

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX113018\
 Data File : VX006230.D
 Acq On : 30 Nov 2018 15:09
 Operator : JC/MD
 Sample : J5770-16
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 OR-03-112918-B

Quant Time: Nov 30 23:48:51 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 30 03:55:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	885691	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	1317855	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	1183745	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	588137	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	425652	47.08	ug/l	0.00
Spiked Amount			Recovery	=	94.16%	
35) Dibromofluoromethane	5.51	113	414419	48.57	ug/l	0.00
Spiked Amount			Recovery	=	97.14%	
50) Toluene-d8	8.71	98	1536233	49.50	ug/l	0.00
Spiked Amount			Recovery	=	99.00%	
62) 4-Bromofluorobenzene	11.13	95	561904	48.04	ug/l	0.00
Spiked Amount			Recovery	=	96.08%	

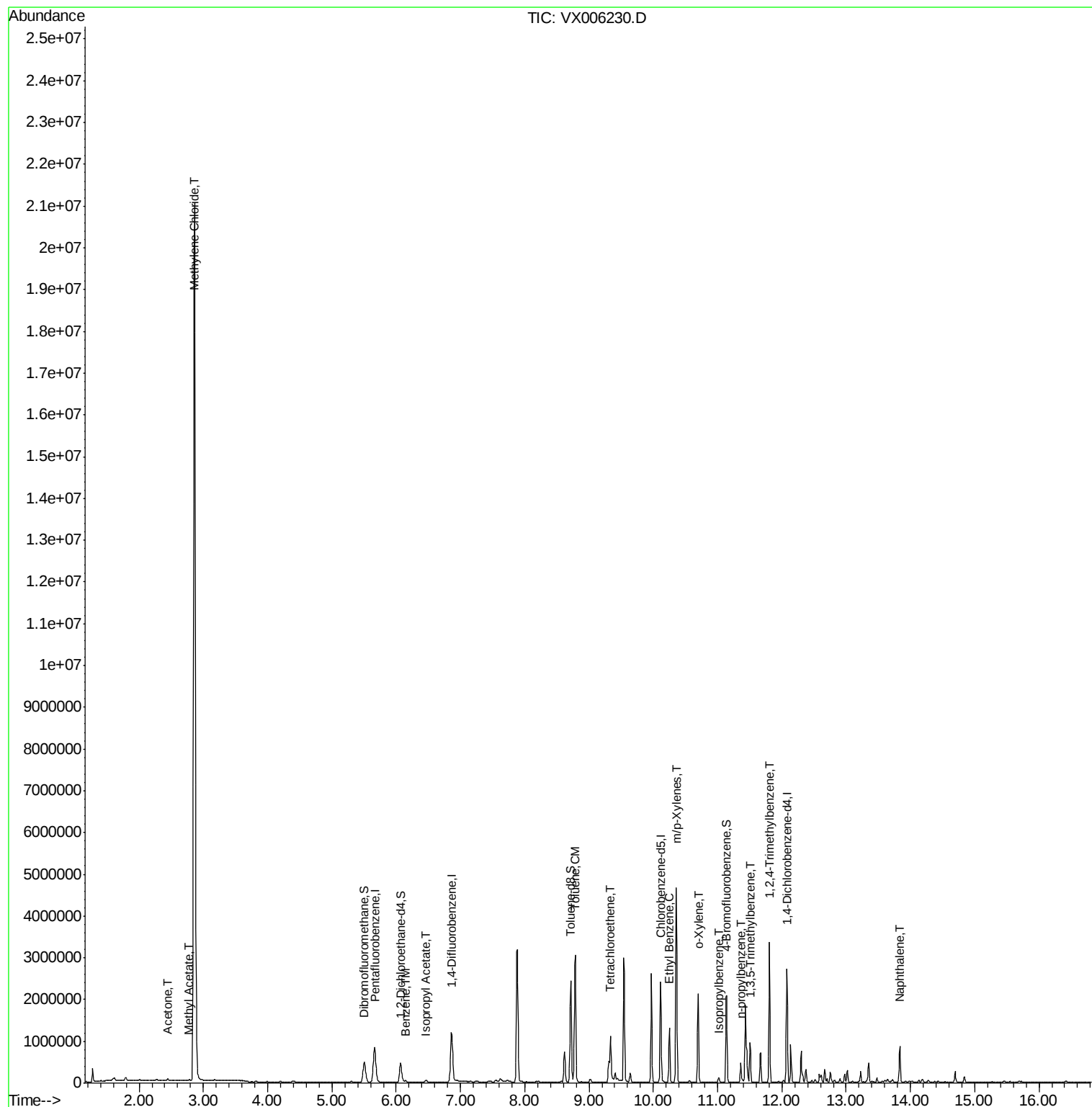
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.45	43	50973	12.013	ug/l	96
18) Methyl Acetate	2.78	43	20508	1.445	ug/l	94
20) Methylene Chloride	2.86	84	9620634	1065.364	ug/l	97
40) Benzene	6.15	78	47214	1.420	ug/l	98
43) Isopropyl Acetate	6.46	43	53075	2.561	ug/l	97
52) Toluene	8.79	92	1171658	53.580	ug/l	100
64) Tetrachloroethene	9.33	164	212593	23.848	ug/l	97
67) Ethyl Benzene	10.25	91	749718	17.939	ug/l	99
68) m/p-Xylenes	10.36	106	1177197	70.317	ug/l	99
69) o-Xylene	10.70	106	477274	28.862	ug/l	100
73) Isopropylbenzene	11.02	105	57207	1.408	ug/l	98
78) n-propylbenzene	11.36	91	251319	5.566	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	409975	12.132	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	1537834	44.070	ug/l	99
95) Naphthalene	13.83	128	541650	11.991	ug/l	99

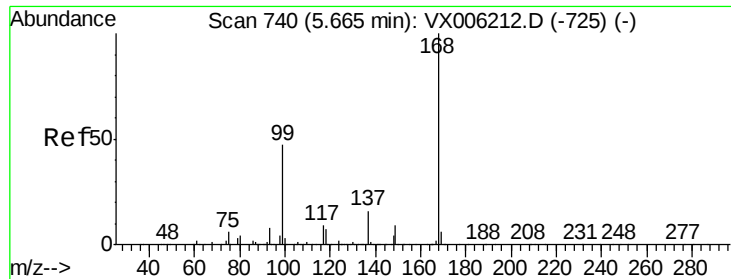
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX113018\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 30 03:55:33 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX006230.D

Acq: 30 Nov 2018 15:09

Instrument :

MSVOA_X

ClientSampleId :

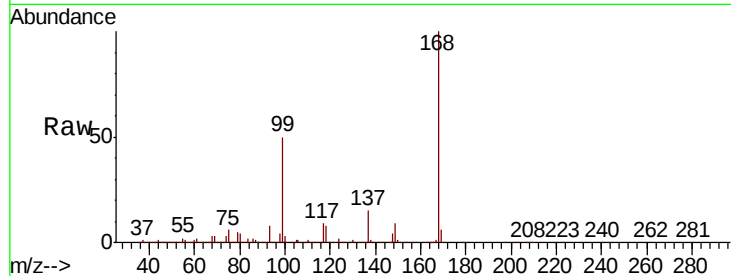
OR-03-112918-B

Tot Ion:168 Resp: 885691

Ion Ratio Lower Upper

168 100

99 50.4 37.8 56.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

300000

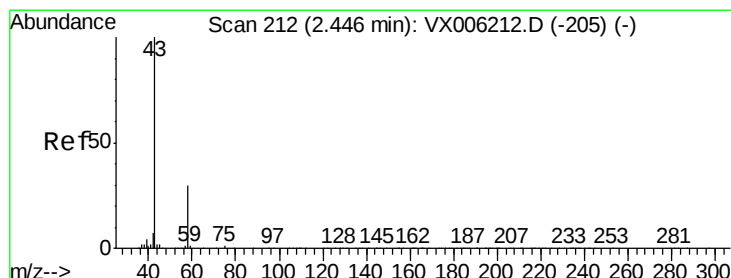
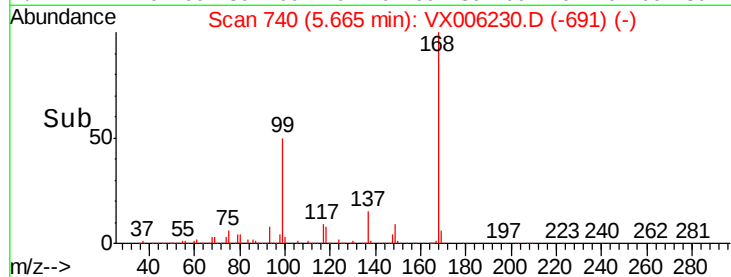
200000

100000

0

Time-->

5.50 5.60 5.70 5.80



#16

Acetone

Concen: 12.013 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX006230.D

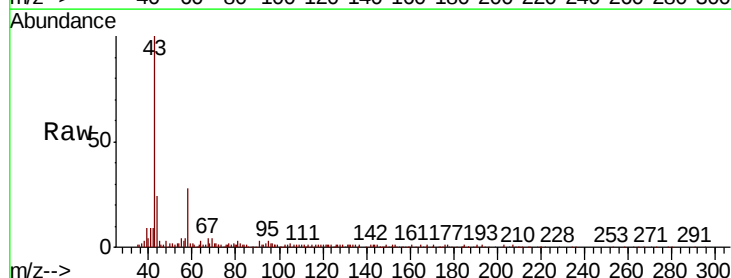
Acq: 30 Nov 2018 15:09

Tgt Ion: 43 Resp: 50973

Ion Ratio Lower Upper

43 100

58 28.0 24.0 36.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.45

30000

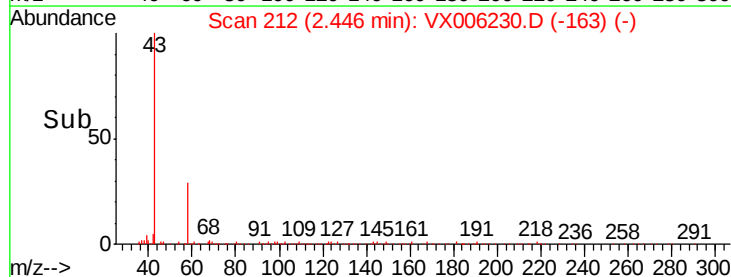
20000

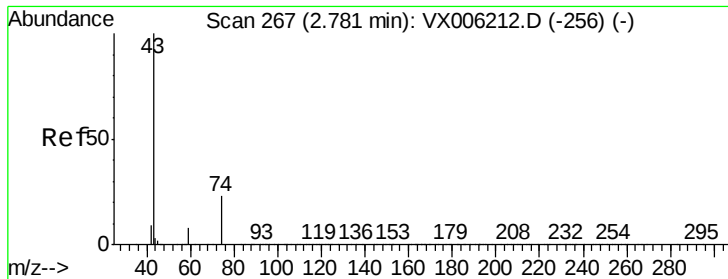
10000

0

Time-->

2.35 2.40 2.45 2.50 2.55

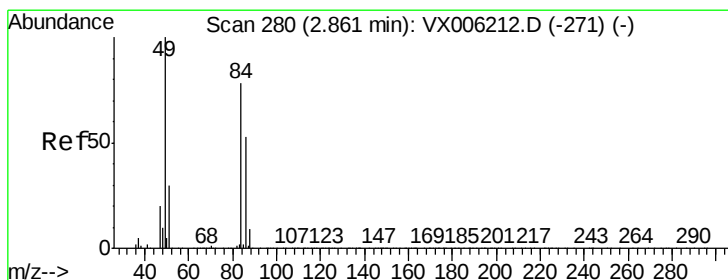
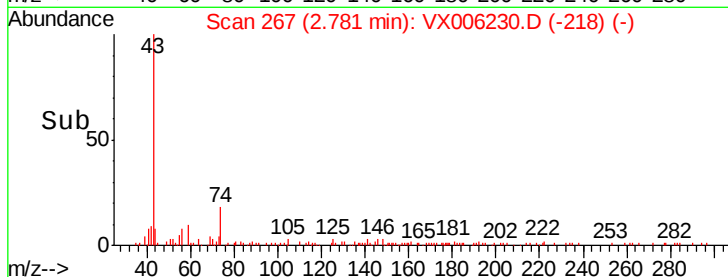
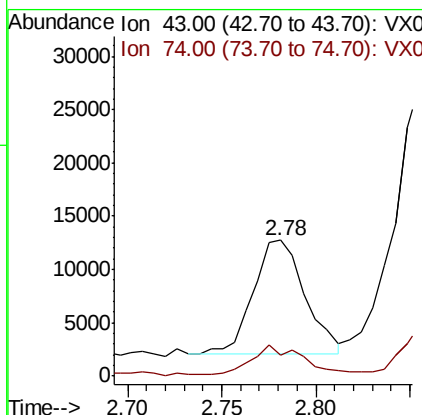
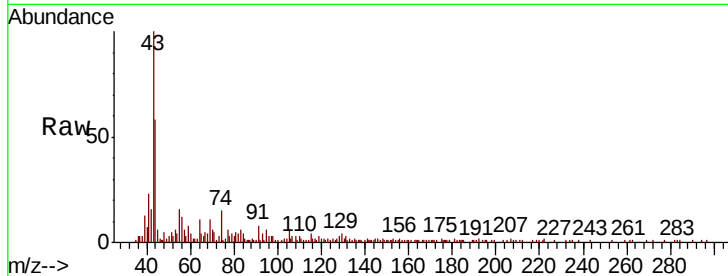




#18
Methyl Acetate
Concen: 1.445 ug/l
RT: 2.78 min Scan# 267
Delta R.T. -0.00 min
Lab File: VX006230.D
Acq: 30 Nov 2018 15:09

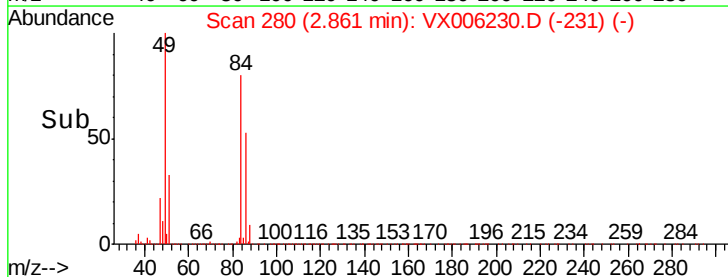
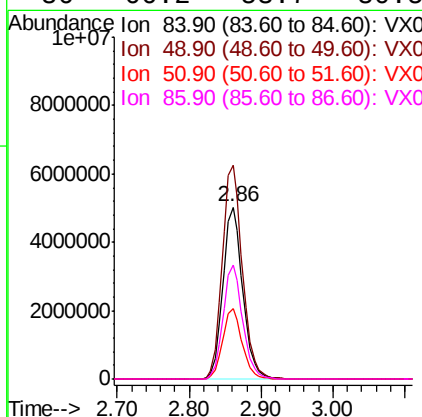
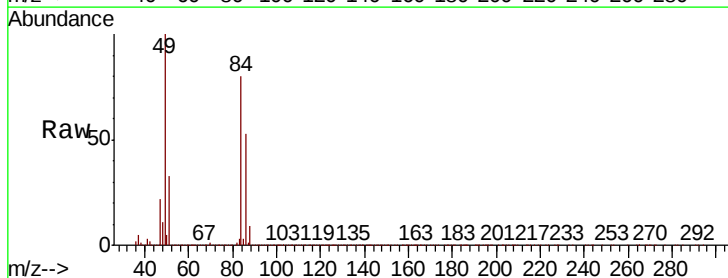
Instrument :
MSVOA_X
ClientSampleId :
OR-03-112918-B

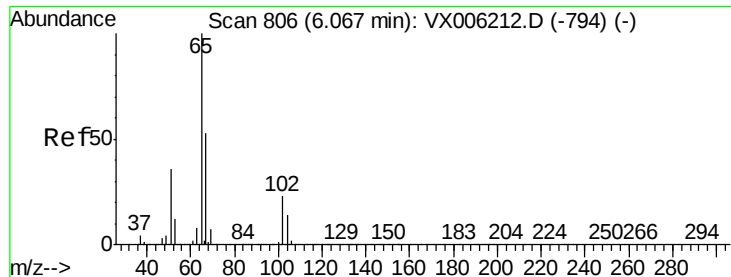
Tot Ion: 43 Resp: 20508
Ion Ratio Lower Upper
43 100
74 25.1 17.9 26.9



#20
Methylene Chloride
Concen: 1065.364 ug/l
RT: 2.86 min Scan# 280
Delta R.T. -0.00 min
Lab File: VX006230.D
Acq: 30 Nov 2018 15:09

Tgt Ion: 84 Resp: 9620634
Ion Ratio Lower Upper
84 100
49 124.4 102.2 153.4
51 41.0 31.1 46.7
86 66.2 53.7 80.5





#33

1,2-Dichloroethane-d4

Concen: 47.078 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX006230.D

Acq: 30 Nov 2018 15:09

Instrument :

MSVOA_X

ClientSampleId :

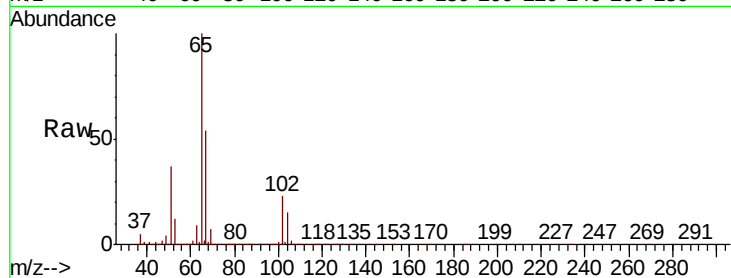
OR-03-112918-B

Tot Ion: 65 Resp: 425652

Ion Ratio Lower Upper

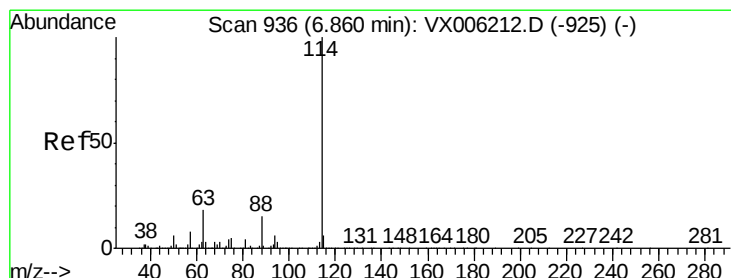
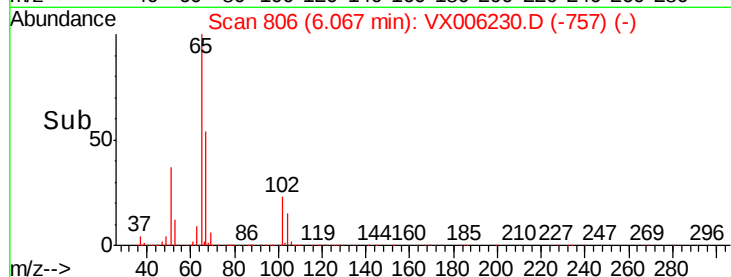
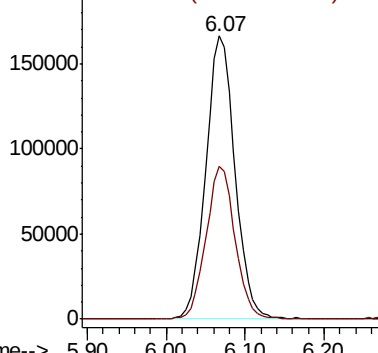
65 100

67 53.8 0.0 107.2



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: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX006230.D

Acq: 30 Nov 2018 15:09

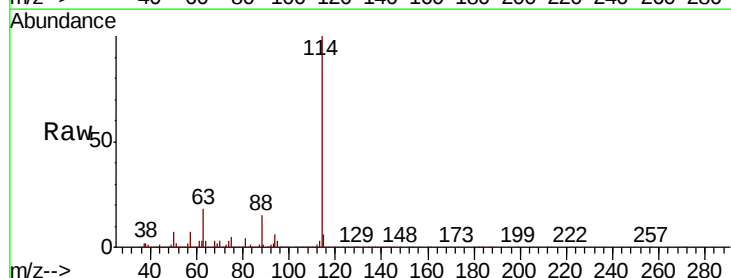
Tgt Ion: 114 Resp: 1317855

Ion Ratio Lower Upper

114 100

63 18.2 0.0 36.6

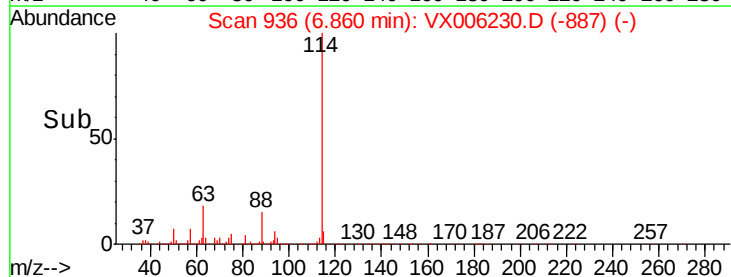
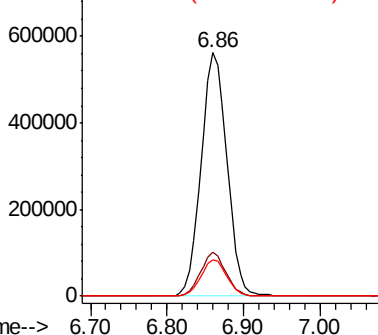
88 14.7 0.0 29.0

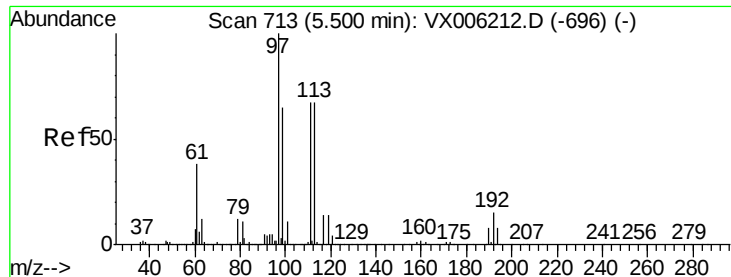


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 48.569 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX006230.D

Acq: 30 Nov 2018 15:09

Instrument :

MSVOA_X

ClientSampleId :

OR-03-112918-B

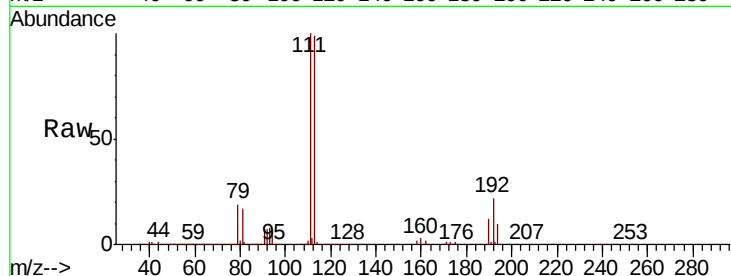
Tot Ion:113 Resp: 414419

Ion Ratio Lower Upper

113 100

111 102.5 81.1 121.7

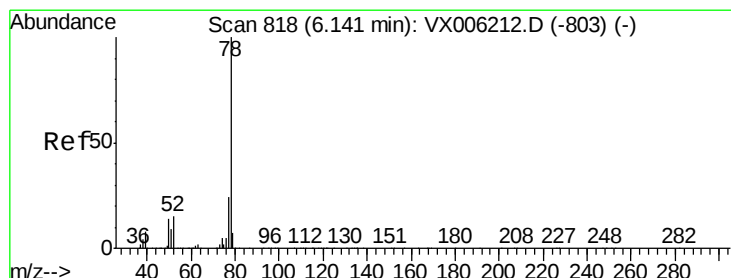
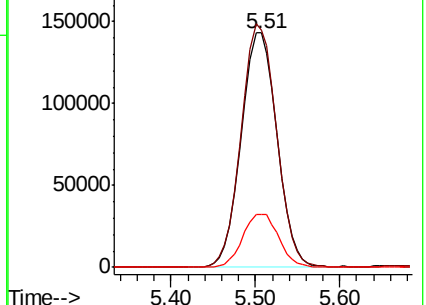
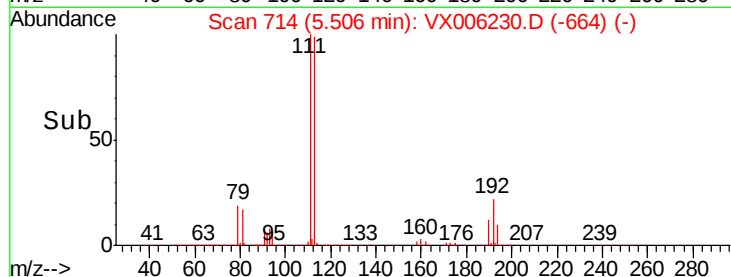
192 22.9 18.2 27.2



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



#40

Benzene

Concen: 1.420 ug/l

RT: 6.15 min Scan# 819

Delta R.T. 0.01 min

Lab File: VX006230.D

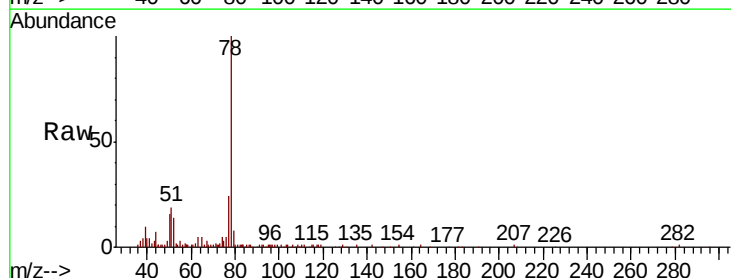
Acq: 30 Nov 2018 15:09

Tgt Ion: 78 Resp: 47214

Ion Ratio Lower Upper

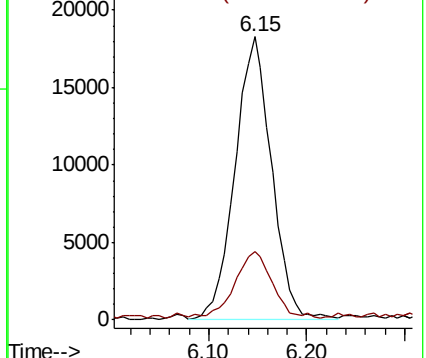
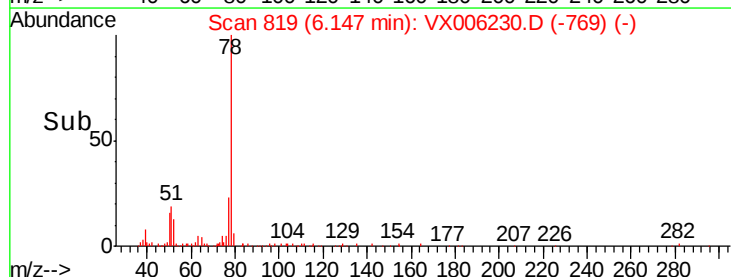
78 100

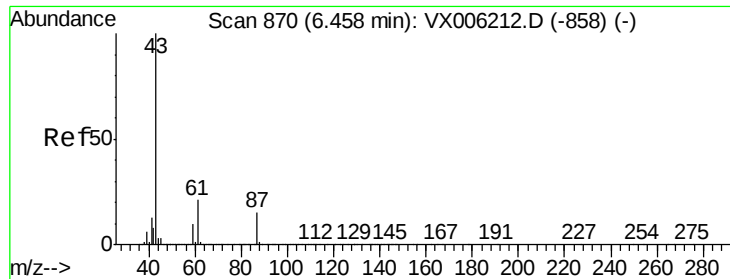
77 22.8 19.2 28.8



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0





#43

Isopropyl Acetate

Concen: 2.561 ug/l

RT: 6.46 min Scan# 871

Delta R.T. 0.01 min

Lab File: VX006230.D

Acq: 30 Nov 2018 15:09

Instrument :

MSVOA_X

ClientSampleId :

OR-03-112918-B

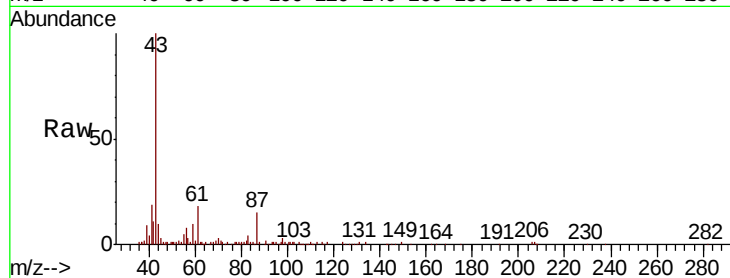
Tot Ion: 43 Resp: 53075

Ion Ratio Lower Upper

43 100

61 19.1 16.8 25.2

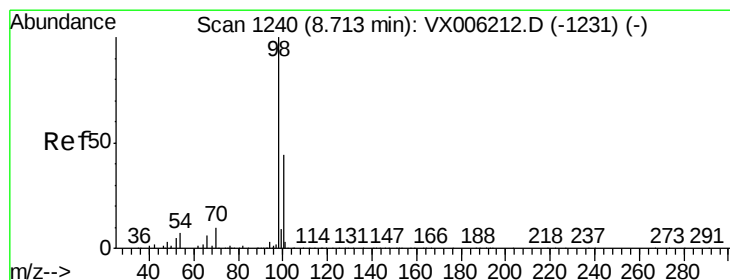
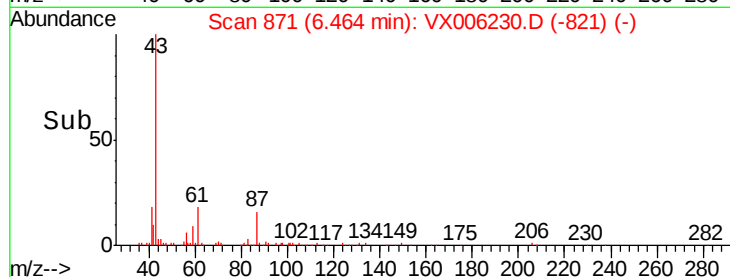
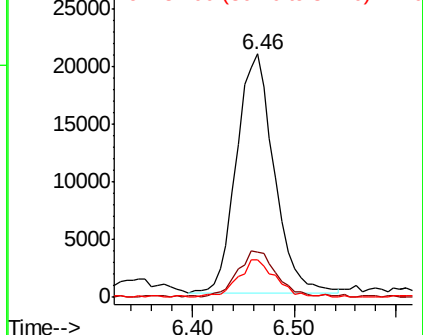
87 15.7 11.9 17.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#50

Toluene-d8

Concen: 49.497 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX006230.D

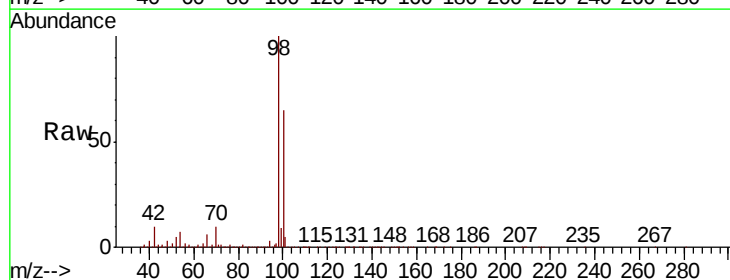
Acq: 30 Nov 2018 15:09

Tgt Ion: 98 Resp: 1536233

Ion Ratio Lower Upper

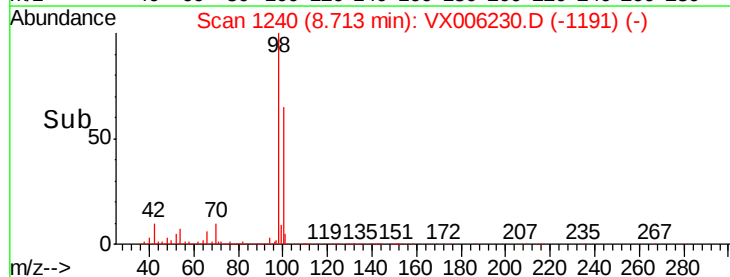
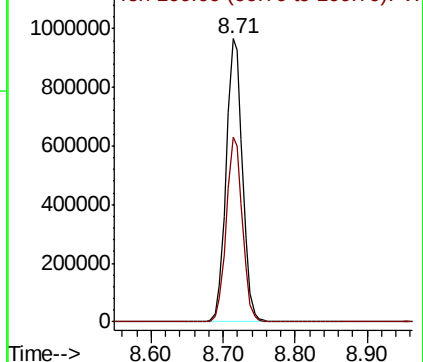
98 100

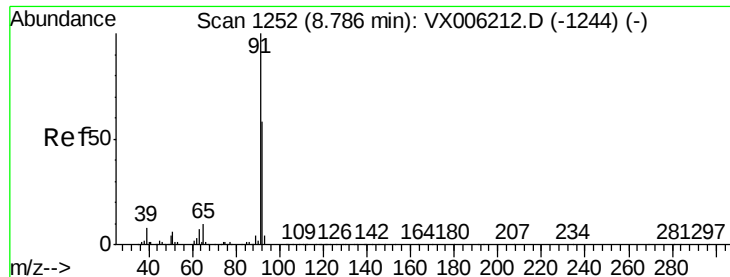
100 64.4 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#52

Toluene

Concen: 53.580 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX006230.D

Acq: 30 Nov 2018 15:09

Instrument :

MSVOA_X

ClientSampleId :

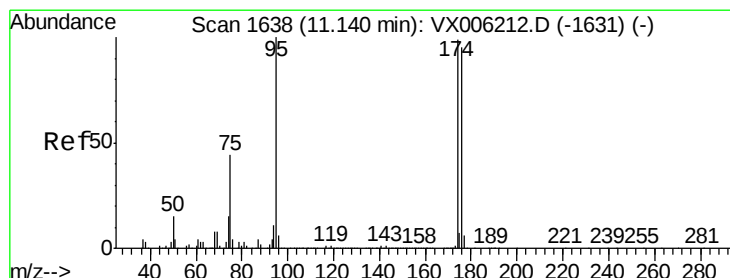
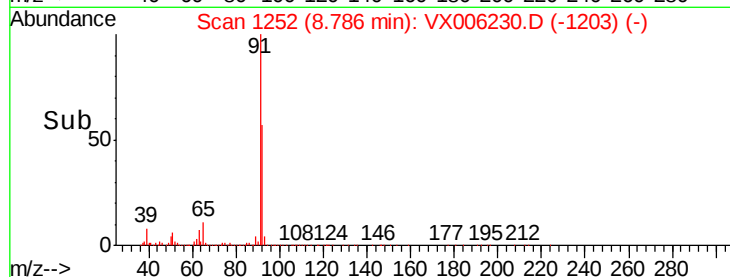
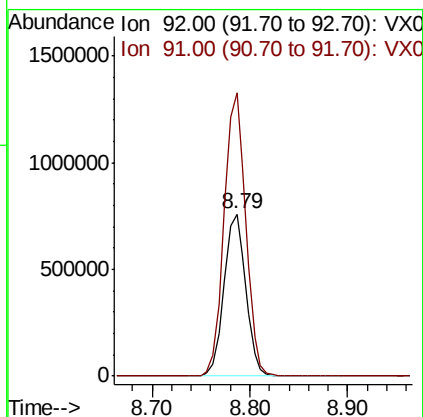
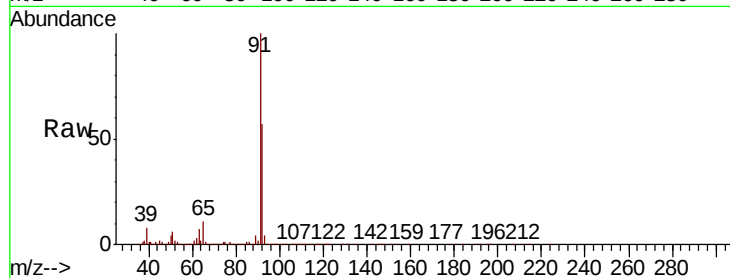
OR-03-112918-B

Tot Ion: 92 Resp: 1171658

Ion Ratio Lower Upper

92 100

91 174.0 139.2 208.8



#62

4-Bromofluorobenzene

Concen: 48.044 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.01 min

Lab File: VX006230.D

Acq: 30 Nov 2018 15:09

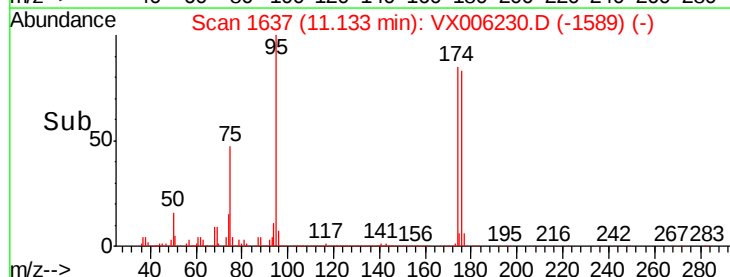
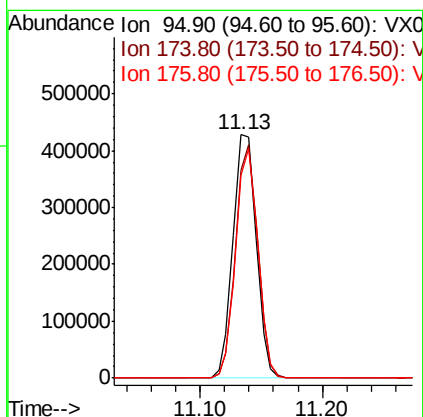
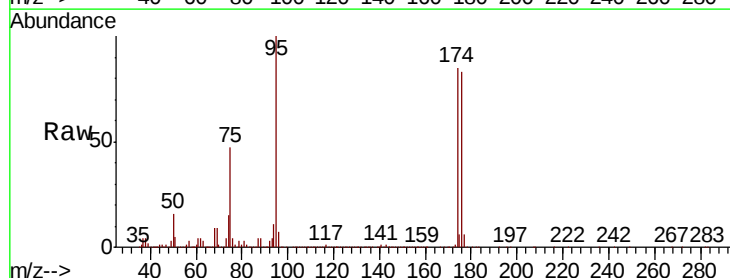
Tgt Ion: 95 Resp: 561904

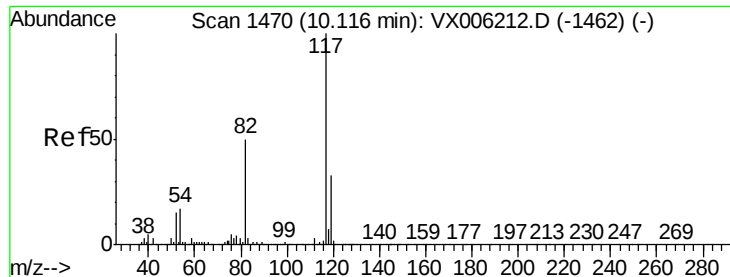
Ion Ratio Lower Upper

95 100

174 91.3 0.0 187.0

176 90.1 0.0 181.8

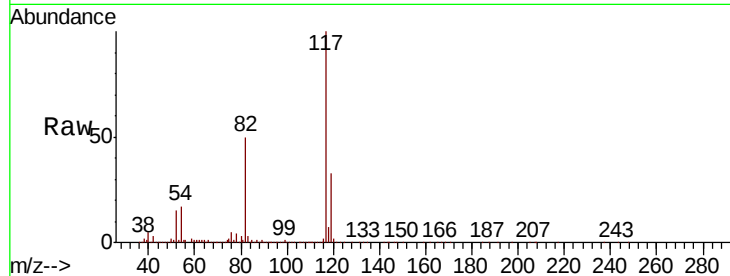




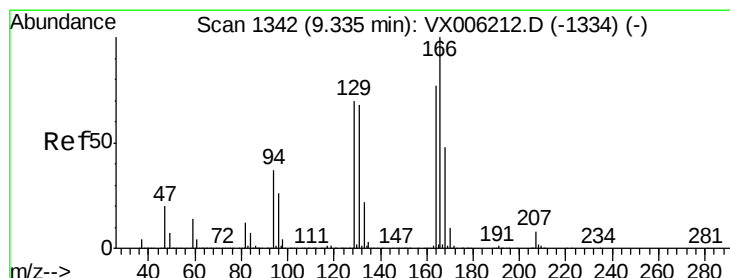
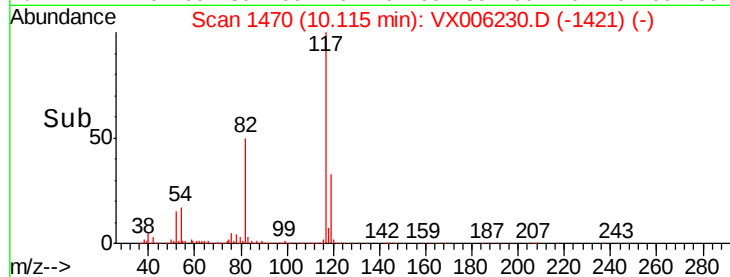
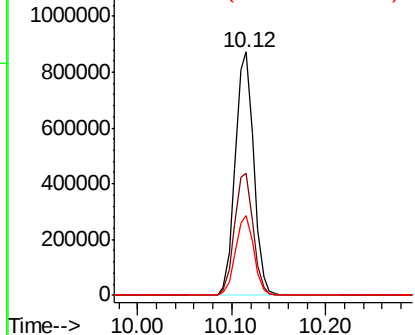
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX006230.D
Acq: 30 Nov 2018 15:09

Instrument :
MSVOA_X
ClientSampleId :
OR-03-112918-B

Tot Ion:117 Resp: 1183745
Ion Ratio Lower Upper
117 100
82 50.2 39.6 59.4
119 32.6 26.3 39.5

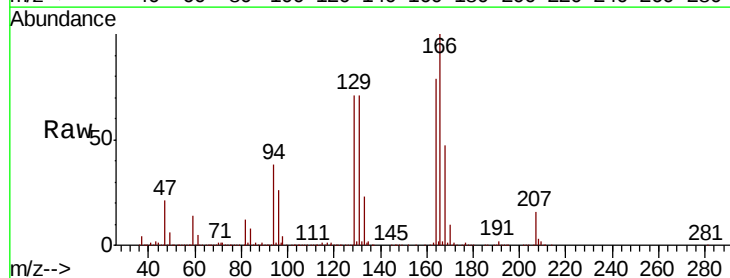


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

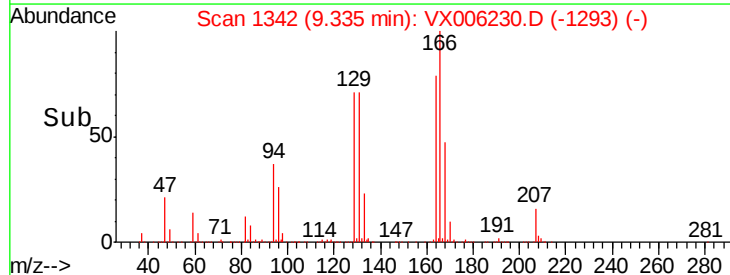
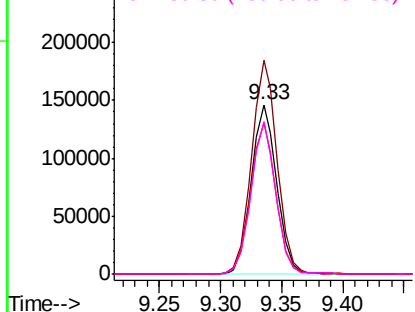


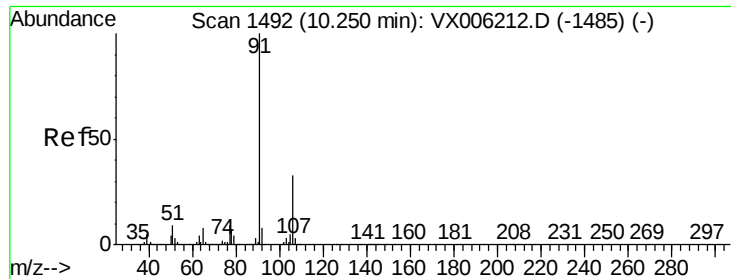
#64
Tetrachloroethene
Concen: 23.848 ug/l
RT: 9.33 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX006230.D
Acq: 30 Nov 2018 15:09

Tgt Ion:164 Resp: 212593
Ion Ratio Lower Upper
164 100
166 125.9 104.2 156.2
129 89.1 72.6 108.8
131 89.5 70.3 105.5



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: 17.939 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX006230.D

Acq: 30 Nov 2018 15:09

Instrument :

MSVOA_X

ClientSampleId :

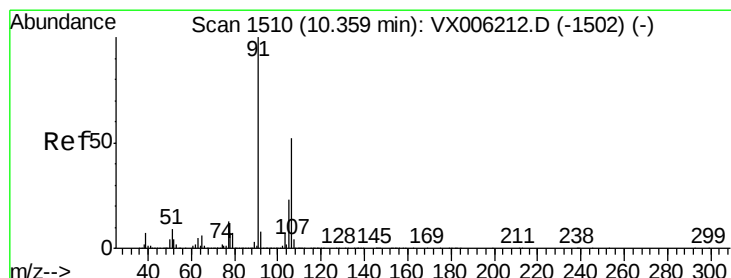
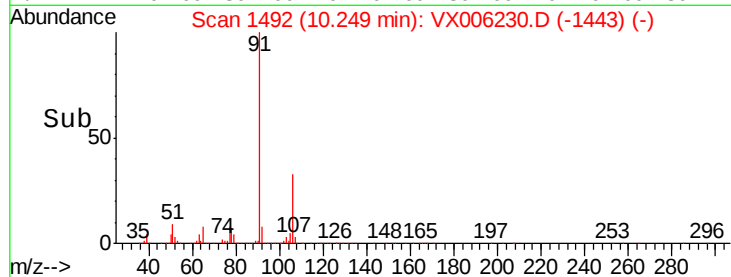
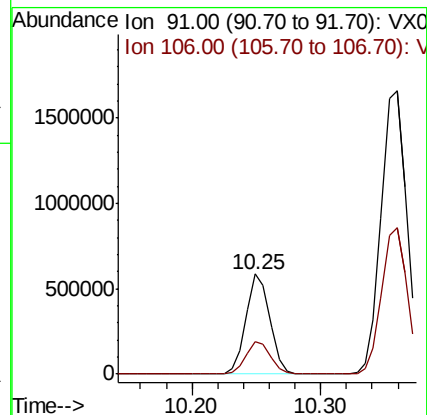
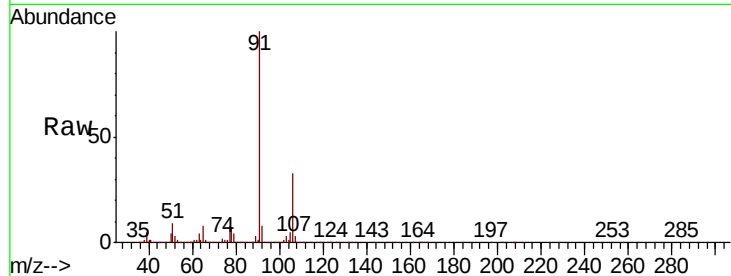
OR-03-112918-B

Tot Ion: 91 Resp: 749718

Ion Ratio Lower Upper

91 100

106 32.7 26.5 39.7



#68

m/p-Xylenes

Concen: 70.317 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX006230.D

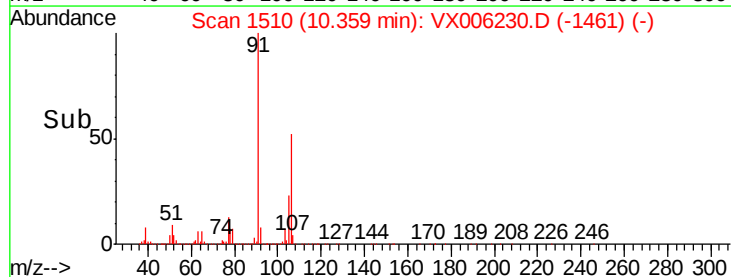
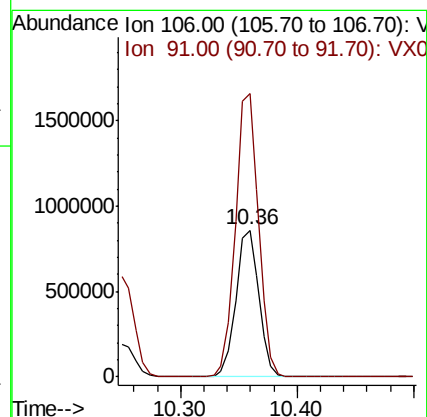
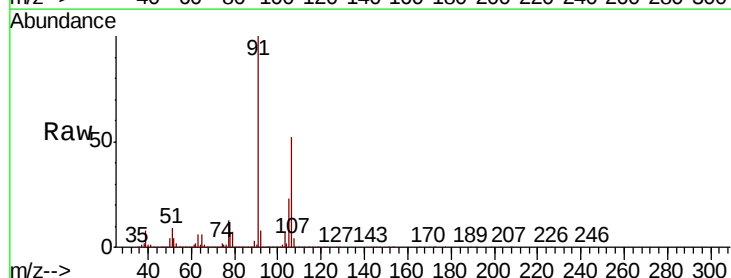
Acq: 30 Nov 2018 15:09

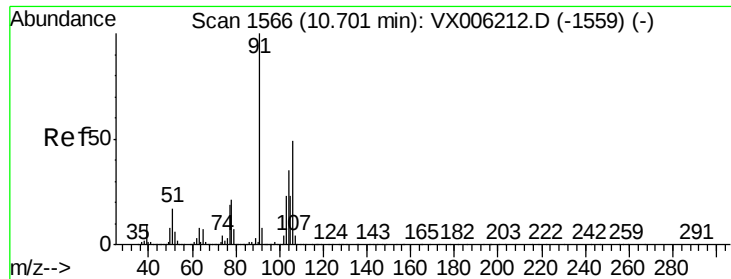
Tgt Ion: 106 Resp: 1177197

Ion Ratio Lower Upper

106 100

91 194.8 155.2 232.8

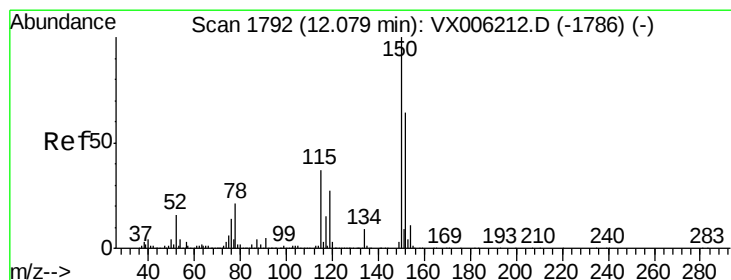
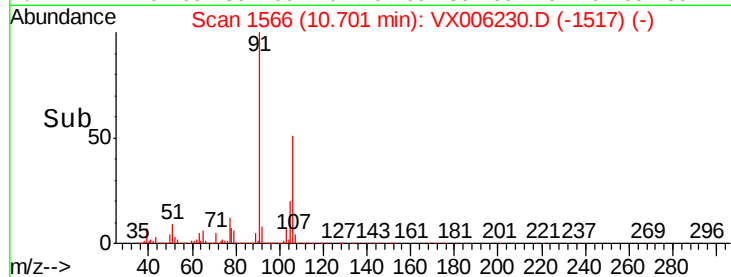
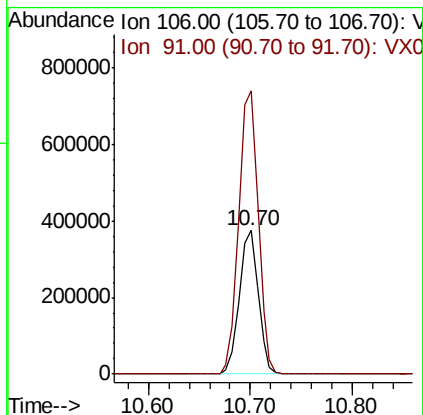
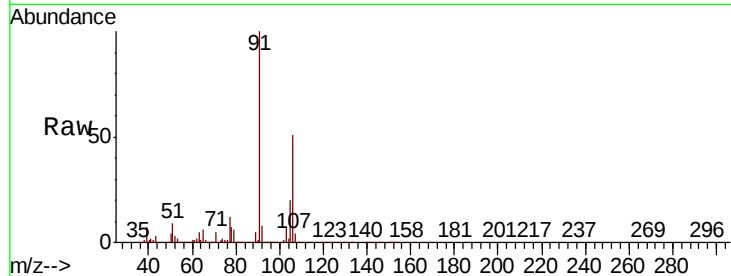




#69
o-Xylene
Concen: 28.862 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX006230.D
Acq: 30 Nov 2018 15:09

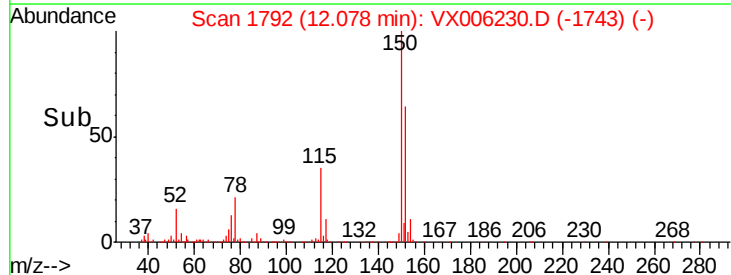
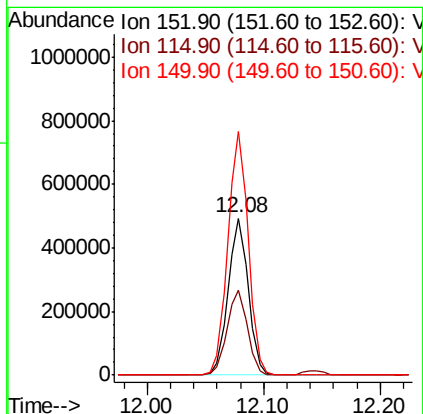
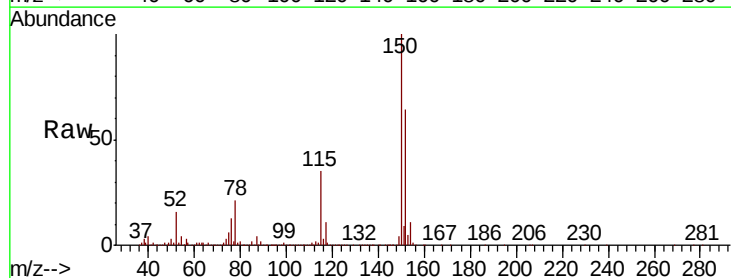
Instrument :
MSVOA_X
ClientSampleId :
OR-03-112918-B

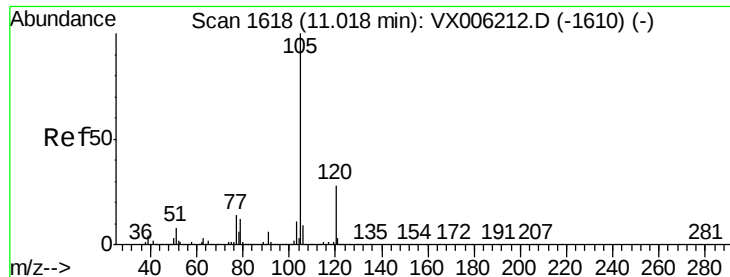
Tot Ion:106 Resp: 477274
Ion Ratio Lower Upper
106 100
91 203.4 101.8 305.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX006230.D
Acq: 30 Nov 2018 15:09

Tgt Ion:152 Resp: 588137
Ion Ratio Lower Upper
152 100
115 54.7 39.0 116.9
150 157.3 0.0 345.8





#73

Isopropylbenzene

Concen: 1.408 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX006230.D

Acq: 30 Nov 2018 15:09

Instrument :

MSVOA_X

ClientSampleId :

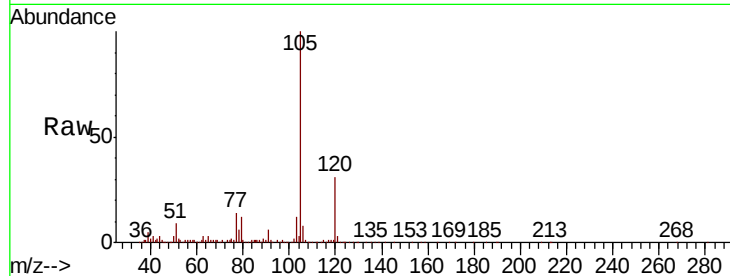
OR-03-112918-B

Tot Ion:105 Resp: 57207

Ion Ratio Lower Upper

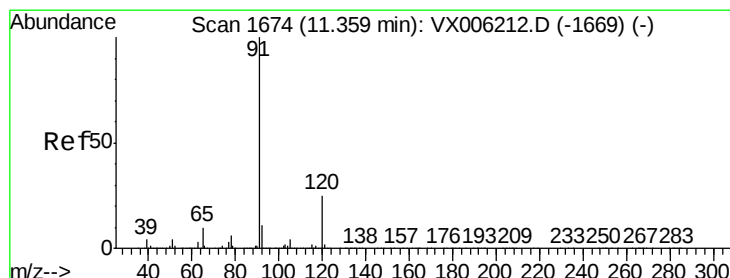
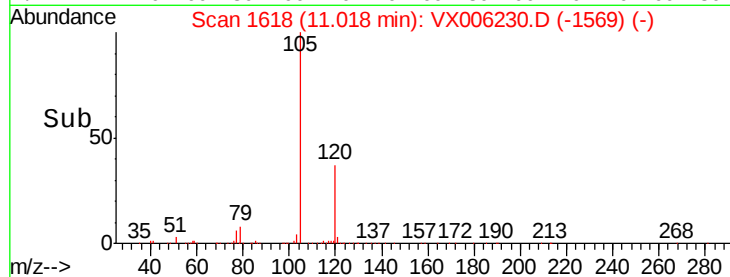
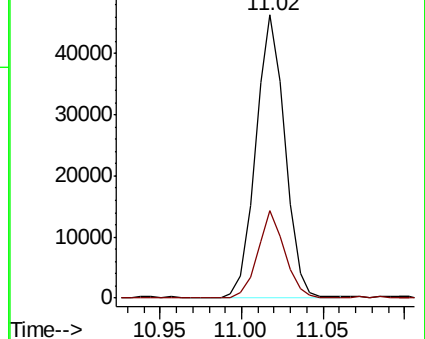
105 100

120 29.1 14.1 42.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#78

n-propylbenzene

Concen: 5.566 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX006230.D

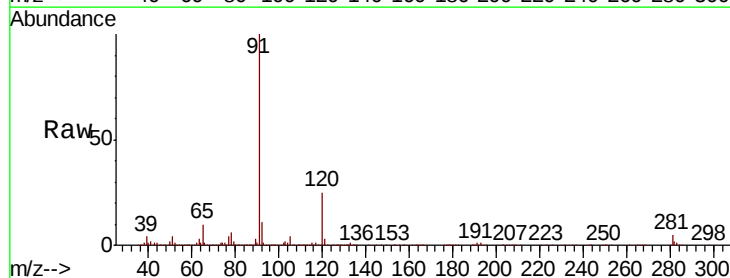
Acq: 30 Nov 2018 15:09

Tgt Ion: 91 Resp: 251319

Ion Ratio Lower Upper

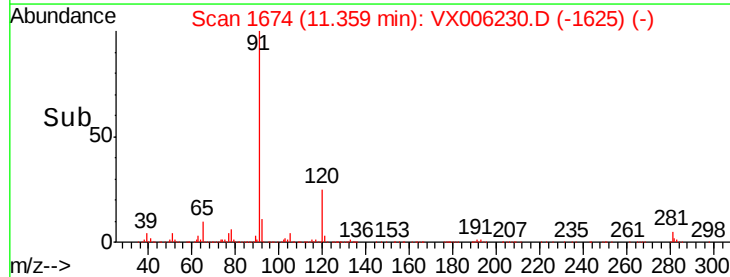
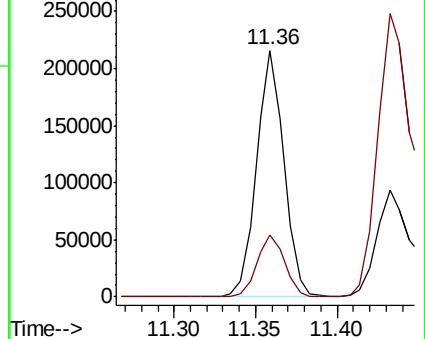
91 100

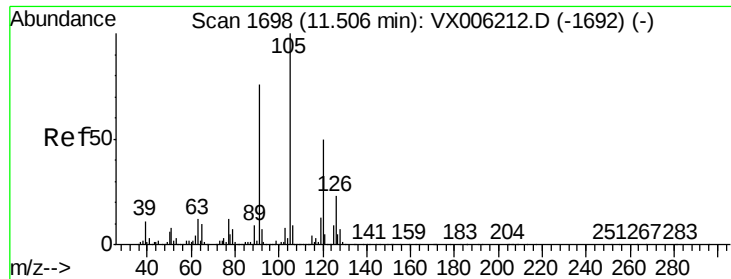
120 25.4 12.7 38.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

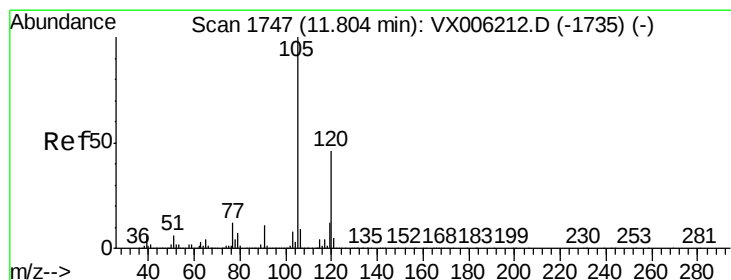
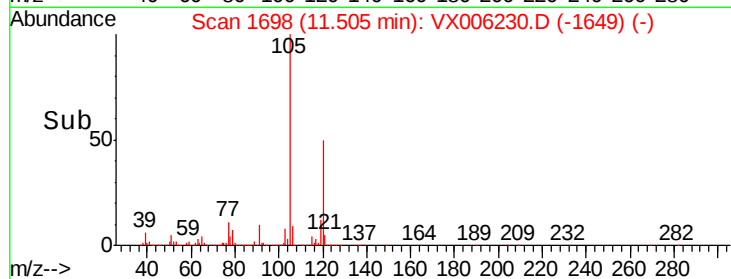
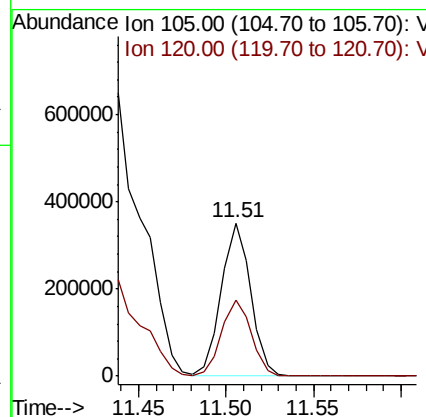
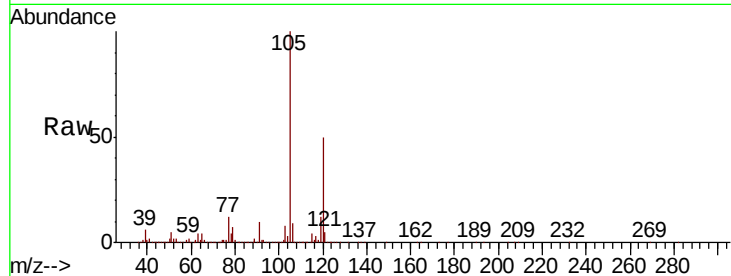




#80
 1,3,5-Trimethylbenzene
 Concen: 12.132 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX006230.D
 Acq: 30 Nov 2018 15:09

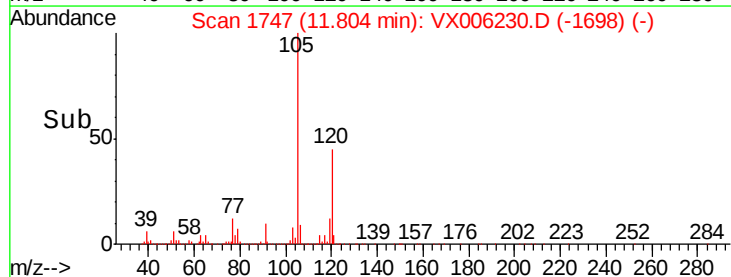
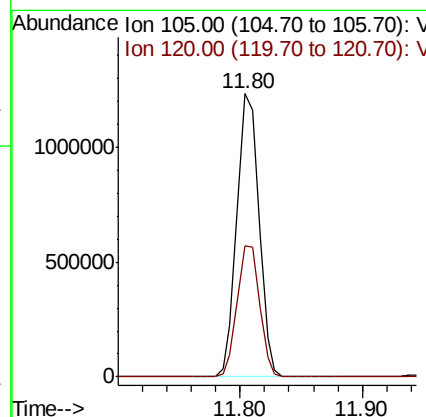
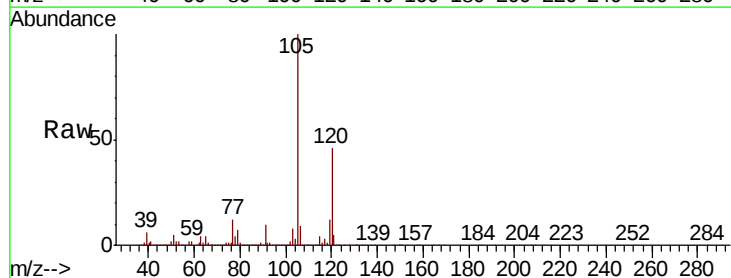
Instrument :
 MSVOA_X
 ClientSampleId :
 OR-03-112918-B

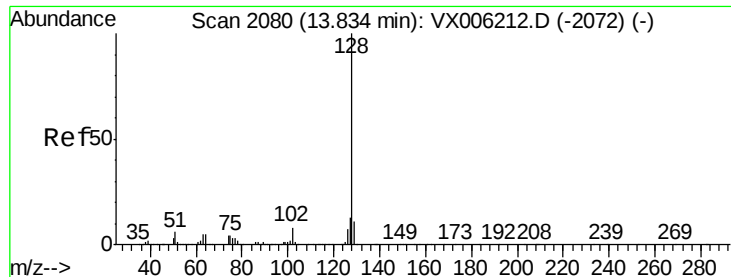
Tot Ion:105 Resp: 409975
 Ion Ratio Lower Upper
 105 100
 120 50.6 25.4 76.0



#84
 1,2,4-Trimethylbenzene
 Concen: 44.070 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.00 min
 Lab File: VX006230.D
 Acq: 30 Nov 2018 15:09

Tgt Ion:105 Resp: 1537834
 Ion Ratio Lower Upper
 105 100
 120 47.2 23.4 70.0





#95
Naphthalene
Concen: 11.991 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX006230.D
Acq: 30 Nov 2018 15:09

Instrument :
MSVOA_X
ClientSampleId :
OR-03-112918-B

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.2	15.4
129	11.3	8.9	13.3

