

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX100818\
 Data File : VX005117.D
 Acq On : 08 Oct 2018 10:40
 Operator : JC/MD
 Sample : J5268-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-8

Quant Time: Oct 08 18:24:44 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 03 04:00:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	215352	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	334144	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	322940	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	193488	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	159197	51.75	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.50%	
35) Dibromofluoromethane	5.50	113	131096	46.29	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.58%	
50) Toluene-d8	8.72	98	483320	51.34	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.68%	
62) 4-Bromofluorobenzene	11.14	95	184537	54.41	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.82%	

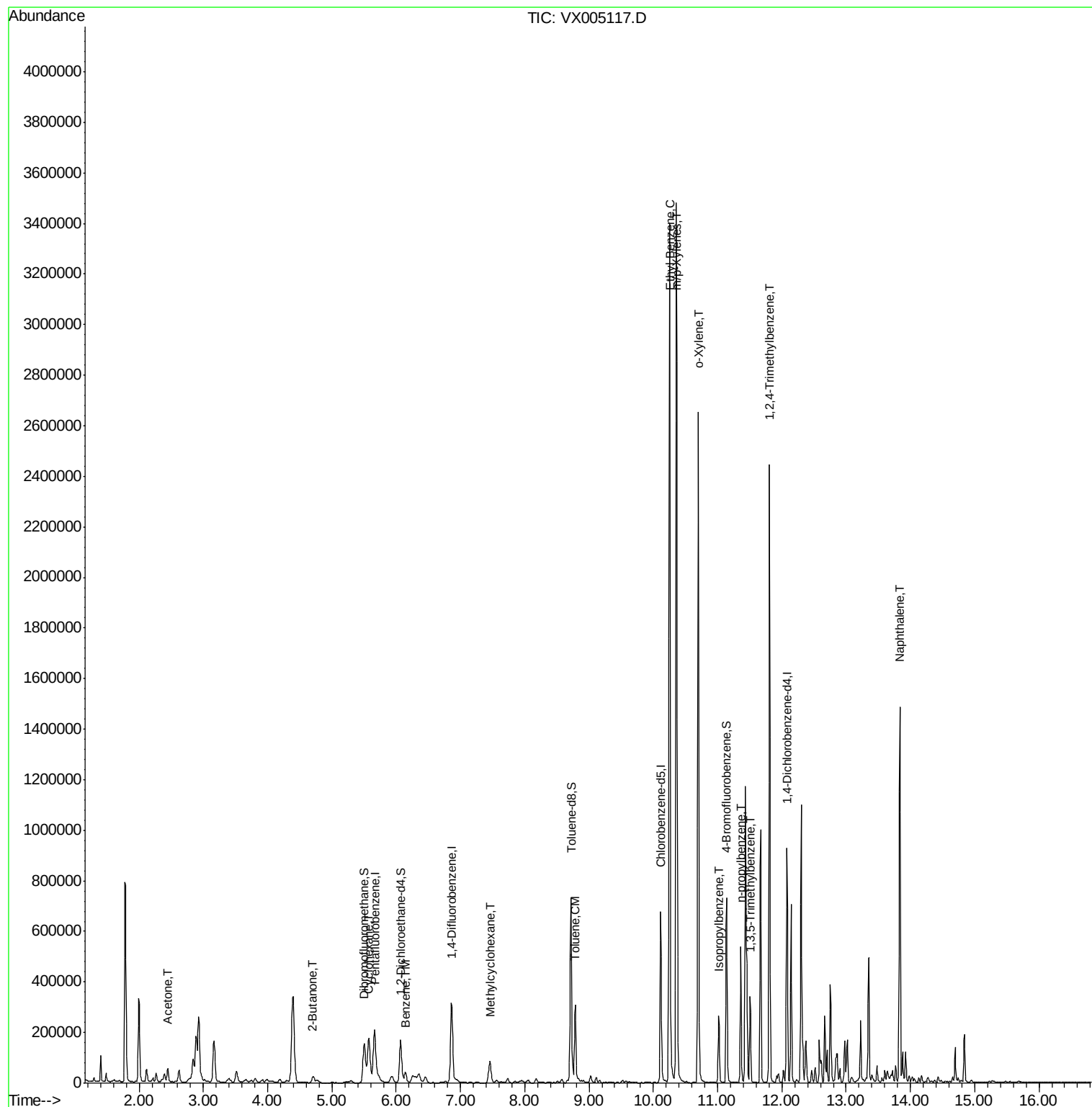
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.45	43	56098	31.23	ug/l	93
25) 2-Butanone	4.70	43	47388	17.90	ug/l	93
31) Cyclohexane	5.58	56	117074	29.91	ug/l	91
39) Methylcyclohexane	7.46	83	32706	8.29	ug/l	90
40) Benzene	6.14	78	48529	4.01	ug/l	94
52) Toluene	8.79	92	117196	17.63	ug/l	96
67) Ethyl Benzene	10.26	91	2059087	156.62	ug/l	96
68) m/p-Xylenes	10.36	106	819800	159.57	ug/l	96
69) o-Xylene	10.70	106	569551	120.70	ug/l	100
73) Isopropylbenzene	11.02	105	136962	11.23	ug/l	99
78) n-propylbenzene	11.36	91	322323	23.03	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	143717	12.71	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	1085686	94.36	ug/l	99
95) Naphthalene	13.83	128	872841	54.17	ug/l	100

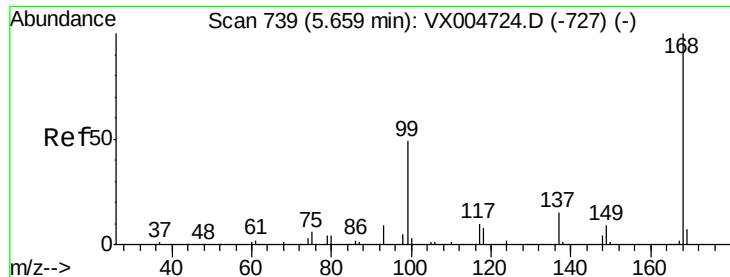
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX005117.D

Acq: 08 Oct 2018 10:40

Instrument :

MSVOA_X

ClientSampled :

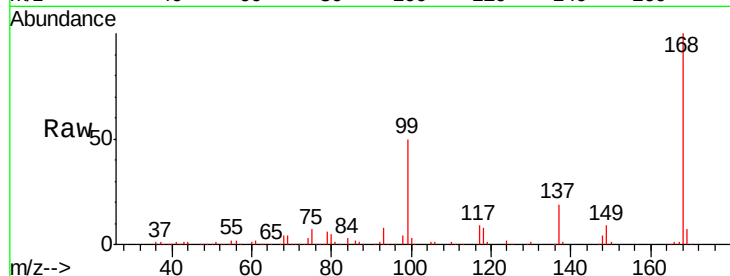
MW-8

Tgt Ion:168 Resp: 215352

Ion Ratio Lower Upper

168 100

99 50.0 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

80000

60000

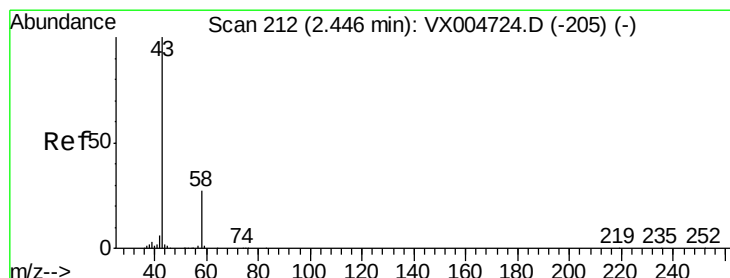
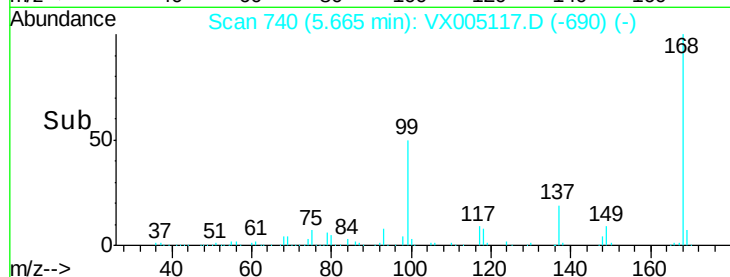
40000

20000

0

Time-->

5.60 5.70 5.80



#16

Acetone

Concen: 31.23 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX005117.D

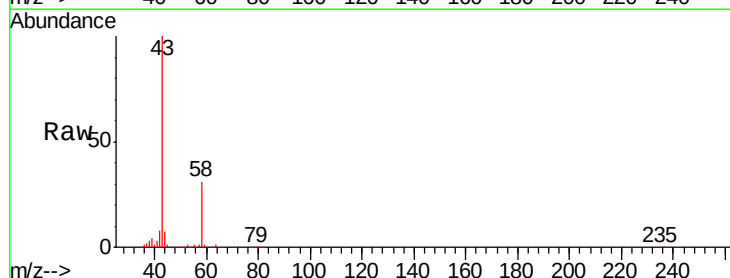
Acq: 08 Oct 2018 10:40

Tgt Ion: 43 Resp: 56098

Ion Ratio Lower Upper

43 100

58 31.0 21.8 32.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.45

40000

30000

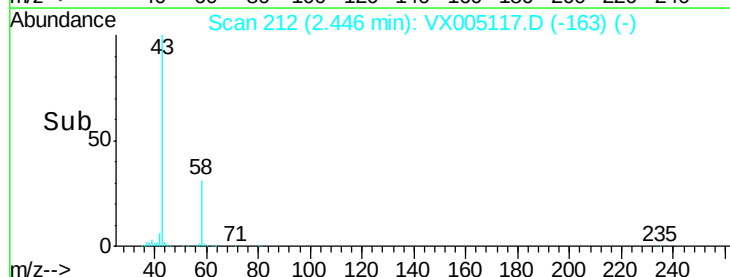
20000

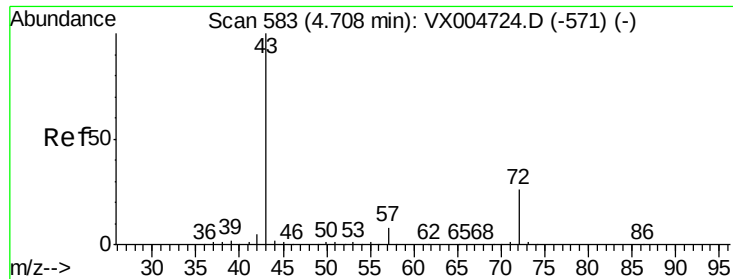
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Time-->

2.40 2.45 2.50 2.55





#25

2-Butanone

Concen: 17.90 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.01 min

Lab File: VX005117.D

Acq: 08 Oct 2018 10:40

Instrument :

MSVOA_X

ClientSampleId :

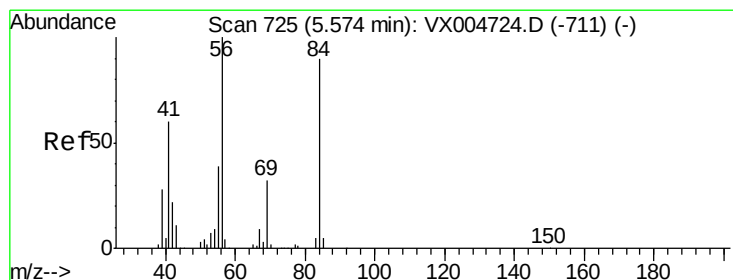
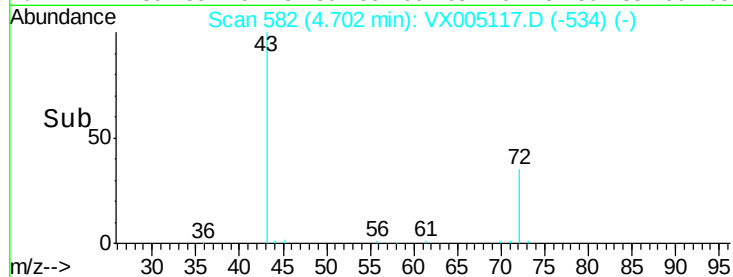
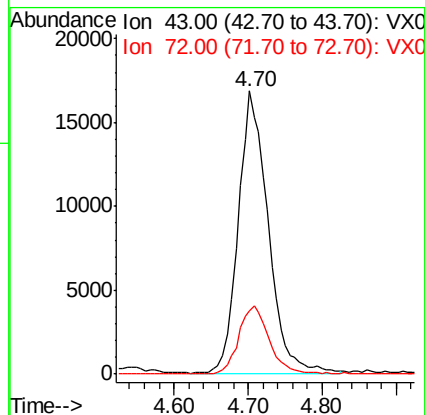
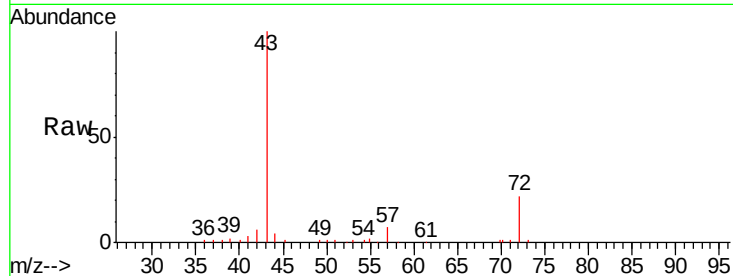
MW-8

Tgt Ion: 43 Resp: 47388

Ion Ratio Lower Upper

43 100

72 22.3 20.8 31.2



#31

Cyclohexane

Concen: 29.91 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.01 min

Lab File: VX005117.D

Acq: 08 Oct 2018 10:40

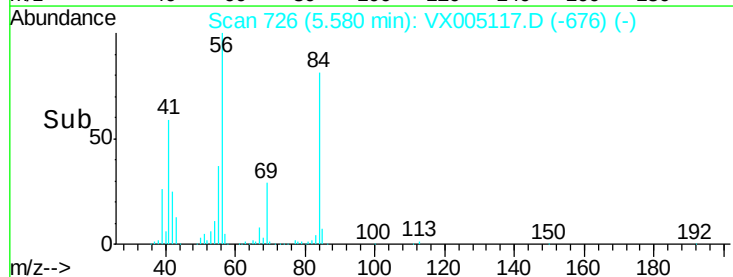
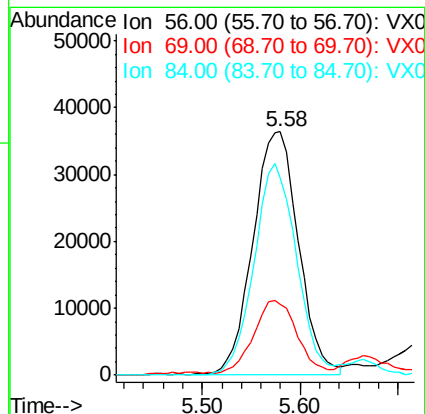
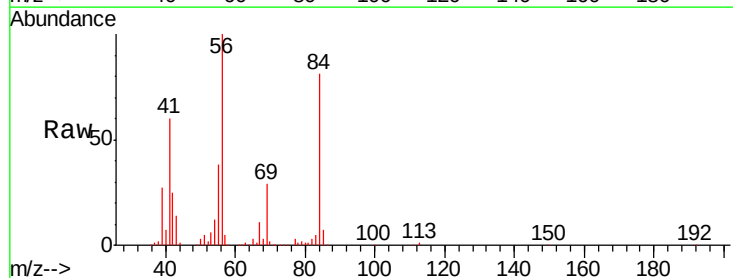
Tgt Ion: 56 Resp: 117074

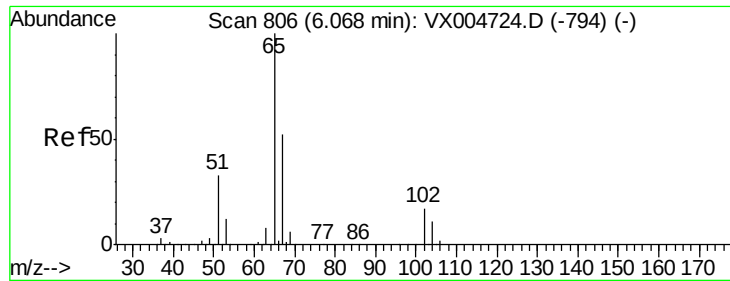
Ion Ratio Lower Upper

56 100

69 27.8 25.9 38.9

84 81.4 71.9 107.9

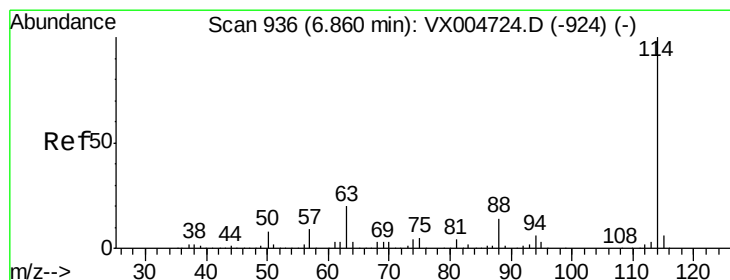
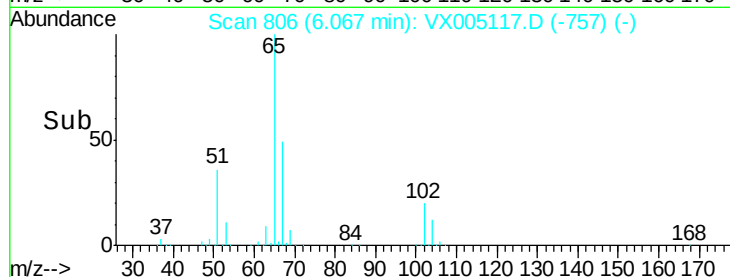
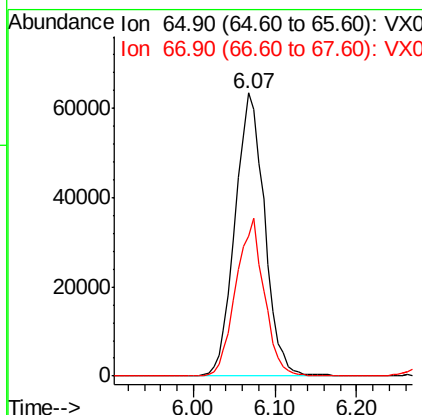
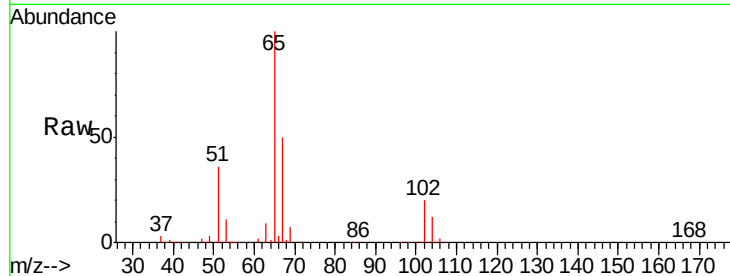




#33
 1,2-Dichloroethane-d4
 Concen: 51.75 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX005117.D
 Acq: 08 Oct 2018 10:40

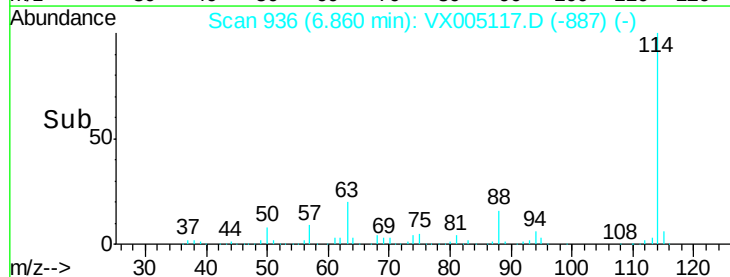
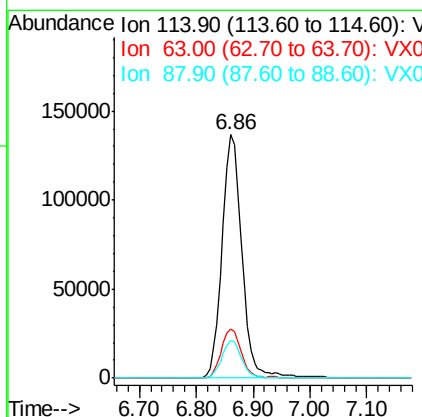
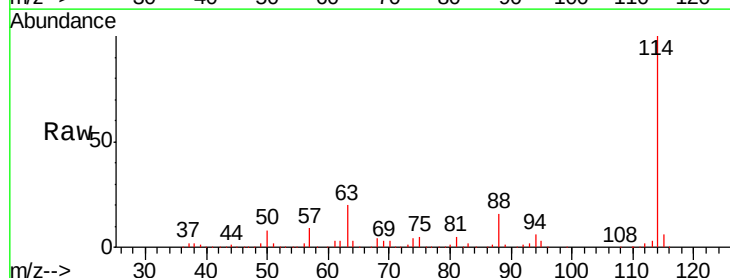
Instrument :
 MSVOA_X
 ClientSampled :
 MW-8

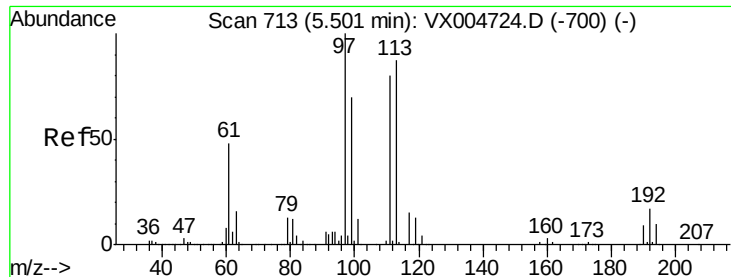
Tgt Ion: 65 Resp: 159197
 Ion Ratio Lower Upper
 65 100
 67 53.5 0.0 107.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX005117.D
 Acq: 08 Oct 2018 10:40

Tgt Ion: 114 Resp: 334144
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 39.8
 88 15.6 0.0 27.0





#35

Dibromofluoromethane

Concen: 46.29 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX005117.D

Acq: 08 Oct 2018 10:40

Instrument :

MSVOA_X

ClientSampled :

MW-8

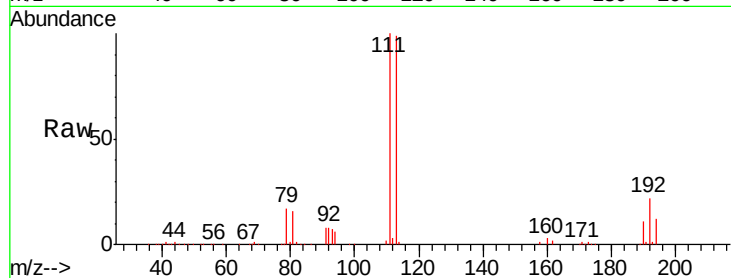
Tgt Ion:113 Resp: 131096

Ion Ratio Lower Upper

113 100

111 102.4 77.0 115.4

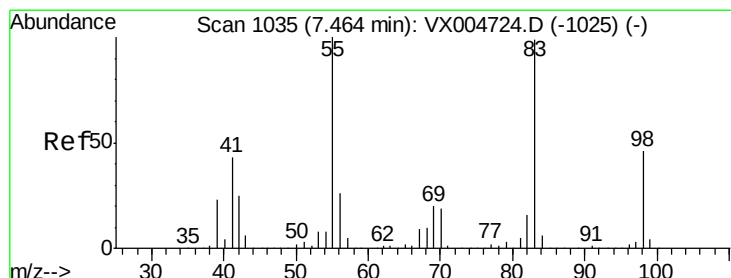
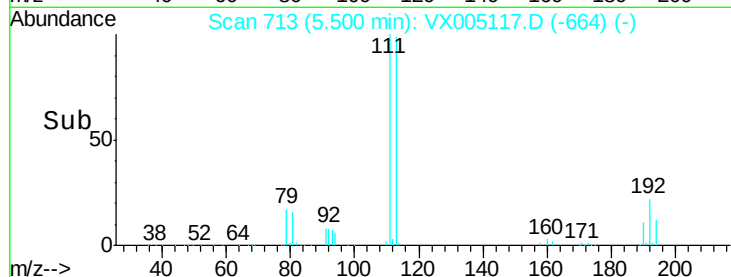
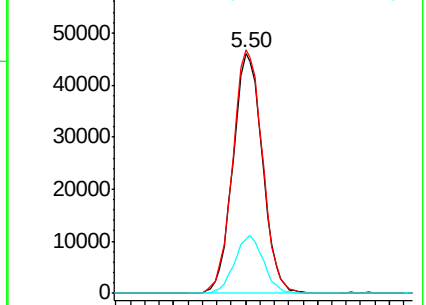
192 23.7 17.0 25.6



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: 8.29 ug/l

RT: 7.46 min Scan# 1034

Delta R.T. -0.01 min

Lab File: VX005117.D

Acq: 08 Oct 2018 10:40

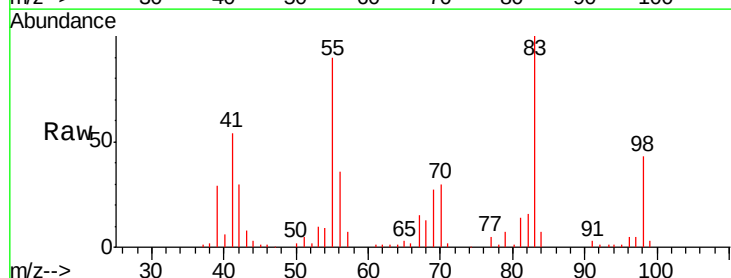
Tgt Ion: 83 Resp: 32706

Ion Ratio Lower Upper

83 100

55 89.7 81.1 121.7

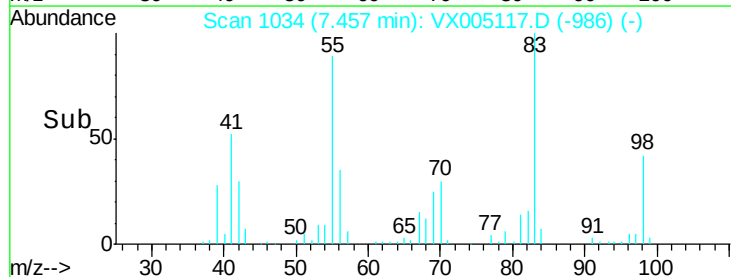
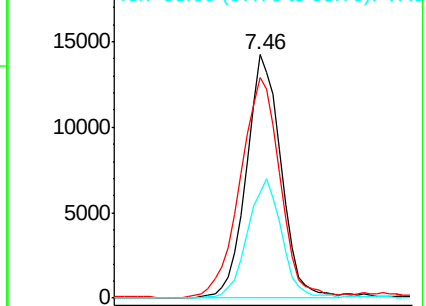
98 43.3 37.3 55.9

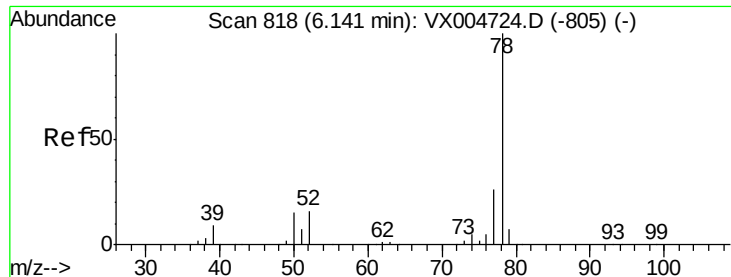


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#40

Benzene

Concen: 4.01 ug/l

RT: 6.14 min Scan# 818

Delta R.T. -0.00 min

Lab File: VX005117.D

Acq: 08 Oct 2018 10:40

Instrument :

MSVOA_X

ClientSampleId :

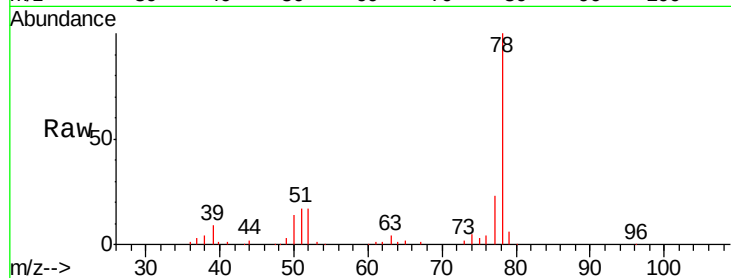
MW-8

Tgt Ion: 78 Resp: 48529

Ion Ratio Lower Upper

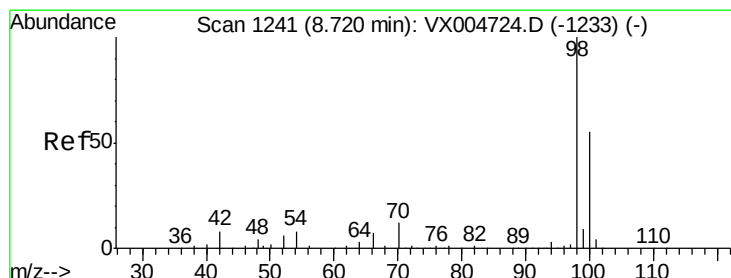
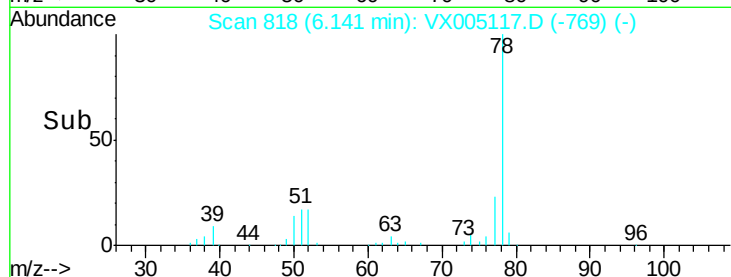
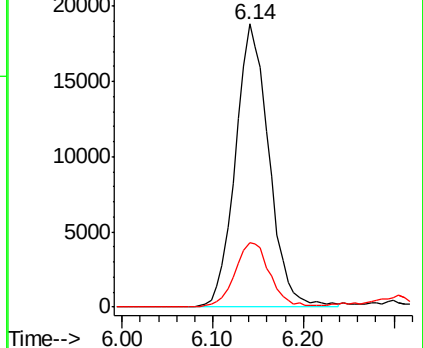
78 100

77 22.9 21.0 31.4



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



#50

Toluene-d8

Concen: 51.34 ug/l

RT: 8.72 min Scan# 1241

Delta R.T. -0.00 min

Lab File: VX005117.D

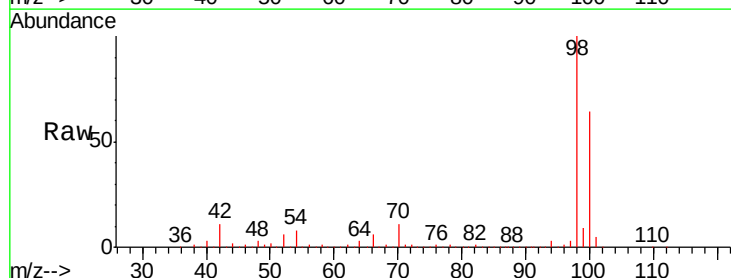
Acq: 08 Oct 2018 10:40

Tgt Ion: 98 Resp: 483320

Ion Ratio Lower Upper

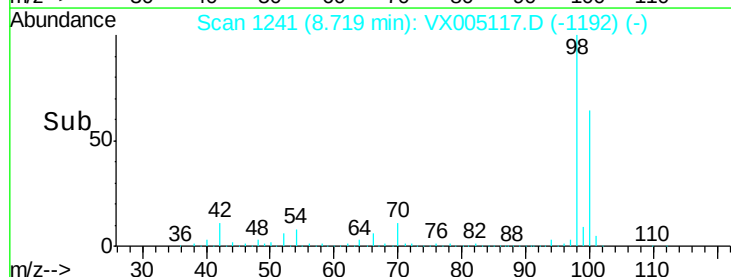
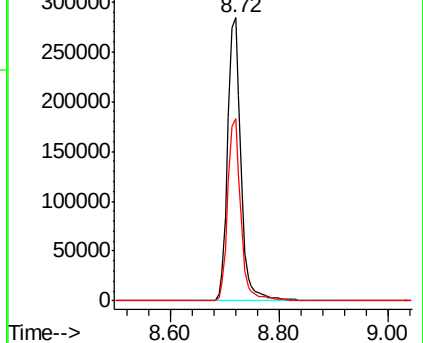
98 100

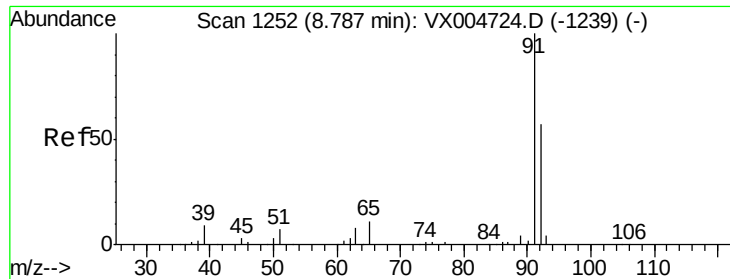
100 63.2 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#52

Toluene

Concen: 17.63 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX005117.D

Acq: 08 Oct 2018 10:40

Instrument :

MSVOA_X

ClientSampled :

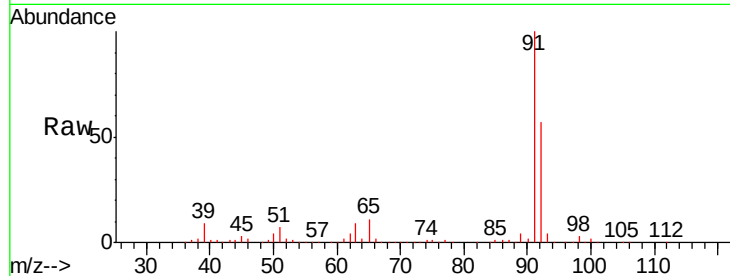
MW-8

Tgt Ion: 92 Resp: 117196

Ion Ratio Lower Upper

92 100

91 176.0 136.7 205.1



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

150000

100000

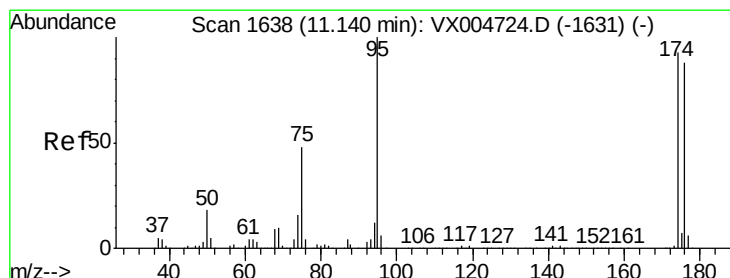
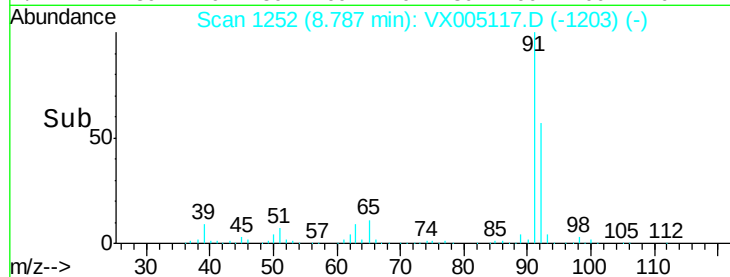
50000

0

8.79

8.70 8.80 8.90 9.00

Time-->



#62

4-Bromofluorobenzene

Concen: 54.41 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX005117.D

Acq: 08 Oct 2018 10:40

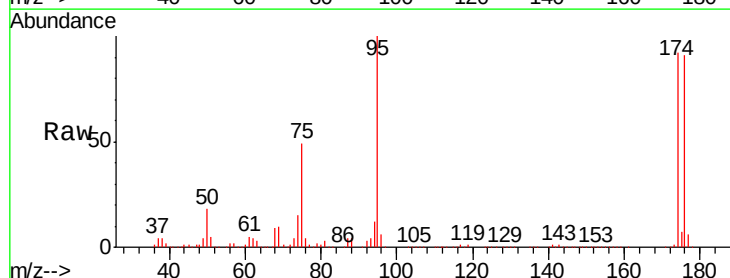
Tgt Ion: 95 Resp: 184537

Ion Ratio Lower Upper

95 100

174 92.6 0.0 185.0

176 90.2 0.0 180.2



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

200000

150000

100000

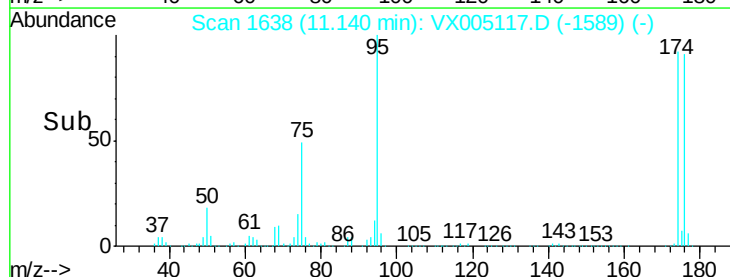
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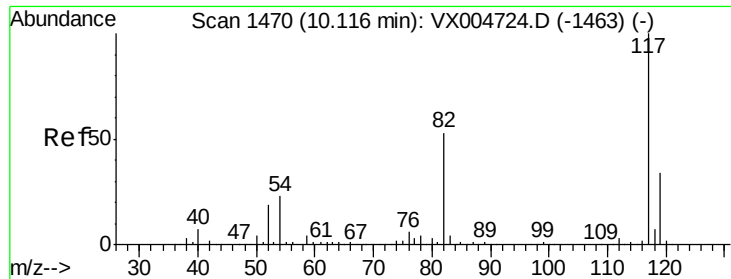
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11.14

11.00 11.10 11.20 11.30

Time-->

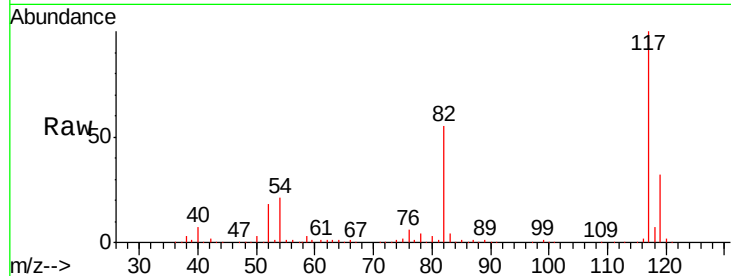




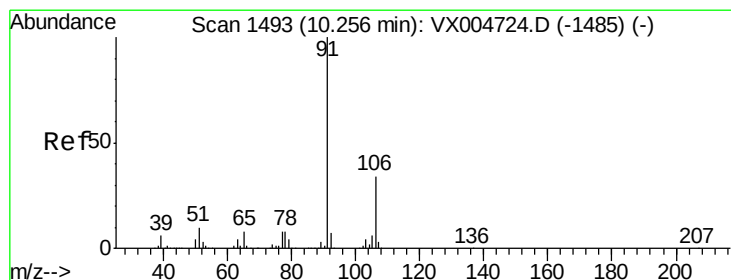
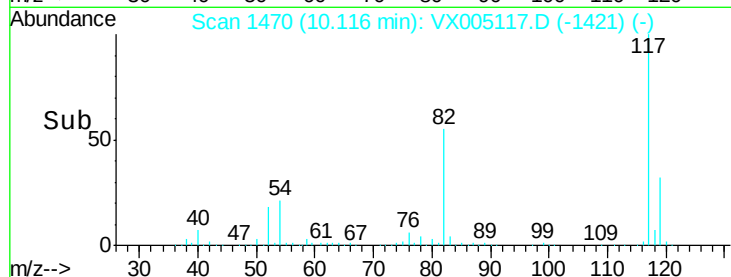
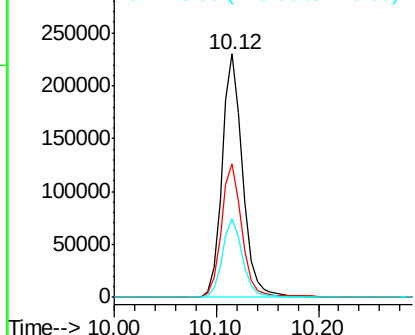
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005117.D
Acq: 08 Oct 2018 10:40

Instrument :
MSVOA_X
ClientSampled :
MW-8

Tgt Ion: 117 Resp: 322940
Ion Ratio Lower Upper
117 100
82 54.9 42.2 63.4
119 32.3 27.4 41.0

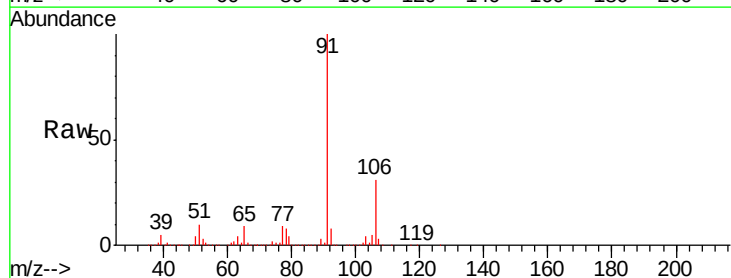


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

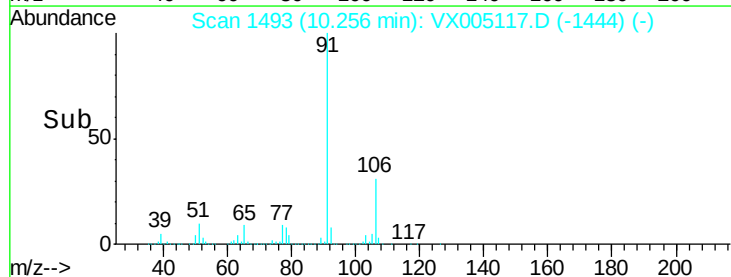
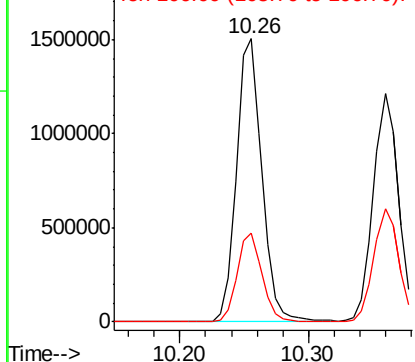


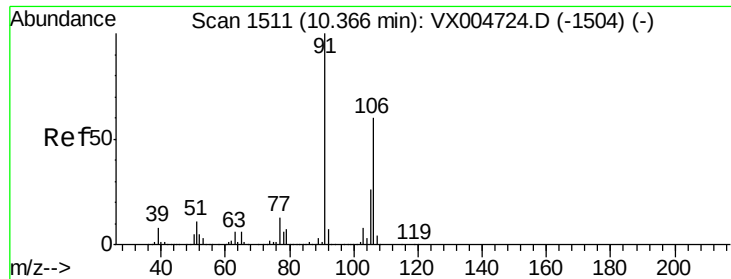
#67
Ethyl Benzene
Concen: 156.62 ug/l
RT: 10.26 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VX005117.D
Acq: 08 Oct 2018 10:40

Tgt Ion: 91 Resp: 2059087
Ion Ratio Lower Upper
91 100
106 31.5 26.9 40.3



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

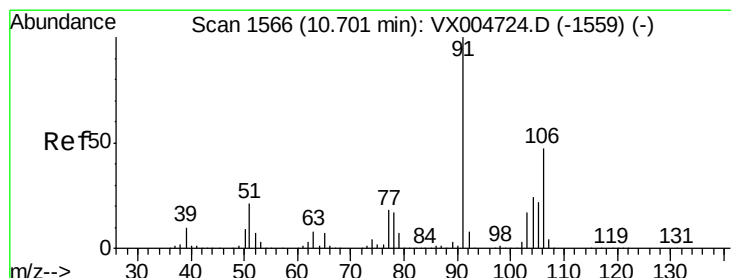
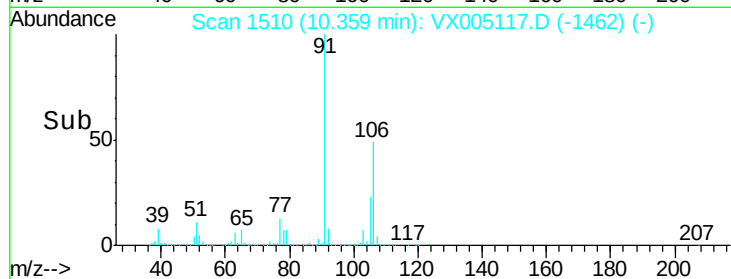
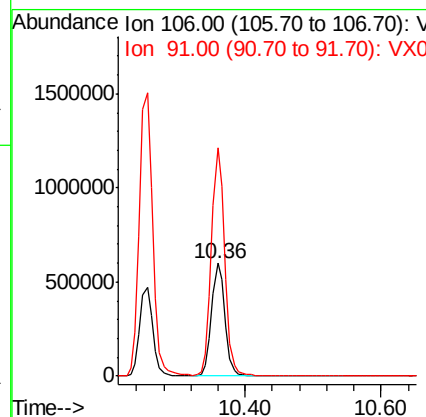
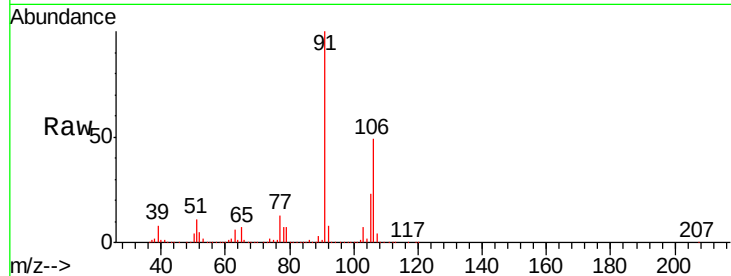




#68
m/p-Xylenes
Concen: 159.57 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.01 min
Lab File: VX005117.D
Acq: 08 Oct 2018 10:40

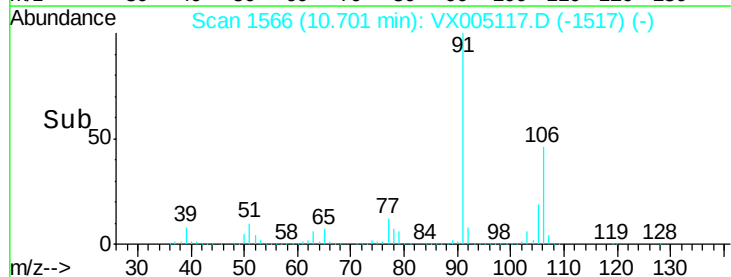
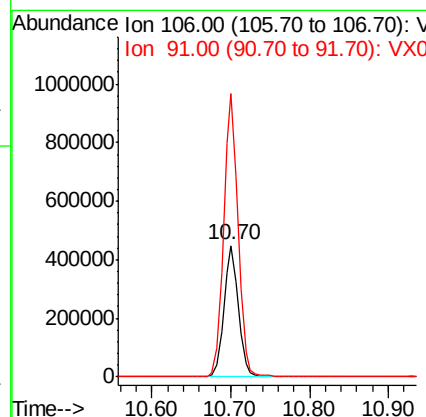
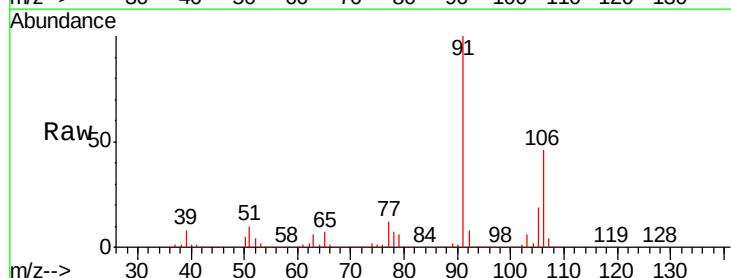
Instrument :
MSVOA_X
ClientSampled :
MW-8

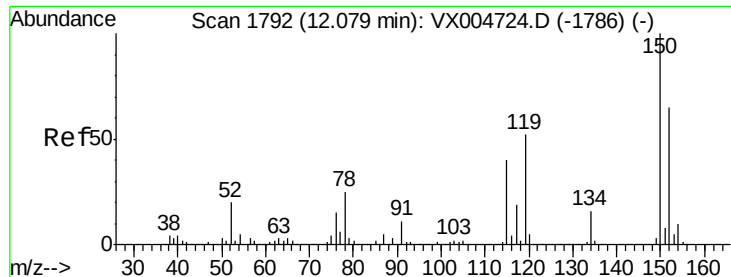
Tgt Ion:106 Resp: 819800
Ion Ratio Lower Upper
106 100
91 202.6 157.5 236.3



#69
o-Xylene
Concen: 120.70 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX005117.D
Acq: 08 Oct 2018 10:40

Tgt Ion:106 Resp: 569551
Ion Ratio Lower Upper
106 100
91 216.7 108.3 324.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX005117.D

Acq: 08 Oct 2018 10:40

Instrument :

MSVOA_X

ClientSampleId :

MW-8

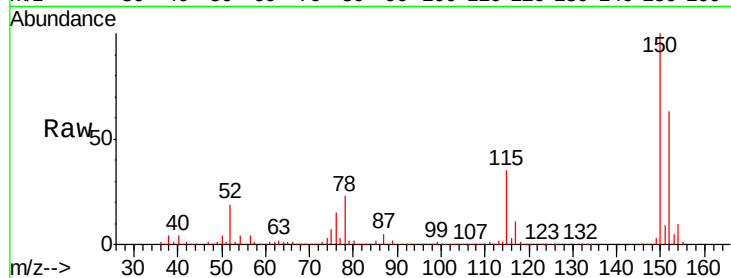
Tgt Ion:152 Resp: 193488

Ion Ratio Lower Upper

152 100

115 54.6 40.2 120.6

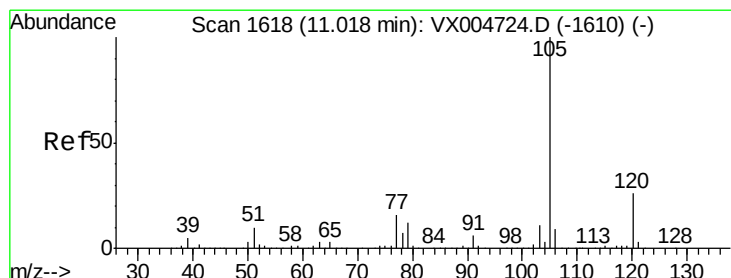
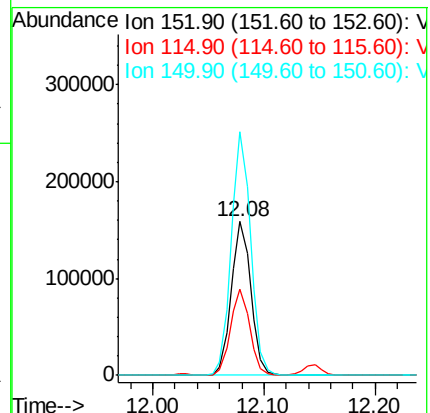
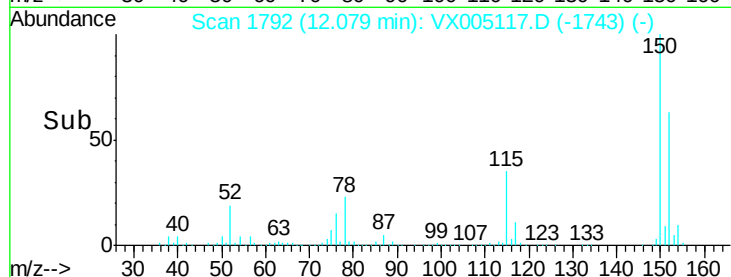
150 156.6 0.0 351.0



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: 11.23 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX005117.D

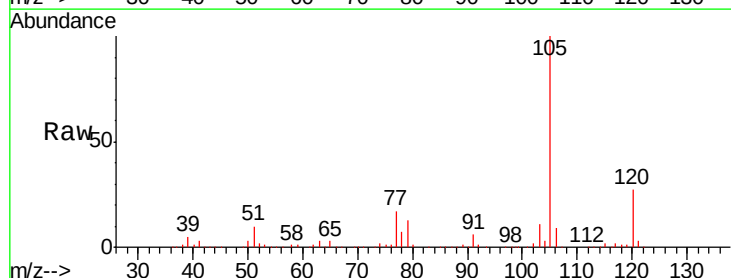
Acq: 08 Oct 2018 10:40

Tgt Ion:105 Resp: 136962

Ion Ratio Lower Upper

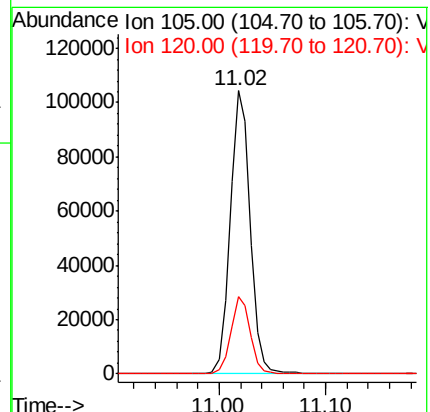
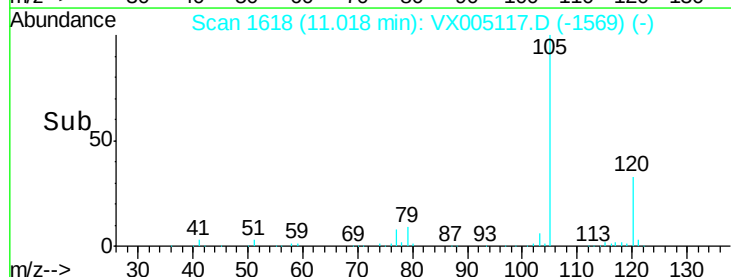
105 100

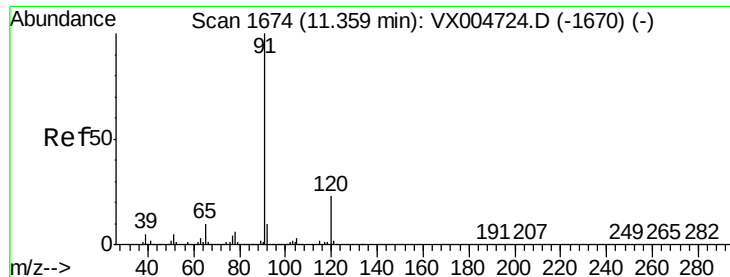
120 26.7 13.2 39.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

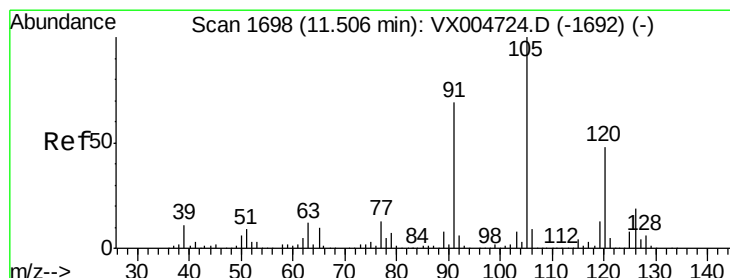
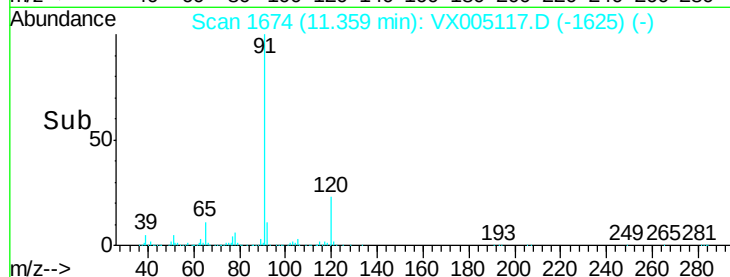
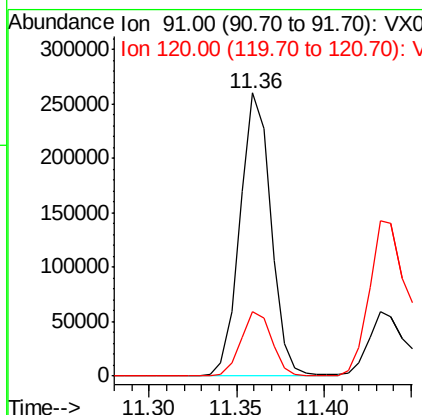
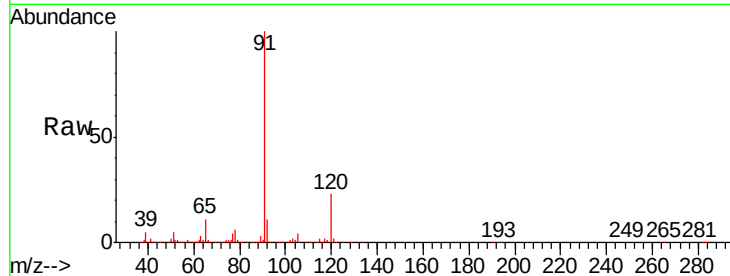




#78
n-propylbenzene
Concen: 23.03 ug/l
RT: 11.36 min Scan# 1674
Delta R.T. -0.00 min
Lab File: VX005117.D
Acq: 08 Oct 2018 10:40

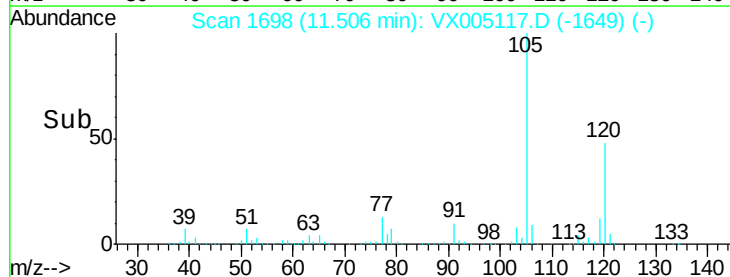
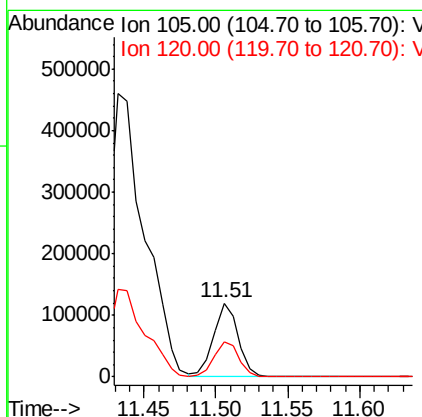
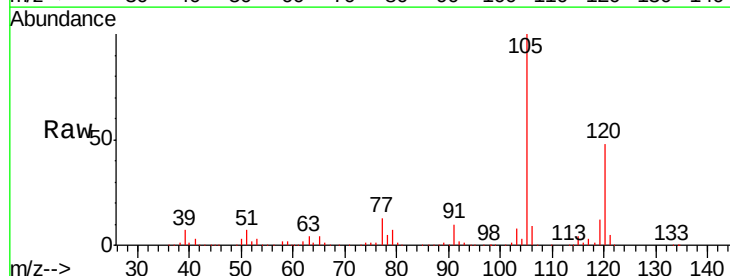
Instrument :
MSVOA_X
ClientSampled :
MW-8

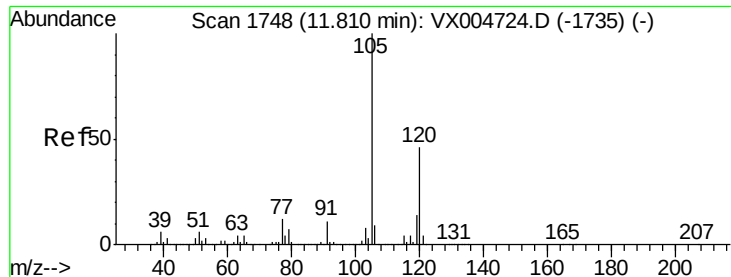
Tgt Ion: 91 Resp: 322323
Ion Ratio Lower Upper
91 100
120 22.9 12.0 36.0



#80
1,3,5-Trimethylbenzene
Concen: 12.71 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. -0.00 min
Lab File: VX005117.D
Acq: 08 Oct 2018 10:40

Tgt Ion: 105 Resp: 143717
Ion Ratio Lower Upper
105 100
120 48.7 24.3 72.8





#84

1,2,4-Trimethylbenzene

Concen: 94.36 ug/l

RT: 11.81 min Scan# 1748

Delta R.T. -0.00 min

Lab File: VX005117.D

Acq: 08 Oct 2018 10:40

Instrument :

MSVOA_X

ClientSampled :

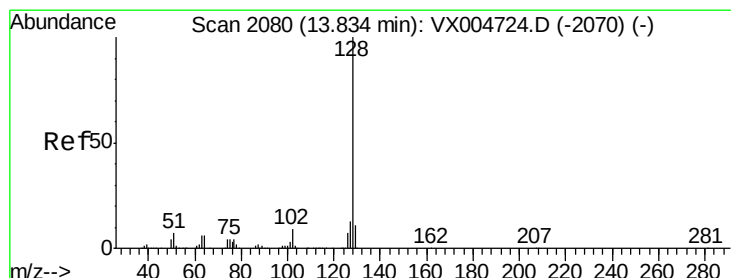
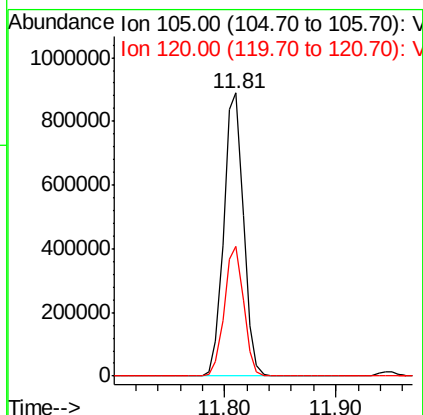
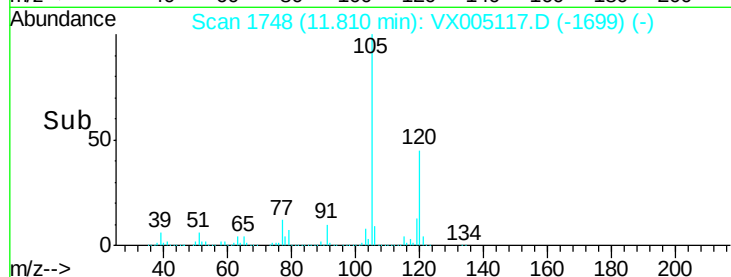
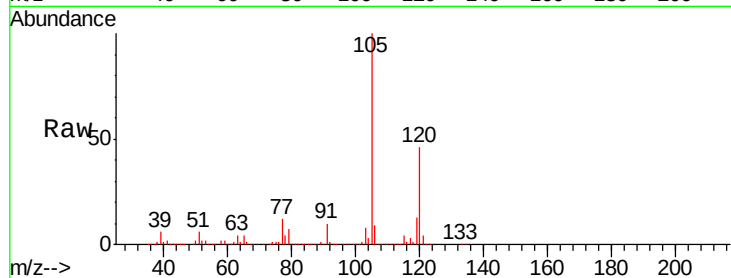
MW-8

Tgt Ion:105 Resp: 1085686

Ion Ratio Lower Upper

105 100

120 45.2 22.8 68.3



#95

Naphthalene

Concen: 54.17 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX005117.D

Acq: 08 Oct 2018 10:40

Tgt Ion:128 Resp: 872841

Ion Ratio Lower Upper

128 100

127 13.0 10.4 15.6

129 10.8 8.7 13.1

