

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX021919\
 Data File : VX007611.D
 Acq On : 19 Feb 2019 14:17
 Operator : JC/SP
 Sample : K1528-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-2

Quant Time: Feb 20 06:23:22 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	485428	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	744237	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	714959	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	393101	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	249765	48.48	ug/l	0.00
Spiked Amount			Recovery	=	96.96%	
35) Dibromofluoromethane	5.51	113	234635	48.45	ug/l	0.00
Spiked Amount			Recovery	=	96.90%	
50) Toluene-d8	8.71	98	905754	50.41	ug/l	0.00
Spiked Amount			Recovery	=	100.82%	
62) 4-Bromofluorobenzene	11.13	95	345495	52.67	ug/l	0.00
Spiked Amount			Recovery	=	105.34%	

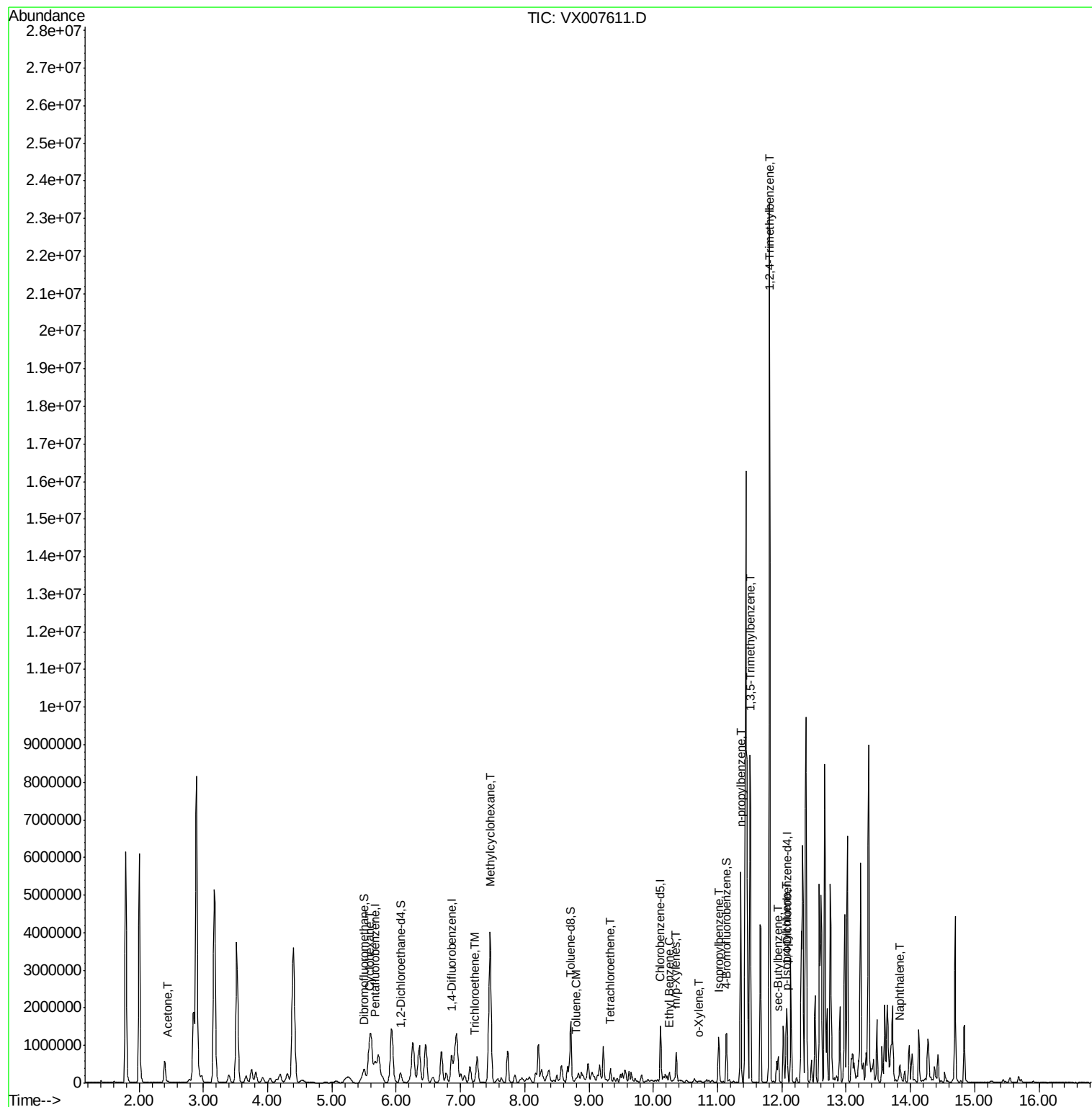
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.45	43	21989	9.317	ug/l	92
31) Cyclohexane	5.59	56	767915	107.179	ug/l #	93
39) Methylcyclohexane	7.46	83	1787254	221.217	ug/l	96
44) Trichloroethene	7.21	130	10538	1.779	ug/l	93
52) Toluene	8.79	92	5191	0.409	ug/l	86
64) Tetrachloroethene	9.34	164	73621	10.925	ug/l	96
67) Ethyl Benzene	10.25	91	140687	5.600	ug/l	100
68) m/p-Xylenes	10.36	106	178849	17.907	ug/l	98
69) o-Xylene	10.70	106	6591	0.686	ug/l	93
73) Isopropylbenzene	11.02	105	597974	22.385	ug/l	98
78) n-propylbenzene	11.36	91	3256788	111.180	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	3637612	166.445	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	9408296	424.032	ug/l	96
85) sec-Butylbenzene	11.94	105	369564	14.112	ug/l	96
86) p-Isopropyltoluene	12.06	119	228175	9.652	ug/l	98
95) Naphthalene	13.83	128	282943	10.673	ug/l #	92

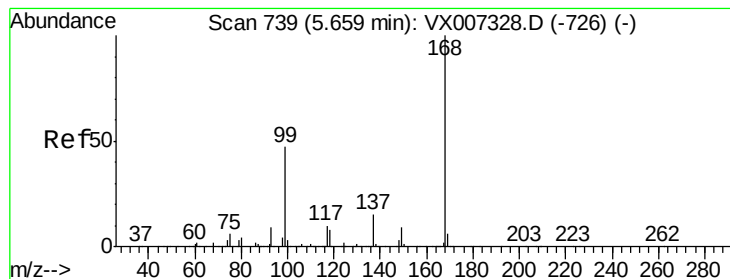
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Feb 02 01:32:36 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX007611.D

Acq: 19 Feb 2019 14:17

Instrument :

MSVOA_X

ClientSampled :

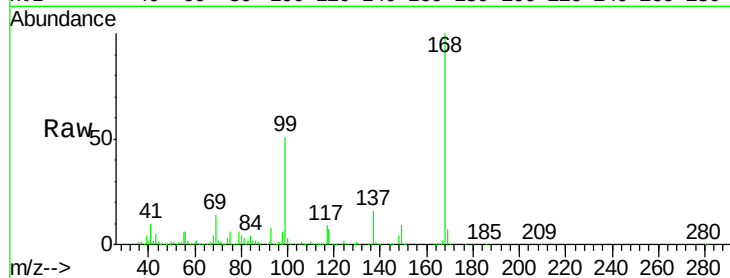
MW-2

Tot Ion:168 Resp: 485428

Ion Ratio Lower Upper

168 100

99 50.7 37.9 56.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

200000

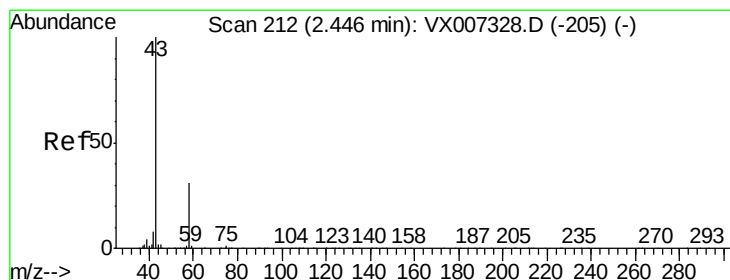
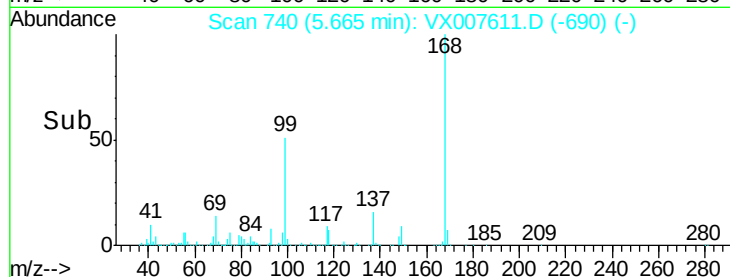
150000

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#16

Acetone

Concen: 9.317 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX007611.D

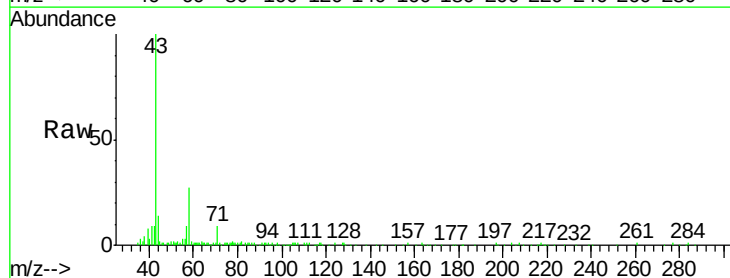
Acq: 19 Feb 2019 14:17

Tgt Ion: 43 Resp: 21989

Ion Ratio Lower Upper

43 100

58 26.4 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

120000

100000

80000

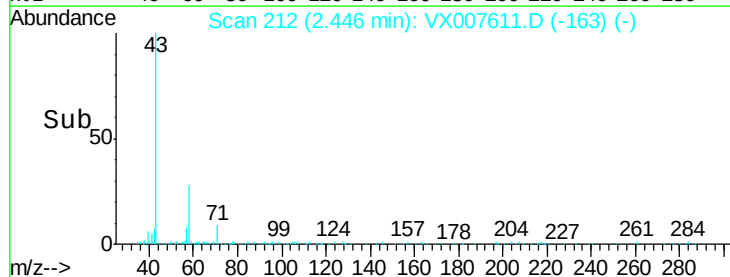
60000

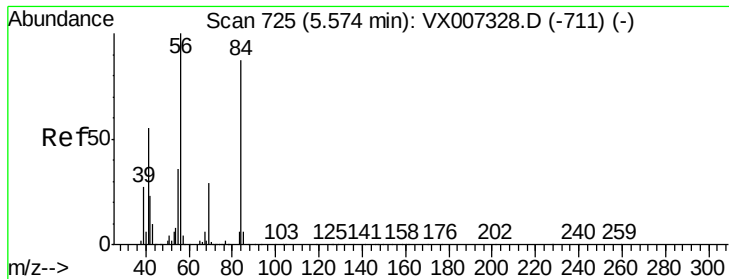
40000

20000

0

Time--> 2.40 2.45 2.50





#31

Cyclohexane

Concen: 107.179 ug/l

RT: 5.59 min Scan# 727

Delta R.T. 0.01 min

Lab File: VX007611.D

Acq: 19 Feb 2019 14:17

Instrument :

MSVOA_X

ClientSampled :

MW-2

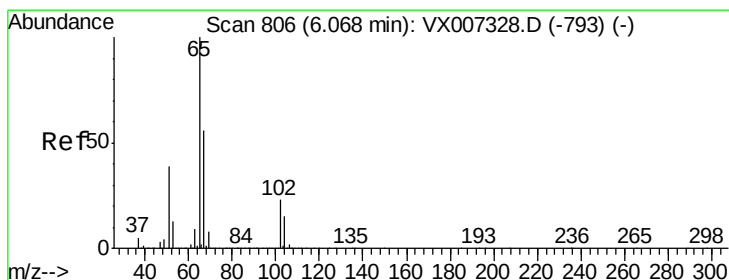
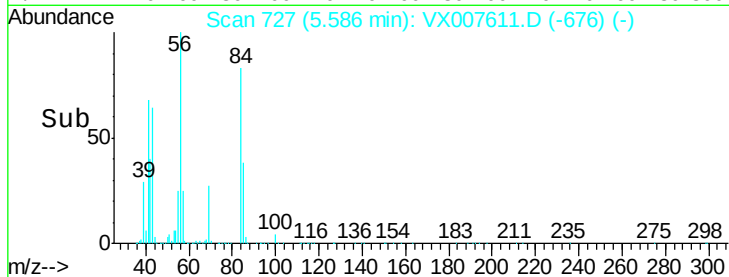
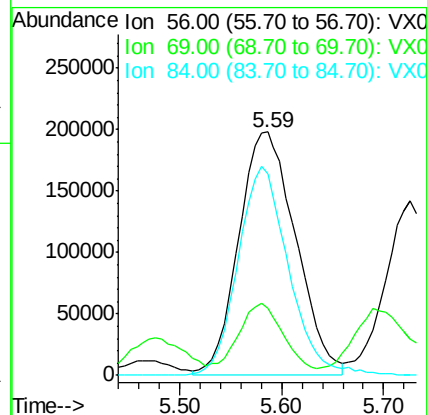
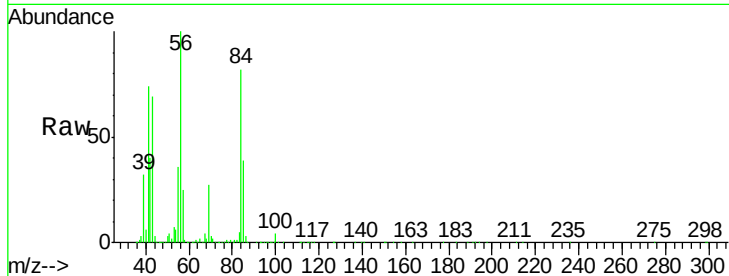
Tot Ion: 56 Resp: 767915

Ion Ratio Lower Upper

56 100

69 20.4 23.0 34.6#

84 83.4 69.8 104.6



#33

1,2-Dichloroethane-d4

Concen: 48.475 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX007611.D

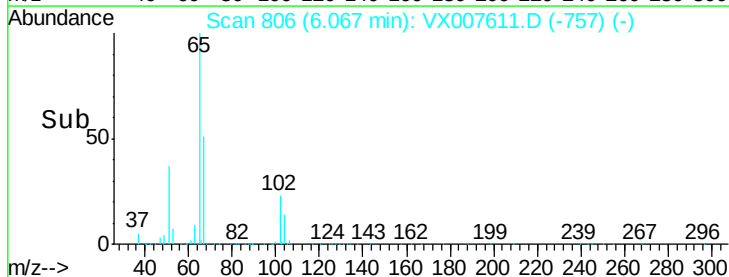
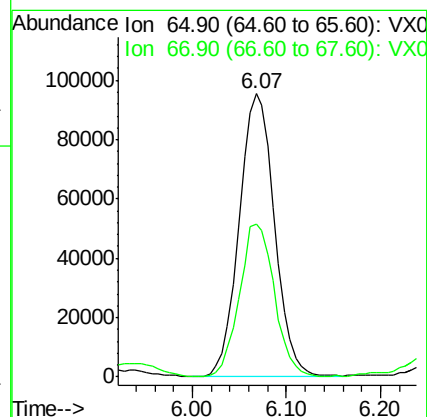
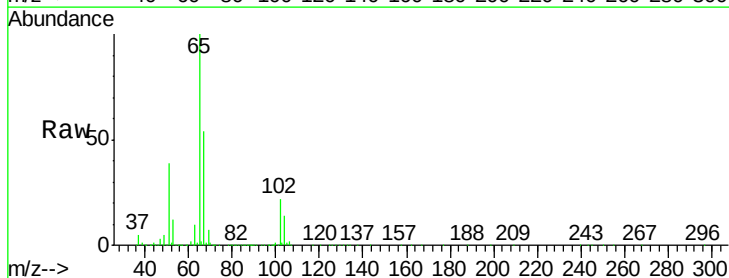
Acq: 19 Feb 2019 14:17

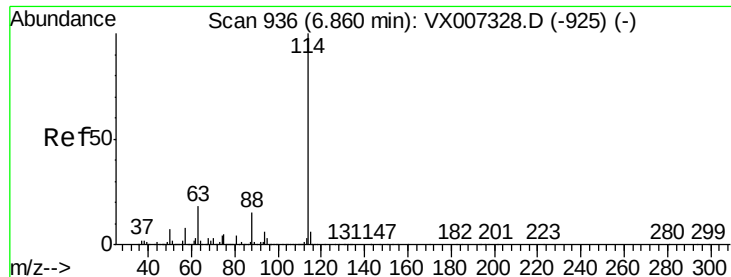
Tgt Ion: 65 Resp: 249765

Ion Ratio Lower Upper

65 100

67 52.8 0.0 108.8

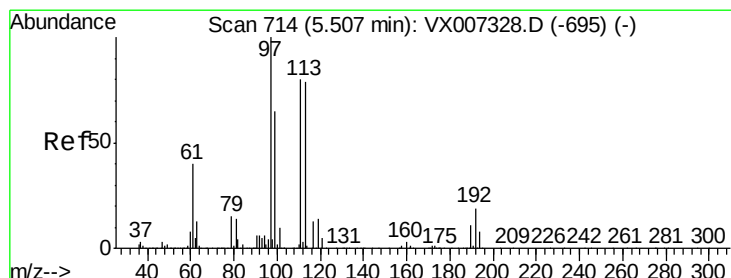
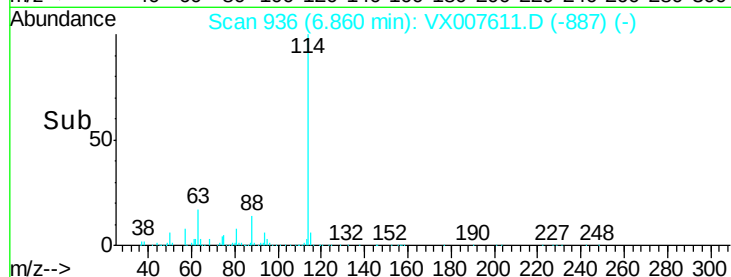
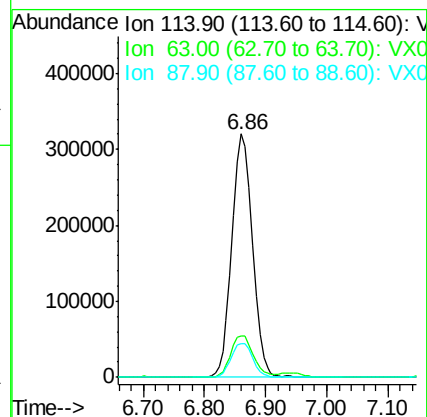
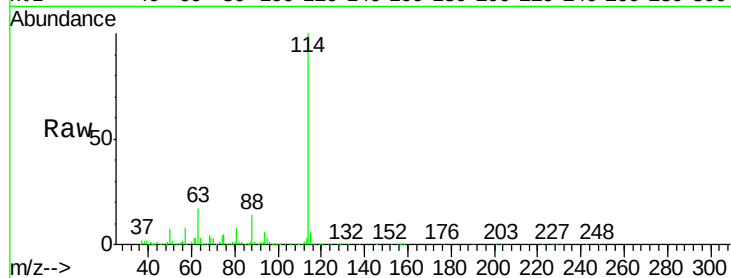




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.86 min Scan# 936
Delta R.T. -0.00 min
Lab File: VX007611.D
Acq: 19 Feb 2019 14:17

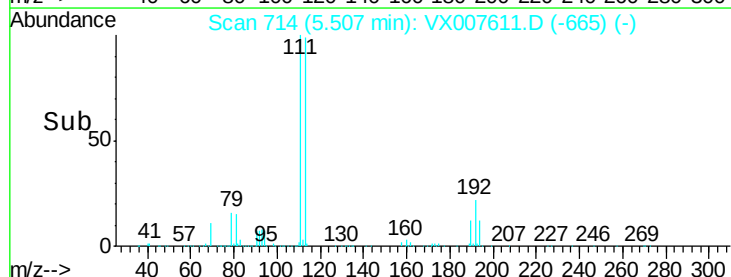
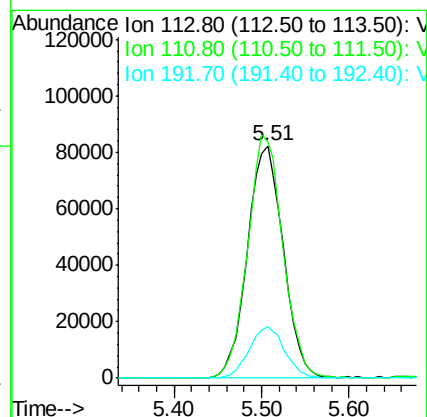
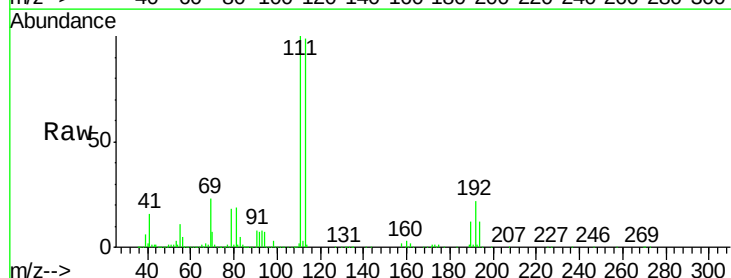
Instrument :
MSVOA_X
ClientSampleId :
MW-2

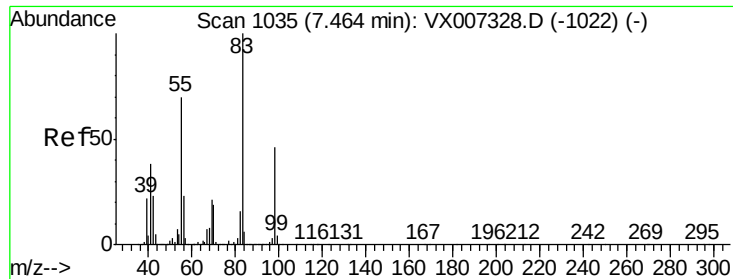
Tot Ion	Ratio	Lower	Upper
114	100		
63	16.7	0.0	35.6
88	13.8	0.0	29.6



#35
Dibromofluoromethane
Concen: 48.453 ug/l
RT: 5.51 min Scan# 714
Delta R.T. -0.00 min
Lab File: VX007611.D
Acq: 19 Feb 2019 14:17

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.8	81.8	122.8
192	22.0	18.5	27.7

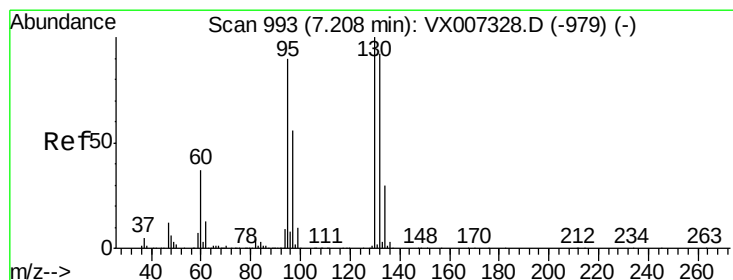
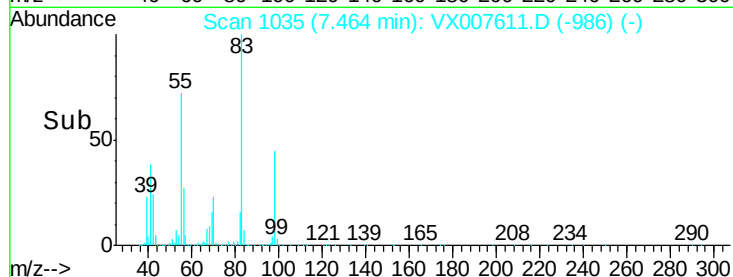
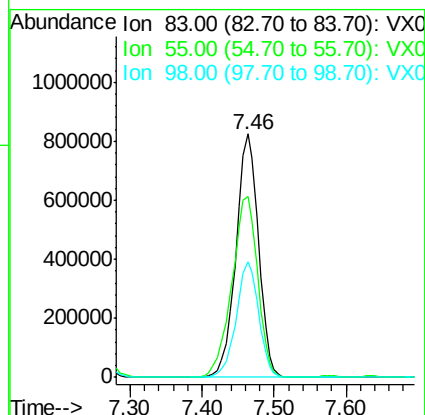
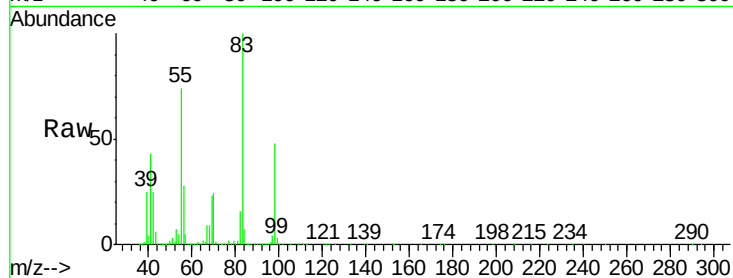




#39
Methylvlcyclohexane
Concen: 221.217 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX007611.D
Acq: 19 Feb 2019 14:17

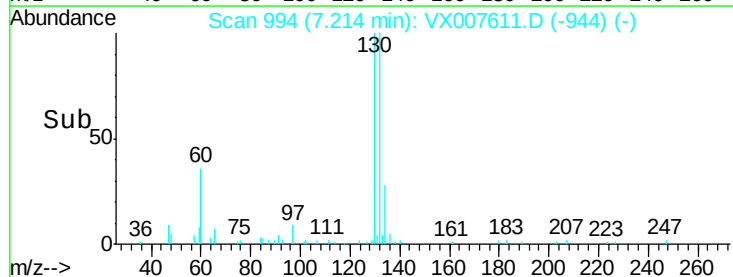
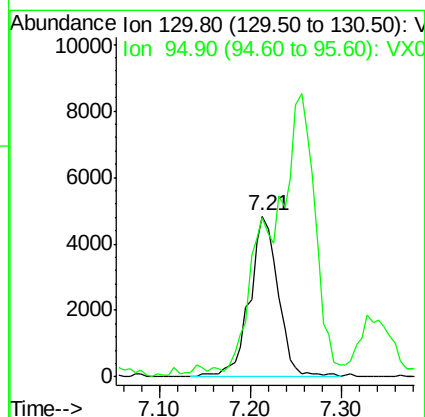
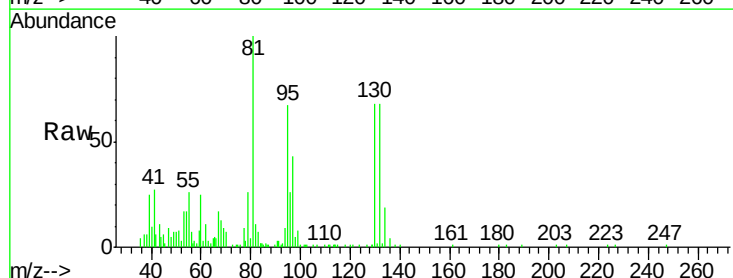
Instrument :
MSVOA_X
ClientSampled :
MW-2

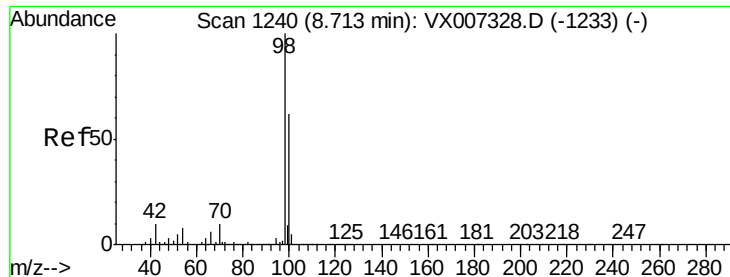
Tot Ion: 83 Resp: 1787254
Ion Ratio Lower Upper
83 100
55 74.4 56.2 84.2
98 47.5 36.8 55.2



#44
Trichloroethene
Concen: 1.779 ug/l
RT: 7.21 min Scan# 994
Delta R.T. 0.01 min
Lab File: VX007611.D
Acq: 19 Feb 2019 14:17

Tgt Ion:130 Resp: 10538
Ion Ratio Lower Upper
130 100
95 96.2 0.0 180.0





#50

Toluene-d8

Concen: 50.414 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX007611.D

Acq: 19 Feb 2019 14:17

Instrument :

MSVOA_X

ClientSampleId :

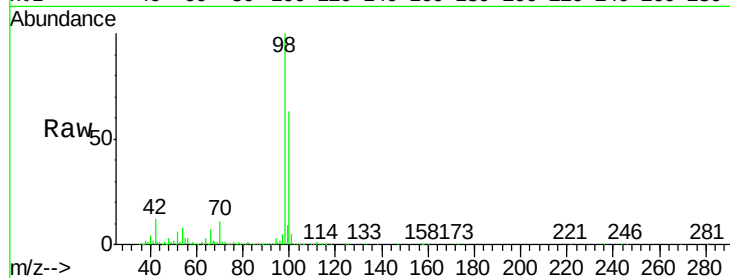
MW-2

Tot Ion: 98 Resp: 905754

Ion Ratio Lower Upper

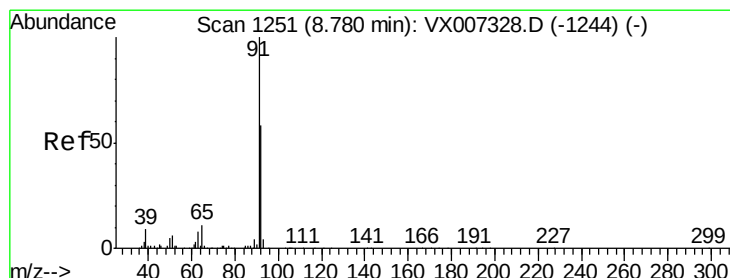
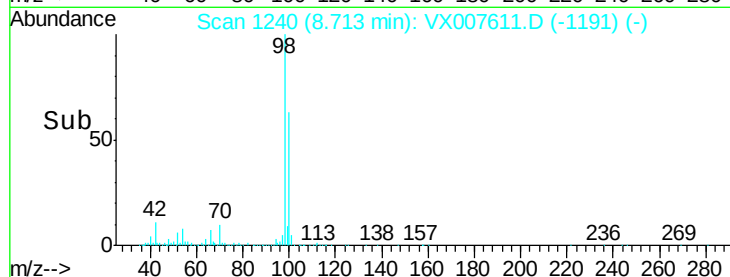
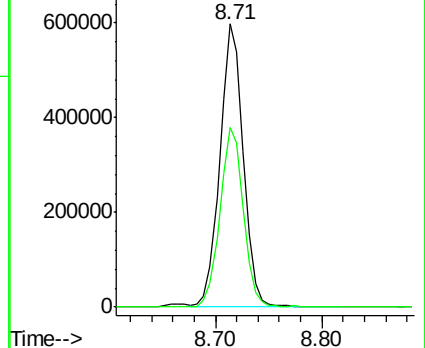
98 100

100 63.5 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0



#52

Toluene

Concen: 0.409 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.01 min

Lab File: VX007611.D

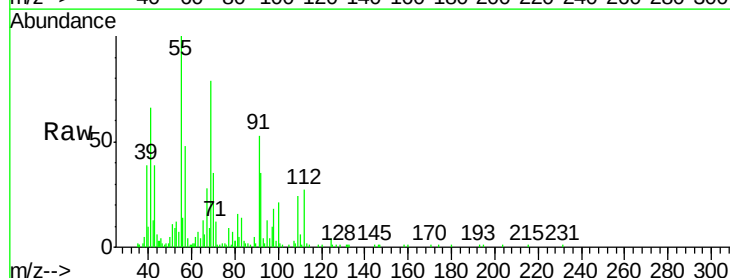
Acq: 19 Feb 2019 14:17

Tgt Ion: 92 Resp: 5191

Ion Ratio Lower Upper

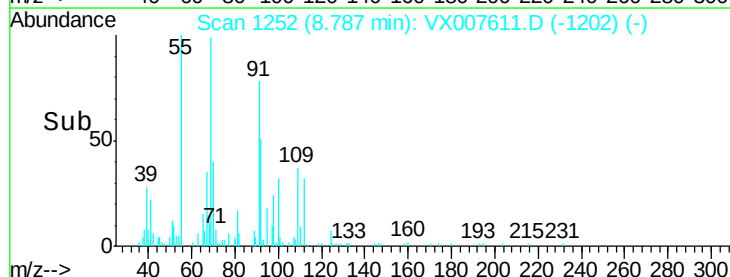
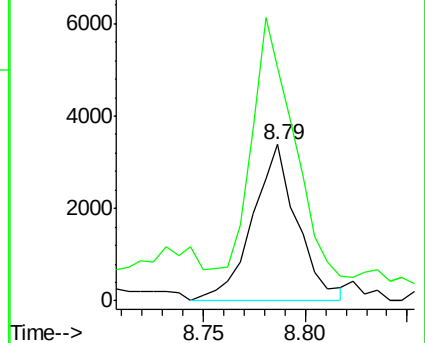
92 100

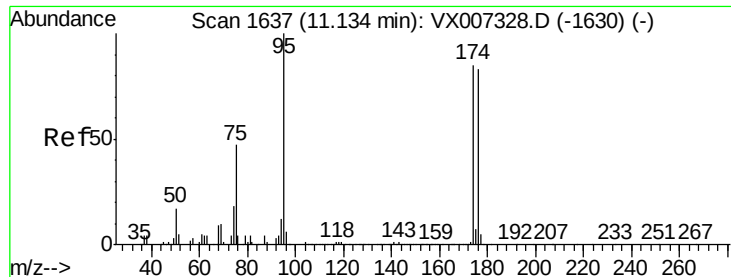
91 154.6 139.1 208.7



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





#62

4-Bromofluorobenzene

Concen: 52.670 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX007611.D

Acq: 19 Feb 2019 14:17

Instrument :

MSVOA_X

ClientSampleId :

MW-2

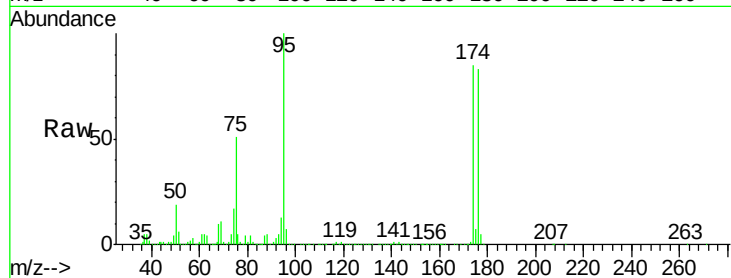
Tot Ion: 95 Resp: 345495

Ion Ratio Lower Upper

95 100

174 91.0 0.0 189.2

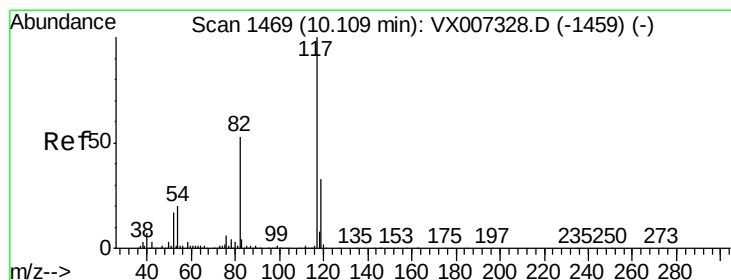
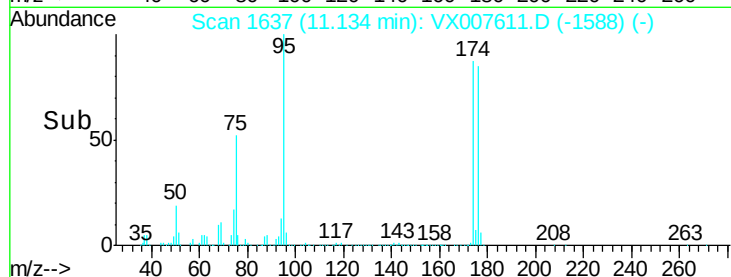
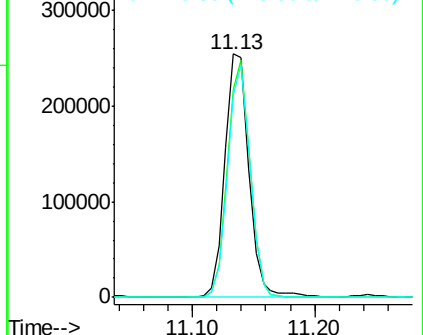
176 88.8 0.0 186.2



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



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. 0.01 min

Lab File: VX007611.D

Acq: 19 Feb 2019 14:17

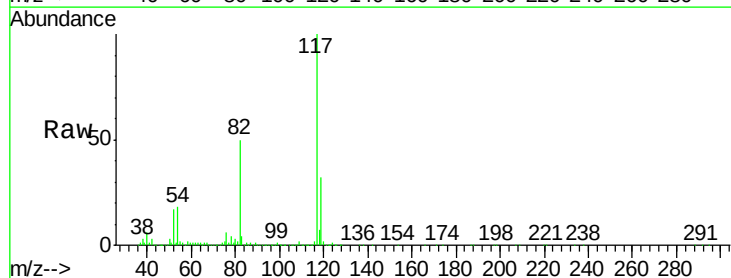
Tgt Ion: 117 Resp: 714959

Ion Ratio Lower Upper

117 100

82 50.1 42.1 63.1

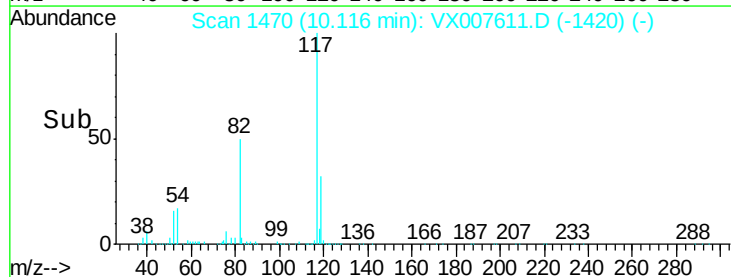
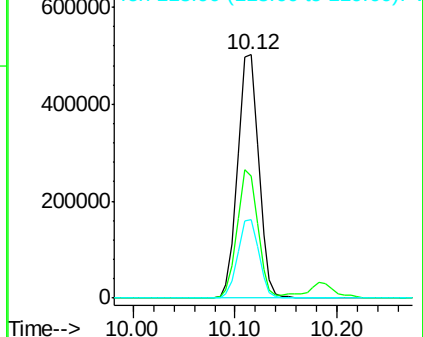
119 32.3 26.5 39.7

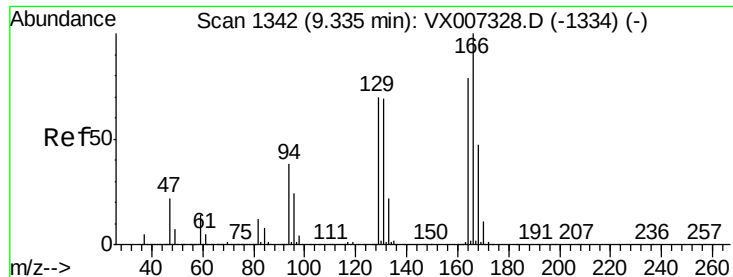


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#64

Tetrachloroethene

Concen: 10.925 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.00 min

Lab File: VX007611.D

Acq: 19 Feb 2019 14:17

Instrument :

MSVOA_X

ClientSampleId :

MW-2

Tot Ion:164 Resp: 73621

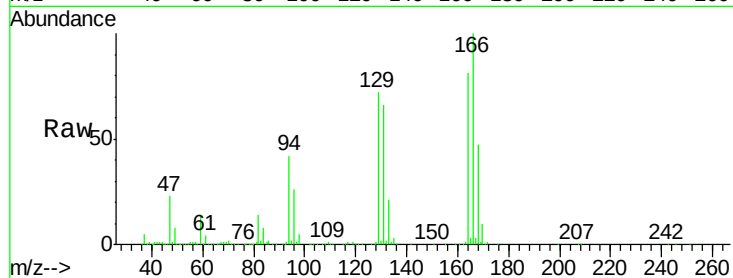
Ion Ratio Lower Upper

164 100

166 122.8 101.0 151.4

129 88.4 70.5 105.7

131 80.2 69.8 104.6

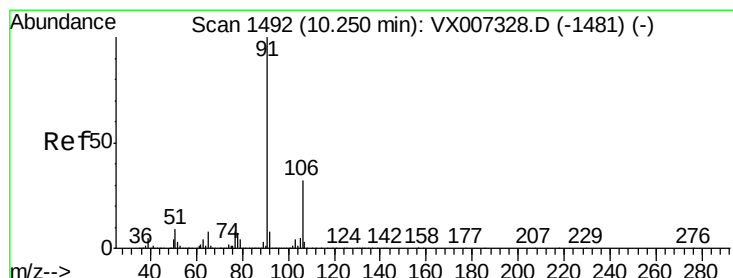
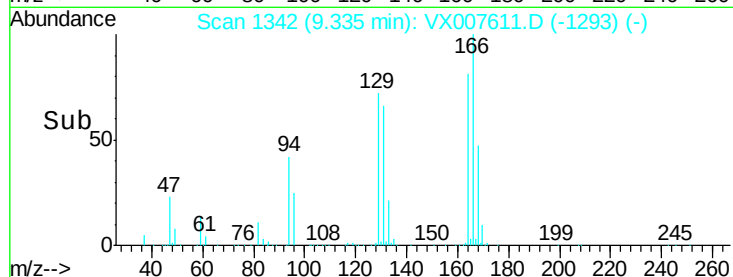
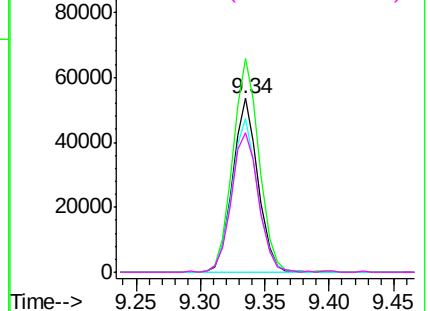


Abundance Ion 163.80 (163.50 to 164.50): V

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: 5.600 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX007611.D

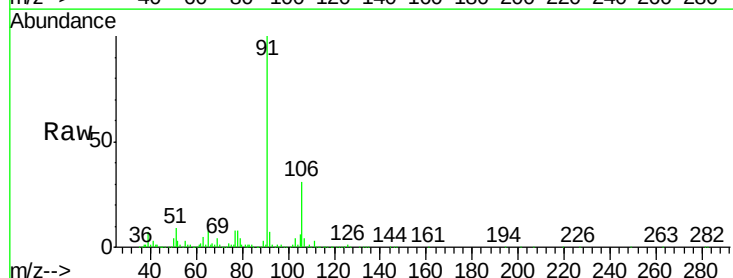
Acq: 19 Feb 2019 14:17

Tgt Ion: 91 Resp: 140687

Ion Ratio Lower Upper

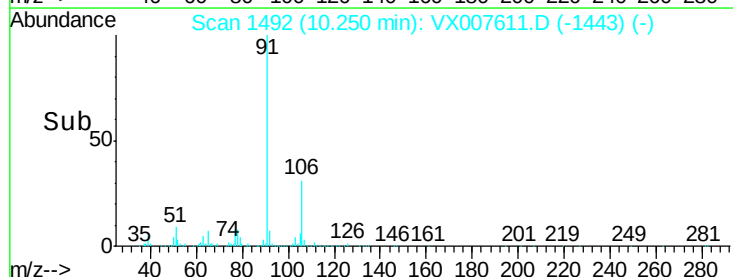
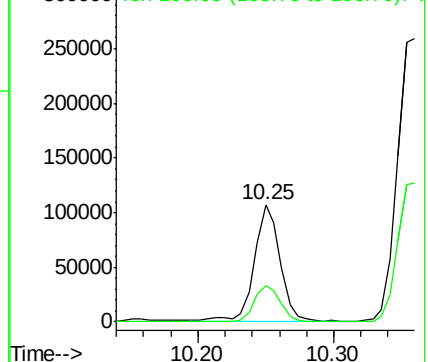
91 100

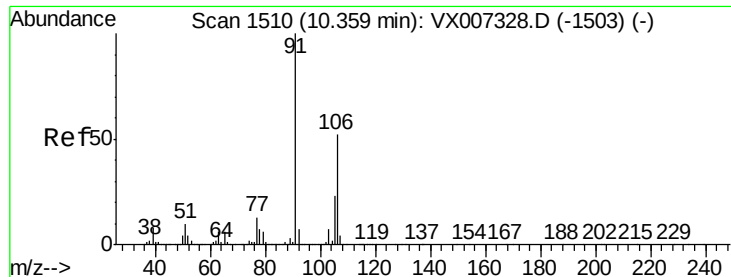
106 31.5 25.4 38.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V





#68

m/p-Xylenes

Concen: 17.907 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX007611.D

Acq: 19 Feb 2019 14:17

Instrument :

MSVOA_X

ClientSampleId :

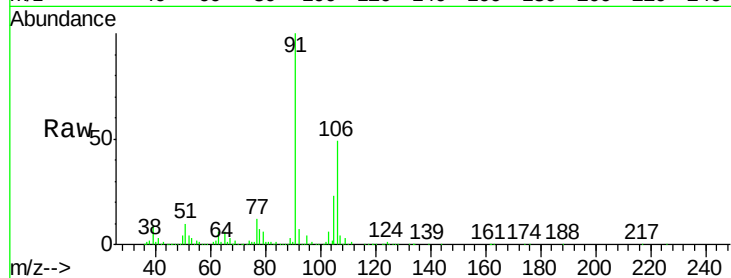
MW-2

Tot Ion:106 Resp: 178849

Ion Ratio Lower Upper

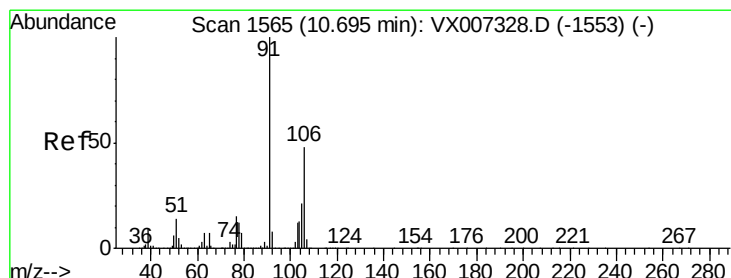
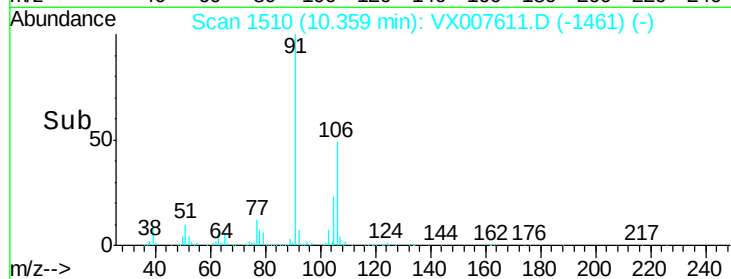
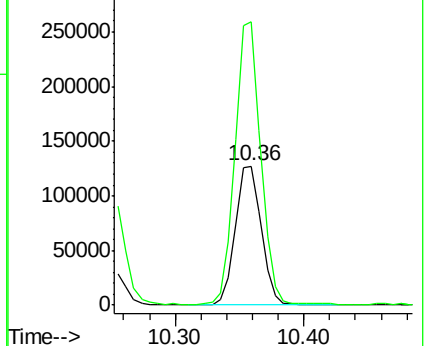
106 100

91 198.8 156.6 234.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#69

o-Xylene

Concen: 0.686 ug/l

RT: 10.70 min Scan# 1566

Delta R.T. 0.01 min

Lab File: VX007611.D

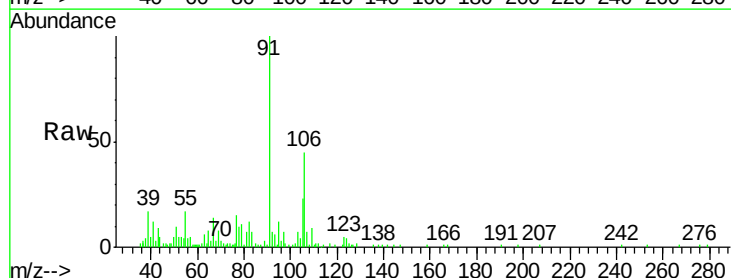
Acq: 19 Feb 2019 14:17

Tgt Ion:106 Resp: 6591

Ion Ratio Lower Upper

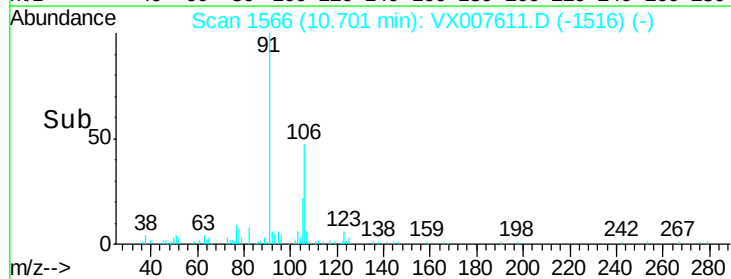
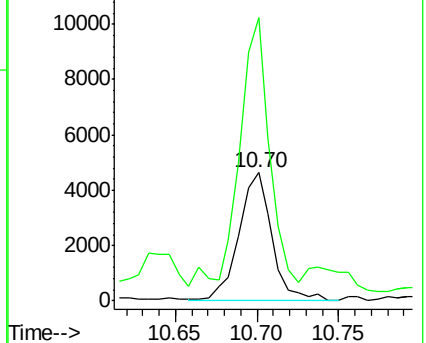
106 100

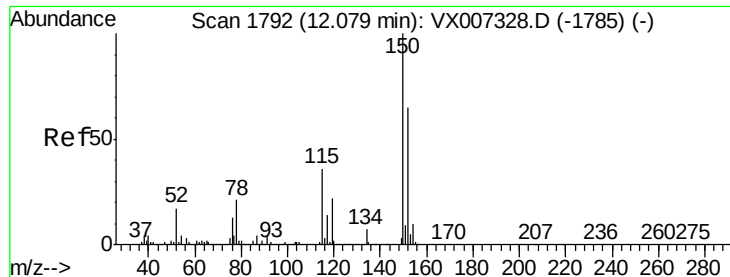
91 194.4 102.9 308.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



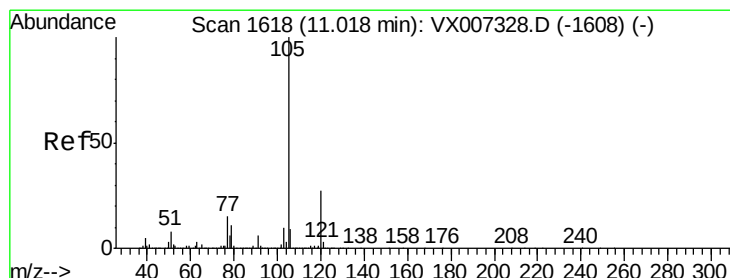
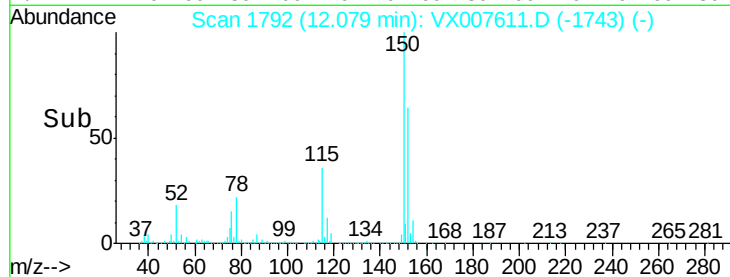
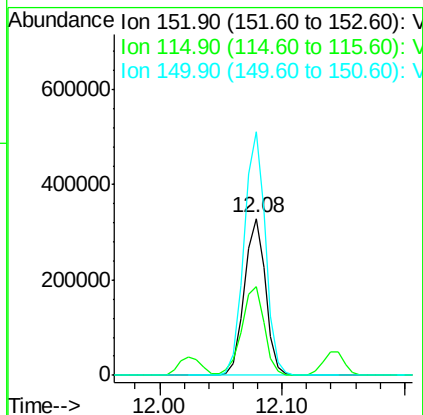
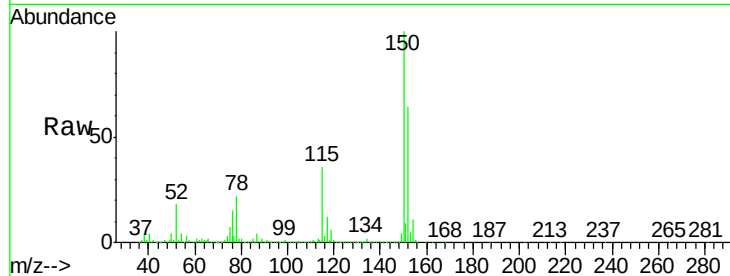


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX007611.D
Acq: 19 Feb 2019 14:17

Instrument :
MSVOA_X
ClientSampleId :
MW-2

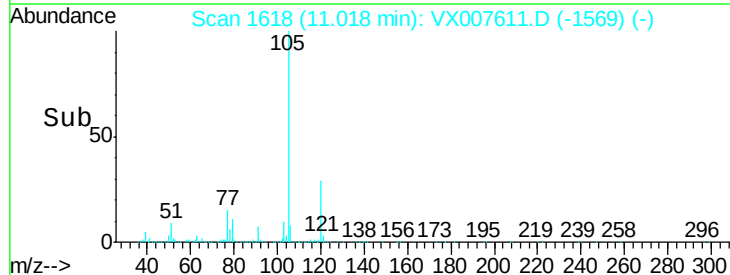
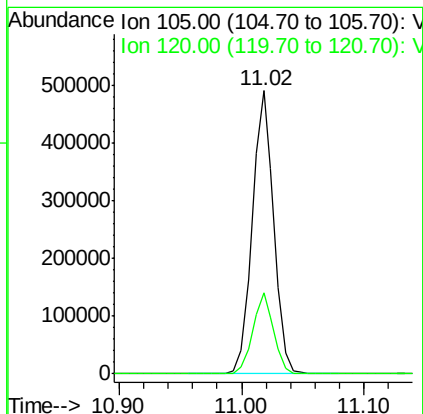
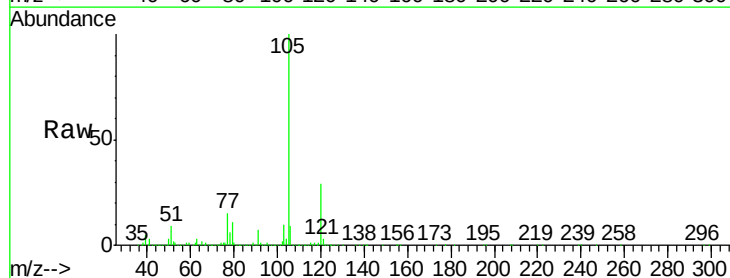
Tot Ion	Ratio	Lower	Upper
152	100		
115	60.1	38.0	114.0
150	156.2	0.0	346.4

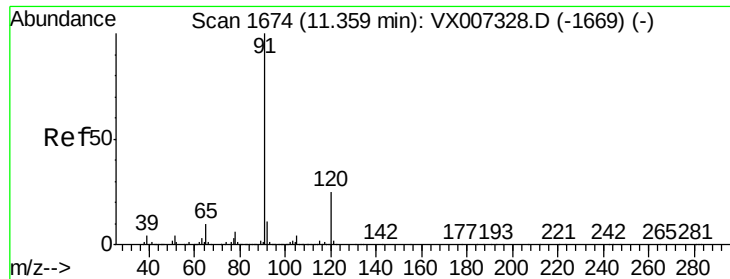


#73

Isopropylbenzene
Concen: 22.385 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX007611.D
Acq: 19 Feb 2019 14:17

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.9	13.6	40.7





#78

n-propylbenzene

Concen: 111.180 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX007611.D

Acq: 19 Feb 2019 14:17

Instrument :

MSVOA_X

ClientSampled :

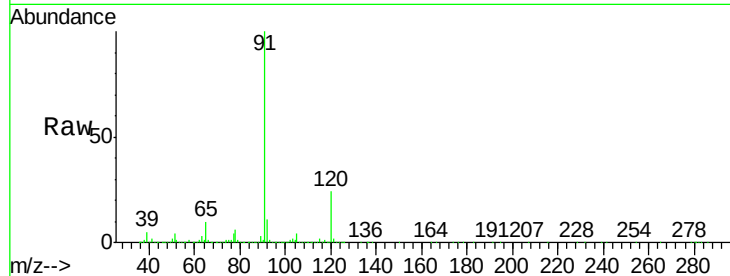
MW-2

Tot Ion: 91 Resp: 3256788

Ion Ratio Lower Upper

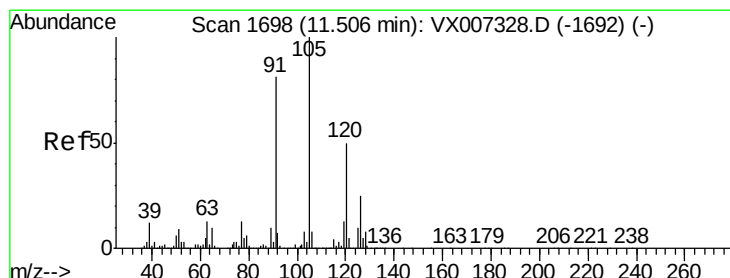
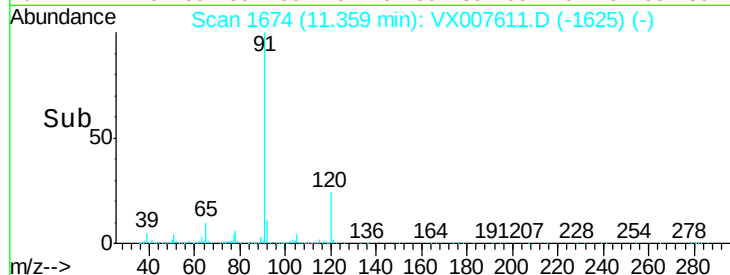
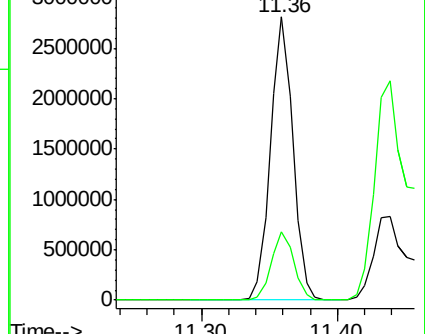
91 100

120 24.3 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: 166.445 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX007611.D

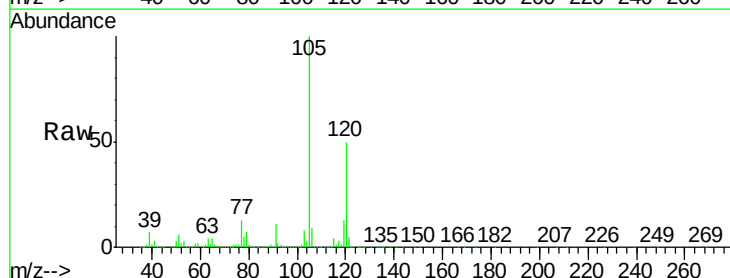
Acq: 19 Feb 2019 14:17

Tgt Ion:105 Resp: 3637612

Ion Ratio Lower Upper

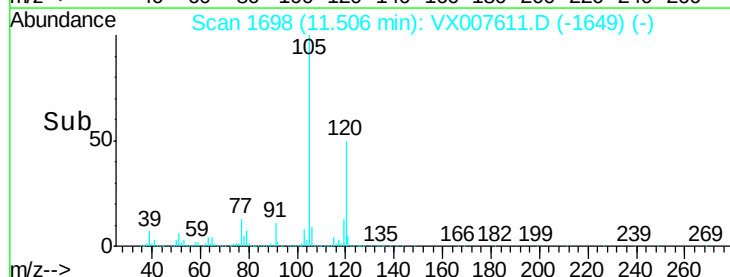
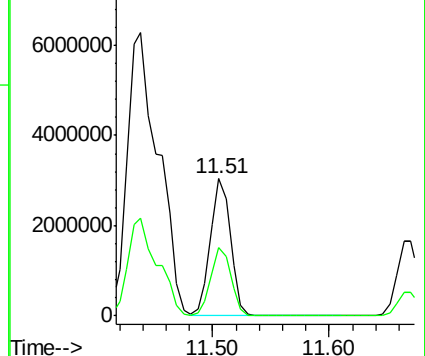
105 100

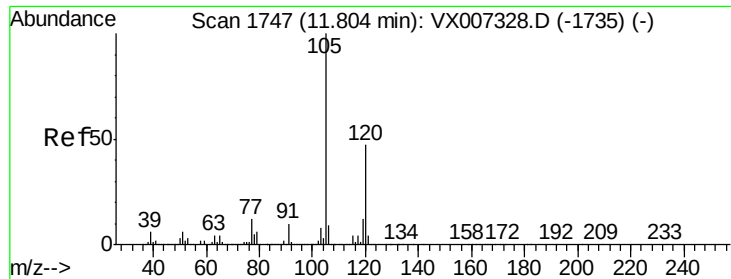
120 49.8 25.3 75.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

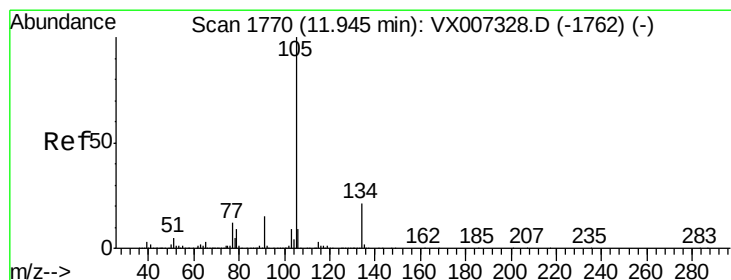
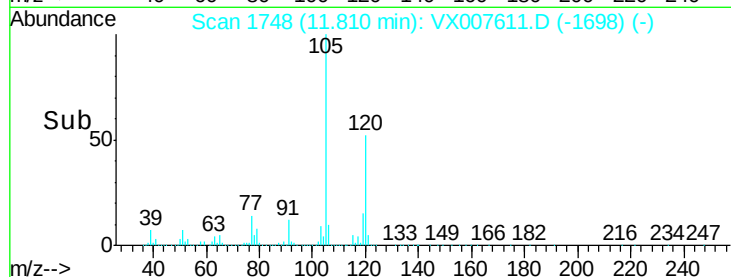
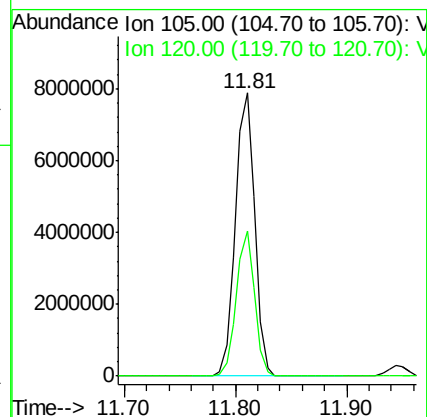
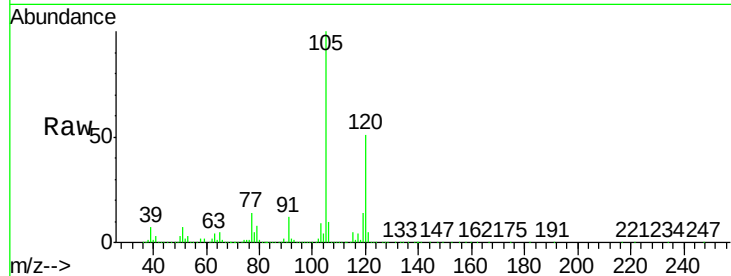




#84
 1,2,4-Trimethylbenzene
 Concen: 424.032 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. 0.01 min
 Lab File: VX007611.D
 Acq: 19 Feb 2019 14:17

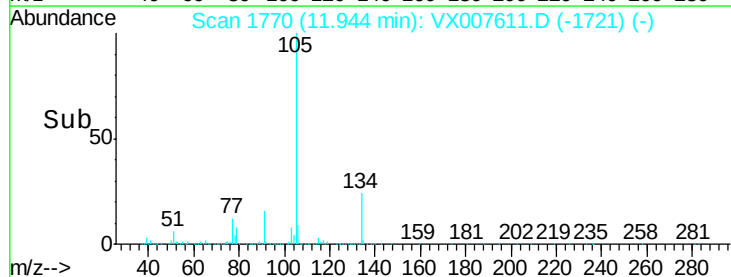
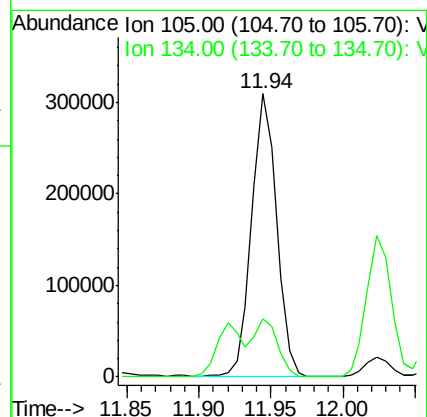
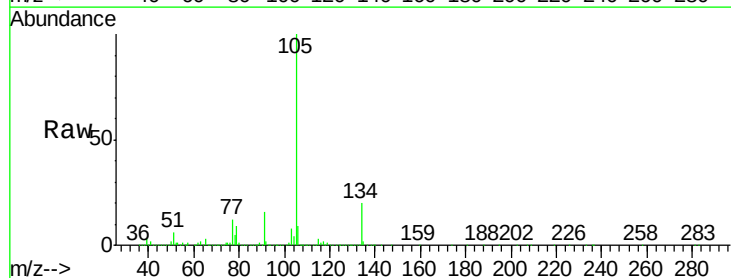
Instrument :
 MSVOA_X
 ClientSampled :
 MW-2

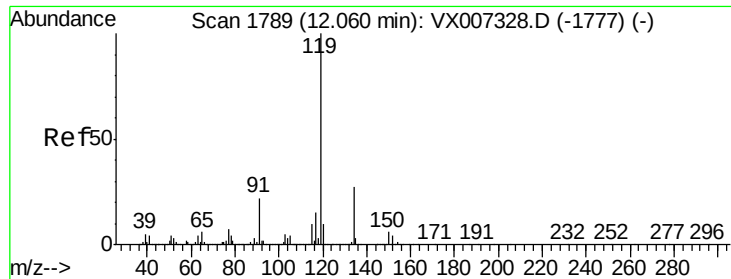
Tot Ion:105 Resp: 9408296
 Ion Ratio Lower Upper
 105 100
 120 48.6 23.1 69.3



#85
 sec-Butylbenzene
 Concen: 14.112 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.00 min
 Lab File: VX007611.D
 Acq: 19 Feb 2019 14:17

Tgt Ion:105 Resp: 369564
 Ion Ratio Lower Upper
 105 100
 134 19.3 10.6 31.8

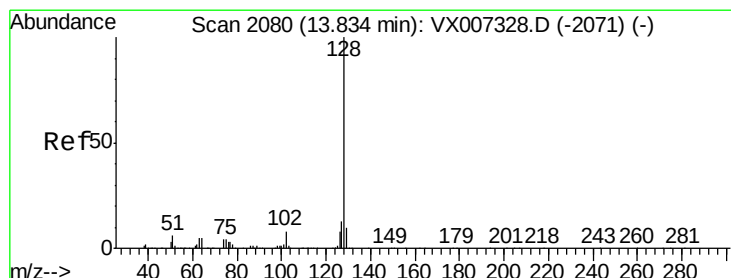
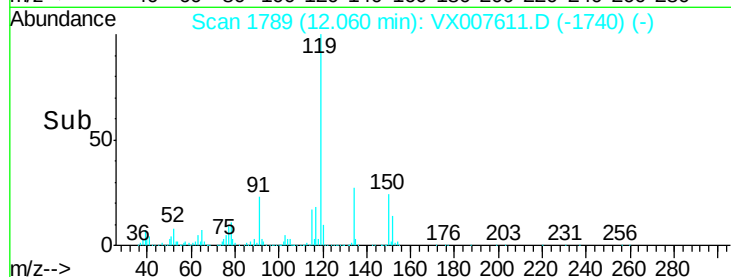
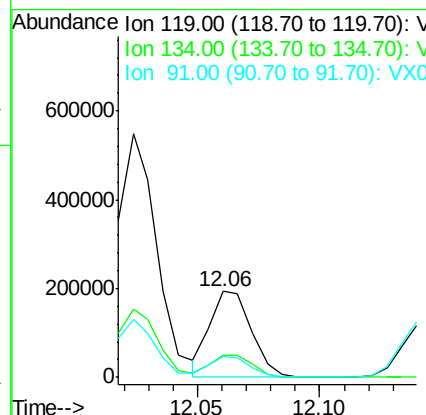
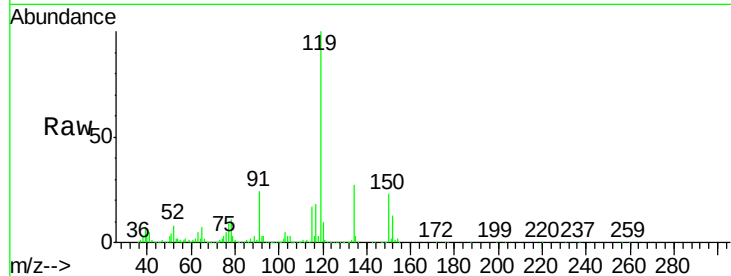




#86
 p-Isopropyltoluene
 Concen: 9.652 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. -0.00 min
 Lab File: VX007611.D
 Acq: 19 Feb 2019 14:17

Instrument :
 MSVOA_X
 ClientSampled :
 MW-2

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.8	13.7	41.1
91	23.2	11.2	33.5



#95
 Naphthalene
 Concen: 10.673 ug/l
 RT: 13.83 min Scan# 2080
 Delta R.T. -0.00 min
 Lab File: VX007611.D
 Acq: 19 Feb 2019 14:17

Tgt Ion	Ratio	Lower	Upper
128	100		
127	14.2	10.5	15.7
129	16.4	8.7	13.1#

