

Data File : VX003118.D
Acq On : 01 Jul 2018 09:59
Operator : JC/MD
Sample : J3799-09
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 52 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ULMW-02

Quant Time: Jul 07 05:12:10 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	287885	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	401589	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	381196	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	229166	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	185930	46.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.46%	
35) Dibromofluoromethane	5.51	113	155994	49.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.10%	
50) Toluene-d8	8.72	98	565229	48.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.34%	
62) 4-Bromofluorobenzene	11.14	95	209818	46.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.70%	

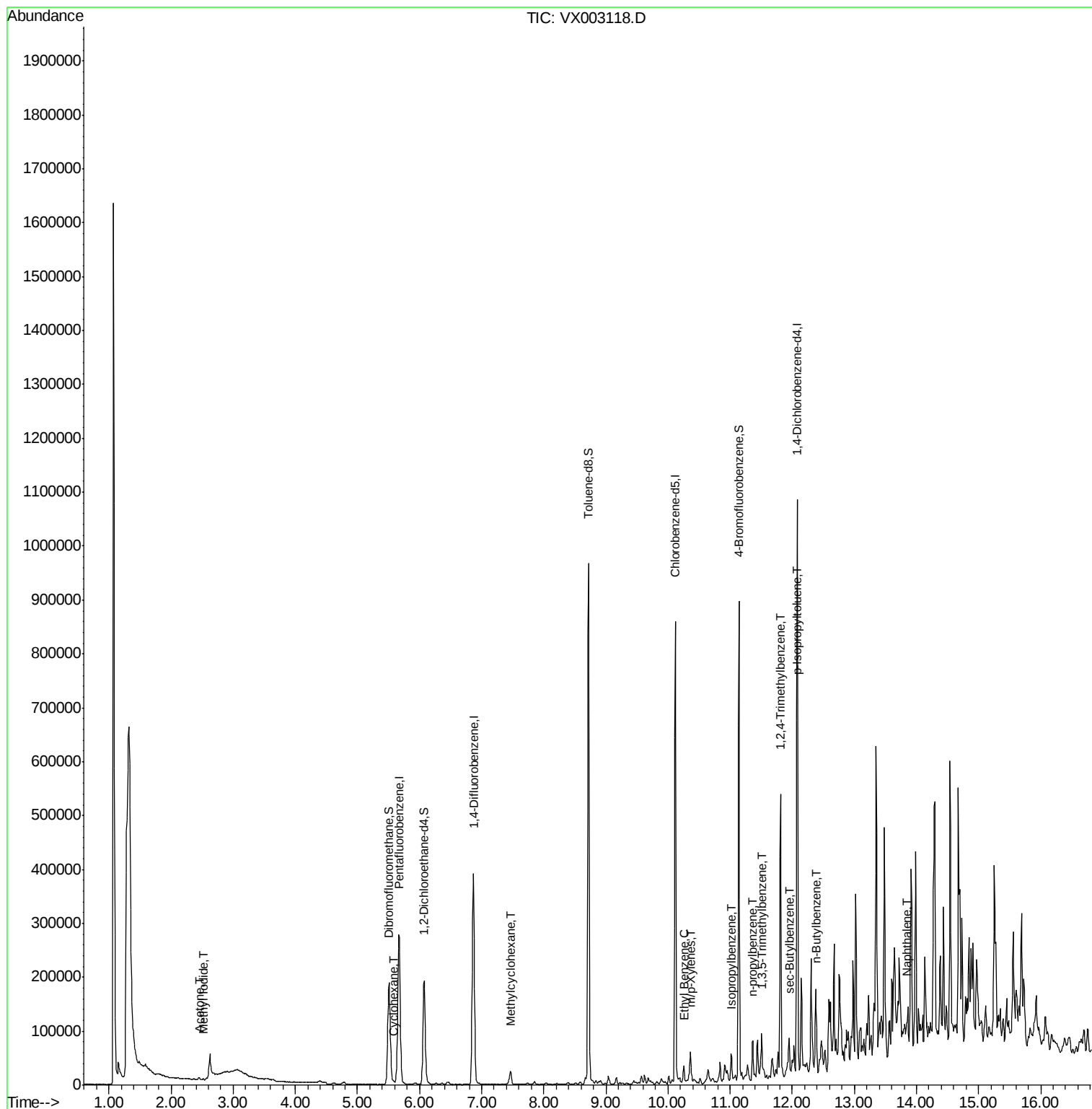
Target Compounds				Qvalue		
10) Methyl Iodide	2.51	142	1667	6.678	ug/l #	95
16) Acetone	2.45	43	4830	2.931	ug/l #	87
31) Cyclohexane	5.58	56	3598	0.721	ug/l	98
39) Methylcyclohexane	7.46	83	9750	1.901	ug/l	96
67) Ethyl Benzene	10.26	91	15993	1.000	ug/l	97
68) m/p-Xylenes	10.36	106	11017	1.787	ug/l	93
73) Isopropylbenzene	11.02	105	21680	1.406	ug/l	97
78) n-propylbenzene	11.37	91	43990	2.507	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	34406	2.650	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	213423	15.864	ug/l	97
85) sec-Butylbenzene	11.95	105	24899	1.604	ug/l	81
86) p-Isopropyltoluene	12.07	119	11248	0.806	ug/l	95
89) n-Butylbenzene	12.39	91	24101	1.984	ug/l #	51
95) Naphthalene	13.84	128	30953	1.973	ug/l #	90

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.01 min

Lab File: VX003118.D

Acq: 01 Jul 2018 09:59

Instrument :

MSVOA_X

ClientSampleId :

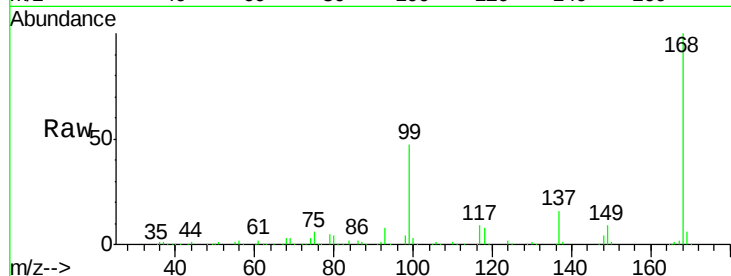
ULMW-02

Tgt Ion:168 Resp: 287885

Ion Ratio Lower Upper

168 100

99 47.1 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX

120000

100000

80000

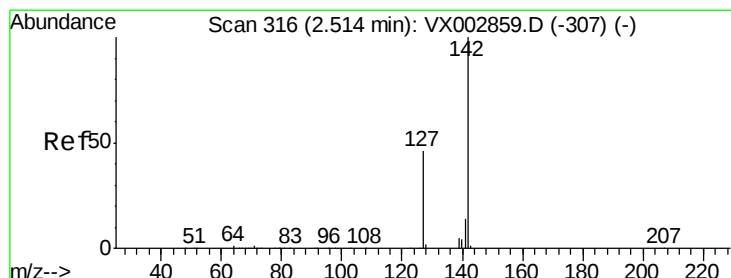
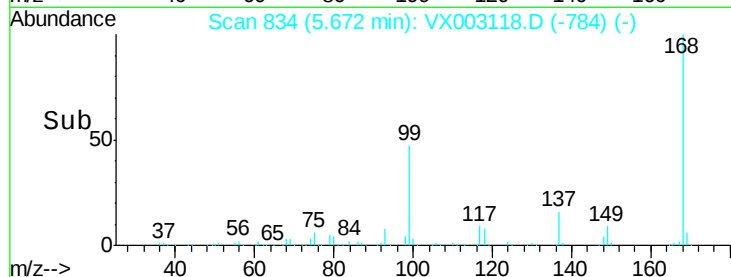
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#10

Methyl Iodide

Concen: 6.678 ug/l

RT: 2.51 min Scan# 316

Delta R.T. 0.00 min

Lab File: VX003118.D

Acq: 01 Jul 2018 09:59

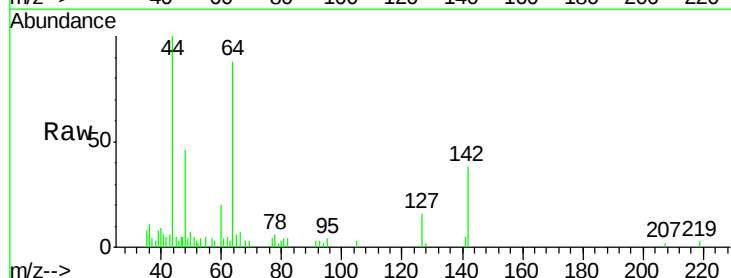
Tgt Ion:142 Resp: 1667

Ion Ratio Lower Upper

142 100

127 44.9 36.6 55.0

141 21.1 11.3 16.9#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

1000

800

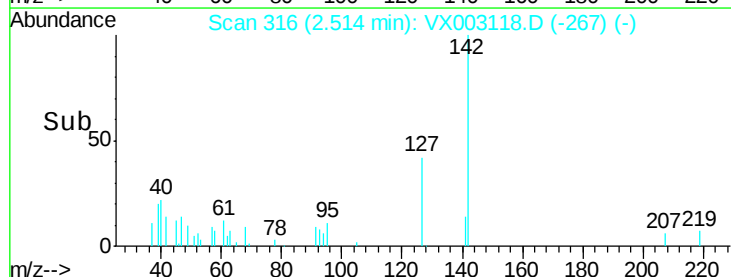
600

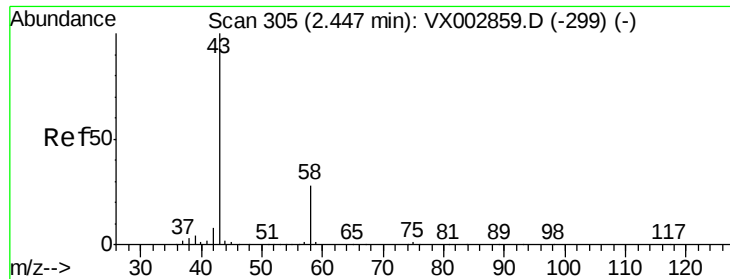
400

200

0

Time--> 2.45 2.50 2.55 2.60





#16

Acetone

Concen: 2.931 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.00 min

Lab File: VX003118.D

Acq: 01 Jul 2018 09:59

Instrument :

MSVOA_X

ClientSampleId :

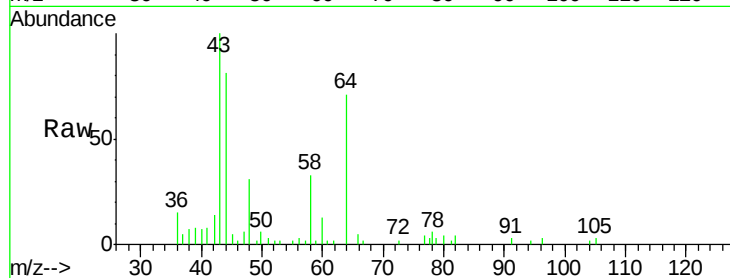
ULMW-02

Tgt Ion: 43 Resp: 4830

Ion Ratio Lower Upper

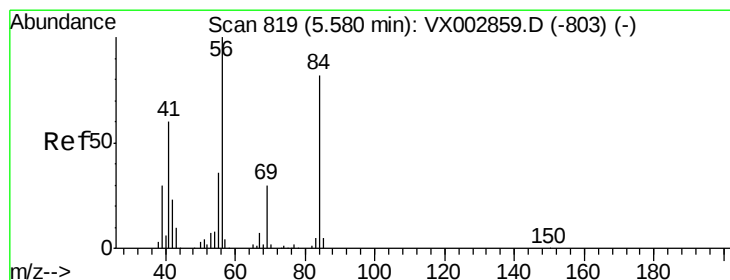
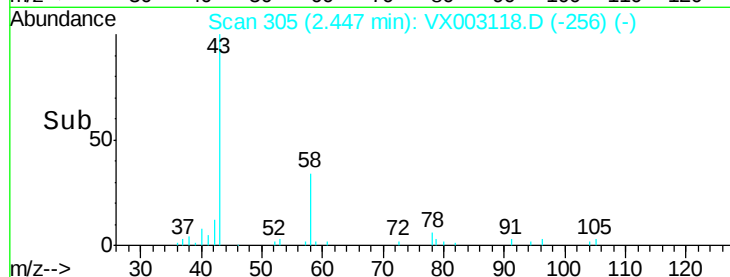
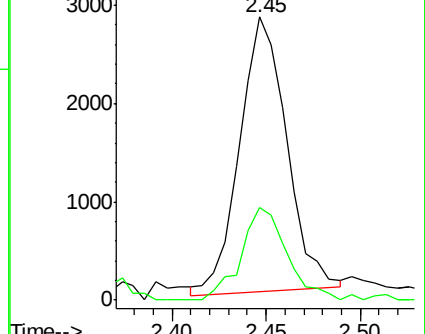
43 100

58 34.5 22.1 33.1#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#31

Cyclohexane

Concen: 0.721 ug/l

RT: 5.58 min Scan# 819

Delta R.T. -0.00 min

Lab File: VX003118.D

Acq: 01 Jul 2018 09:59

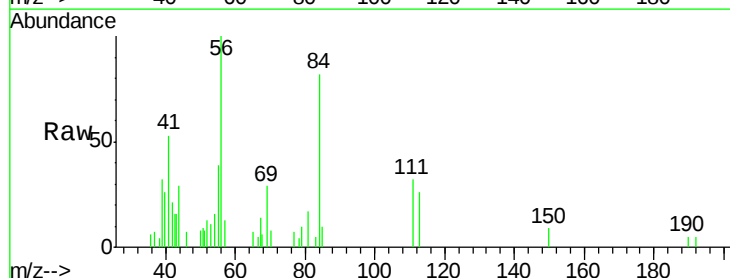
Tgt Ion: 56 Resp: 3598

Ion Ratio Lower Upper

56 100

69 28.8 23.7 35.5

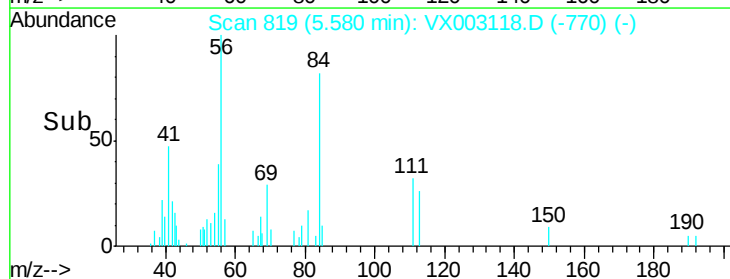
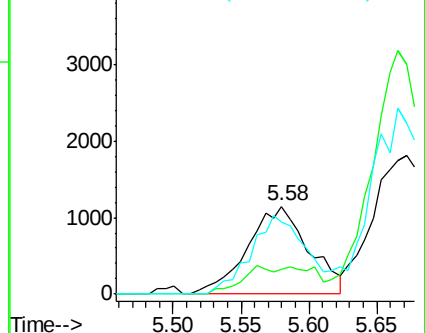
84 82.2 64.1 96.1

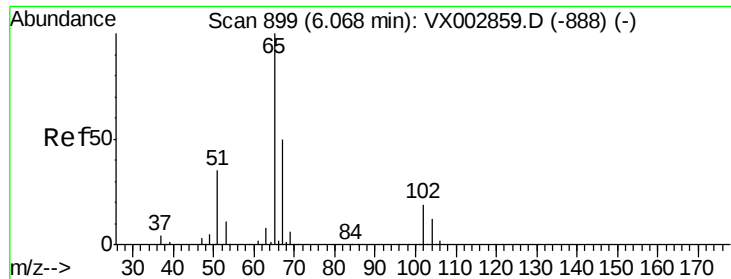


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 46.726 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.01 min

Lab File: VX003118.D

Acq: 01 Jul 2018 09:59

Instrument :

MSVOA_X

ClientSampleId :

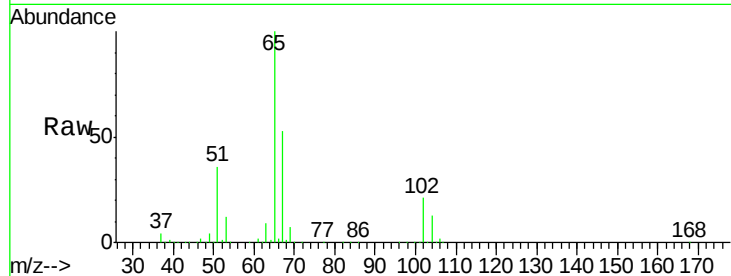
ULMW-02

Tgt Ion: 65 Resp: 185930

Ion Ratio Lower Upper

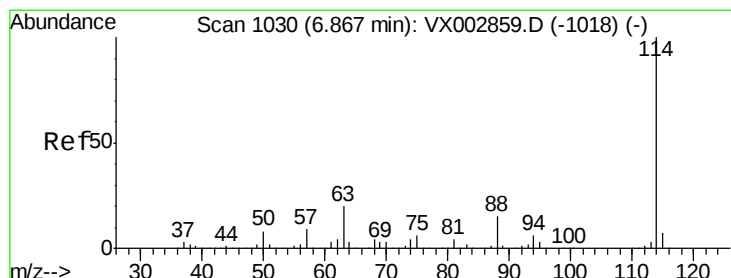
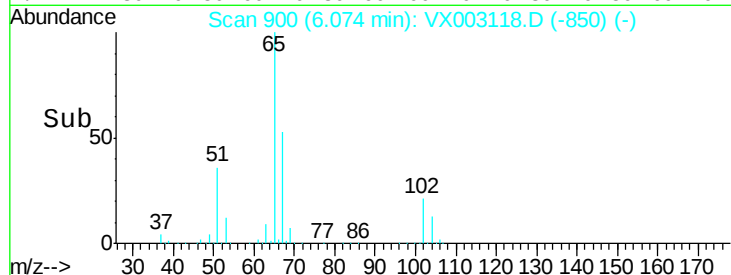
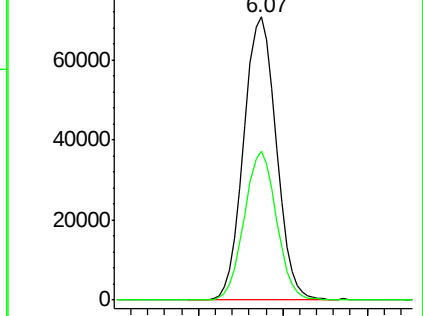
65 100

67 51.8 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VX003118.D

Acq: 01 Jul 2018 09:59

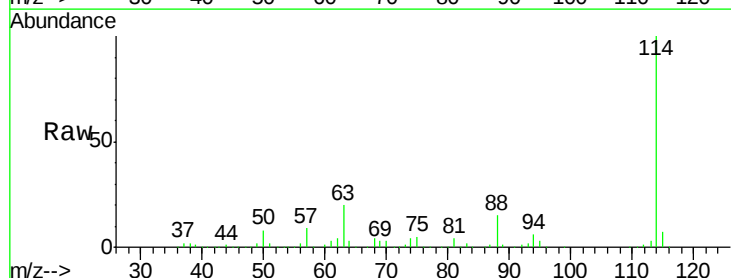
Tgt Ion: 114 Resp: 401589

Ion Ratio Lower Upper

114 100

63 20.0 0.0 41.4

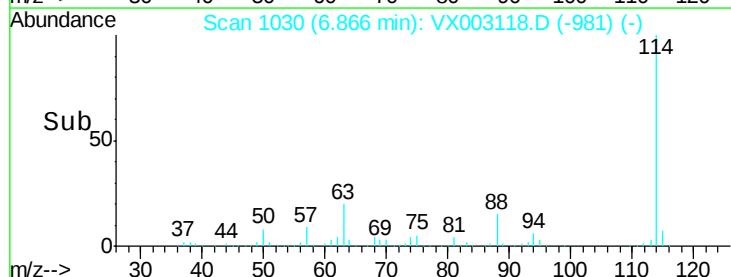
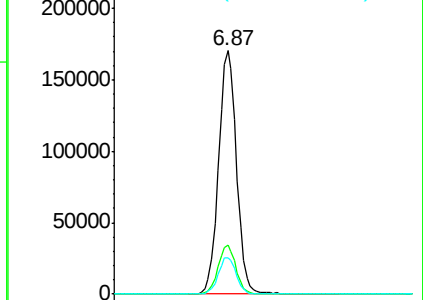
88 15.1 0.0 30.0

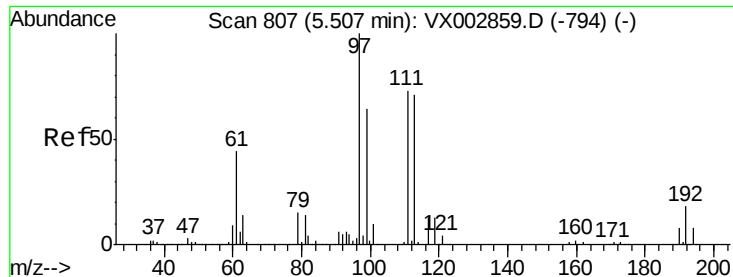


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

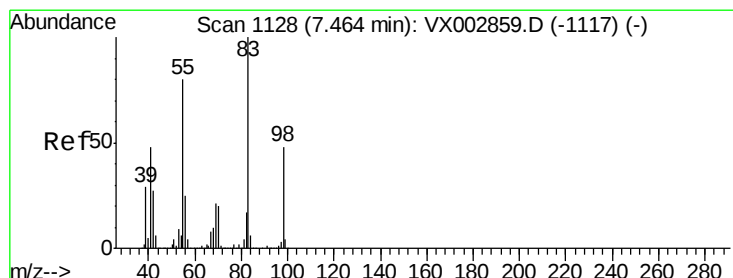
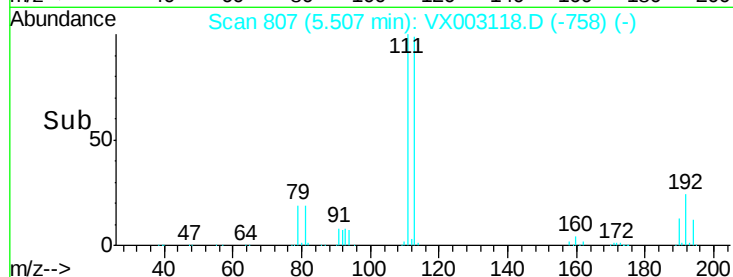
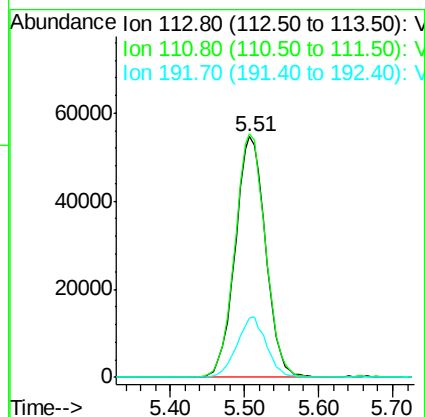
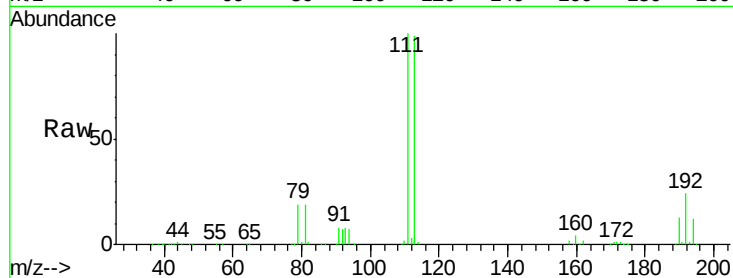




#35
 Dibromofluoromethane
 Concen: 49.051 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. -0.00 min
 Lab File: VX003118.D
 Acq: 01 Jul 2018 09:59

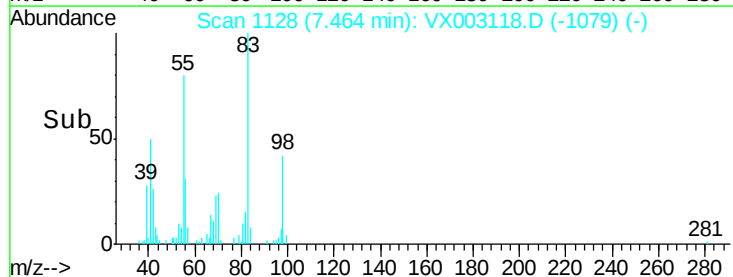
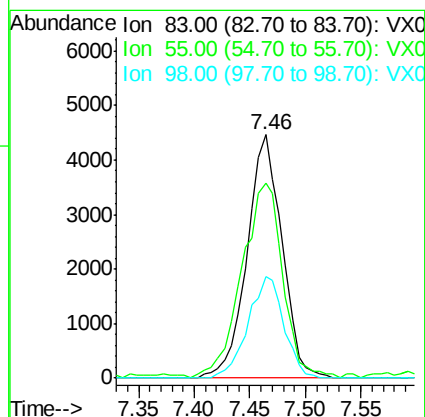
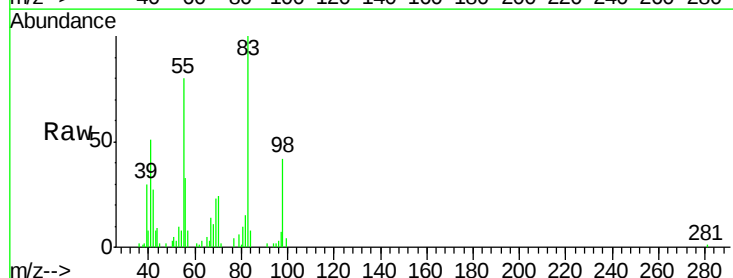
Instrument :
 MSVOA_X
 ClientSampleId :
 ULMW-02

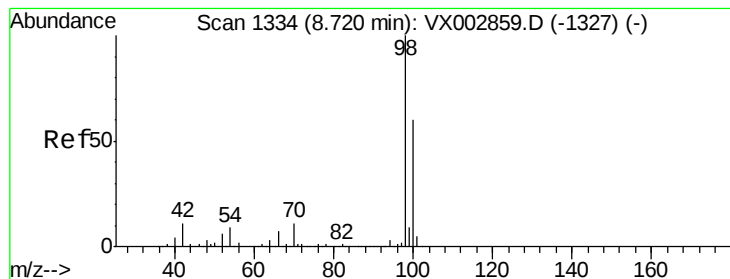
Tgt Ion:113 Resp: 155994
 Ion Ratio Lower Upper
 113 100
 111 101.7 81.4 122.0
 192 24.4 19.1 28.7



#39
 Methylcyclohexane
 Concen: 1.901 ug/l
 RT: 7.46 min Scan# 1128
 Delta R.T. -0.00 min
 Lab File: VX003118.D
 Acq: 01 Jul 2018 09:59

Tgt Ion: 83 Resp: 9750
 Ion Ratio Lower Upper
 83 100
 55 80.3 65.4 98.0
 98 41.9 37.4 56.0





#50

Toluene-d8

Concen: 48.671 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX003118.D

Acq: 01 Jul 2018 09:59

Instrument :

MSVOA_X

ClientSampleId :

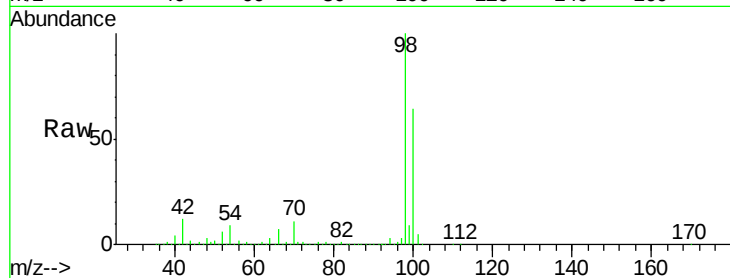
ULMW-02

Tgt Ion: 98 Resp: 565229

Ion Ratio Lower Upper

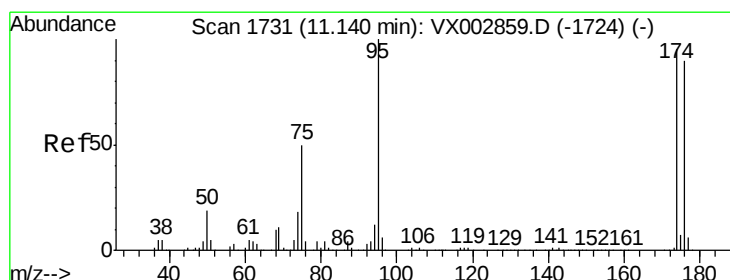
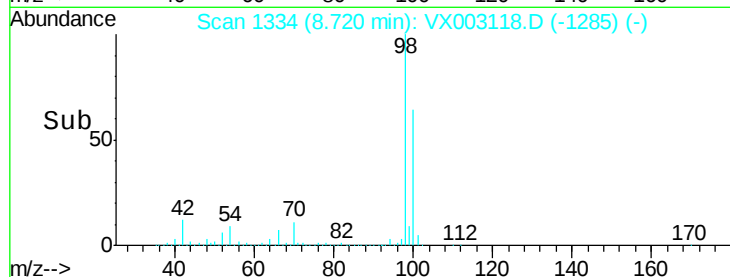
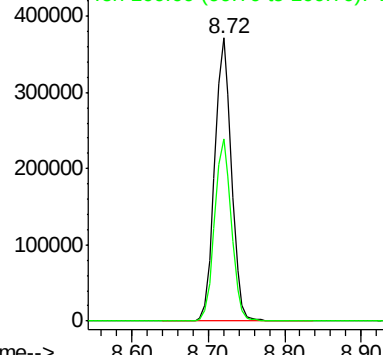
98 100

100 64.5 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



#62

4-Bromofluorobenzene

Concen: 46.847 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003118.D

Acq: 01 Jul 2018 09:59

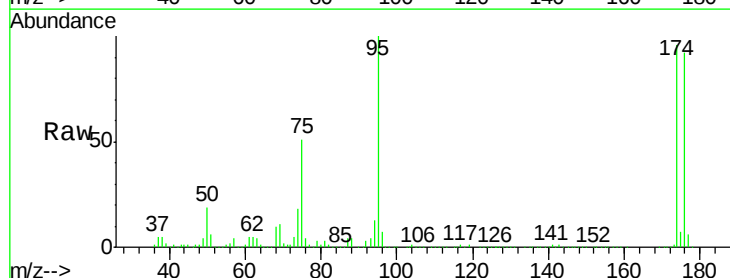
Tgt Ion: 95 Resp: 209818

Ion Ratio Lower Upper

95 100

174 97.3 0.0 187.4

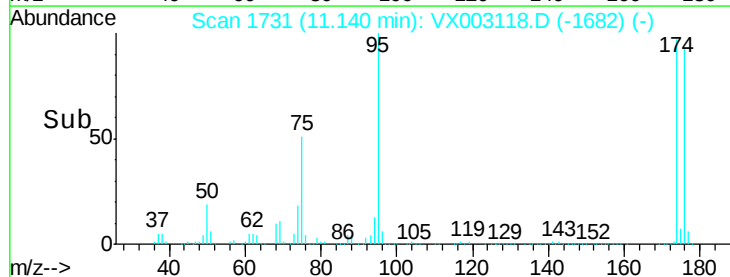
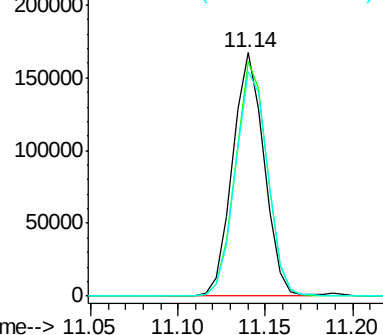
176 95.0 0.0 181.0

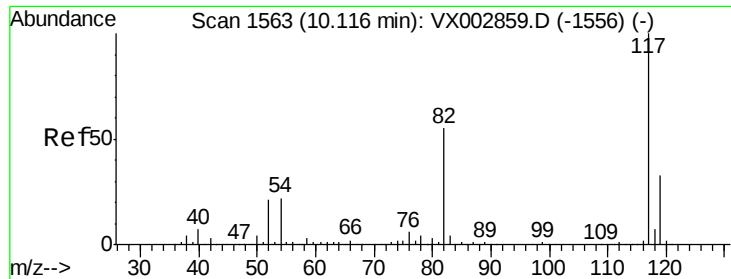


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

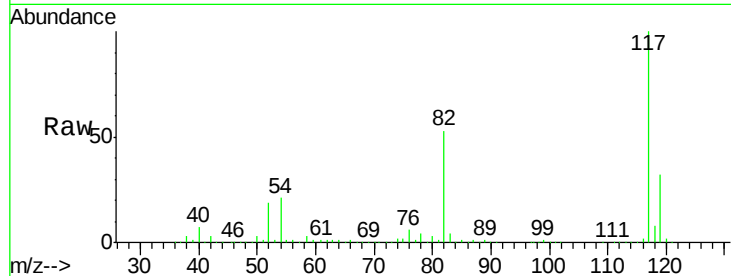




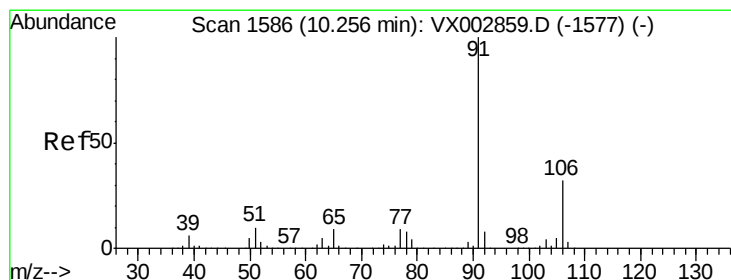
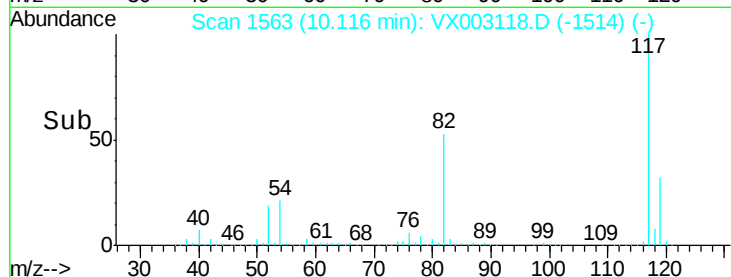
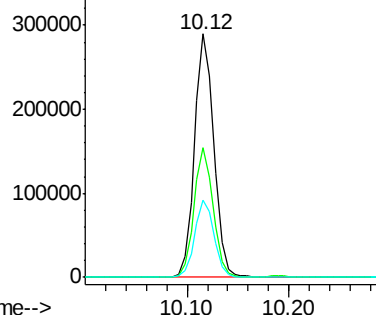
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX003118.D
Acq: 01 Jul 2018 09:59

Instrument :
MSVOA_X
ClientSampleId :
ULMW-02

Tgt Ion: 117 Resp: 381196
Ion Ratio Lower Upper
117 100
82 53.1 45.0 67.4
119 31.5 25.8 38.6

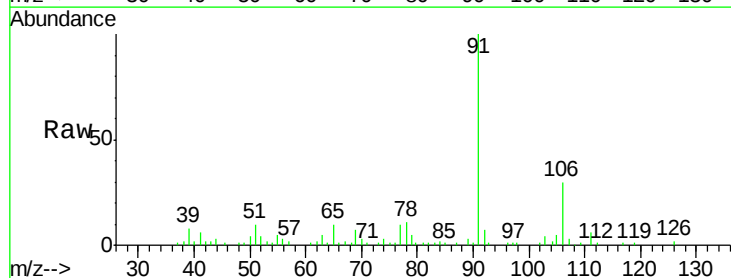


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

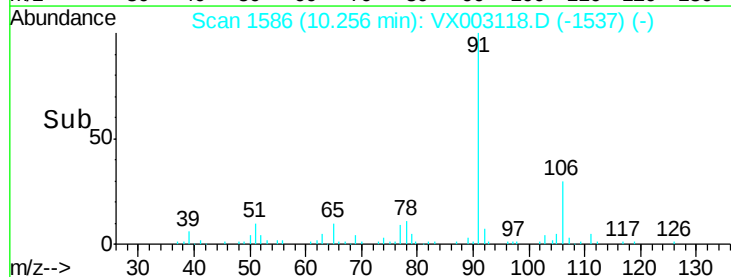
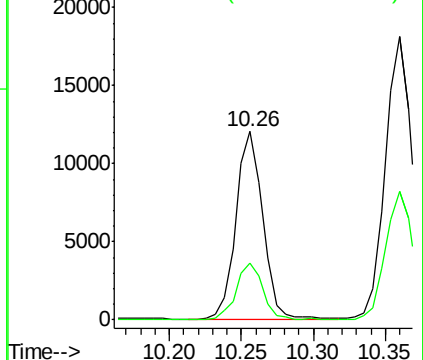


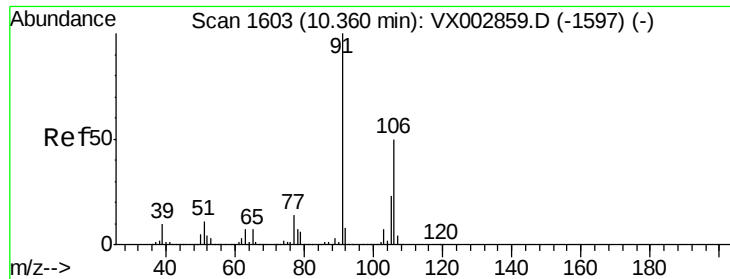
#67
Ethyl Benzene
Concen: 1.000 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VX003118.D
Acq: 01 Jul 2018 09:59

Tgt Ion: 91 Resp: 15993
Ion Ratio Lower Upper
91 100
106 30.3 25.5 38.3



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

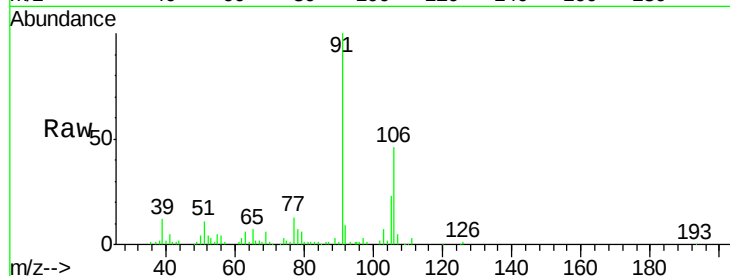




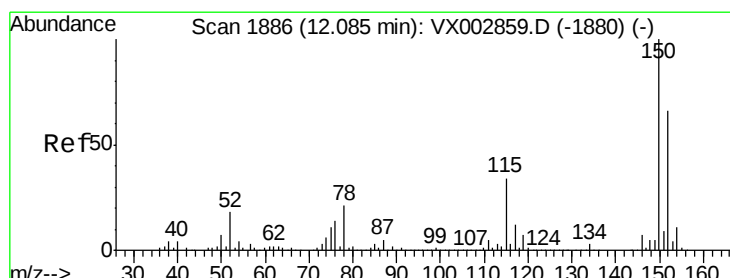
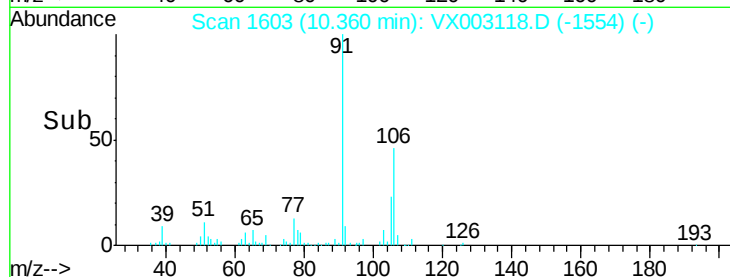
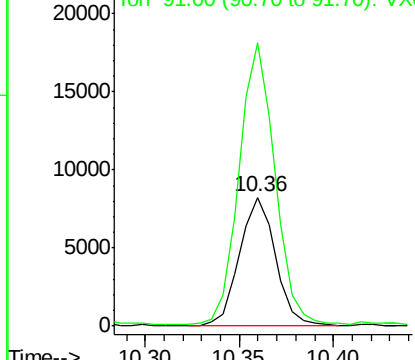
#68
m/p-Xylenes
Concen: 1.787 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VX003118.D
Acq: 01 Jul 2018 09:59

Instrument :
MSVOA_X
ClientSampleId :
ULMW-02

Tgt Ion:106 Resp: 11017
Ion Ratio Lower Upper
106 100
91 215.6 163.4 245.2

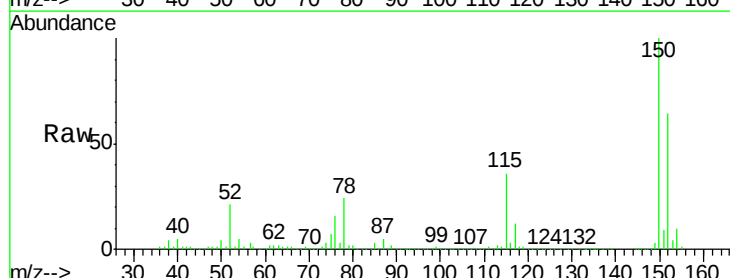


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX

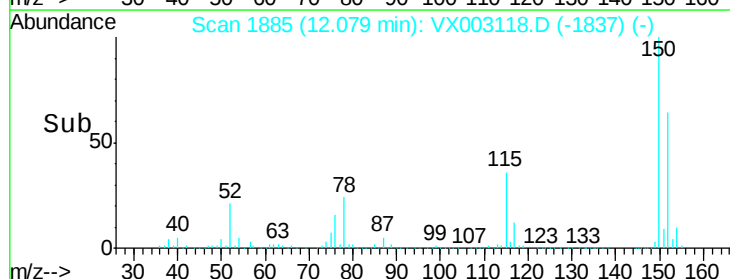
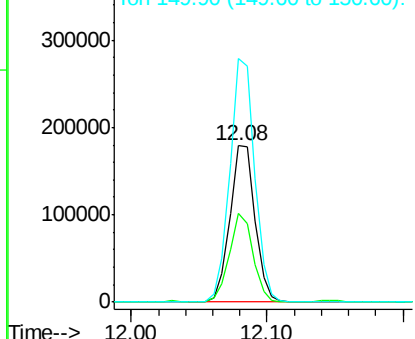


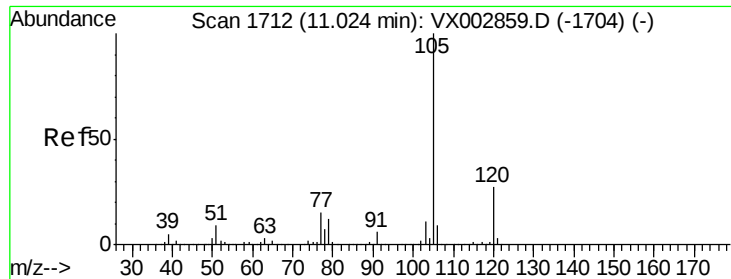
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. -0.01 min
Lab File: VX003118.D
Acq: 01 Jul 2018 09:59

Tgt Ion:152 Resp: 229166
Ion Ratio Lower Upper
152 100
115 53.6 40.1 120.2
150 154.7 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: 1.406 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. -0.01 min

Lab File: VX003118.D

Acq: 01 Jul 2018 09:59

Instrument :

MSVOA_X

ClientSampleId :

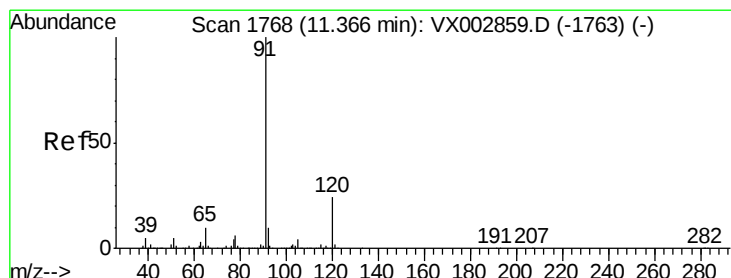
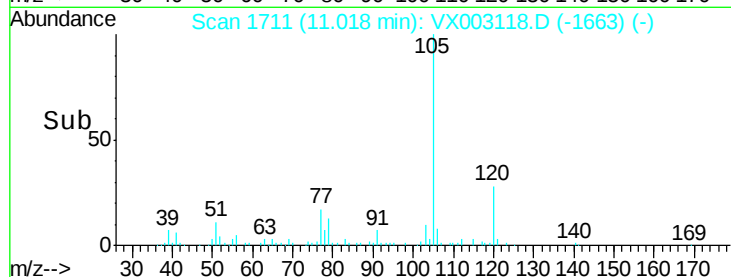
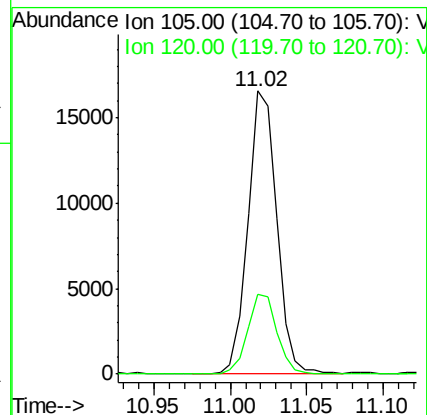
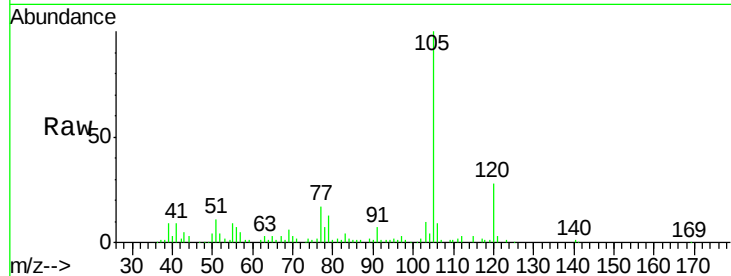
ULMW-02

Tgt Ion: 105 Resp: 21680

Ion Ratio Lower Upper

105 100

120 28.7 13.5 40.4



#78

n-propylbenzene

Concen: 2.507 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX003118.D

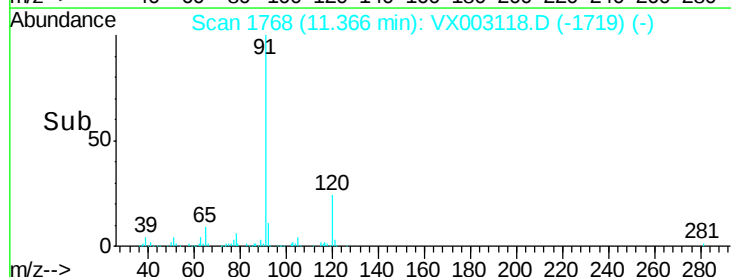
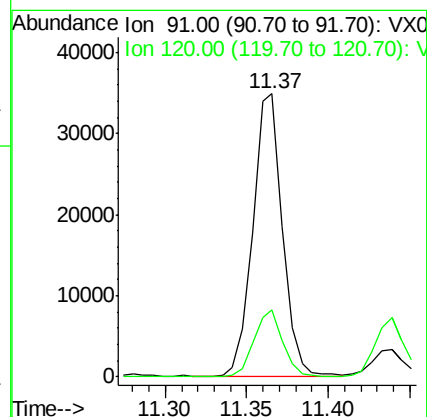
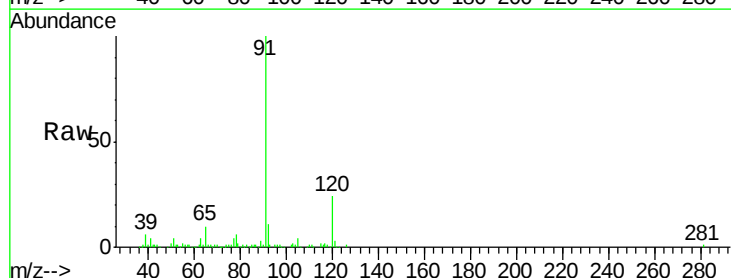
Acq: 01 Jul 2018 09:59

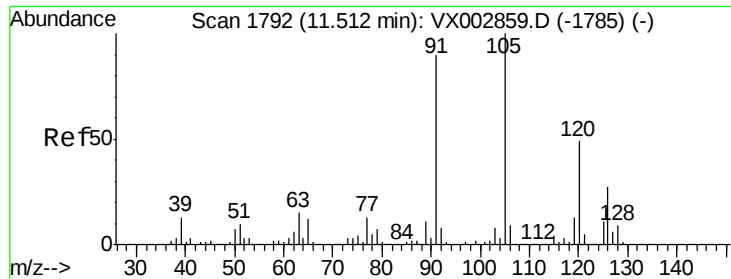
Tgt Ion: 91 Resp: 43990

Ion Ratio Lower Upper

91 100

120 23.1 11.8 35.4

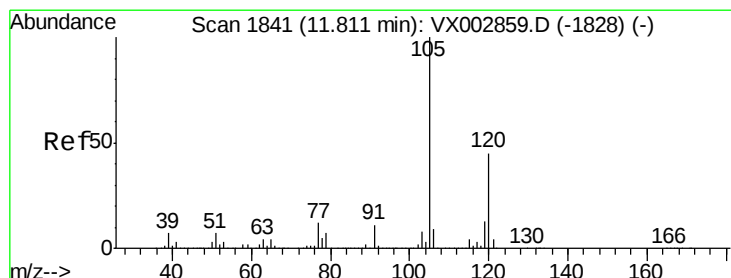
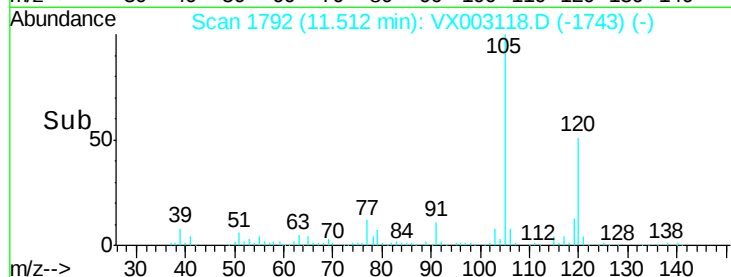
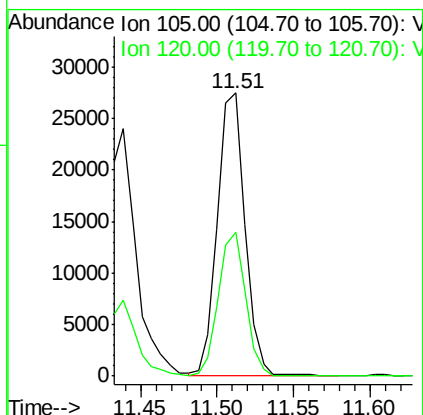
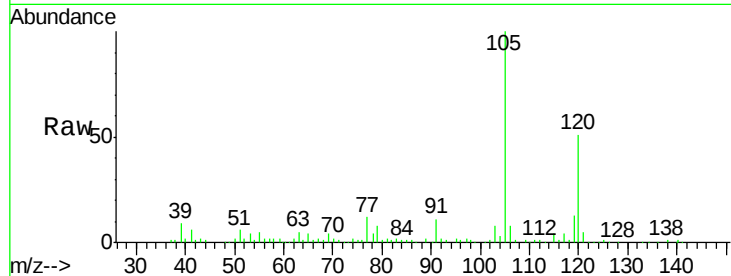




#80
 1,3,5-Trimethylbenzene
 Concen: 2.650 ug/l
 RT: 11.51 min Scan# 1792
 Delta R.T. -0.00 min
 Lab File: VX003118.D
 Acq: 01 Jul 2018 09:59

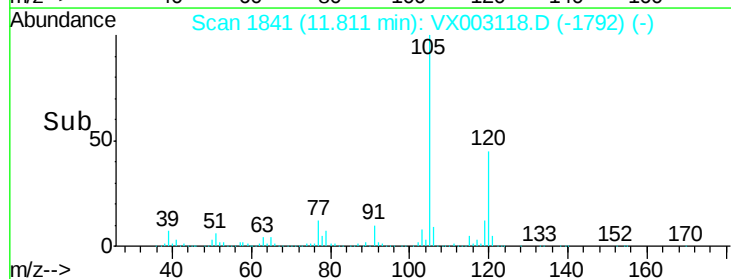
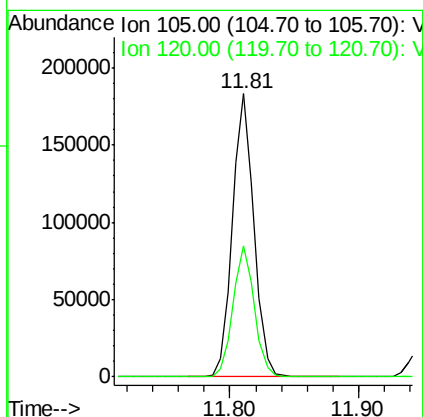
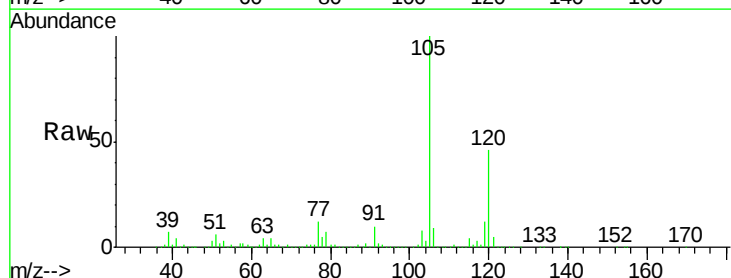
Instrument :
 MSVOA_X
 ClientSampleId :
 ULMW-02

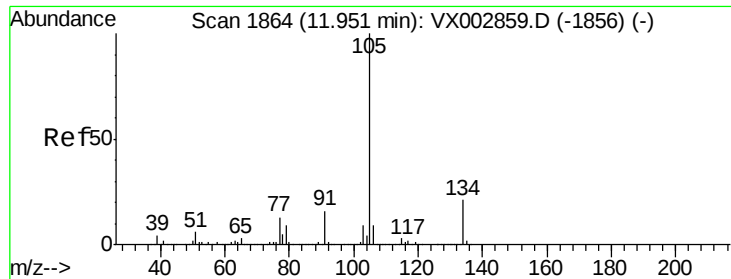
Tgt Ion:105 Resp: 34406
 Ion Ratio Lower Upper
 105 100
 120 50.6 24.4 73.4



#84
 1,2,4-Trimethylbenzene
 Concen: 15.864 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX003118.D
 Acq: 01 Jul 2018 09:59

Tgt Ion:105 Resp: 213423
 Ion Ratio Lower Upper
 105 100
 120 46.3 22.3 66.8

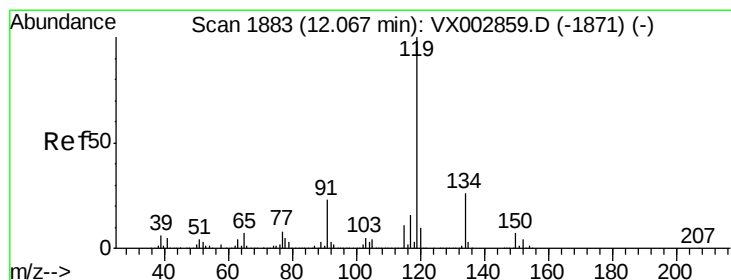
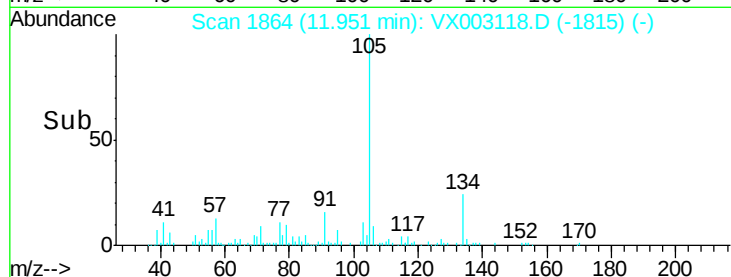
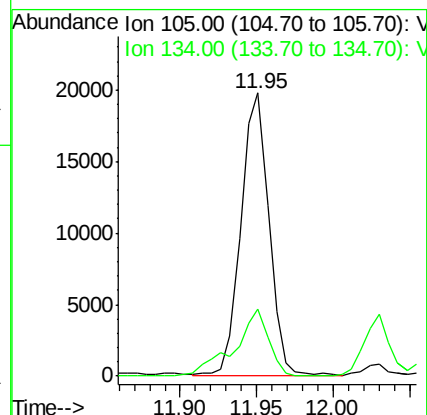
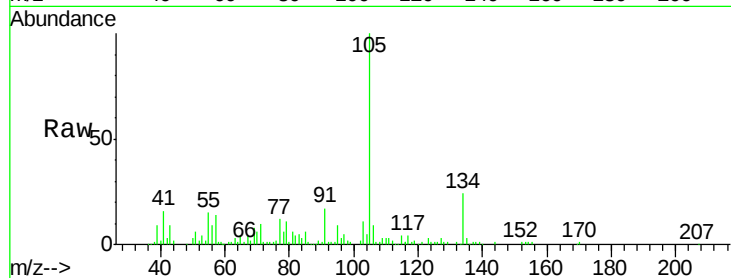




#85
 sec-Butylbenzene
 Concen: 1.604 ug/l
 RT: 11.95 min Scan# 1864
 Delta R.T. -0.00 min
 Lab File: VX003118.D
 Acq: 01 Jul 2018 09:59

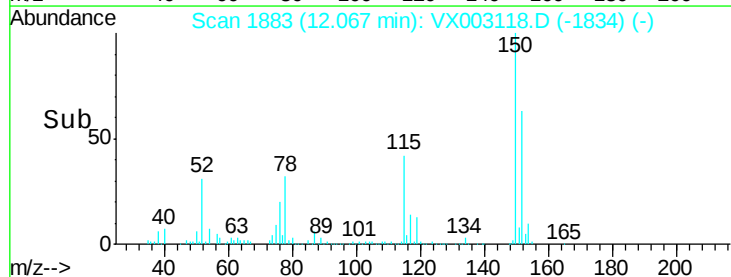
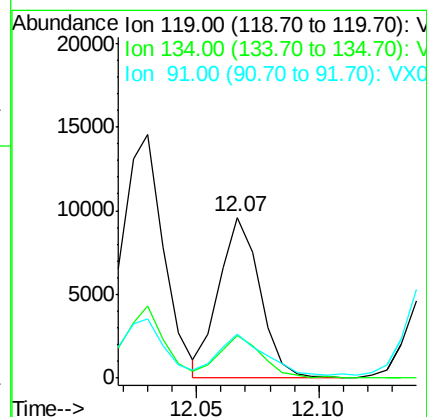
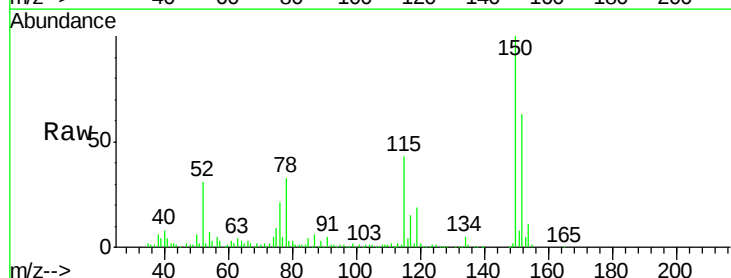
Instrument :
 MSVOA_X
 ClientSampleId :
 ULMW-02

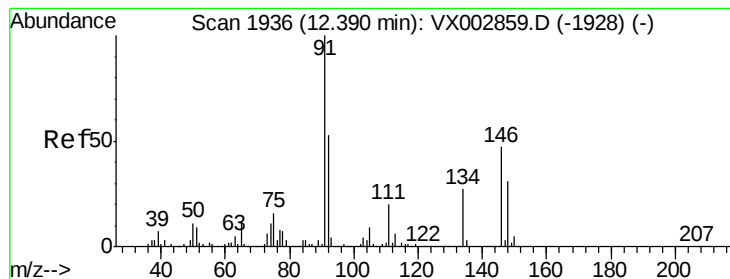
Tgt Ion:105 Resp: 24899
 Ion Ratio Lower Upper
 105 100
 134 29.6 10.4 31.1



#86
 p-Isopropyltoluene
 Concen: 0.806 ug/l
 RT: 12.07 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VX003118.D
 Acq: 01 Jul 2018 09:59

Tgt Ion:119 Resp: 11248
 Ion Ratio Lower Upper
 119 100
 134 27.8 13.4 40.1
 91 28.0 11.9 35.7





#89

n-Butylbenzene

Concen: 1.984 ug/l

RT: 12.39 min Scan# 1936

Delta R.T. -0.00 min

Lab File: VX003118.D

Acq: 01 Jul 2018 09:59

Instrument :

MSVOA_X

ClientSampleId :

ULMW-02

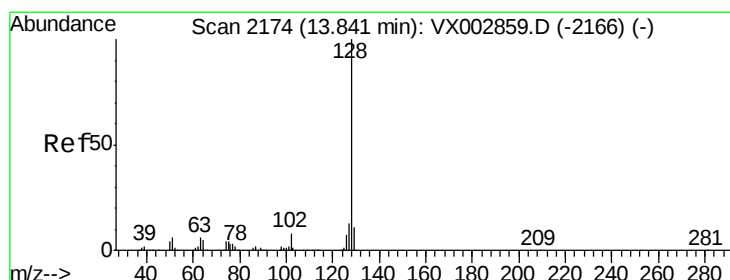
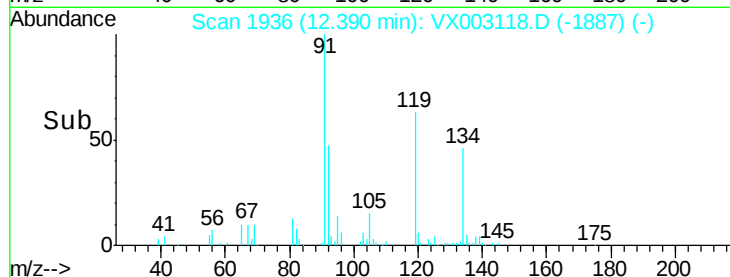
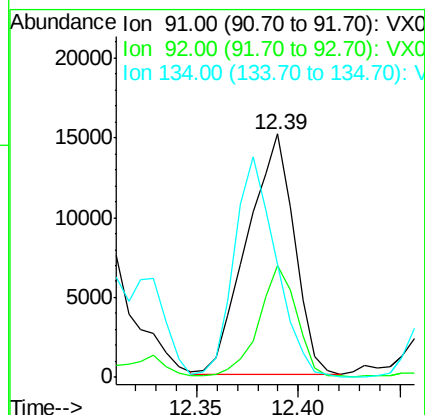
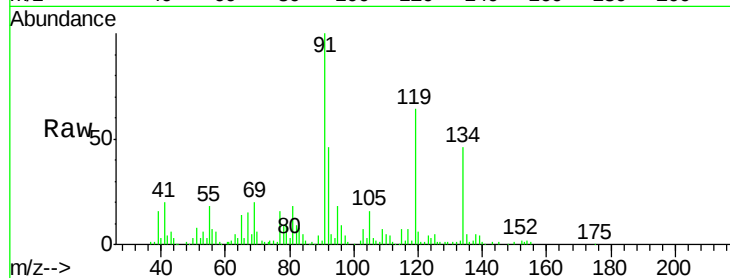
Tgt Ion: 91 Resp: 24101

Ion Ratio Lower Upper

91 100

92 38.3 26.0 78.0

134 81.9 13.5 40.5#



#95

Naphthalene

Concen: 1.973 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX003118.D

Acq: 01 Jul 2018 09:59

Tgt Ion: 128 Resp: 30953

Ion Ratio Lower Upper

128 100

127 17.1 10.4 15.6#

129 14.5 8.6 13.0#

