

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101718\
 Data File : VX005391.D
 Acq On : 17 Oct 2018 15:22
 Operator : JC/MD
 Sample : J5571-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-1

Quant Time: Oct 30 03:31:28 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X101218W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 12 11:28:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	279302	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	402960	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	361809	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	186631	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	164017	52.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.82%	
35) Dibromofluoromethane	5.49	113	136651	51.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.40%	
50) Toluene-d8	8.72	98	479507	52.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.66%	
62) 4-Bromofluorobenzene	11.14	95	166371	48.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.68%	

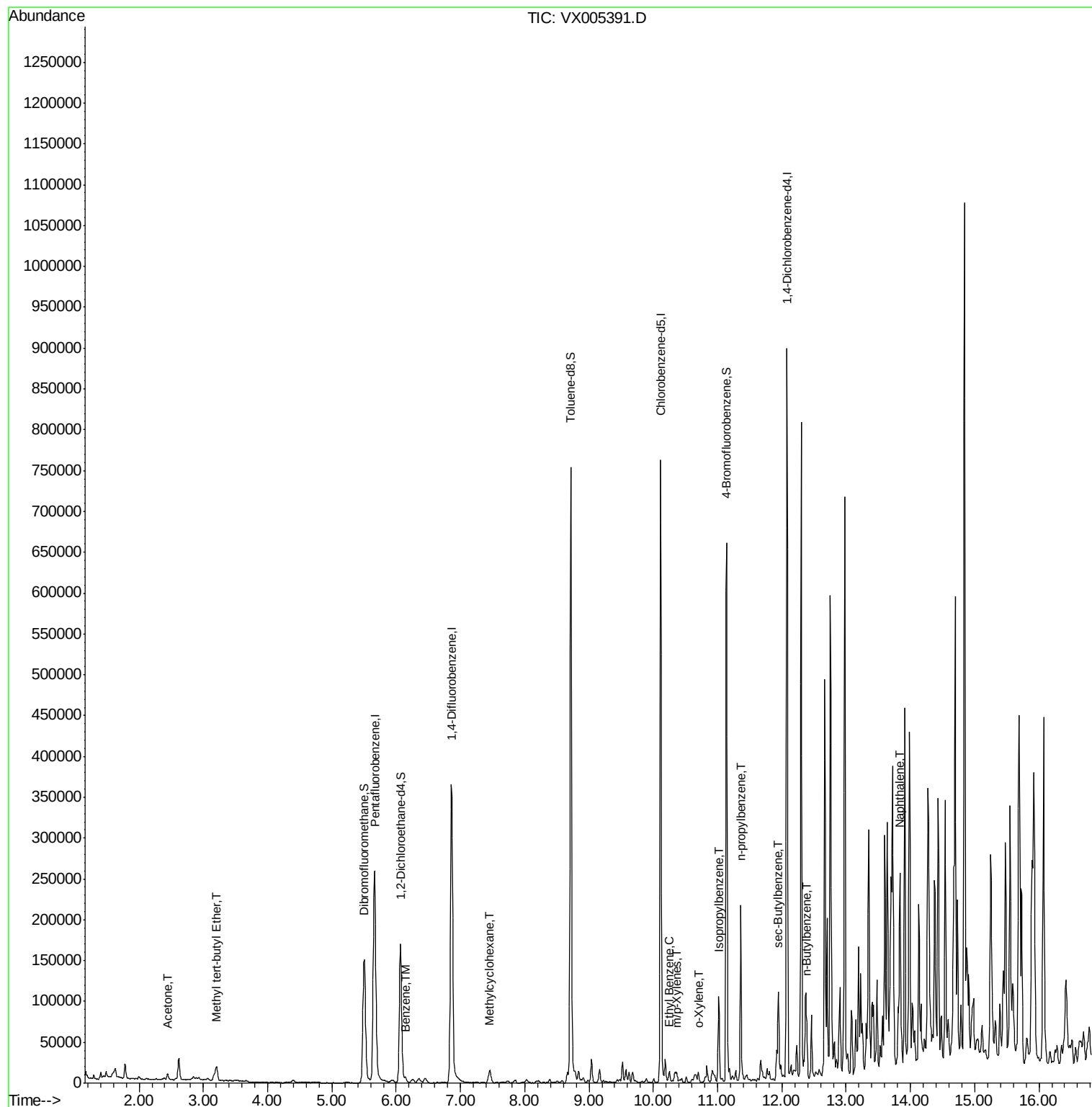
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.45	43	7908	4.412	ug/l	94
19) Methyl tert-butyl Ether	3.20	73	18290	2.123	ug/l #	88
39) Methylcyclohexane	7.46	83	5820	1.378	ug/l	95
40) Benzene	6.14	78	6206	0.530	ug/l	99
67) Ethyl Benzene	10.25	91	6198	0.495	ug/l	91
68) m/p-Xylenes	10.36	106	1698	0.350	ug/l	99
69) o-Xylene	10.69	106	2539	0.542	ug/l	90
73) Isopropylbenzene	11.02	105	48904	4.408	ug/l	100
78) n-propylbenzene	11.36	91	124210	9.729	ug/l	98
85) sec-Butylbenzene	11.94	105	54113	4.753	ug/l	84
89) n-Butylbenzene	12.39	91	31369	3.357	ug/l #	71
95) Naphthalene	13.83	128	143285	11.132	ug/l #	95

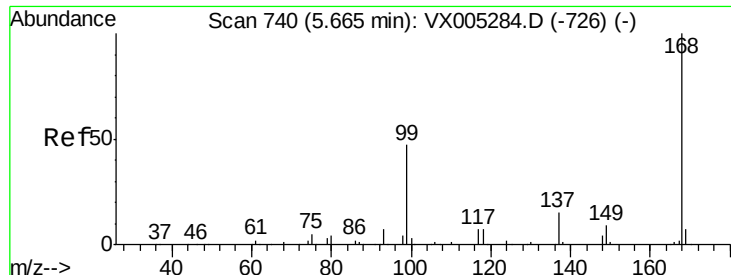
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101718\
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Quant Time: Oct 30 03:31:28 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X101218W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 12 11:28:43 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX005391.D

Acq: 17 Oct 2018 15:22

Instrument :

MSVOA_X

ClientSampleId :

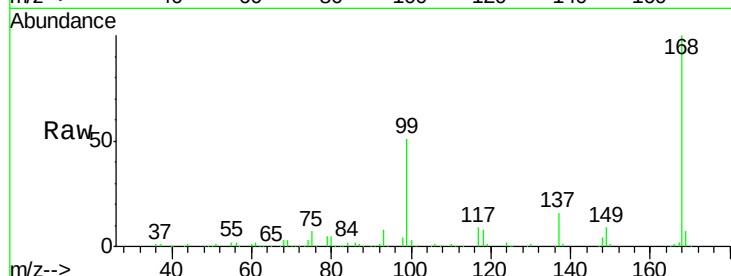
MW-1

Tgt Ion:168 Resp: 279302

Ion Ratio Lower Upper

168 100

99 50.8 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

100000

80000

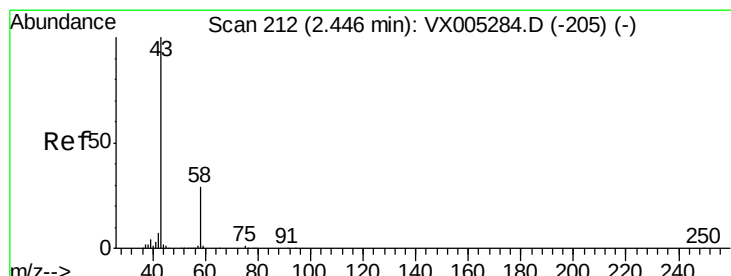
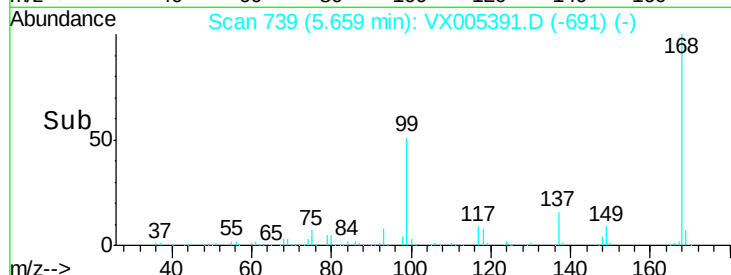
60000

40000

20000

0

Time-->



#16

Acetone

Concen: 4.412 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX005391.D

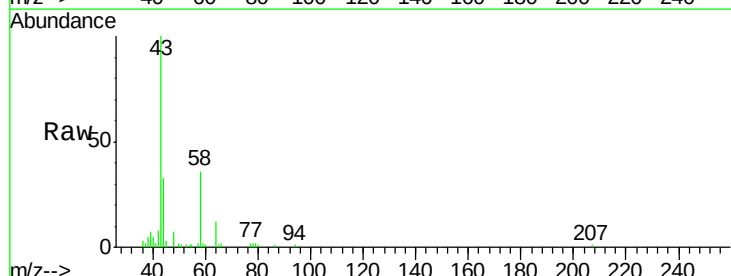
Acq: 17 Oct 2018 15:22

Tgt Ion: 43 Resp: 7908

Ion Ratio Lower Upper

43 100

58 36.3 26.2 39.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.45

5000

4000

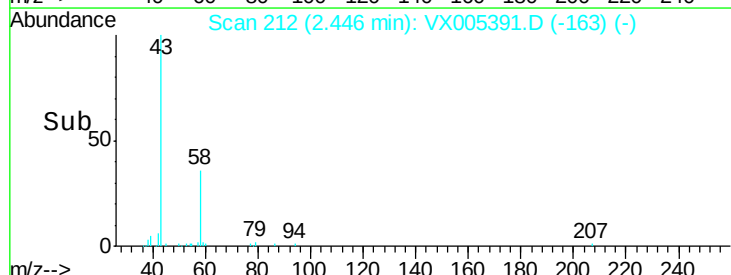
3000

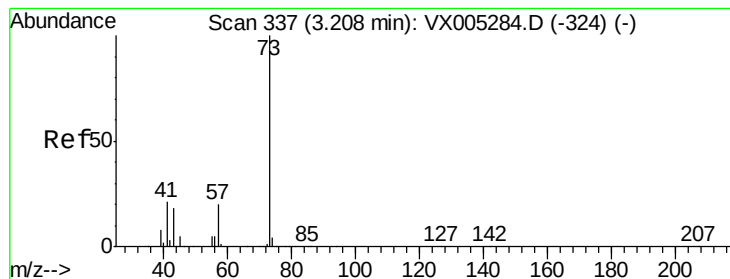
2000

1000

0

Time-->





#19

Methyl tert-butyl Ether

Concen: 2.123 ug/l

RT: 3.20 min Scan# 336

Delta R.T. -0.01 min

Lab File: VX005391.D

Acq: 17 Oct 2018 15:22

Instrument :

MSVOA_X

ClientSampleId :

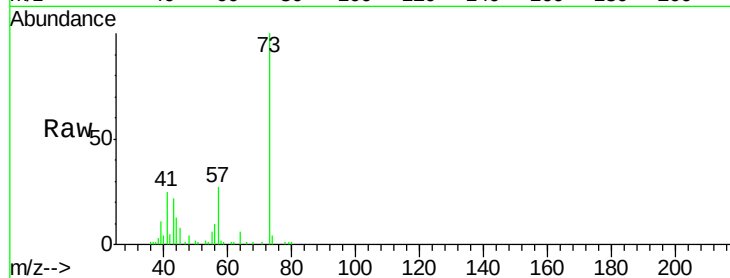
MW-1

Tgt Ion: 73 Resp: 18290

Ion Ratio Lower Upper

73 100

57 27.0 17.1 25.7#



Abundance Ion 73.00 (72.70 to 73.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.20

6000

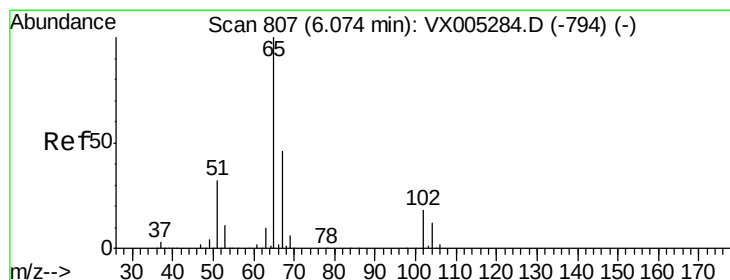
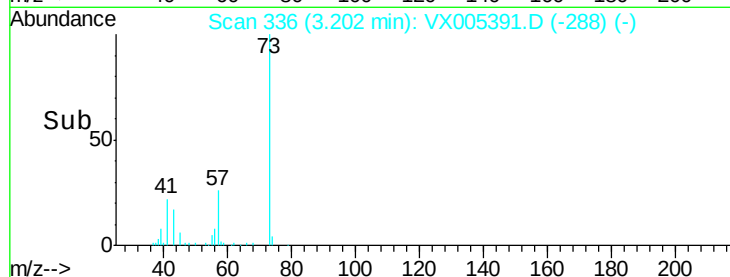
4000

2000

0

Time-->

3.10 3.20 3.30



#33

1,2-Dichloroethane-d4

Concen: 52.912 ug/l

RT: 6.07 min Scan# 807

Delta R.T. -0.00 min

Lab File: VX005391.D

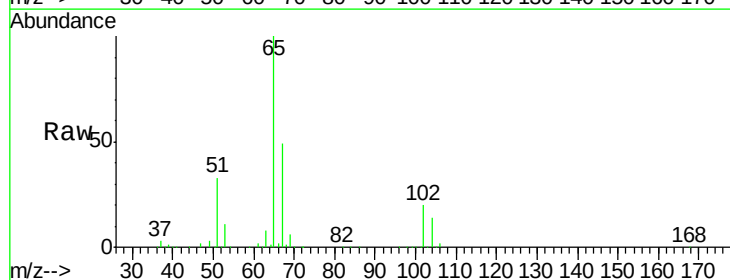
Acq: 17 Oct 2018 15:22

Tgt Ion: 65 Resp: 164017

Ion Ratio Lower Upper

65 100

67 52.2 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.07

60000

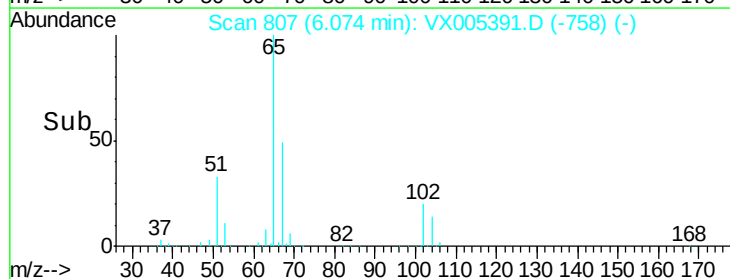
40000

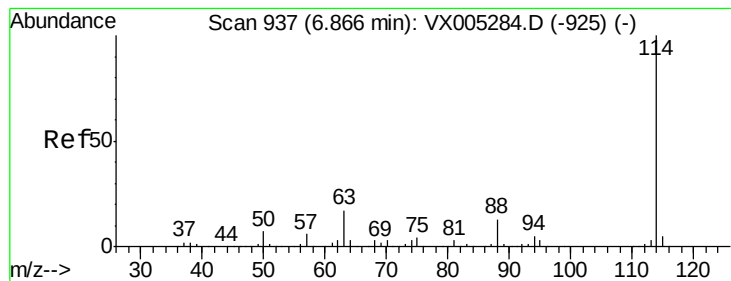
20000

0

Time-->

5.90 6.00 6.10 6.20





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.01 min

Lab File: VX005391.D

Acq: 17 Oct 2018 15:22

Instrument :

MSVOA_X

ClientSampleId :

MW-1

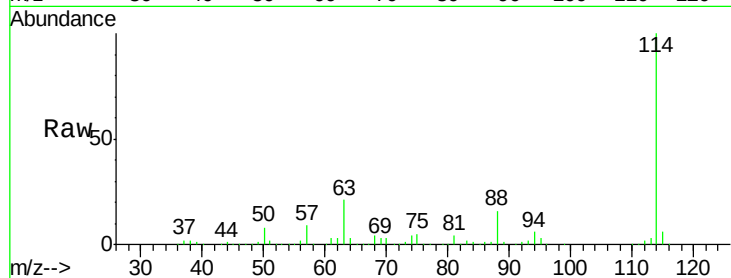
Tgt Ion:114 Resp: 402960

Ion Ratio Lower Upper

114 100

63 20.6 0.0 39.0

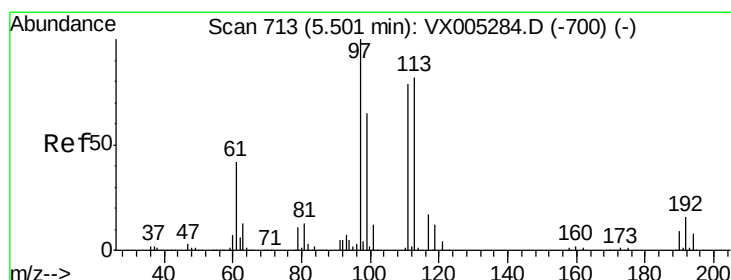
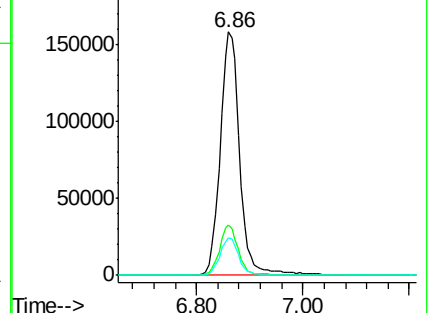
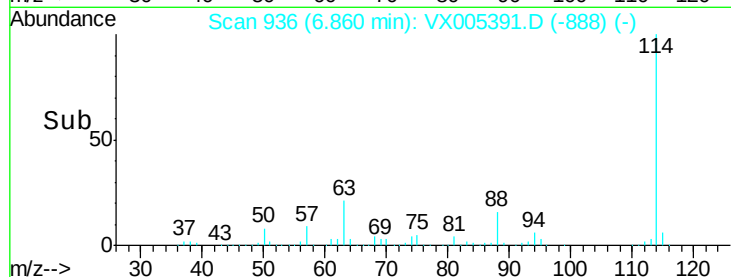
88 15.6 0.0 30.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 51.201 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.01 min

Lab File: VX005391.D

Acq: 17 Oct 2018 15:22

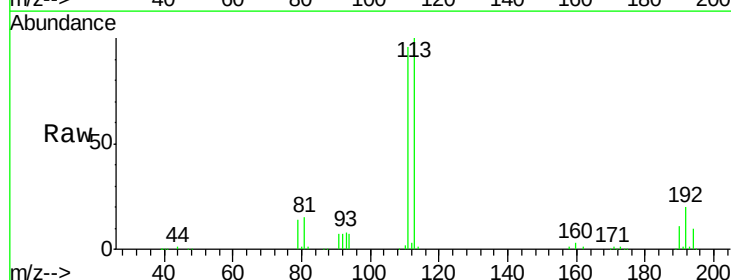
Tgt Ion:113 Resp: 136651

Ion Ratio Lower Upper

113 100

111 98.4 82.4 123.6

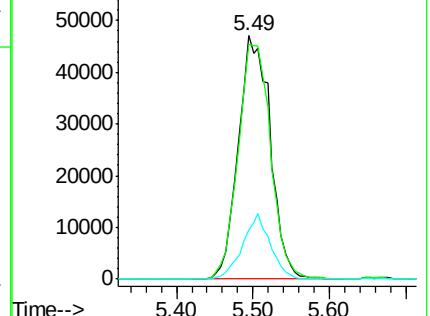
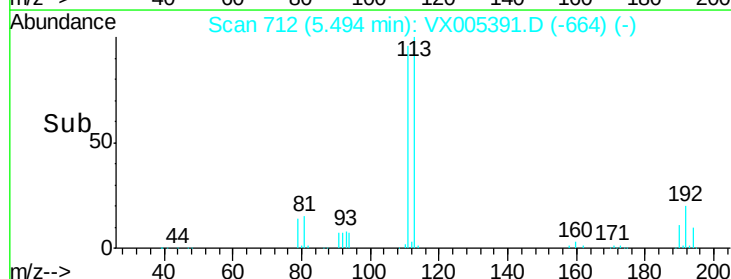
192 23.3 19.4 29.2

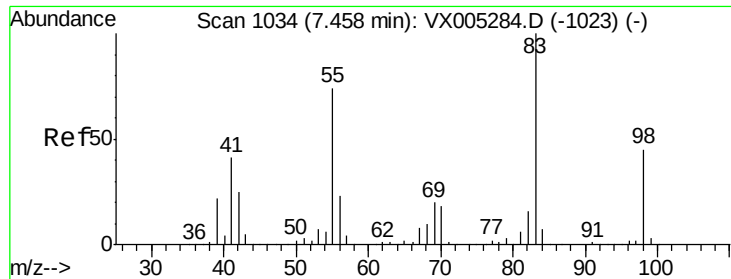


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

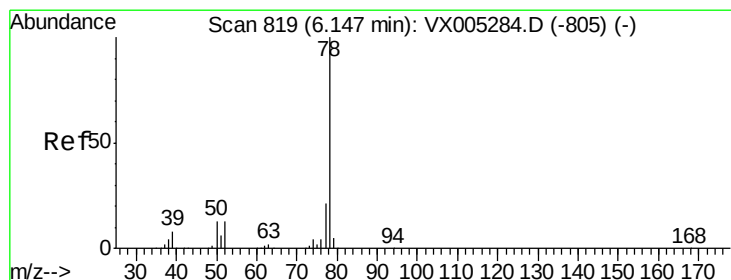
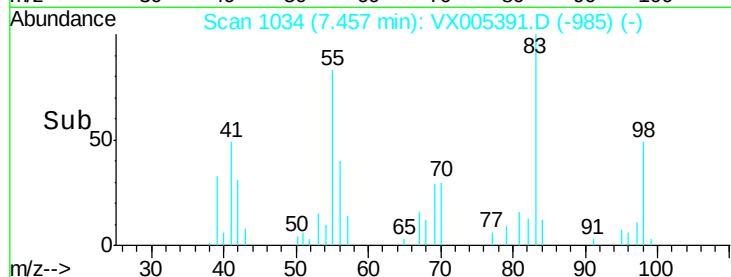
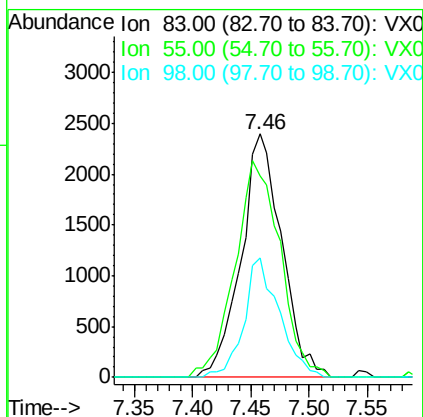
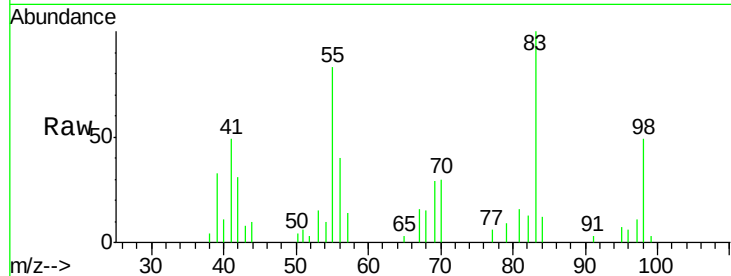




#39
Methylcyclohexane
Concen: 1.378 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.00 min
Lab File: VX005391.D
Acq: 17 Oct 2018 15:22

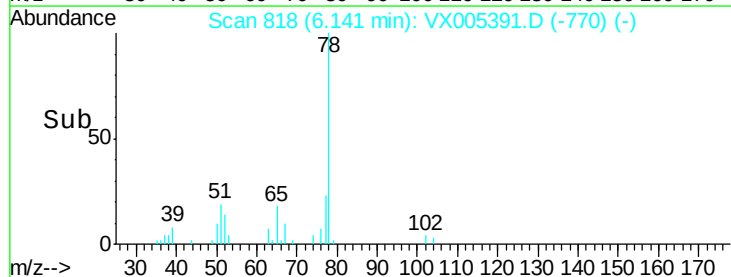
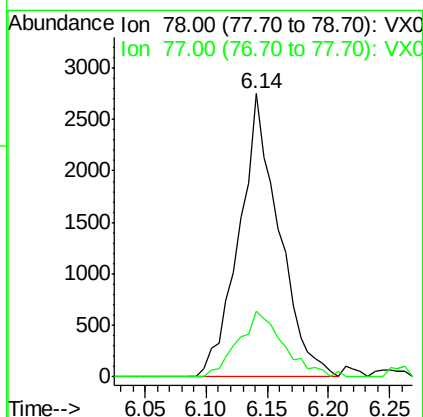
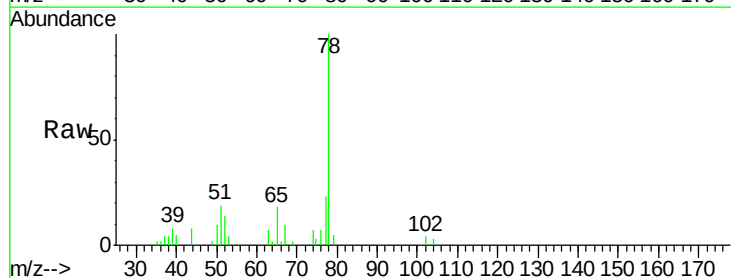
Instrument :
MSVOA_X
ClientSampled :
MW-1

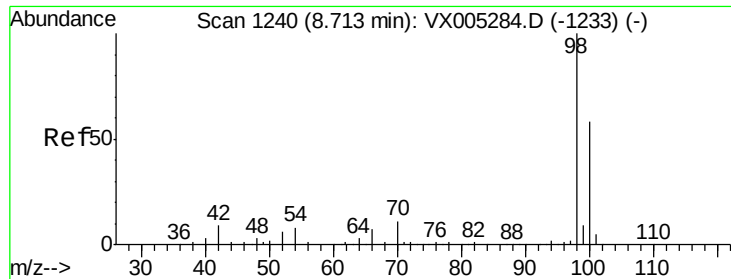
Tgt Ion: 83 Resp: 5820
Ion Ratio Lower Upper
83 100
55 82.7 61.0 91.4
98 49.3 39.6 59.4



#40
Benzene
Concen: 0.530 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.01 min
Lab File: VX005391.D
Acq: 17 Oct 2018 15:22

Tgt Ion: 78 Resp: 6206
Ion Ratio Lower Upper
78 100
77 23.4 19.0 28.4

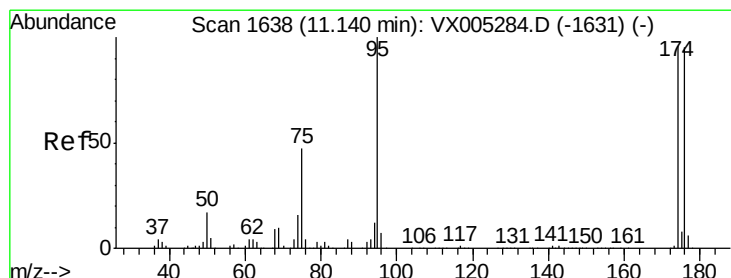
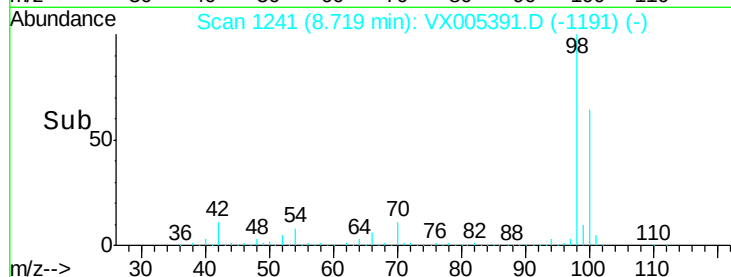
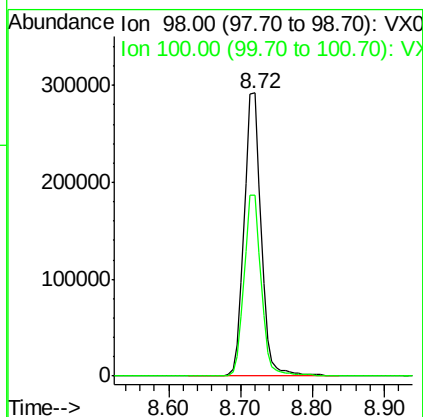
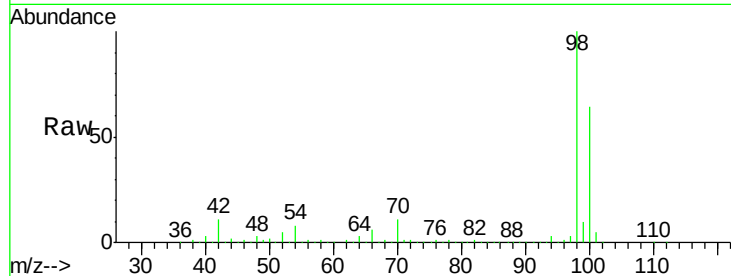




#50
Toluene-d8
Concen: 52.333 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. 0.01 min
Lab File: VX005391.D
Acq: 17 Oct 2018 15:22

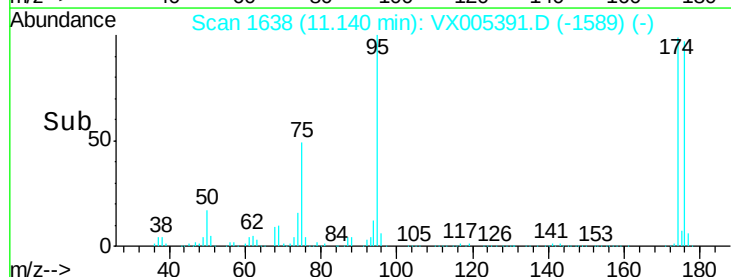
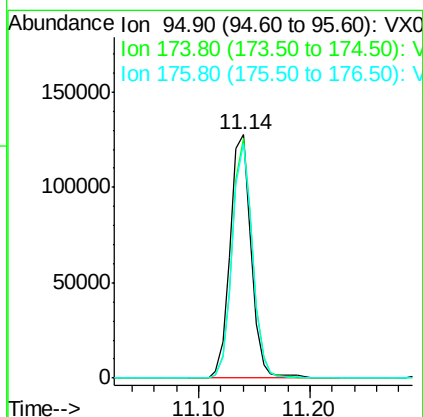
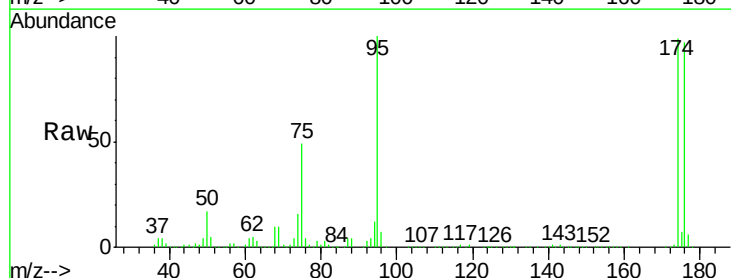
Instrument :
MSVOA_X
ClientSampleId :
MW-1

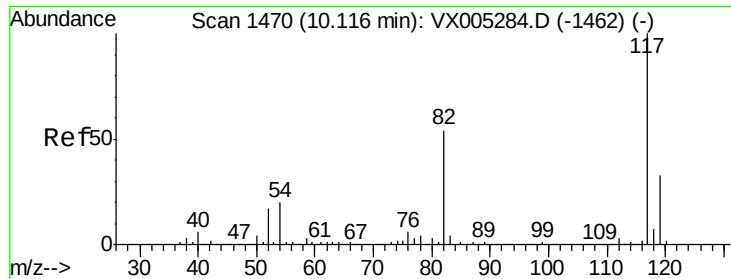
Tgt Ion: 98 Resp: 479507
Ion Ratio Lower Upper
98 100
100 64.1 52.9 79.3



#62
4-Bromofluorobenzene
Concen: 48.335 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. -0.00 min
Lab File: VX005391.D
Acq: 17 Oct 2018 15:22

Tgt Ion: 95 Resp: 166371
Ion Ratio Lower Upper
95 100
174 95.3 0.0 185.2
176 93.0 0.0 178.6

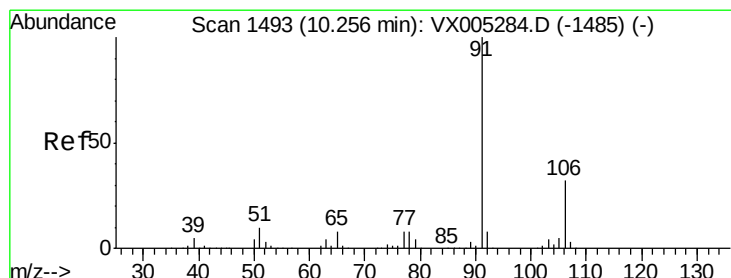
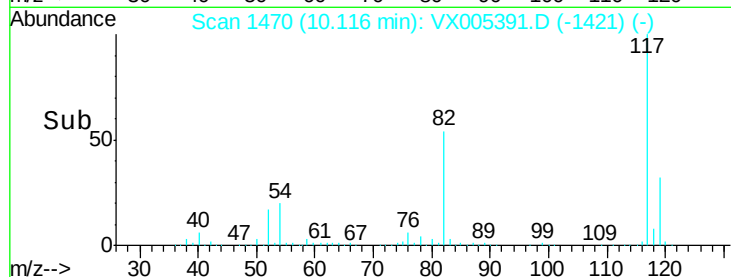
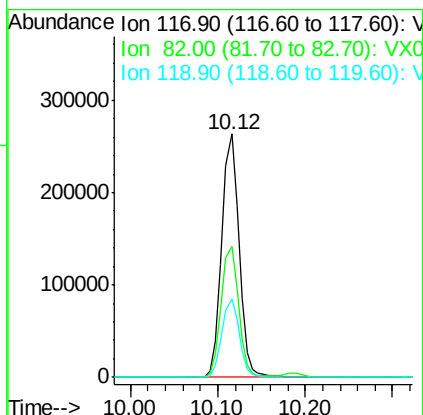
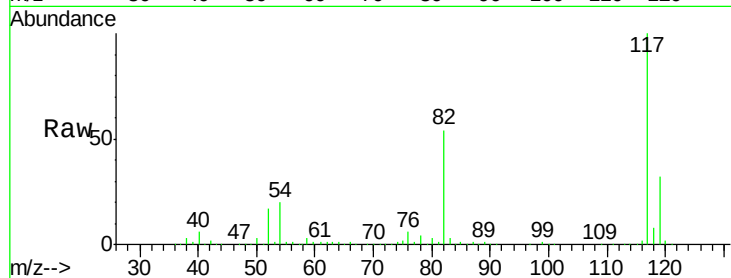




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005391.D
Acq: 17 Oct 2018 15:22

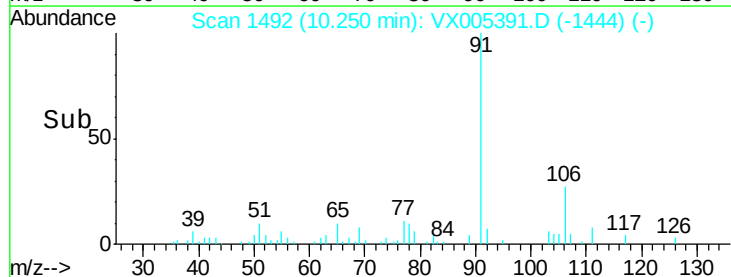
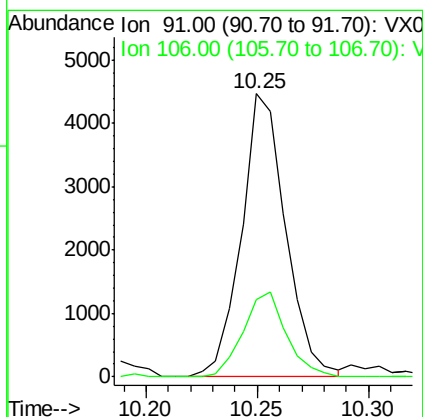
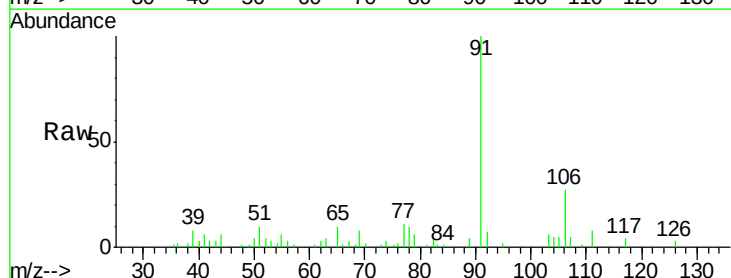
Instrument :
MSVOA_X
ClientSampleId :
MW-1

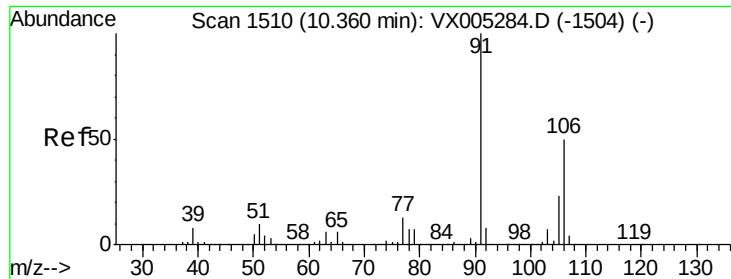
Tgt Ion: 117 Resp: 361809
Ion Ratio Lower Upper
117 100
82 53.8 47.8 71.6
119 32.5 29.3 43.9



#67
Ethyl Benzene
Concen: 0.495 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.01 min
Lab File: VX005391.D
Acq: 17 Oct 2018 15:22

Tgt Ion: 91 Resp: 6198
Ion Ratio Lower Upper
91 100
106 27.2 25.9 38.9

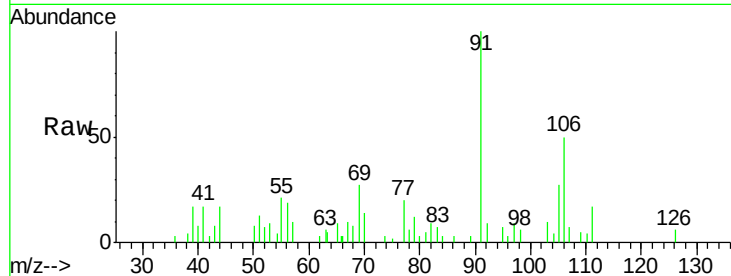




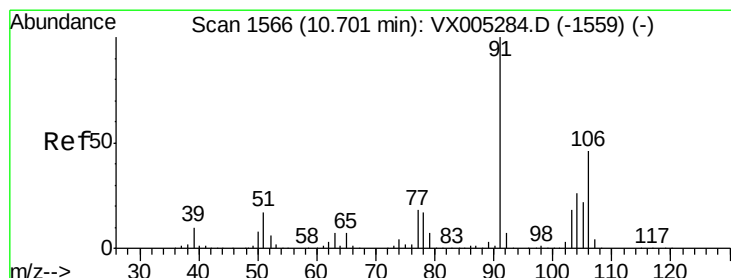
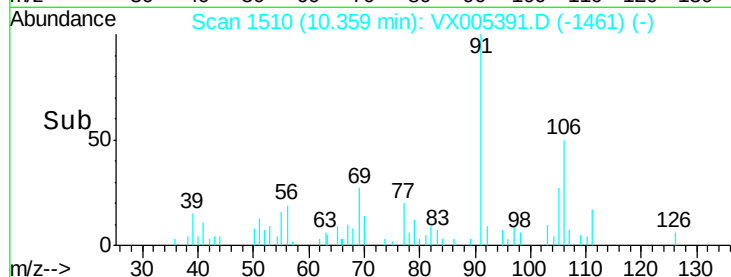
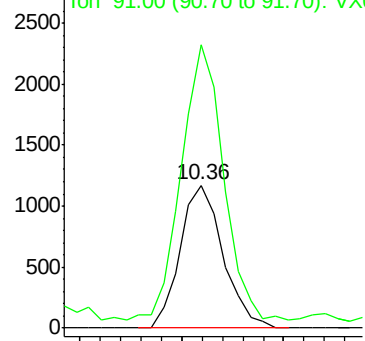
#68
m/p-Xylenes
Concen: 0.350 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX005391.D
Acq: 17 Oct 2018 15:22

Instrument :
MSVOA_X
ClientSampled :
MW-1

Tgt Ion:106 Resp: 1698
Ion Ratio Lower Upper
106 100
91 195.1 157.1 235.7

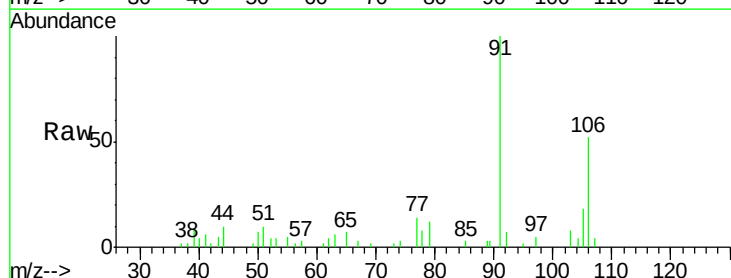


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

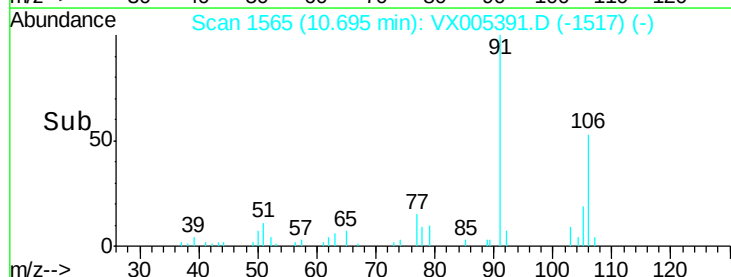
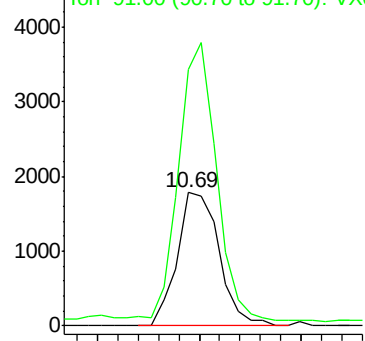


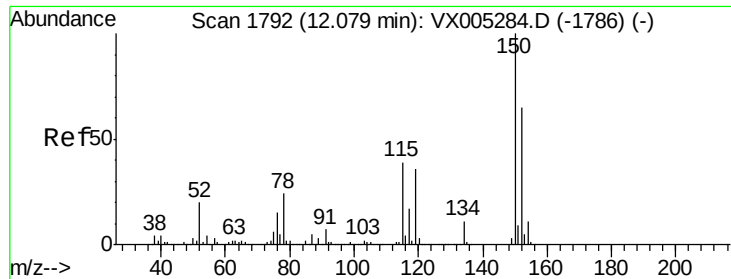
#69
o-Xylene
Concen: 0.542 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX005391.D
Acq: 17 Oct 2018 15:22

Tgt Ion:106 Resp: 2539
Ion Ratio Lower Upper
106 100
91 195.1 105.1 315.1



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



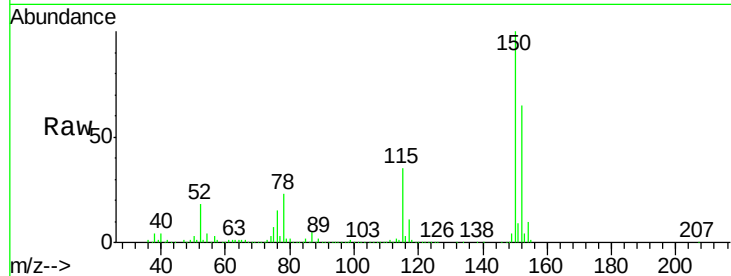


#72

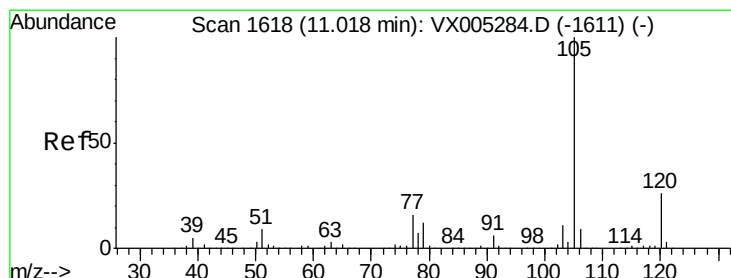
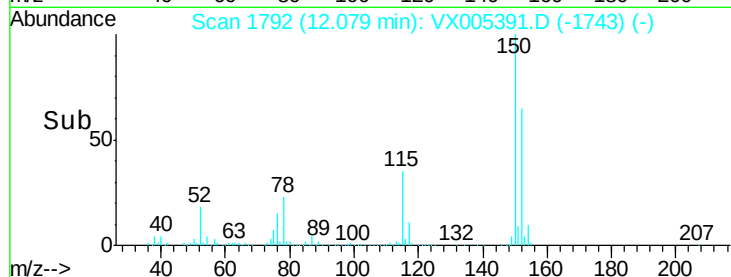
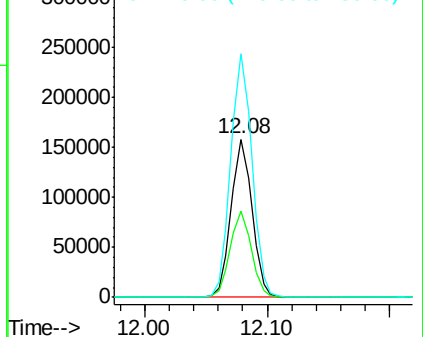
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX005391.D
Acq: 17 Oct 2018 15:22

Instrument :
MSVOA_X
ClientSampled :
MW-1

Tgt Ion:152 Resp: 186631
Ion Ratio Lower Upper
152 100
115 55.3 39.0 117.0
150 156.9 0.0 351.0



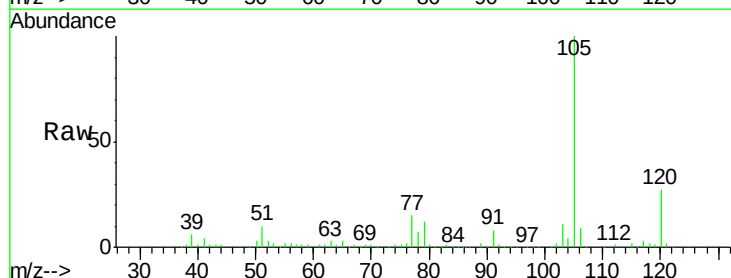
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



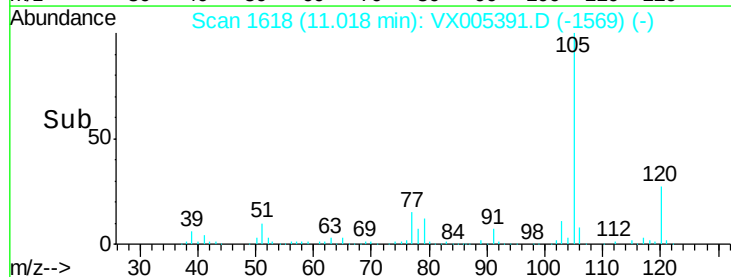
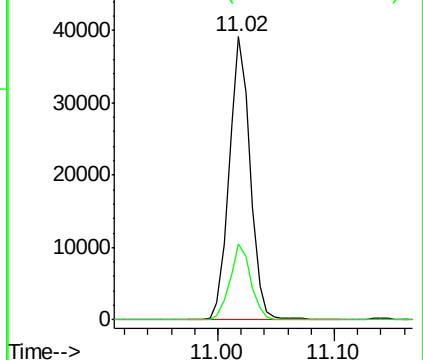
#73

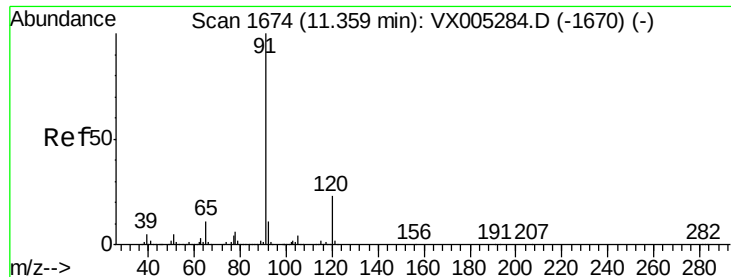
Isopropylbenzene
Concen: 4.408 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX005391.D
Acq: 17 Oct 2018 15:22

Tgt Ion:105 Resp: 48904
Ion Ratio Lower Upper
105 100
120 26.7 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: 9.729 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX005391.D

Acq: 17 Oct 2018 15:22

Instrument :

MSVOA_X

ClientSampleId :

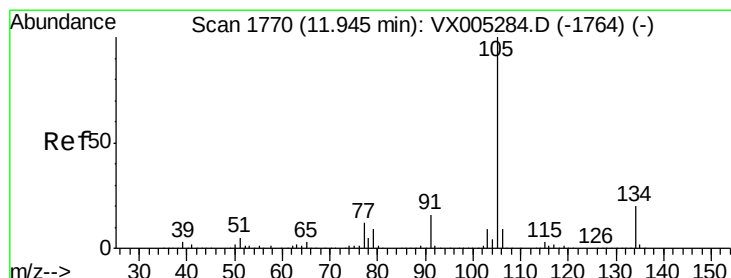
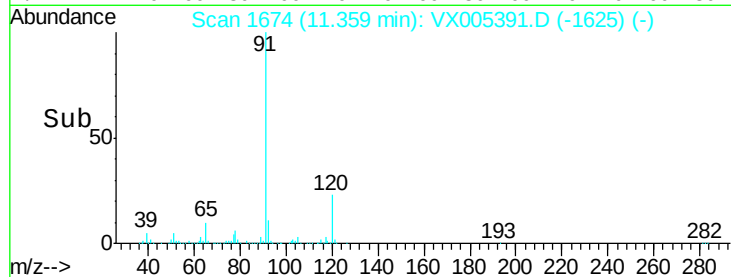
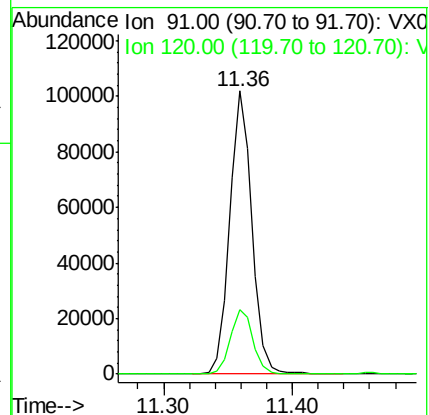
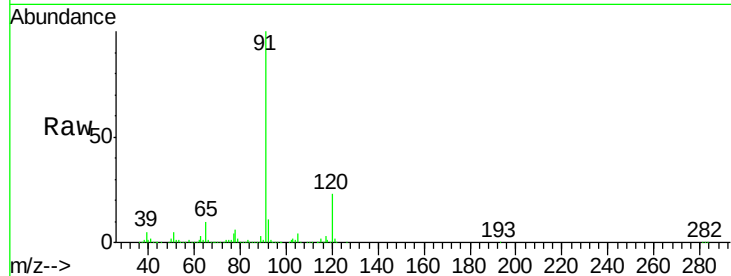
MW-1

Tgt Ion: 91 Resp: 124210

Ion Ratio Lower Upper

91 100

120 23.1 11.9 35.9



#85

sec-Butylbenzene

Concen: 4.753 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX005391.D

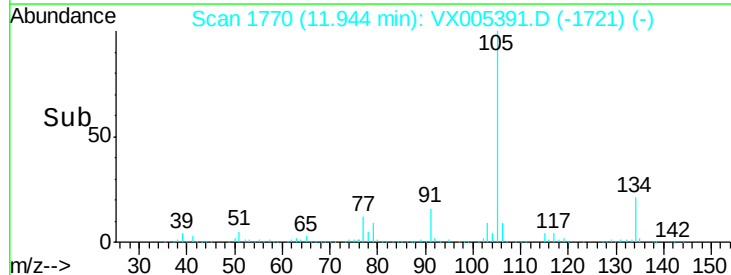
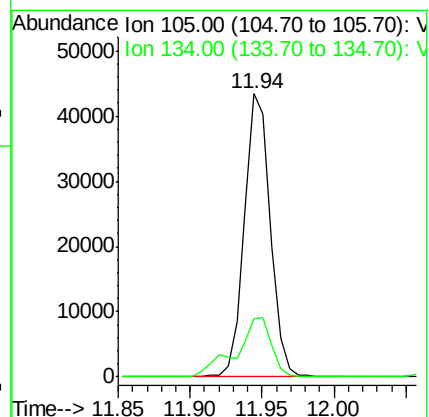
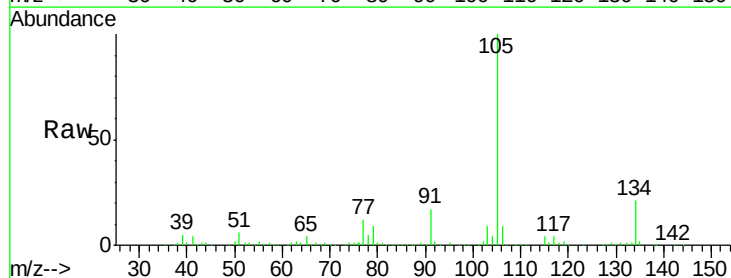
Acq: 17 Oct 2018 15:22

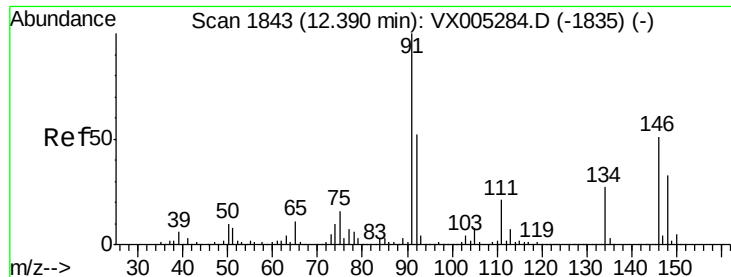
Tgt Ion: 105 Resp: 54113

Ion Ratio Lower Upper

105 100

134 28.6 10.5 31.5

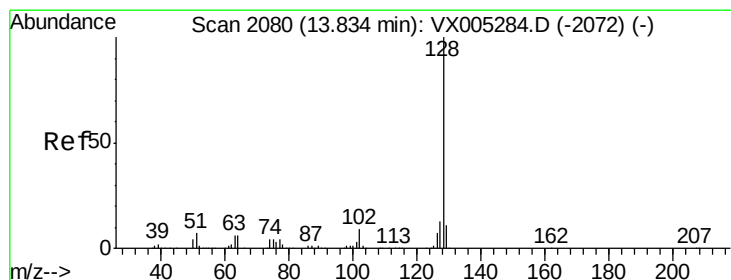
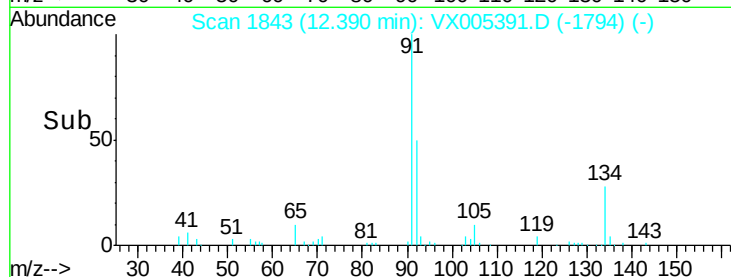
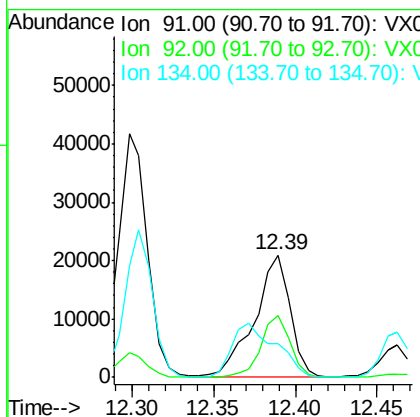
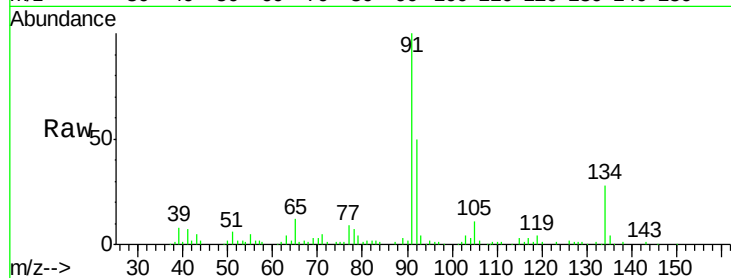




#89
n-Butylbenzene
Concen: 3.357 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX005391.D
Acq: 17 Oct 2018 15:22

Instrument :
MSVOA_X
ClientSampled :
MW-1

Tgt Ion: 91 Resp: 31369
Ion Ratio Lower Upper
91 100
92 42.6 27.3 81.9
134 55.0 13.6 40.7#



#95
Naphthalene
Concen: 11.132 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX005391.D
Acq: 17 Oct 2018 15:22

Tgt Ion: 128 Resp: 143285
Ion Ratio Lower Upper
128 100
127 13.9 10.2 15.2
129 13.7 8.6 12.8#

