Upper

91 100

120 24.3 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

15000 Ion 120.00 (119.70 to 120.70): V

11.36

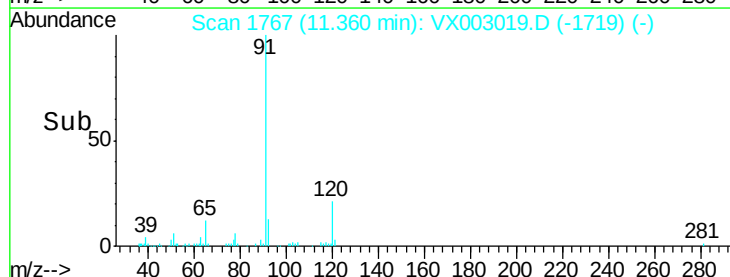
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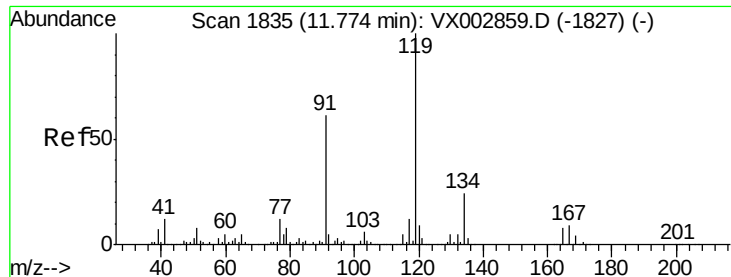
5000

0

Time-->

11.30 11.35 11.40

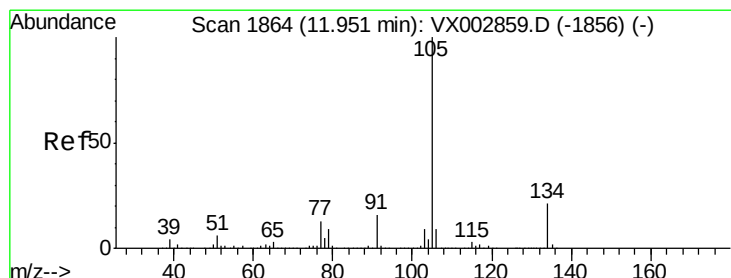
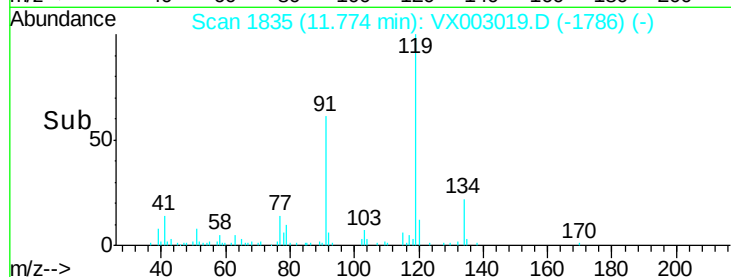
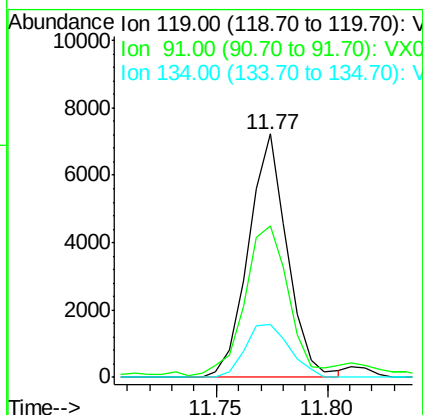
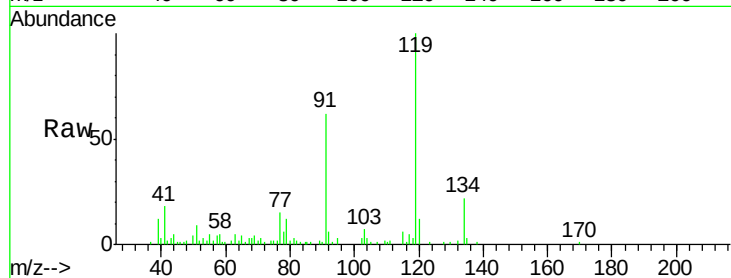




#83
tert-Butylbenzene
Concen: 0.69 ug/l
RT: 11.77 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX003019.D
Acq: 29 Jun 2018 07:34

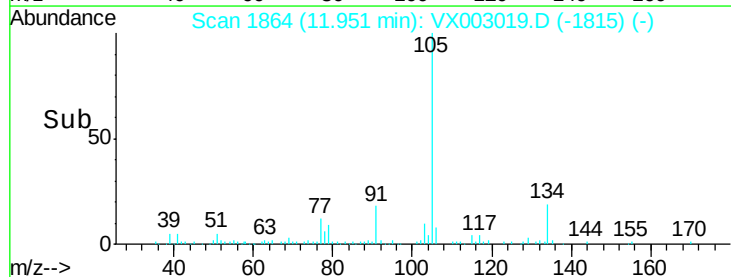
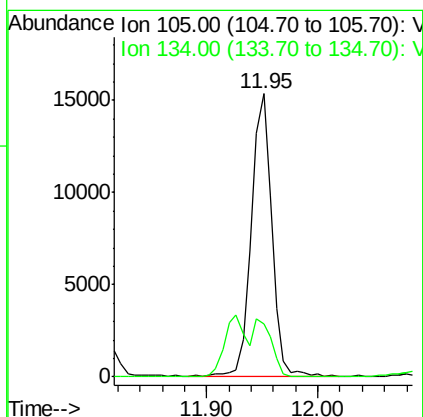
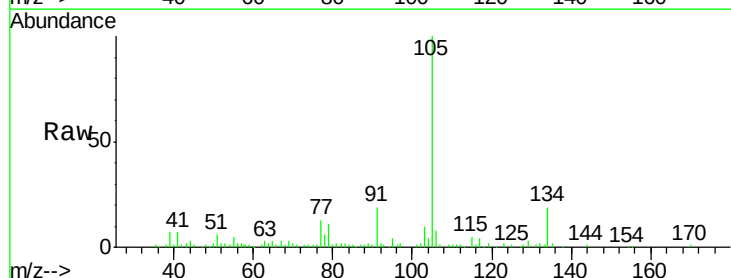
Instrument :
MSVOA_X
ClientSampleId :
MW-2

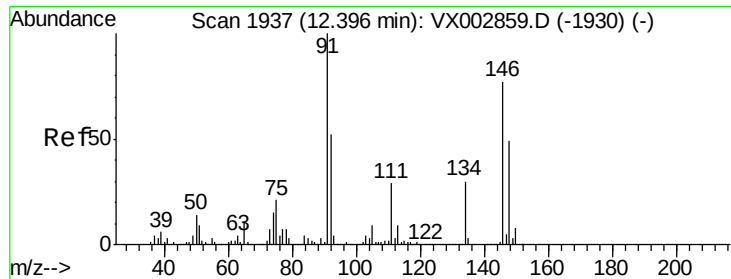
Tot Ion:119 Resp: 8778
Ion Ratio Lower Upper
119 100
91 67.0 30.3 90.9
134 24.9 11.7 35.1



#85
sec-Butylbenzene
Concen: 1.28 ug/l
RT: 11.95 min Scan# 1864
Delta R.T. -0.00 min
Lab File: VX003019.D
Acq: 29 Jun 2018 07:34

Tgt Ion:105 Resp: 19765
Ion Ratio Lower Upper
105 100
134 17.3 10.4 31.1

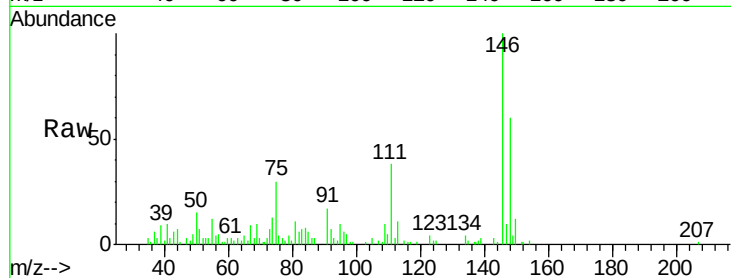




#91
 1,2-Dichlorobenzene
 Concen: 0.86 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VX003019.D
 Acq: 29 Jun 2018 07:34

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-2

Tot Ion:146 Resp: 6868
 Ion Ratio Lower Upper
 146 100
 111 46.2 19.4 58.1
 148 64.9 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

