

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX021219\
 Data File : VX007493.D
 Acq On : 12 Feb 2019 17:16
 Operator : JC/SP
 Sample : K1457-08
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 IDW-LIQUID-02

Quant Time: Feb 13 01:13:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X020119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Feb 02 01:32:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	543962	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	842724	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	777322	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	386113	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	285226	49.40	ug/l	0.00
Spiked Amount			Recovery	=	98.80%	
35) Dibromofluoromethane	5.51	113	263831	48.12	ug/l	0.00
Spiked Amount			Recovery	=	96.24%	
50) Toluene-d8	8.71	98	996501	48.98	ug/l	0.00
Spiked Amount			Recovery	=	97.96%	
62) 4-Bromofluorobenzene	11.13	95	361718	48.70	ug/l	0.00
Spiked Amount			Recovery	=	97.40%	

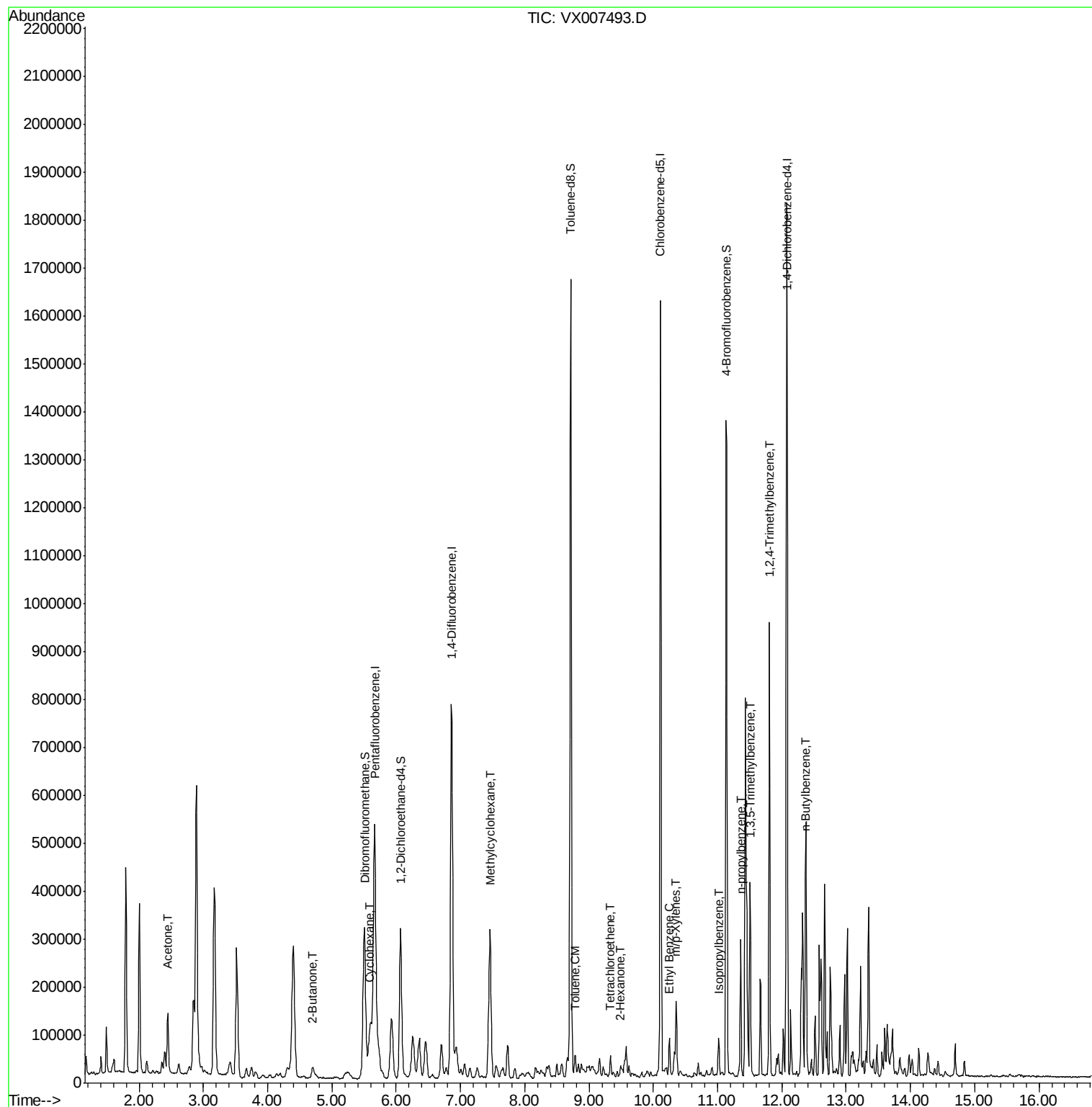
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.45	43	132958	50.272	ug/l	98
25) 2-Butanone	4.70	43	44173	11.736	ug/l	99
31) Cyclohexane	5.59	56	59993	7.472	ug/l #	88
39) Methylcyclohexane	7.46	83	142088	15.532	ug/l	99
52) Toluene	8.79	92	15637	1.088	ug/l	91
59) 2-Hexanone	9.49	43	7996	1.323	ug/l	76
64) Tetrachloroethene	9.34	164	8847	1.208	ug/l	92
67) Ethyl Benzene	10.25	91	44674	1.635	ug/l	94
68) m/p-Xylenes	10.36	106	38029	3.502	ug/l	97
73) Isopropylbenzene	11.02	105	36472	1.390	ug/l	98
78) n-propylbenzene	11.36	91	167434	5.819	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	170993	7.966	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	413319	18.965	ug/l	98
89) n-Butylbenzene	12.38	91	76151	3.812	ug/l #	21

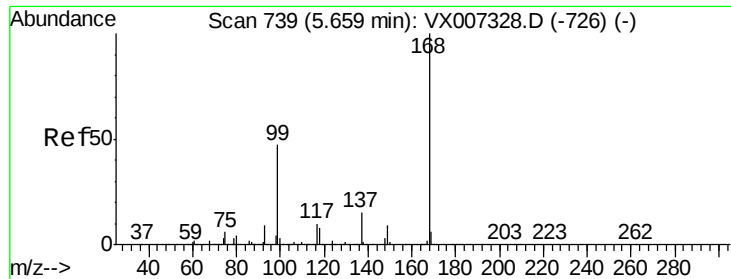
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX007493.D

Acq: 12 Feb 2019 17:16

Instrument :

MSVOA_X

ClientSampleId :

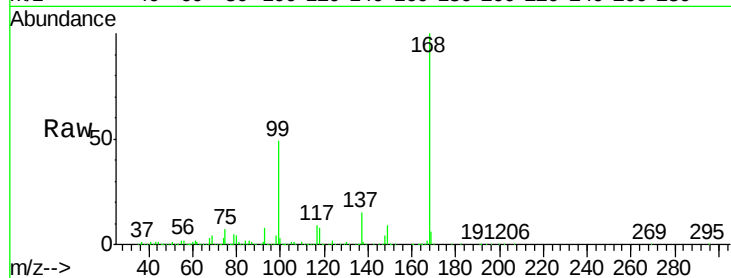
IDW-LIQUID-02

Tot Ion:168 Resp: 543962

Ion Ratio Lower Upper

168 100

99 49.1 37.9 56.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

200000

150000

100000

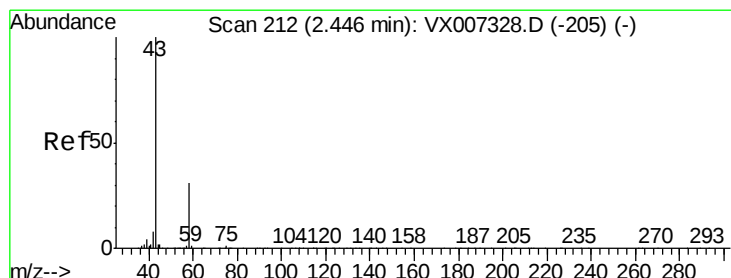
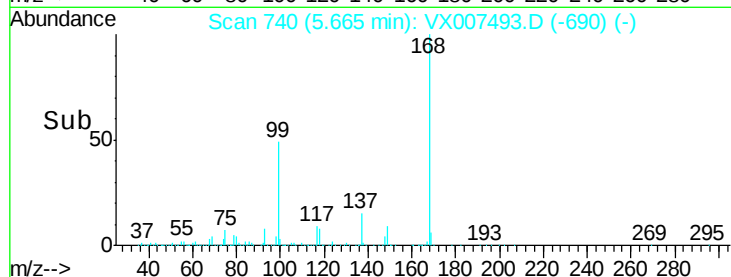
50000

0

5.67

5.50 5.60 5.70 5.80

Time-->



#16

Acetone

Concen: 50.272 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX007493.D

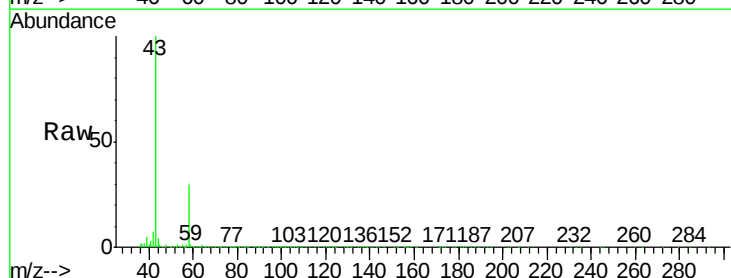
Acq: 12 Feb 2019 17:16

Tgt Ion: 43 Resp: 132958

Ion Ratio Lower Upper

43 100

58 29.8 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

80000

60000

40000

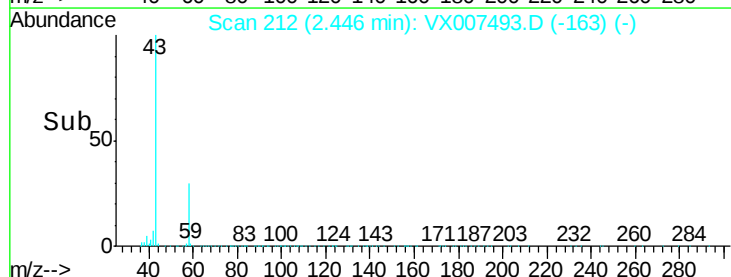
20000

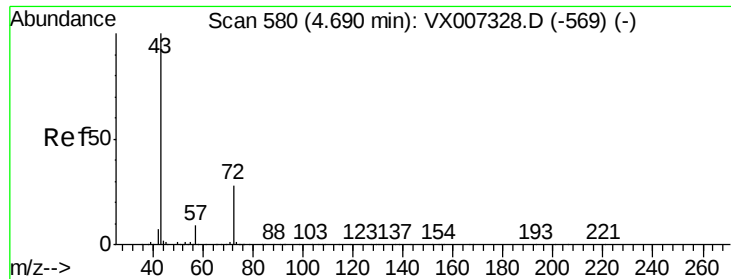
0

2.45

2.40 2.45 2.50 2.55

Time-->





#25

2-Butanone

Concen: 11.736 ug/l

RT: 4.70 min Scan# 582

Delta R.T. 0.01 min

Lab File: VX007493.D

Acq: 12 Feb 2019 17:16

Instrument :

MSVOA_X

ClientSampleId :

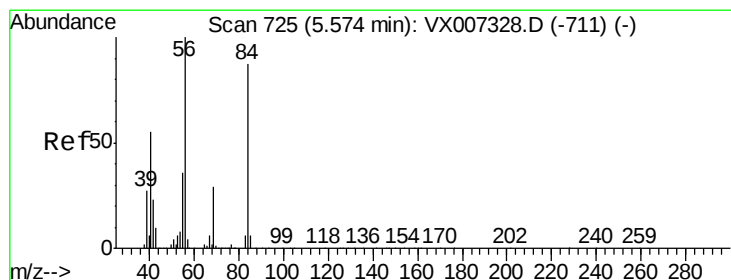
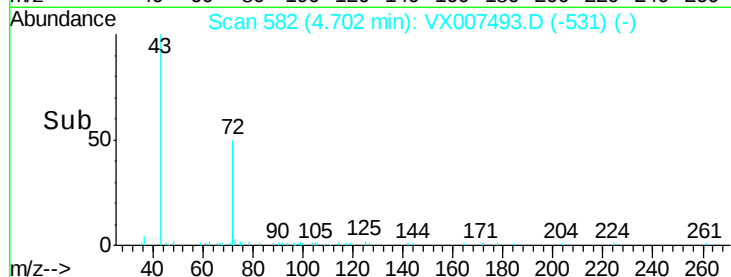
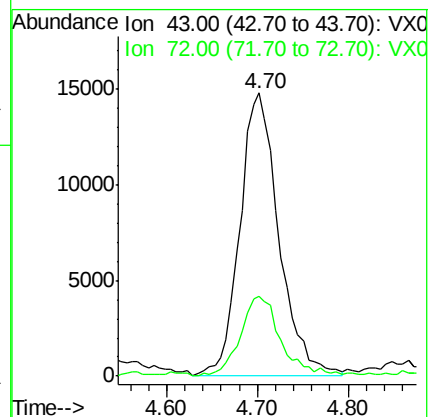
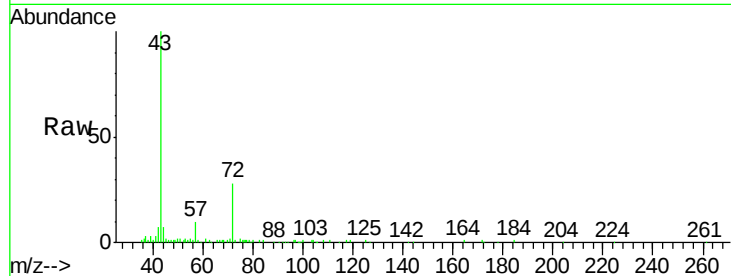
IDW-LIQUID-02

Tot Ion: 43 Resp: 44173

Ion Ratio Lower Upper

43 100

72 28.1 22.2 33.2



#31

Cyclohexane

Concen: 7.472 ug/l

RT: 5.59 min Scan# 727

Delta R.T. 0.01 min

Lab File: VX007493.D

Acq: 12 Feb 2019 17:16

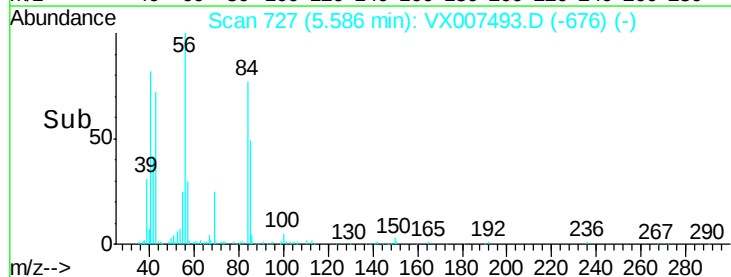
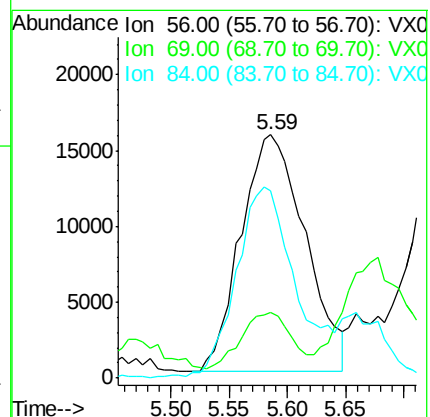
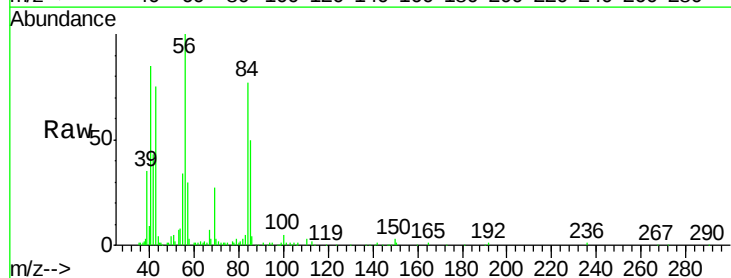
Tgt Ion: 56 Resp: 59993

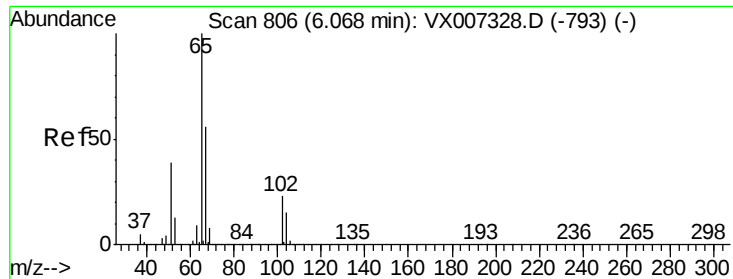
Ion Ratio Lower Upper

56 100

69 22.7 23.0 34.6#

84 76.5 69.8 104.6





#33

1,2-Dichloroethane-d4

Concen: 49.401 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX007493.D

Acq: 12 Feb 2019 17:16

Instrument :

MSVOA_X

ClientSampleId :

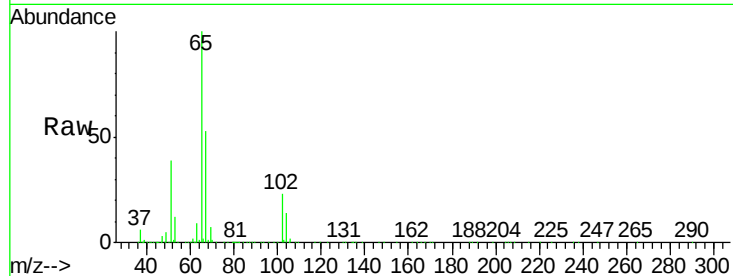
IDW-LIQUID-02

Tot Ion: 65 Resp: 285226

Ion Ratio Lower Upper

65 100

67 53.5 0.0 108.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.07

120000

100000

80000

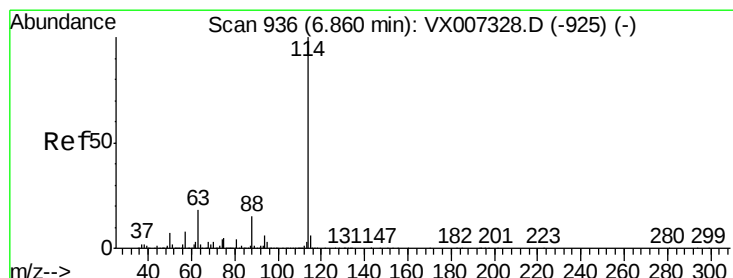
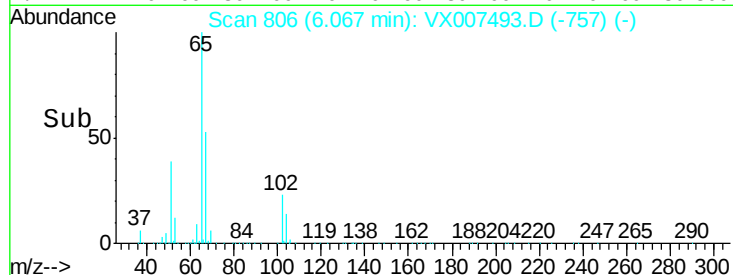
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX007493.D

Acq: 12 Feb 2019 17:16

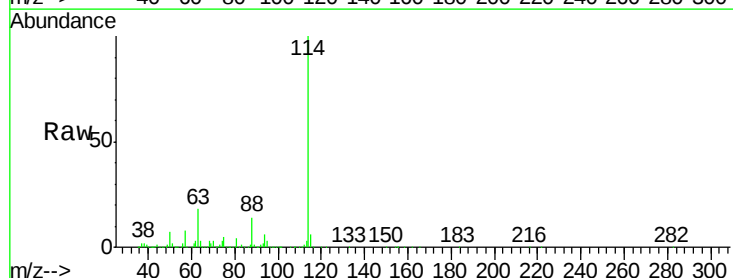
Tgt Ion: 114 Resp: 842724

Ion Ratio Lower Upper

114 100

63 18.4 0.0 35.6

88 14.5 0.0 29.6



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

6.86

500000

400000

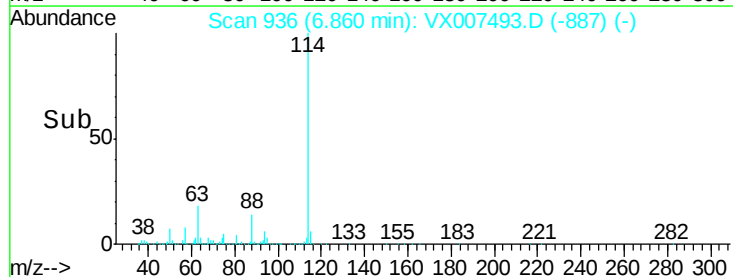
300000

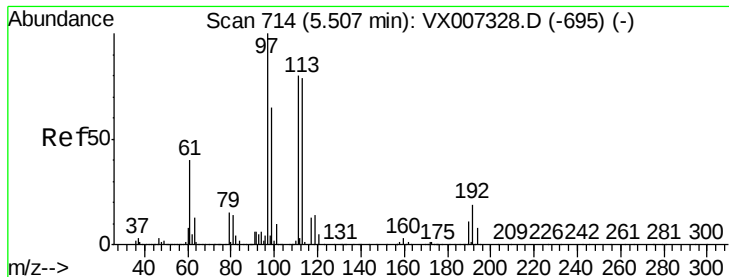
200000

100000

0

Time-->





#35

Dibromofluoromethane

Concen: 48.115 ug/l

RT: 5.51 min Scan# 714

Delta R.T. -0.00 min

Lab File: VX007493.D

Acq: 12 Feb 2019 17:16

Instrument :

MSVOA_X

ClientSampleId :

IDW-LIQUID-02

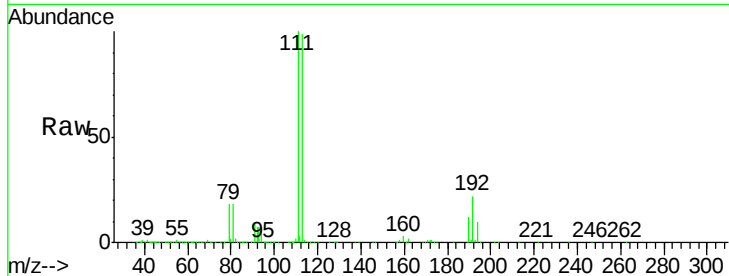
Tot Ion:113 Resp: 263831

Ion Ratio Lower Upper

113 100

111 102.2 81.8 122.8

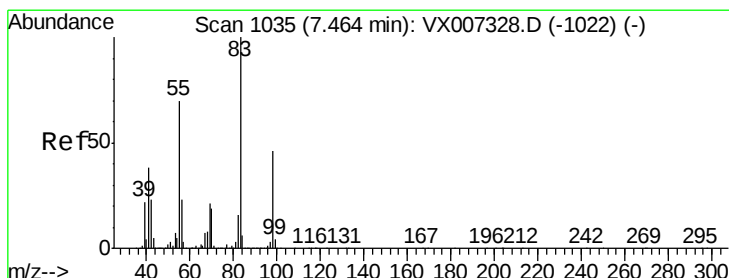
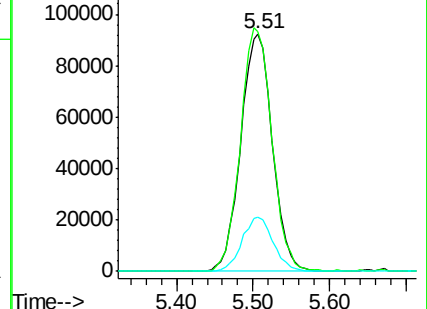
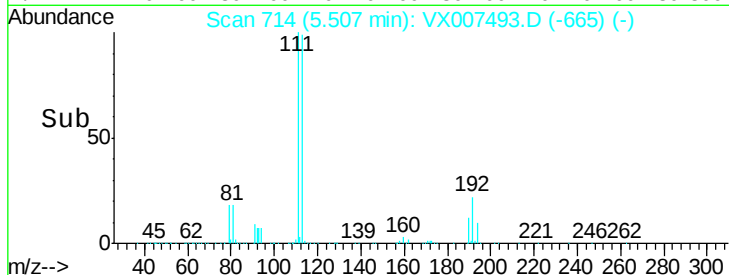
192 22.6 18.5 27.7



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: 15.532 ug/l

RT: 7.46 min Scan# 1035

Delta R.T. -0.00 min

Lab File: VX007493.D

Acq: 12 Feb 2019 17:16

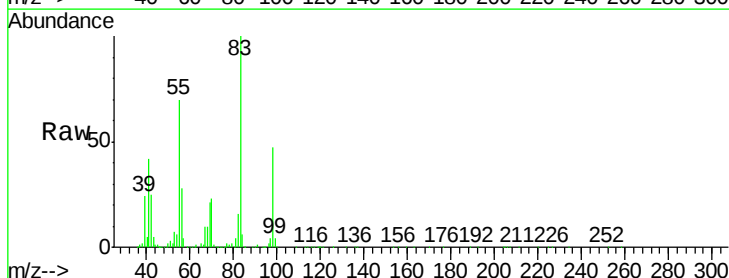
Tgt Ion: 83 Resp: 142088

Ion Ratio Lower Upper

83 100

55 69.8 56.2 84.2

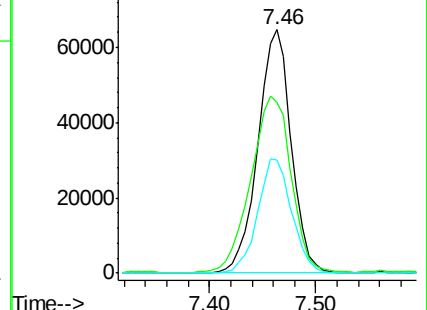
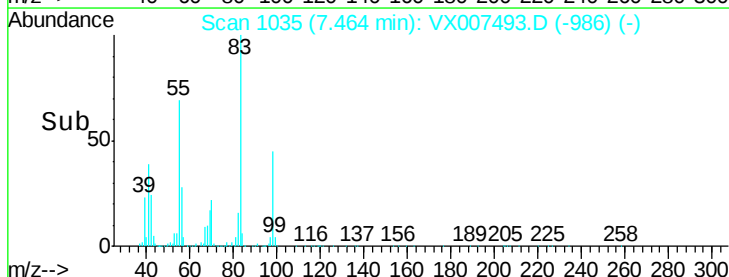
98 46.6 36.8 55.2

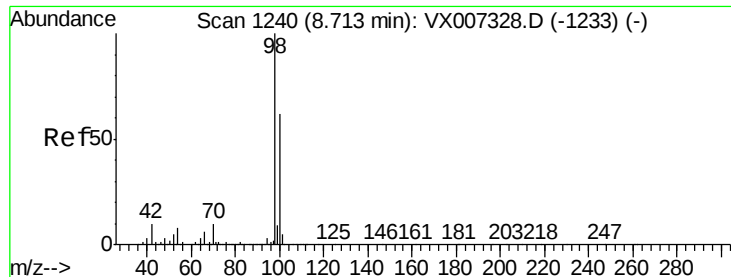


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#50

Toluene-d8

Concen: 48.983 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX007493.D

Acq: 12 Feb 2019 17:16

Instrument :

MSVOA_X

ClientSampleId :

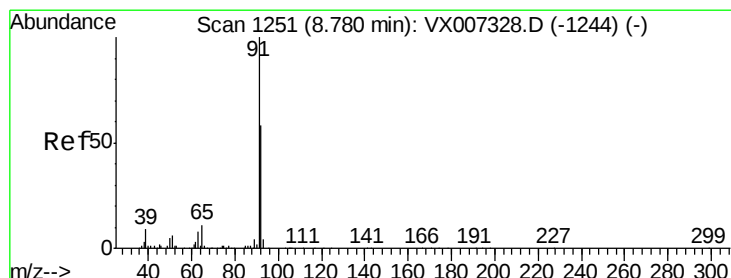
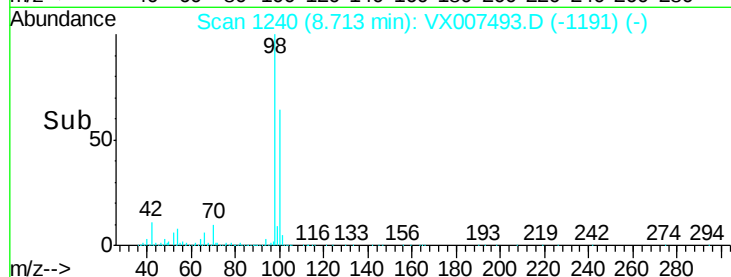
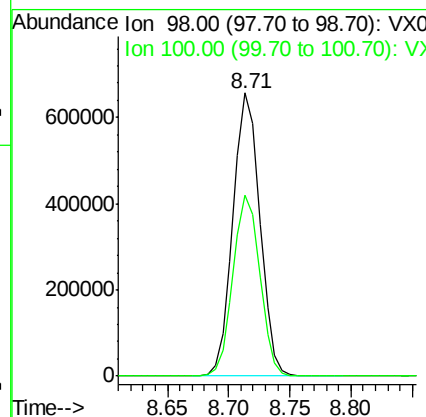
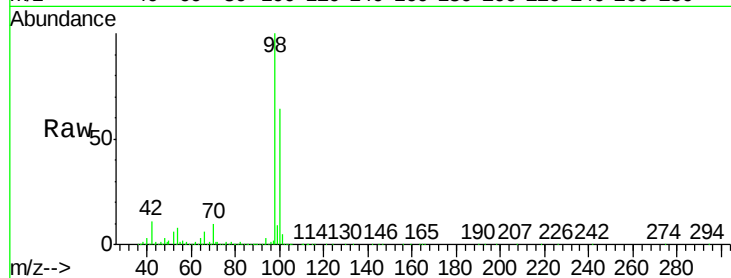
IDW-LIQUID-02

Tot Ion: 98 Resp: 996501

Ion Ratio Lower Upper

98 100

100 64.0 51.6 77.4



#52

Toluene

Concen: 1.088 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.01 min

Lab File: VX007493.D

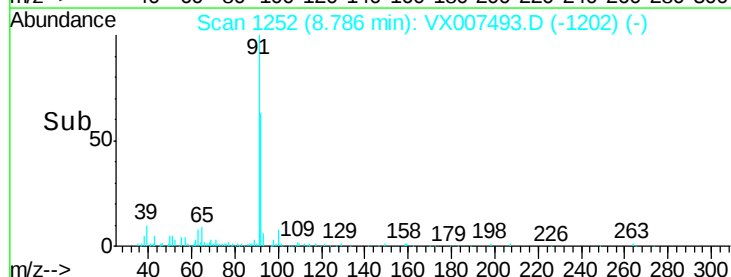
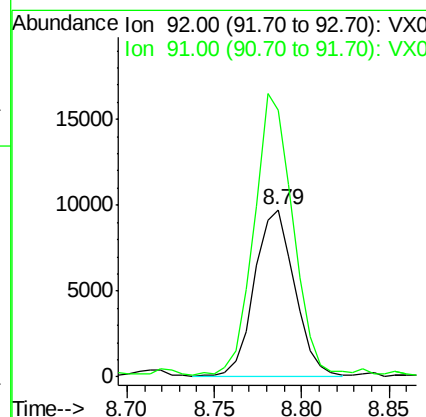
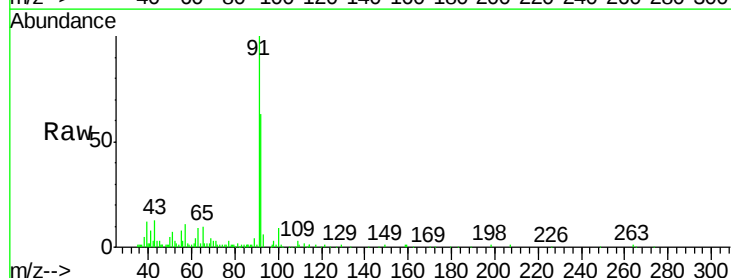
Acq: 12 Feb 2019 17:16

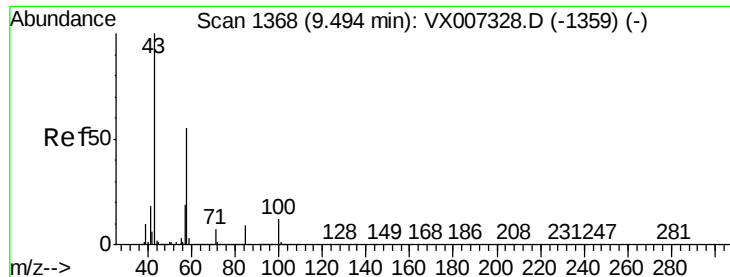
Tgt Ion: 92 Resp: 15637

Ion Ratio Lower Upper

92 100

91 161.6 139.1 208.7

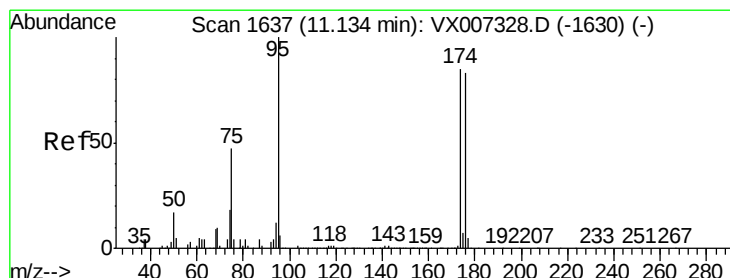
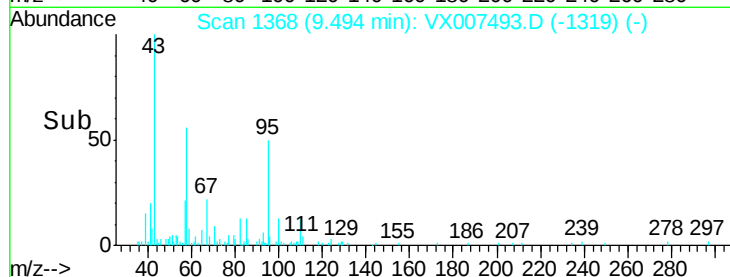
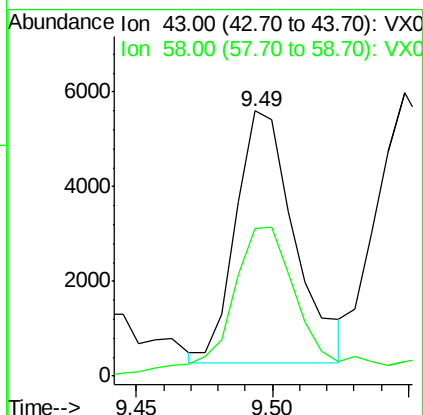
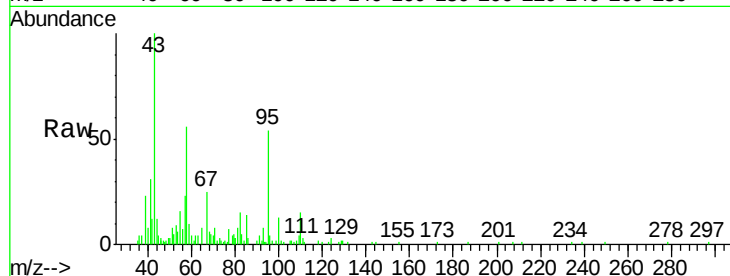




#59
2-Hexanone
Concen: 1.323 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.00 min
Lab File: VX007493.D
Acq: 12 Feb 2019 17:16

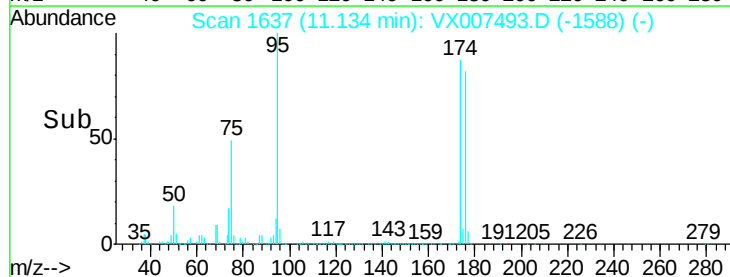
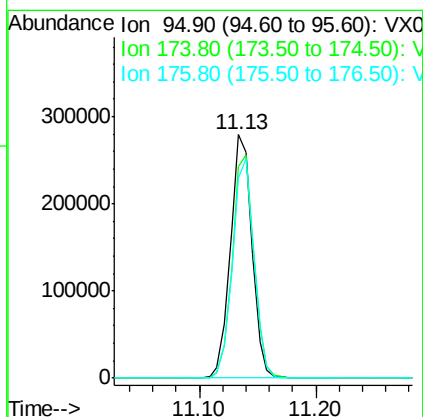
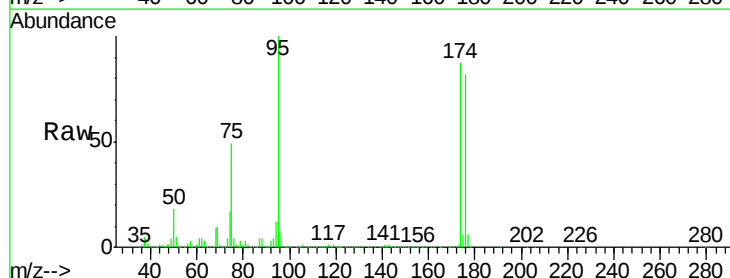
Instrument :
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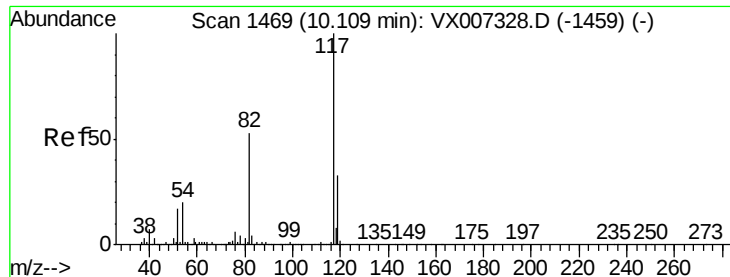
Tot Ion: 43 Resp: 7996
Ion Ratio Lower Upper
43 100
58 71.4 27.1 81.3



#62
4-Bromofluorobenzene
Concen: 48.699 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX007493.D
Acq: 12 Feb 2019 17:16

Tgt Ion: 95 Resp: 361718
Ion Ratio Lower Upper
95 100
174 92.2 0.0 189.2
176 89.5 0.0 186.2

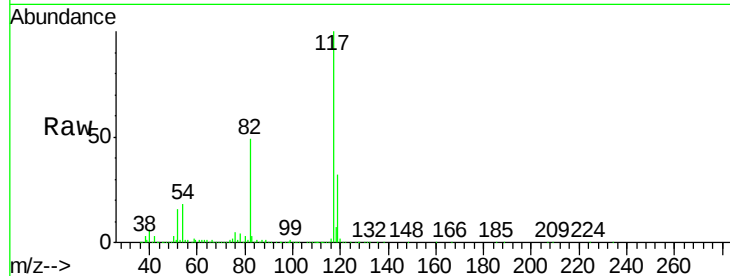




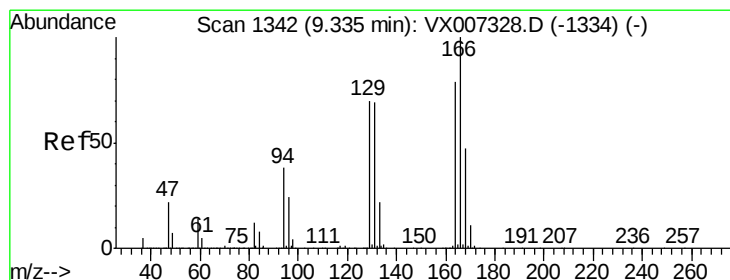
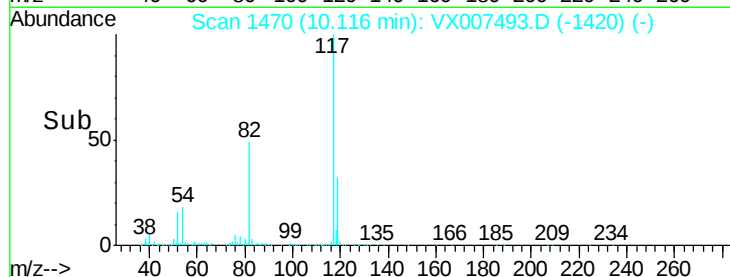
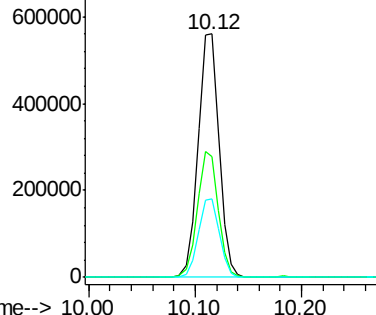
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX007493.D
Acq: 12 Feb 2019 17:16

Instrument :
MSVOA_X
ClientSampleId :
IDW-LIQUID-02

Tot Ion:117 Resp: 777322
Ion Ratio Lower Upper
117 100
82 49.3 42.1 63.1
119 32.4 26.5 39.7



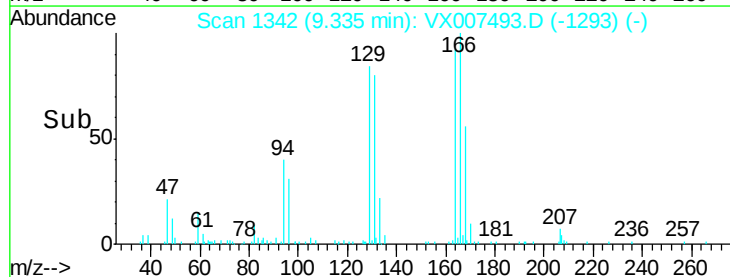
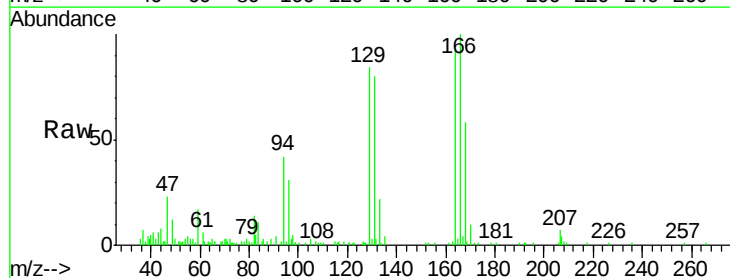
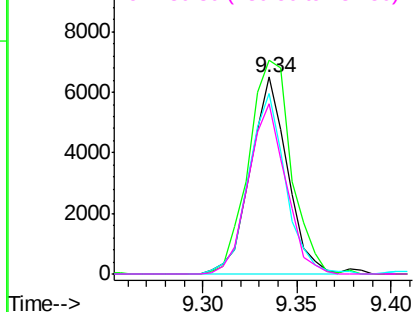
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

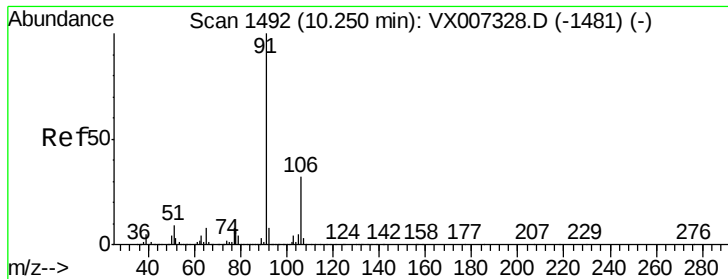


#64
Tetrachloroethene
Concen: 1.208 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX007493.D
Acq: 12 Feb 2019 17:16

Tgt Ion:164 Resp: 8847
Ion Ratio Lower Upper
164 100
166 108.6 101.0 151.4
129 91.4 70.5 105.7
131 86.8 69.8 104.6

Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#67

Ethyl Benzene

Concen: 1.635 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX007493.D

Acq: 12 Feb 2019 17:16

Instrument :

MSVOA_X

ClientSampleId :

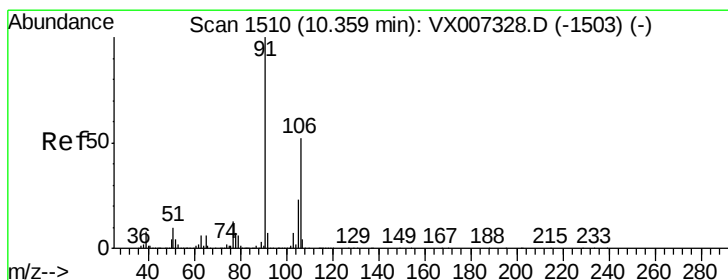
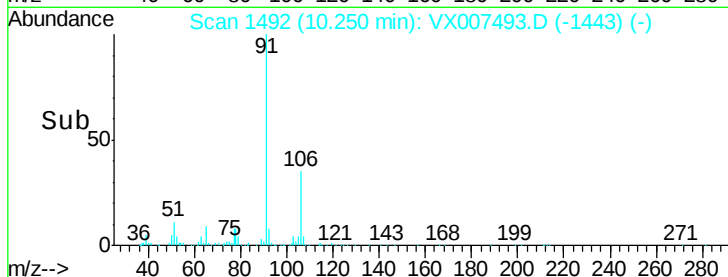
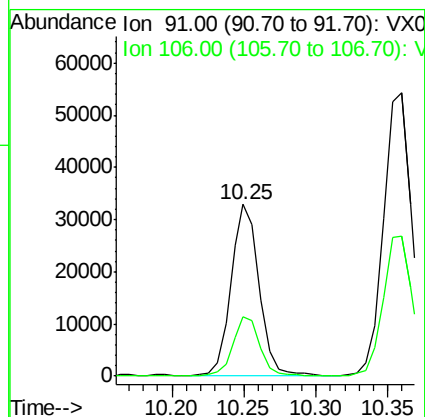
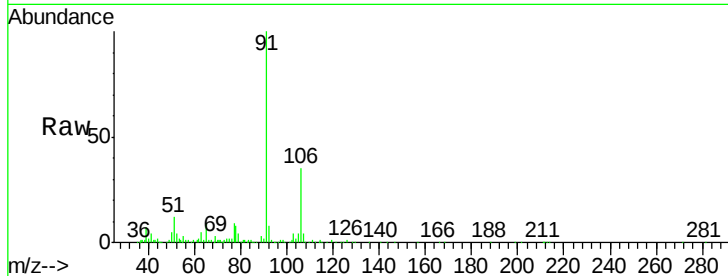
IDW-LIQUID-02

Tot Ion: 91 Resp: 44674

Ion Ratio Lower Upper

91 100

106 34.8 25.4 38.0



#68

m/p-Xylenes

Concen: 3.502 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX007493.D

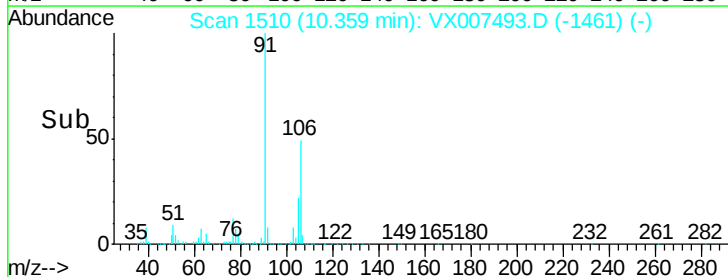
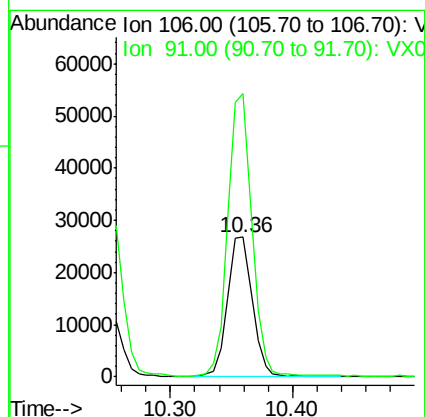
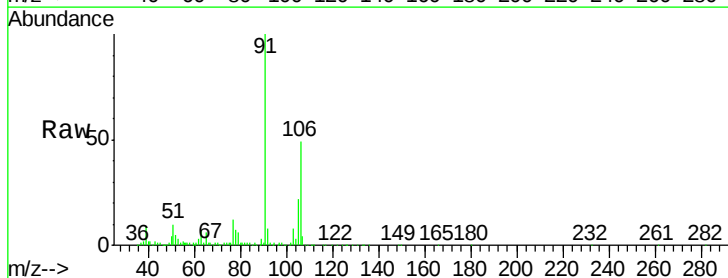
Acq: 12 Feb 2019 17:16

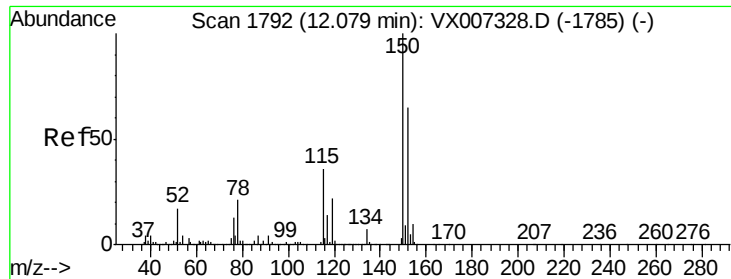
Tgt Ion: 106 Resp: 38029

Ion Ratio Lower Upper

106 100

91 191.7 156.6 234.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX007493.D

Acq: 12 Feb 2019 17:16

Instrument :

MSVOA_X

ClientSampleId :

IDW-LIQUID-02

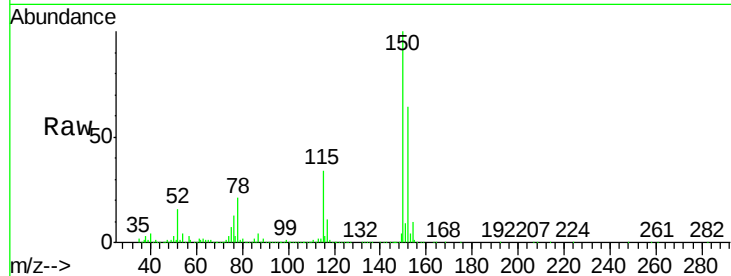
Tot Ion:152 Resp: 386113

Ion Ratio Lower Upper

152 100

115 53.9 38.0 114.0

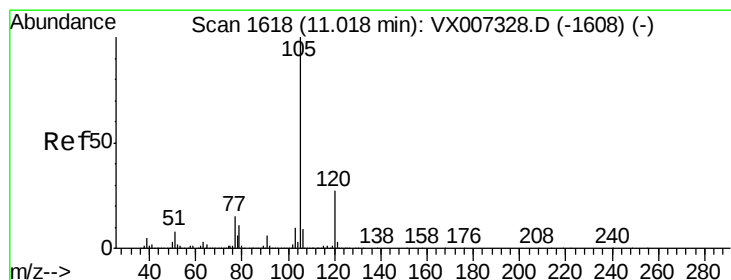
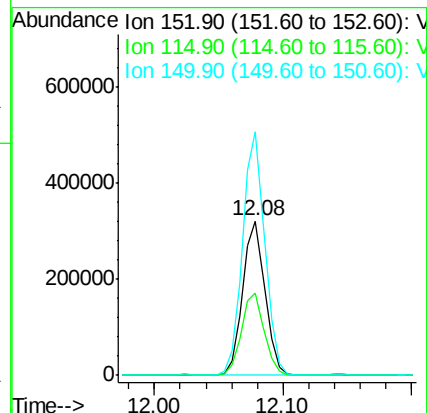
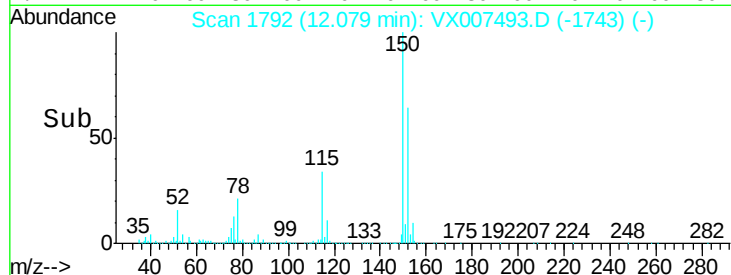
150 157.1 0.0 346.4



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: 1.390 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX007493.D

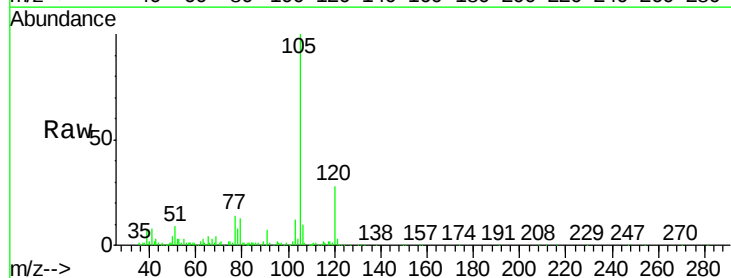
Acq: 12 Feb 2019 17:16

Tgt Ion:105 Resp: 36472

Ion Ratio Lower Upper

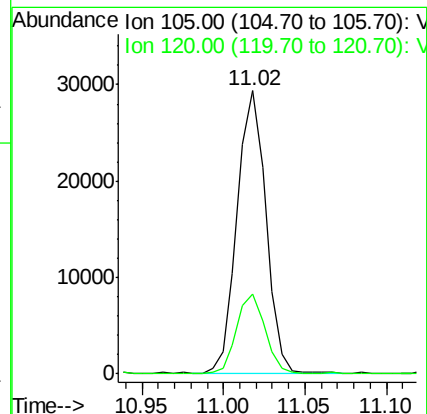
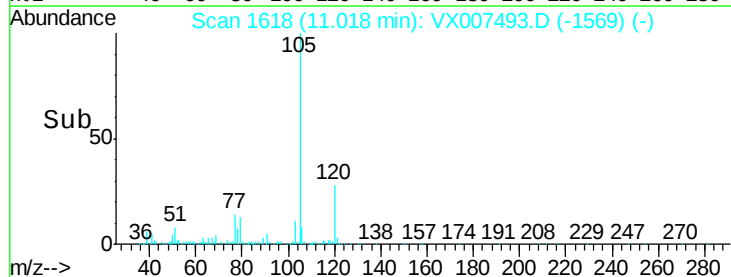
105 100

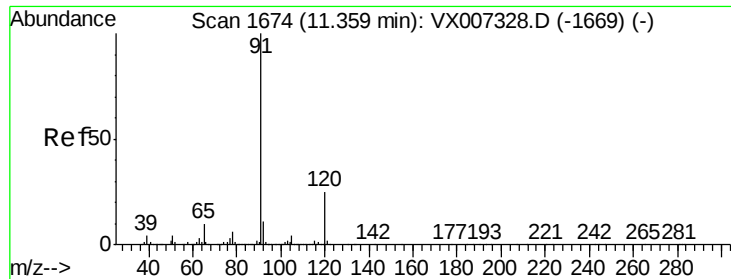
120 28.1 13.6 40.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 5.819 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX007493.D

Acq: 12 Feb 2019 17:16

Instrument :

MSVOA_X

ClientSampleId :

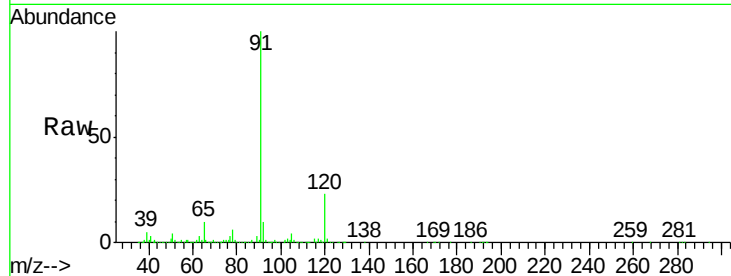
IDW-LIQUID-02

Tot Ion: 91 Resp: 167434

Ion Ratio Lower Upper

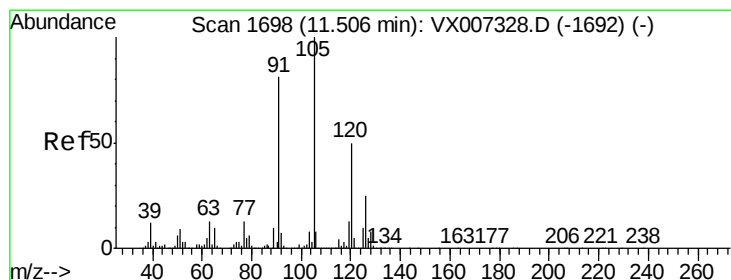
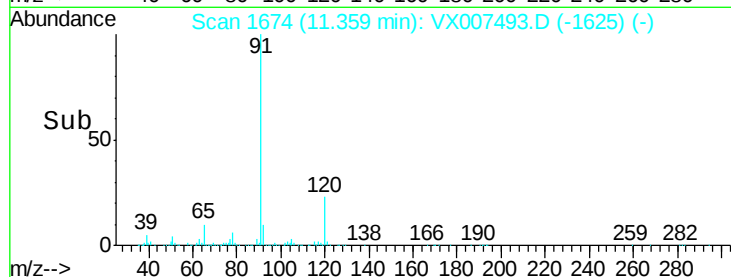
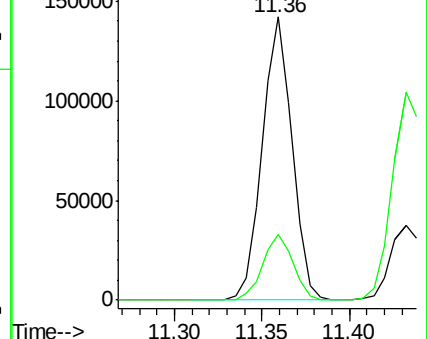
91 100

120 23.9 12.4 37.2



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V



#80

1,3,5-Trimethylbenzene

Concen: 7.966 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX007493.D

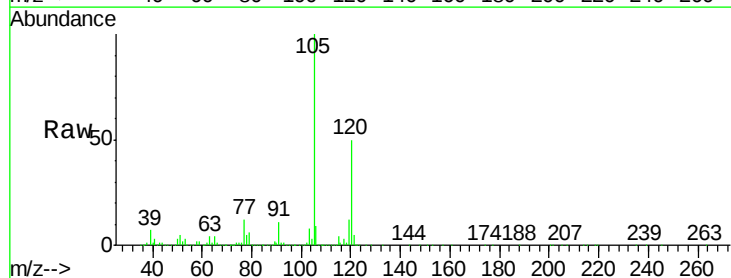
Acq: 12 Feb 2019 17:16

Tgt Ion: 105 Resp: 170993

Ion Ratio Lower Upper

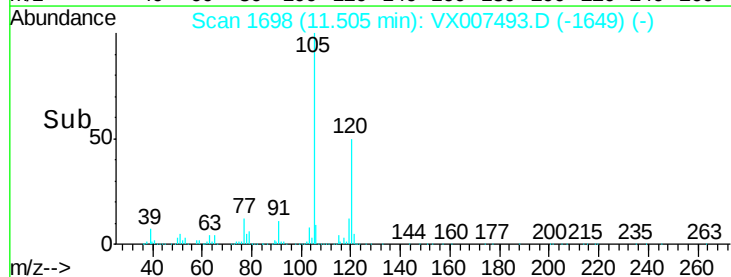
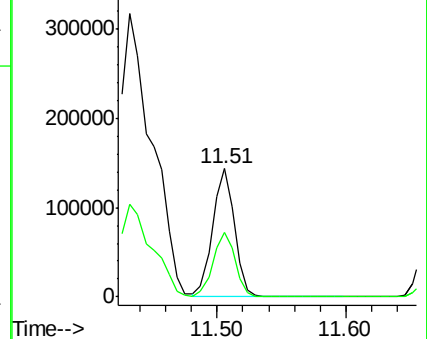
105 100

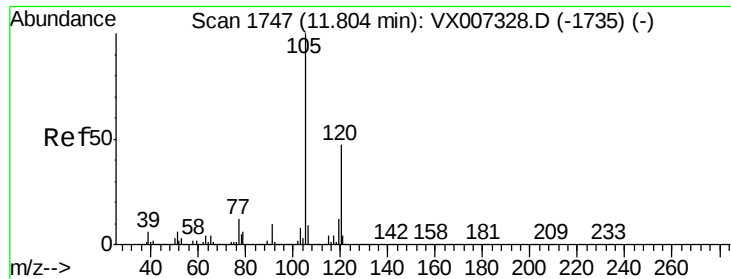
120 50.3 25.3 75.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#84

1,2,4-Trimethylbenzene

Concen: 18.965 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. -0.00 min

Lab File: VX007493.D

Acq: 12 Feb 2019 17:16

Instrument :

MSVOA_X

ClientSampleId :

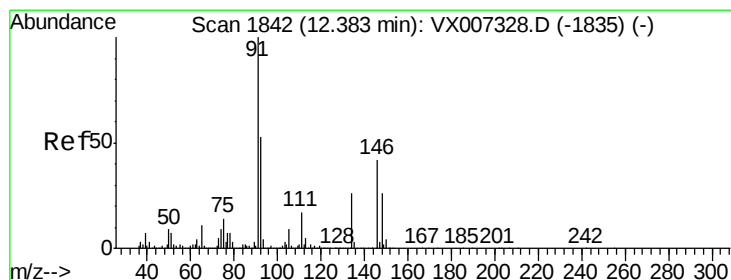
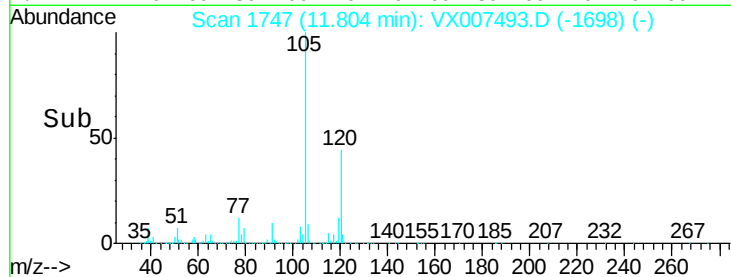
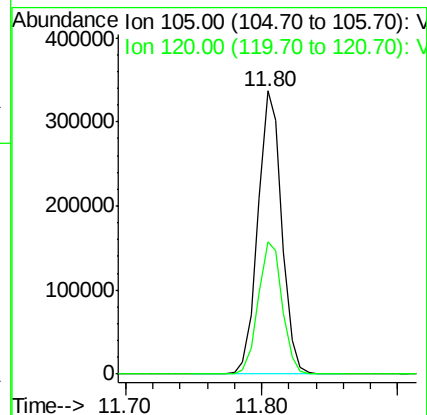
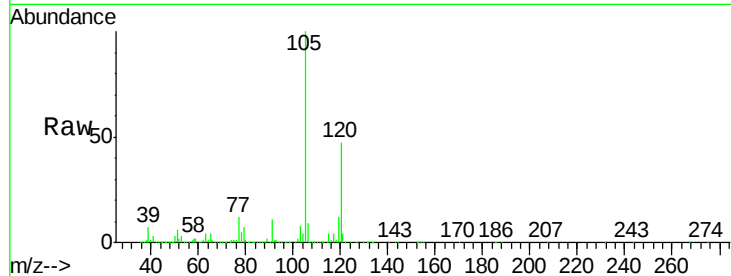
IDW-LIQUID-02

Tot Ion:105 Resp: 413319

Ion Ratio Lower Upper

105 100

120 47.6 23.1 69.3



#89

n-Butylbenzene

Concen: 3.812 ug/l

RT: 12.38 min Scan# 1842

Delta R.T. -0.00 min

Lab File: VX007493.D

Acq: 12 Feb 2019 17:16

Tgt Ion: 91 Resp: 76151

Ion Ratio Lower Upper

91 100

92 31.8 26.3 78.9

134 117.7 13.9 41.6#

