

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX021519\
 Data File : VX007550.D
 Acq On : 14 Feb 2019 17:15
 Operator : JC/SP
 Sample : K1460-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-901-20190207

Quant Time: Feb 15 06:09:19 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	486002	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	764840	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	729959	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	378314	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	265267	51.42	ug/l	0.00
Spiked Amount			Recovery	=	102.84%	
35) Dibromofluoromethane	5.51	113	243528	48.94	ug/l	0.00
Spiked Amount			Recovery	=	97.88%	
50) Toluene-d8	8.71	98	932830	50.52	ug/l	0.00
Spiked Amount			Recovery	=	101.04%	
62) 4-Bromofluorobenzene	11.13	95	349649	51.87	ug/l	0.00
Spiked Amount			Recovery	=	103.74%	

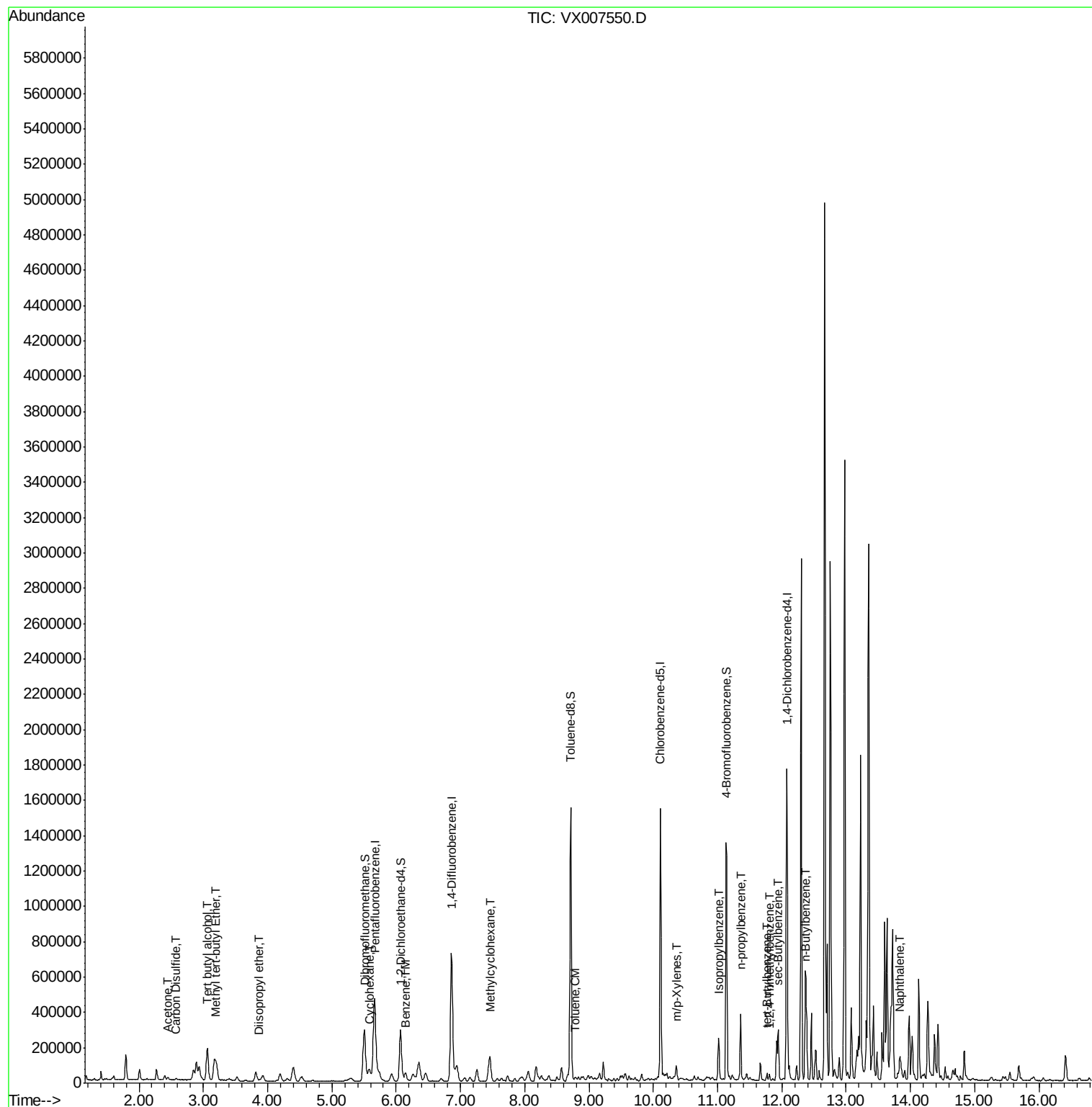
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.06	59	222908	208.802	ug/l	100
16) Acetone	2.45	43	15266	6.460	ug/l	97
17) Carbon Disulfide	2.57	76	10780	2.972	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	95956	6.383	ug/l #	79
22) Diisopropyl ether	3.86	45	8822	0.634	ug/l #	83
31) Cyclohexane	5.58	56	46863	6.533	ug/l	97
39) Methylcyclohexane	7.46	83	60035	7.231	ug/l	96
40) Benzene	6.15	78	62067	3.070	ug/l	96
52) Toluene	8.79	92	6041	0.463	ug/l	92
68) m/p-Xylenes	10.36	106	17365	1.703	ug/l	93
73) Isopropylbenzene	11.02	105	124360	4.837	ug/l	100
78) n-propylbenzene	11.36	91	225020	7.982	ug/l	99
83) tert-Butylbenzene	11.77	119	15949	0.766	ug/l	95
84) 1,2,4-Trimethylbenzene	11.80	105	16058	0.752	ug/l	100
85) sec-Butylbenzene	11.94	105	146751	5.823	ug/l	96
89) n-Butylbenzene	12.38	91	196551	10.043	ug/l #	68
95) Naphthalene	13.83	128	79424	3.113	ug/l #	88

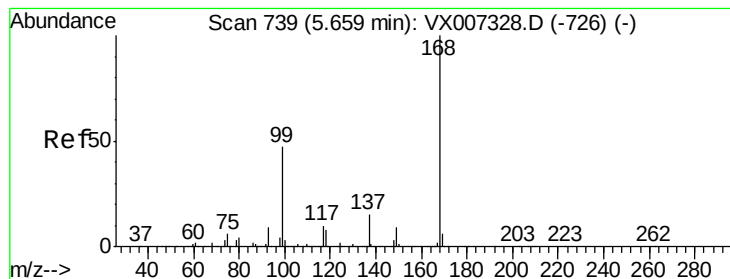
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MW-901-20190207

Quant Time: Feb 15 06:09:19 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X020119W.M
Quant Title : SW846 8260
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: VX007550.D

Acq: 14 Feb 2019 17:15

Instrument :

MSVOA_X

ClientSampleId :

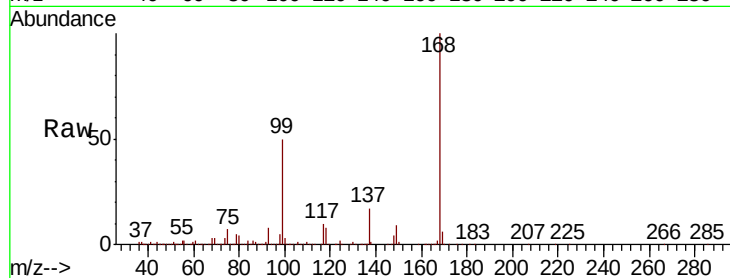
MW-901-20190207

Tot Ion:168 Resp: 486002

Ion Ratio Lower Upper

168 100

99 50.3 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

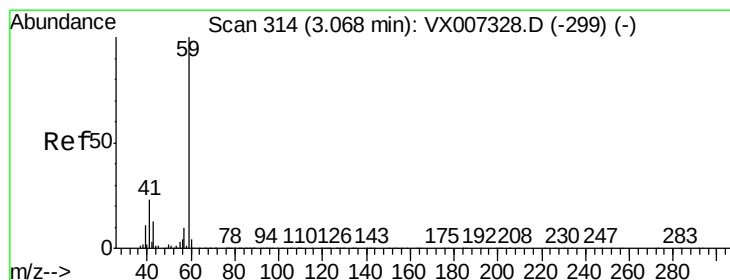
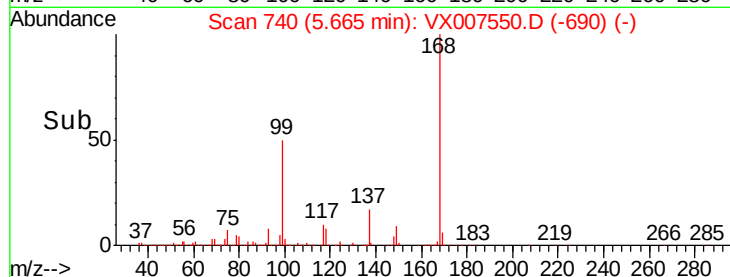
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 208.802 ug/l

RT: 3.06 min Scan# 313

Delta R.T. -0.01 min

Lab File: VX007550.D

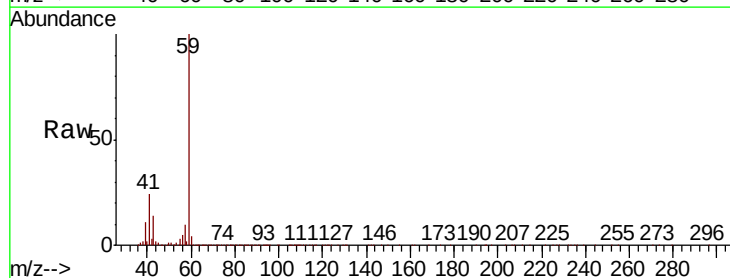
Acq: 14 Feb 2019 17:15

Tgt Ion: 59 Resp: 222908

Ion Ratio Lower Upper

59 100

57 10.0 8.1 12.1



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.06

100000

80000

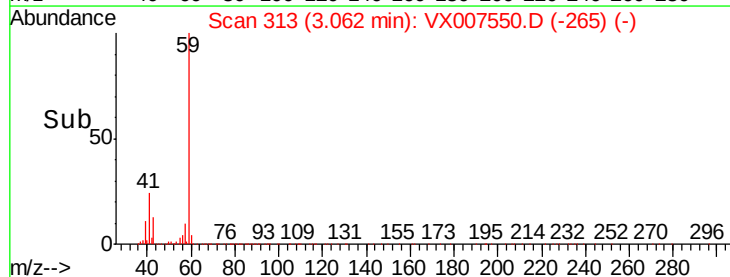
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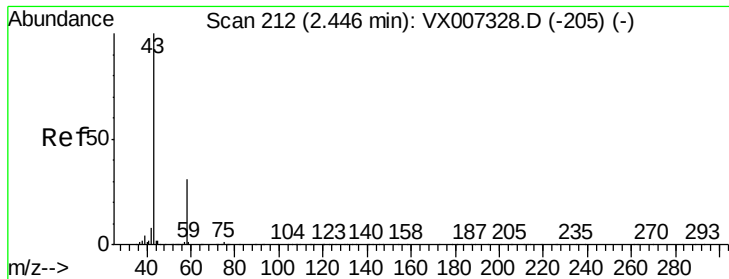
40000

20000

0

Time-->





#16

Acetone

Concen: 6.460 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX007550.D

Acq: 14 Feb 2019 17:15

Instrument :

MSVOA_X

ClientSampleId :

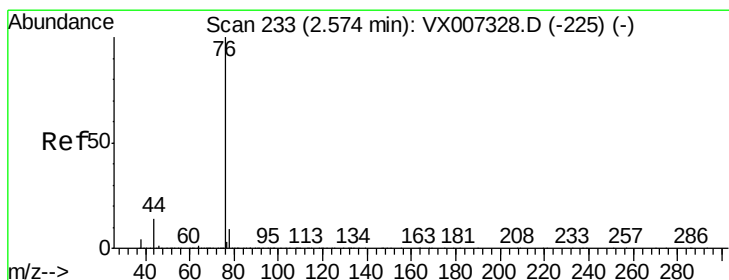
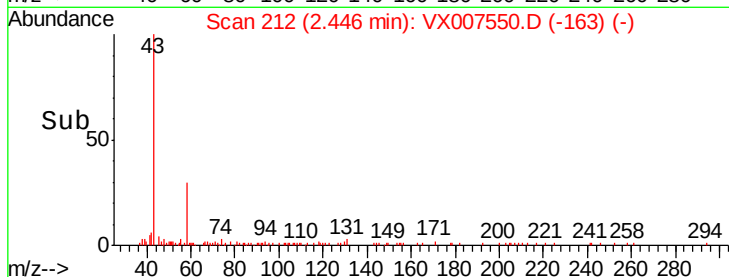
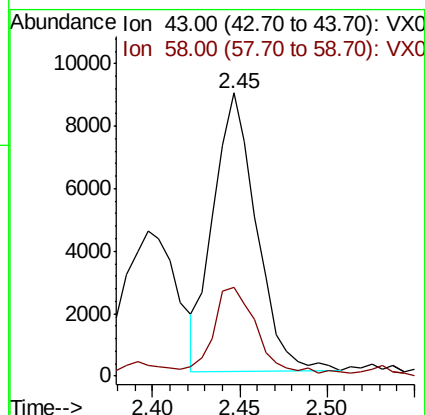
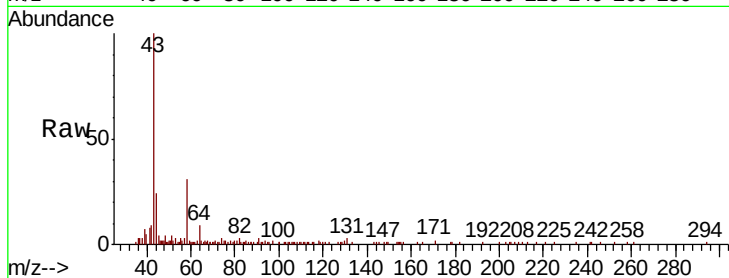
MW-901-20190207

Tot Ion: 43 Resp: 15266

Ion Ratio Lower Upper

43 100

58 29.2 24.9 37.3



#17

Carbon Disulfide

Concen: 2.972 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.00 min

Lab File: VX007550.D

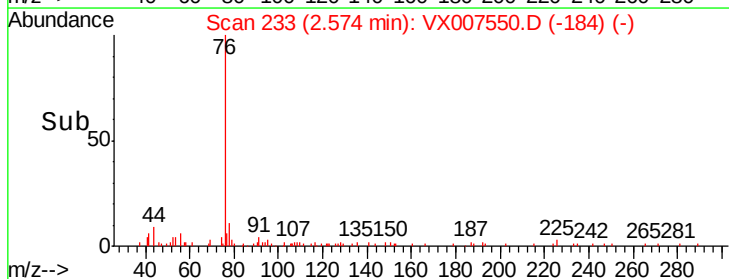
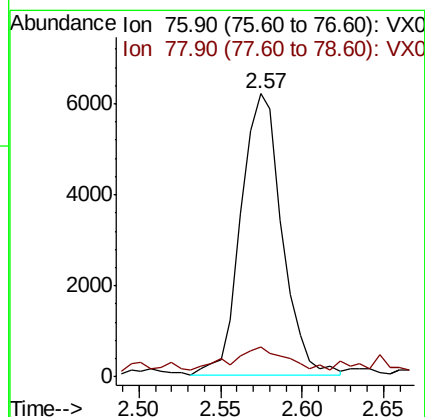
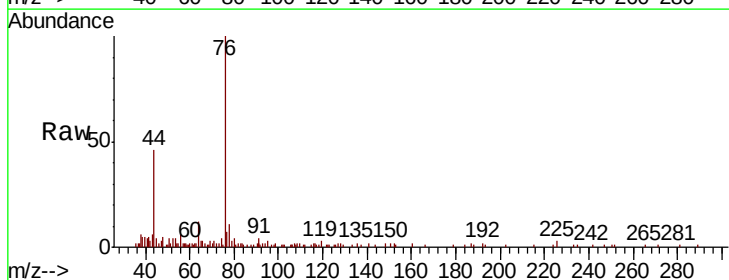
Acq: 14 Feb 2019 17:15

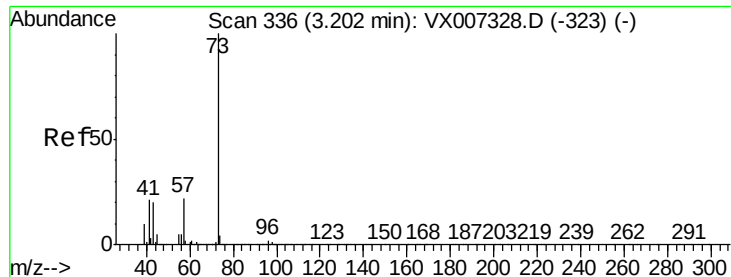
Tgt Ion: 76 Resp: 10780

Ion Ratio Lower Upper

76 100

78 8.4 7.1 10.7

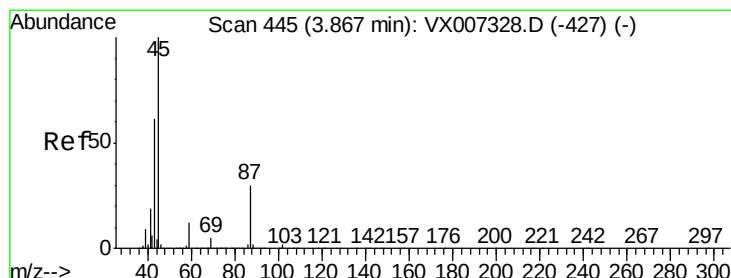
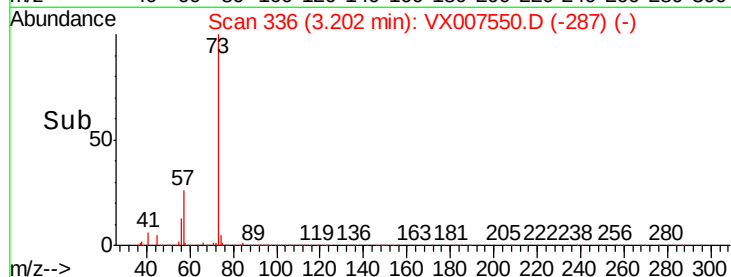
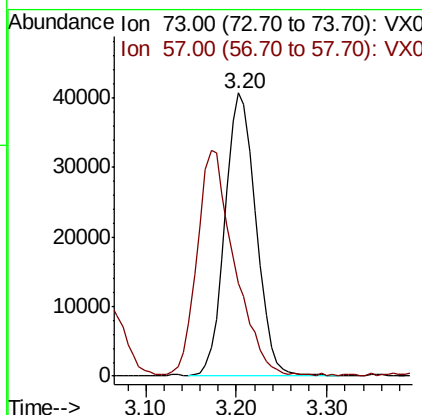
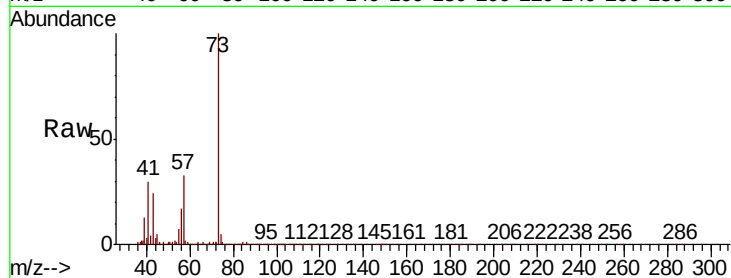




#19
Methyl tert-butyl Ether
Concen: 6.383 ug/l
RT: 3.20 min Scan# 336
Delta R.T. 0.00 min
Lab File: VX007550.D
Acq: 14 Feb 2019 17:15

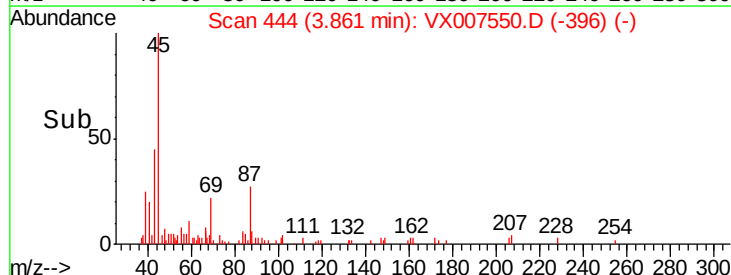
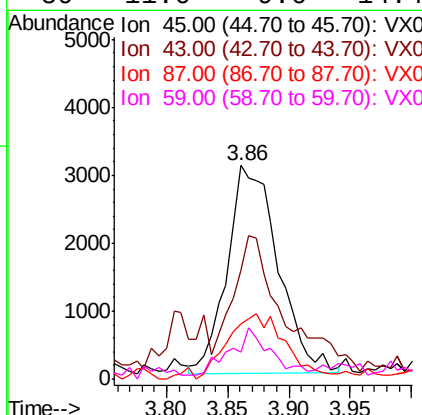
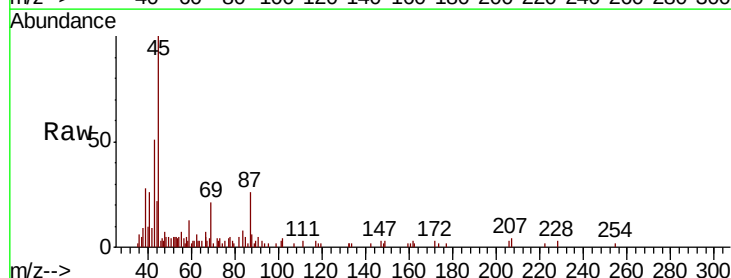
Instrument :
MSVOA_X
ClientSampleId :
MW-901-20190207

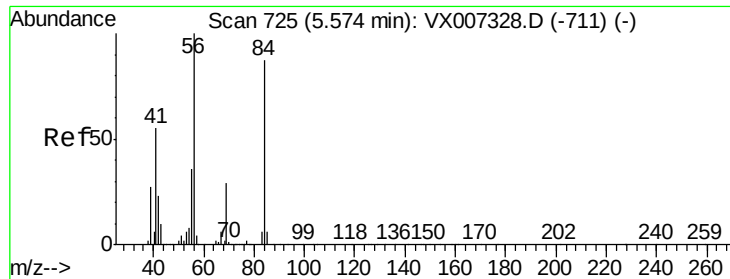
Tot Ion: 73 Resp: 95956
Ion Ratio Lower Upper
73 100
57 32.4 17.8 26.8#



#22
Diisopropyl ether
Concen: 0.634 ug/l
RT: 3.86 min Scan# 444
Delta R.T. -0.01 min
Lab File: VX007550.D
Acq: 14 Feb 2019 17:15

Tgt Ion: 45 Resp: 8822
Ion Ratio Lower Upper
45 100
43 42.3 48.9 73.3#
87 25.0 23.9 35.9
59 11.6 9.6 14.4

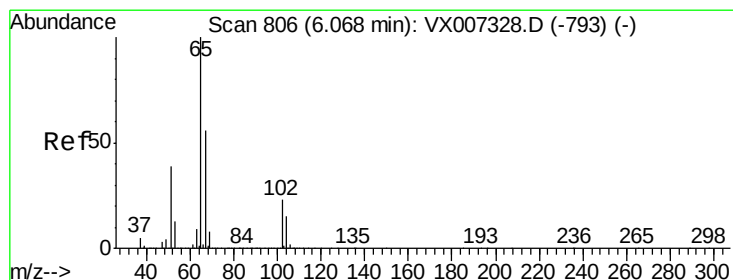
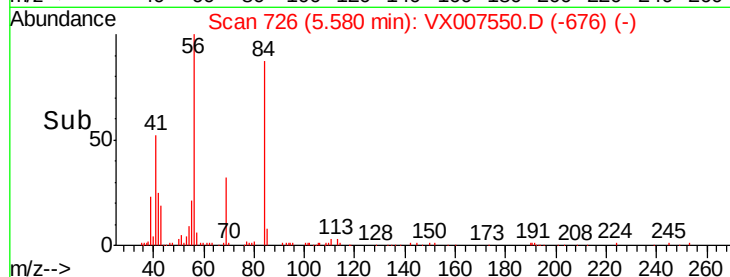
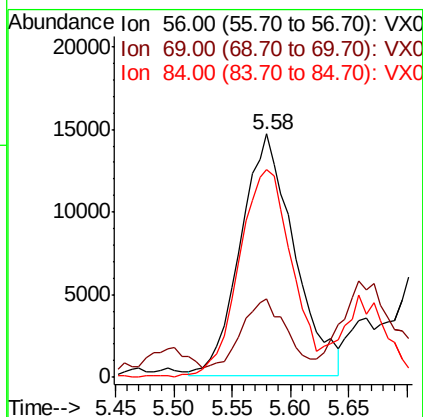
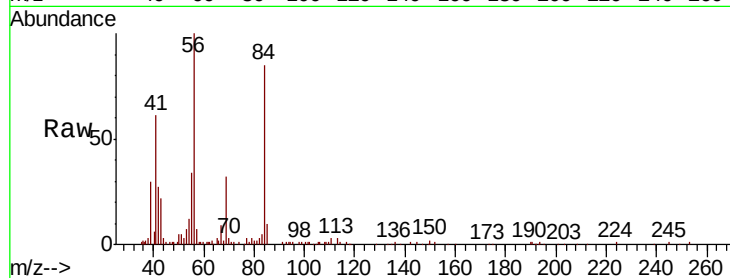




#31
Cyclohexane
Concen: 6.533 ug/l
RT: 5.58 min Scan# 726
Delta R.T. 0.01 min
Lab File: VX007550.D
Acq: 14 Feb 2019 17:15

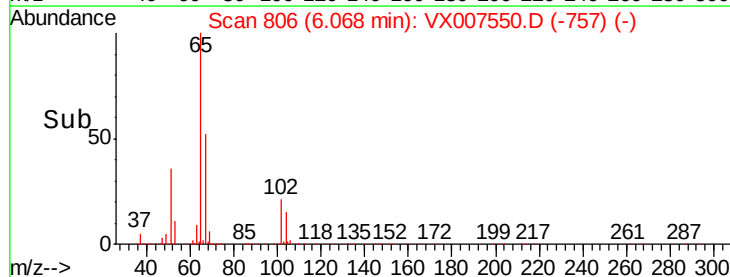
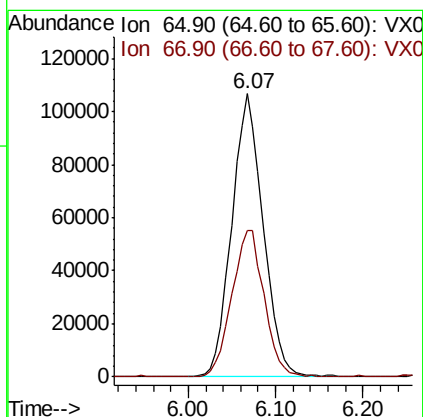
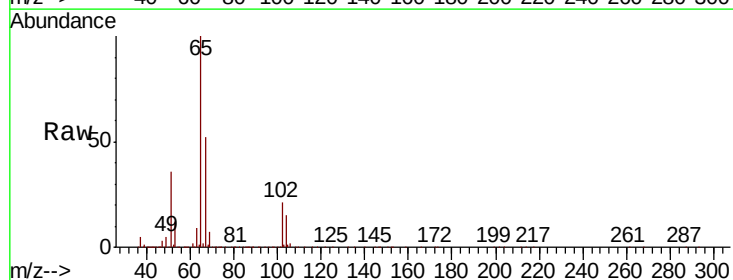
Instrument :
MSVOA_X
ClientSampleId :
MW-901-20190207

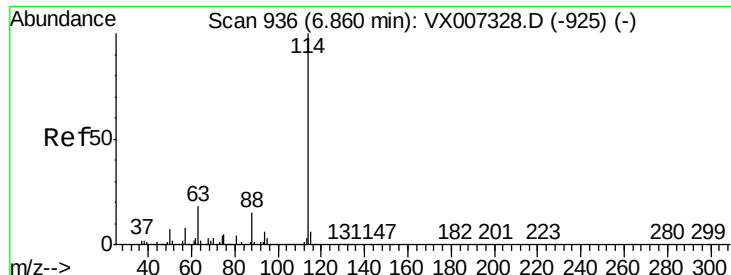
Tot Ion: 56 Resp: 46863
Ion Ratio Lower Upper
56 100
69 24.0 23.0 34.6
84 86.2 69.8 104.6



#33
1,2-Dichloroethane-d4
Concen: 51.423 ug/l
RT: 6.07 min Scan# 806
Delta R.T. 0.00 min
Lab File: VX007550.D
Acq: 14 Feb 2019 17:15

Tgt Ion: 65 Resp: 265267
Ion Ratio Lower Upper
65 100
67 53.0 0.0 108.8

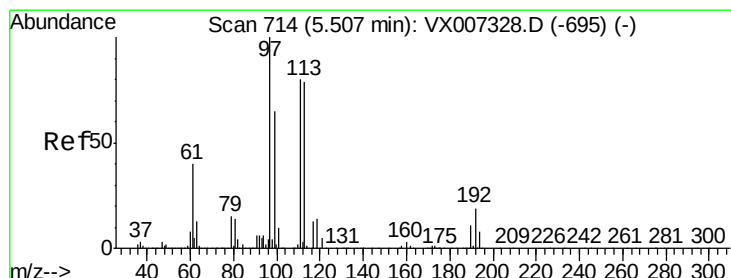
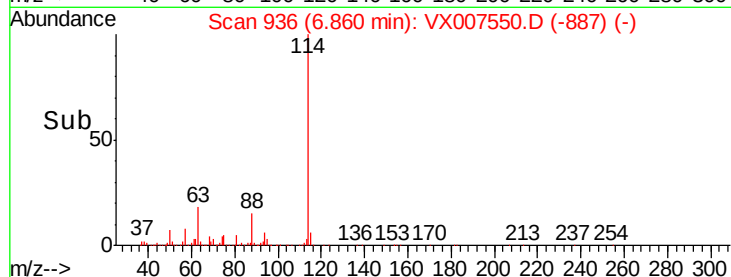
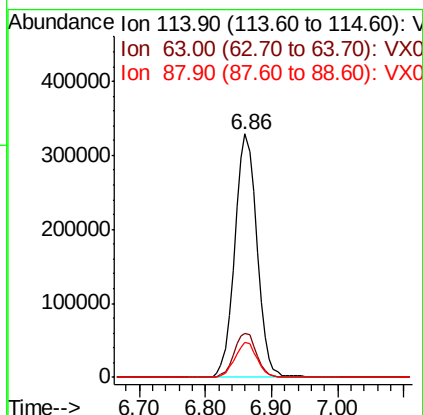
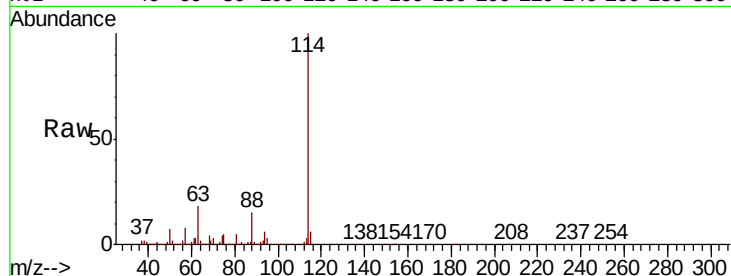




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.86 min Scan# 936
Delta R.T. 0.00 min
Lab File: VX007550.D
Acq: 14 Feb 2019 17:15

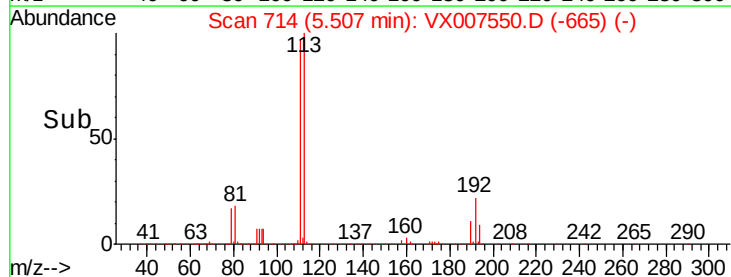
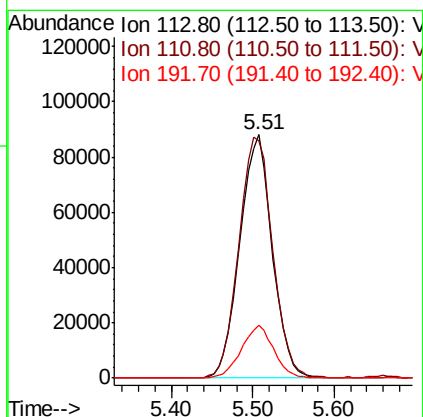
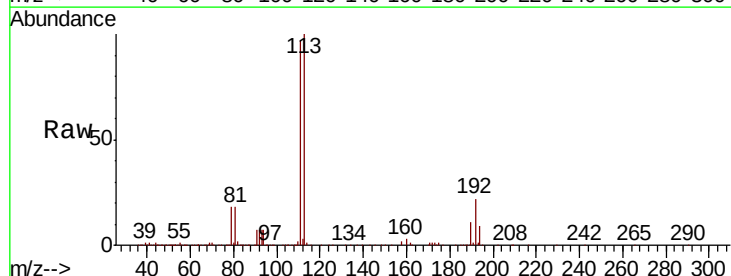
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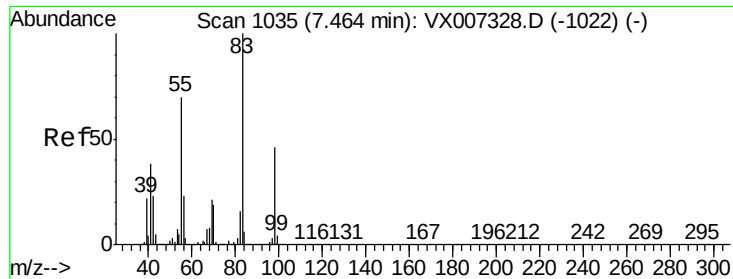
Tot Ion	Ratio	Lower	Upper
114	100		
63	18.2	0.0	35.6
88	14.5	0.0	29.6



#35
Dibromofluoromethane
Concen: 48.935 ug/l
RT: 5.51 min Scan# 714
Delta R.T. 0.00 min
Lab File: VX007550.D
Acq: 14 Feb 2019 17:15

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.3	81.8	122.8
192	21.6	18.5	27.7

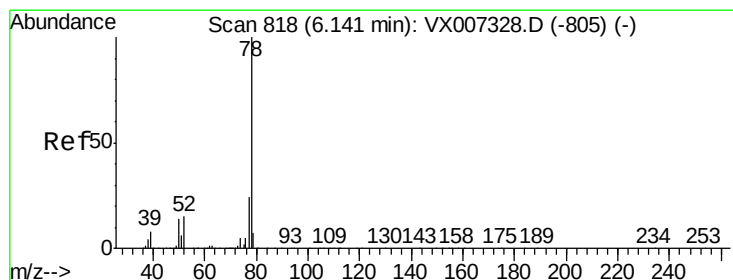
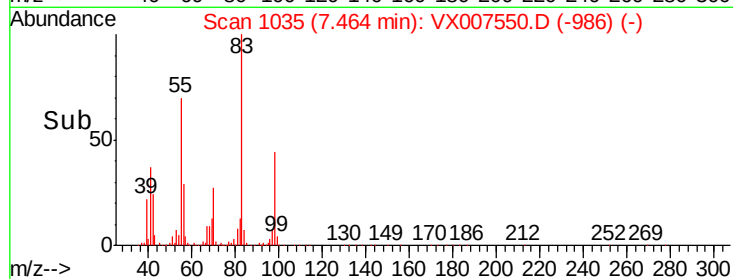
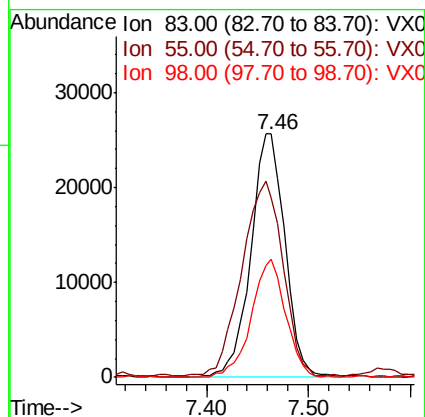
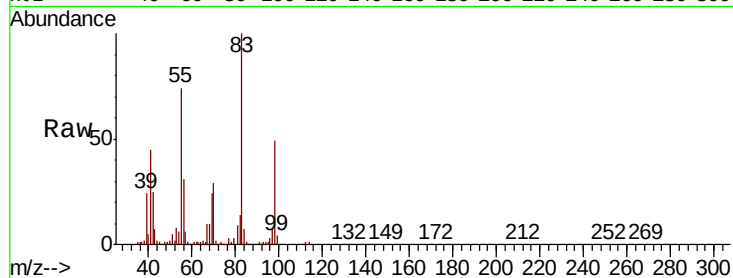




#39
Methylvlcyclohexane
Concen: 7.231 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX007550.D
Acq: 14 Feb 2019 17:15

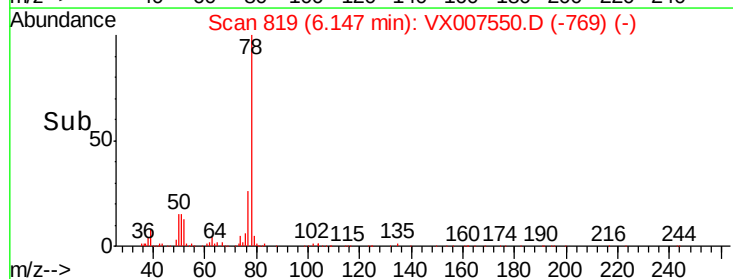
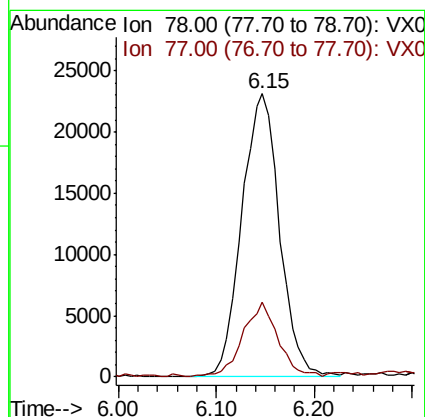
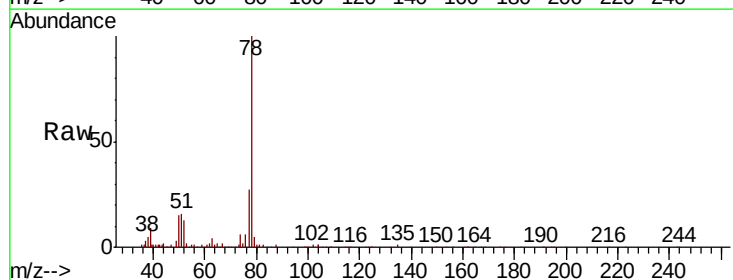
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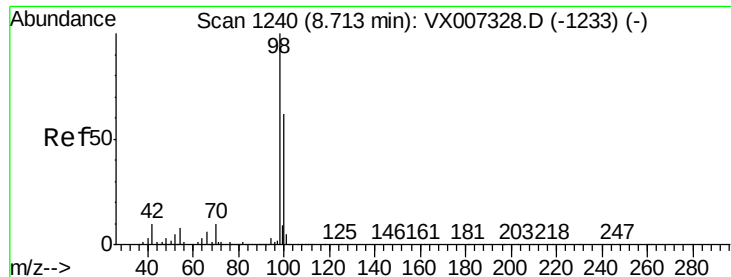
Tot Ion: 83 Resp: 60035
Ion Ratio Lower Upper
83 100
55 73.4 56.2 84.2
98 48.3 36.8 55.2



#40
Benzene
Concen: 3.070 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX007550.D
Acq: 14 Feb 2019 17:15

Tgt Ion: 78 Resp: 62067
Ion Ratio Lower Upper
78 100
77 26.3 19.3 28.9





#50

Toluene-d8

Concen: 50.522 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX007550.D

Acq: 14 Feb 2019 17:15

Instrument :

MSVOA_X

ClientSampleId :

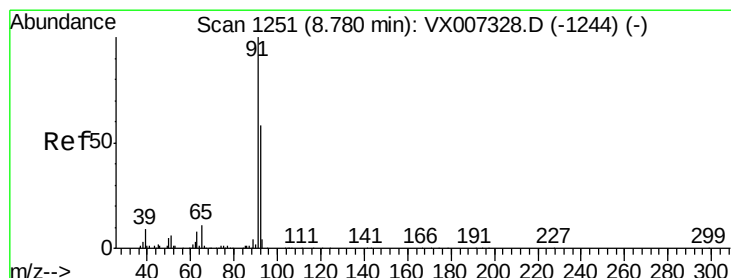
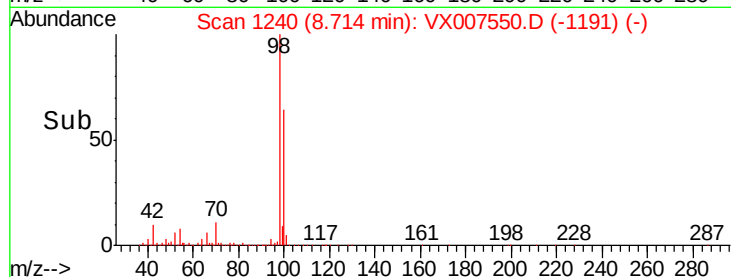
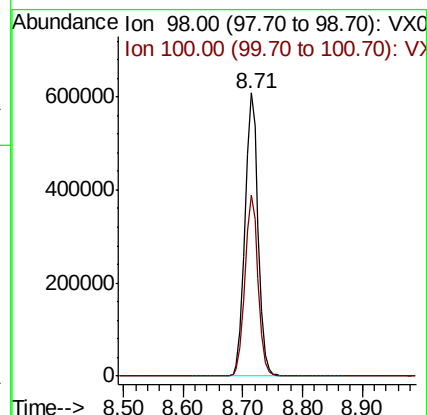
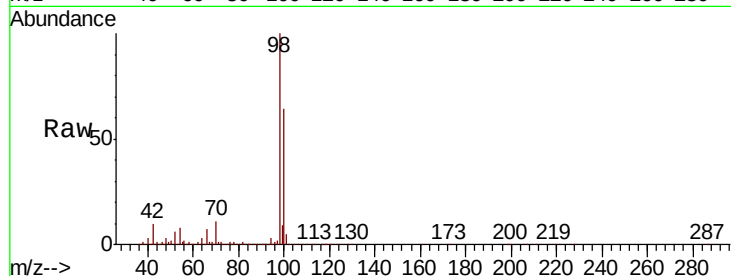
MW-901-20190207

Tot Ion: 98 Resp: 932830

Ion Ratio Lower Upper

98 100

100 63.8 51.6 77.4



#52

Toluene

Concen: 0.463 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.01 min

Lab File: VX007550.D

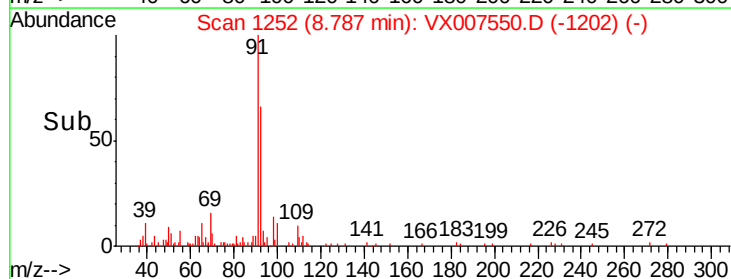
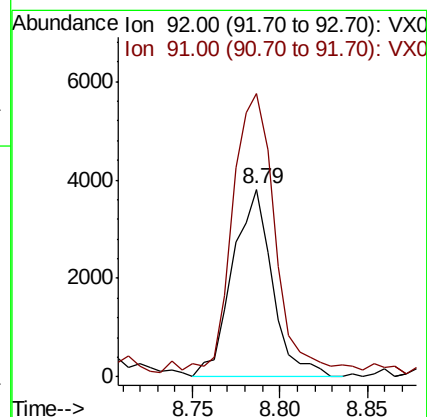
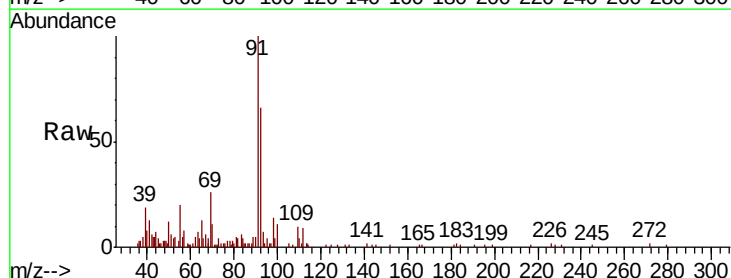
Acq: 14 Feb 2019 17:15

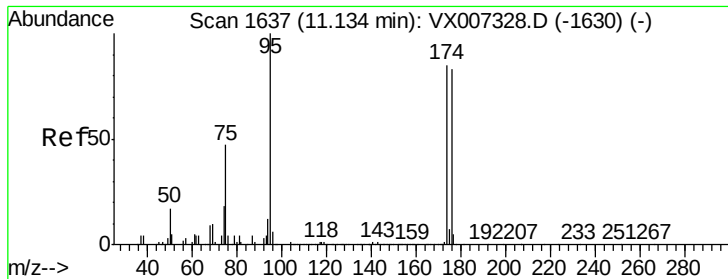
Tgt Ion: 92 Resp: 6041

Ion Ratio Lower Upper

92 100

91 162.6 139.1 208.7





#62

4-Bromofluorobenzene

Concen: 51.868 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX007550.D

Acq: 14 Feb 2019 17:15

Instrument :

MSVOA_X

ClientSampleId :

MW-901-20190207

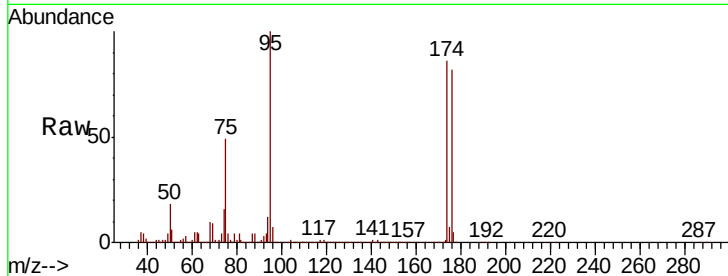
Tot Ion: 95 Resp: 349649

Ion Ratio Lower Upper

95 100

174 91.5 0.0 189.2

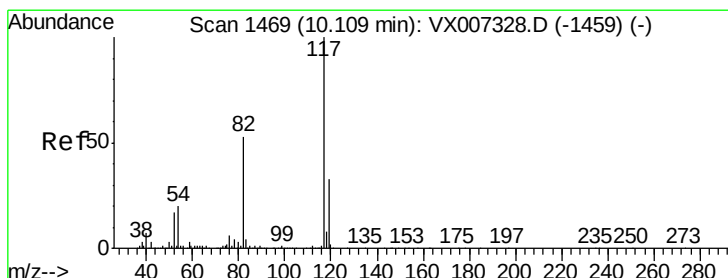
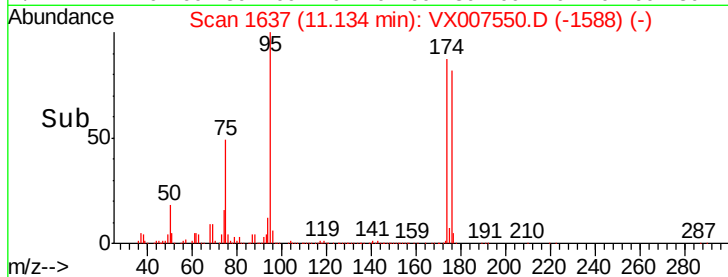
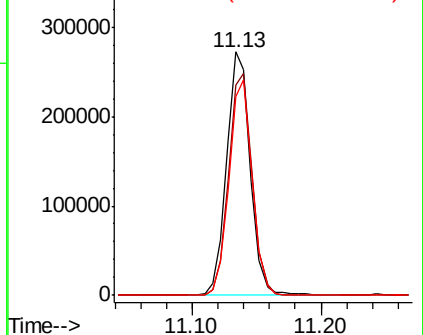
176 87.7 0.0 186.2



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: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX007550.D

Acq: 14 Feb 2019 17:15

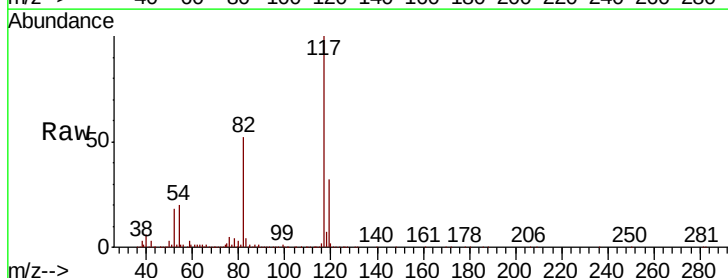
Tgt Ion: 117 Resp: 729959

Ion Ratio Lower Upper

117 100

82 52.3 42.1 63.1

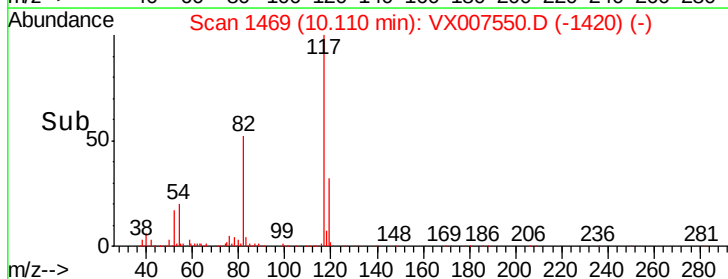
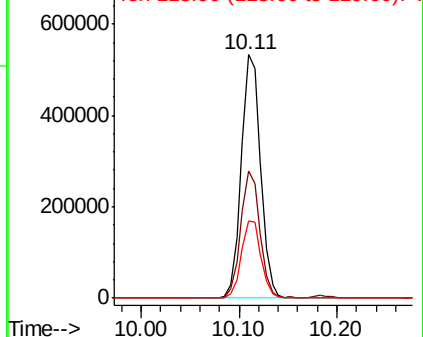
119 31.7 26.5 39.7

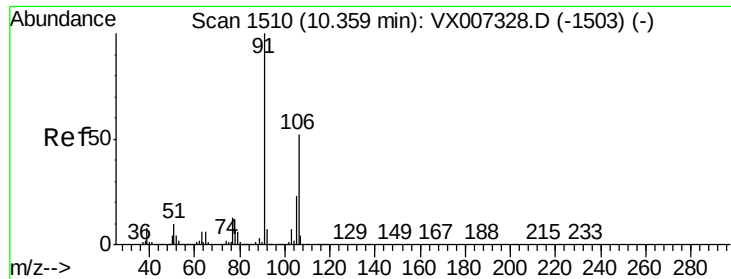


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V

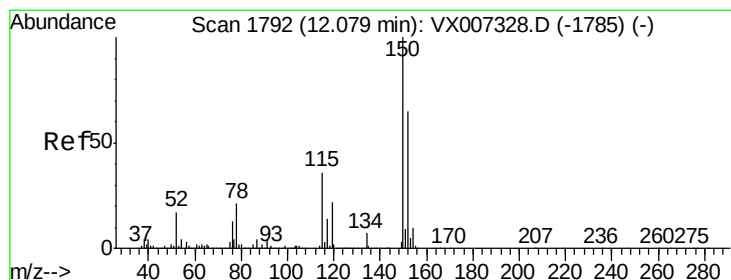
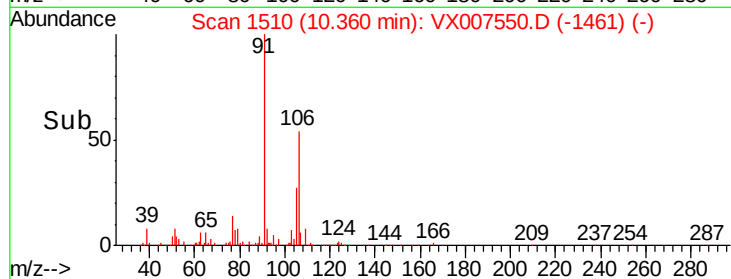
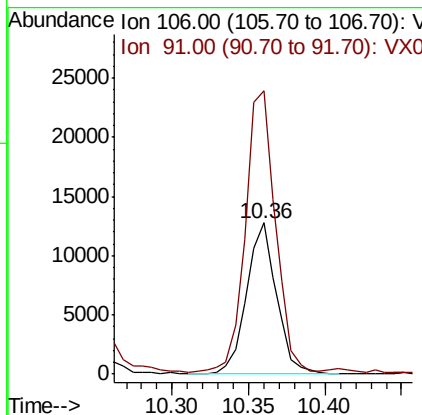
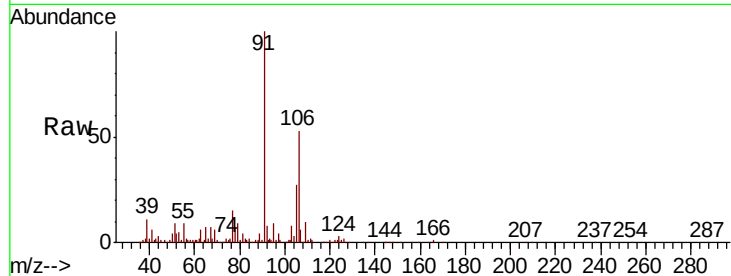




#68
m/p-Xvlenes
Concen: 1.703 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX007550.D
Acq: 14 Feb 2019 17:15

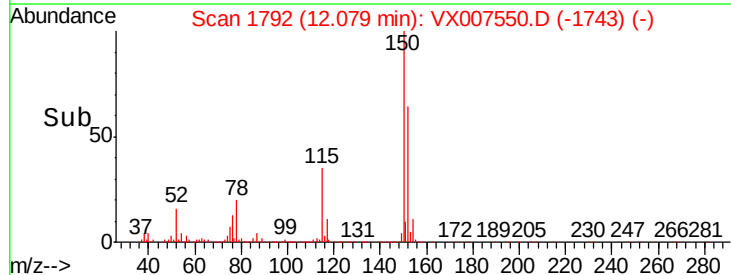
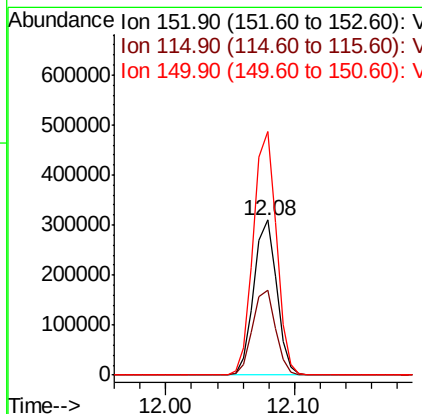
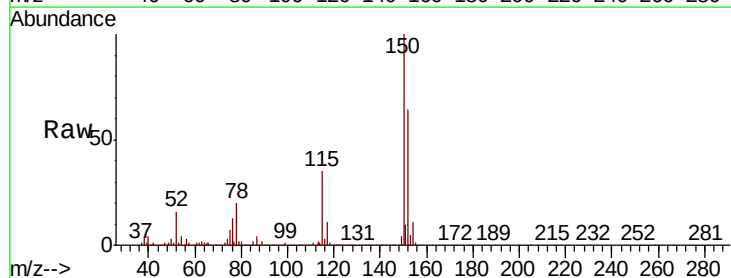
Instrument :
MSVOA_X
ClientSampleId :
MW-901-20190207

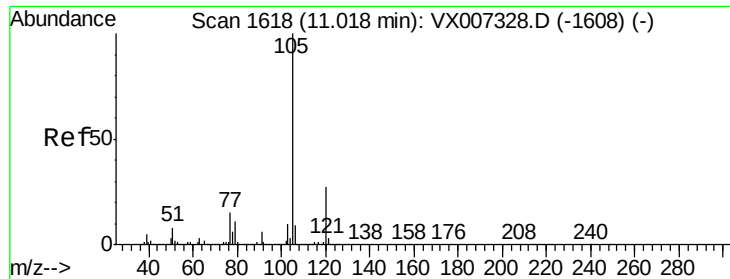
Tot Ion:106 Resp: 17365
Ion Ratio Lower Upper
106 100
91 185.1 156.6 234.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX007550.D
Acq: 14 Feb 2019 17:15

Tgt Ion:152 Resp: 378314
Ion Ratio Lower Upper
152 100
115 55.8 38.0 114.0
150 158.3 0.0 346.4





#73

Isopropylbenzene

Concen: 4.837 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX007550.D

Acq: 14 Feb 2019 17:15

Instrument :

MSVOA_X

ClientSampleId :

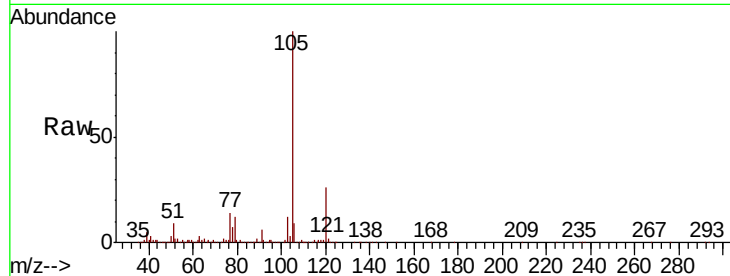
MW-901-20190207

Tot Ion:105 Resp: 124360

Ion Ratio Lower Upper

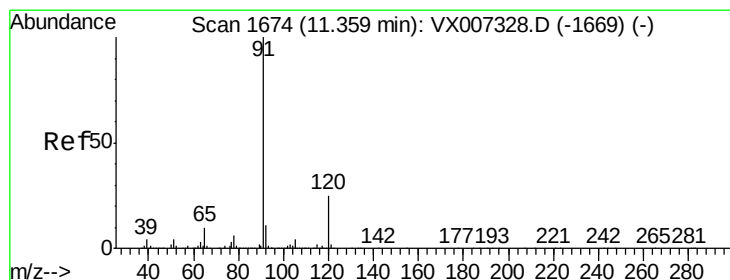
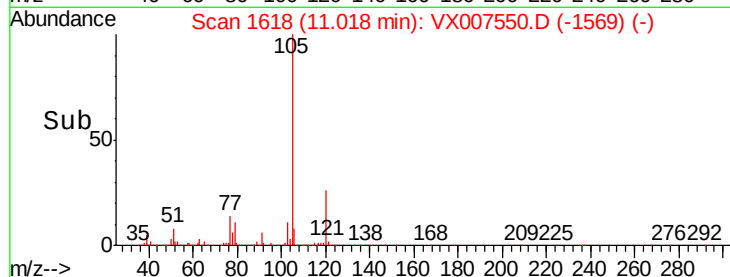
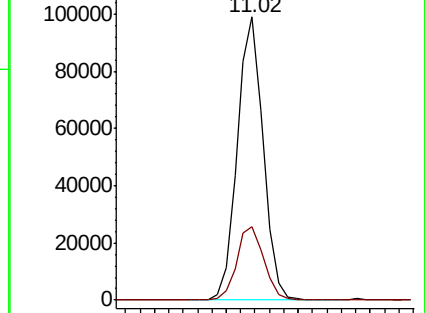
105 100

120 27.3 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: 7.982 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX007550.D

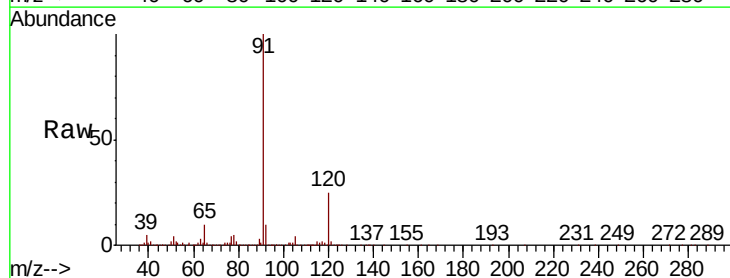
Acq: 14 Feb 2019 17:15

Tgt Ion: 91 Resp: 225020

Ion Ratio Lower Upper

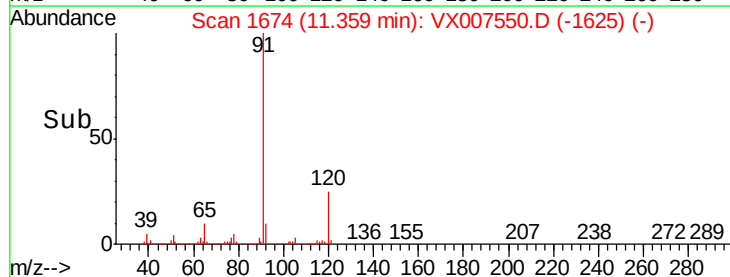
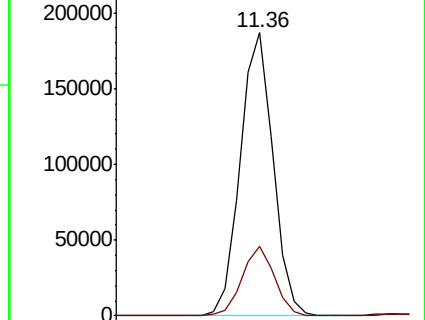
91 100

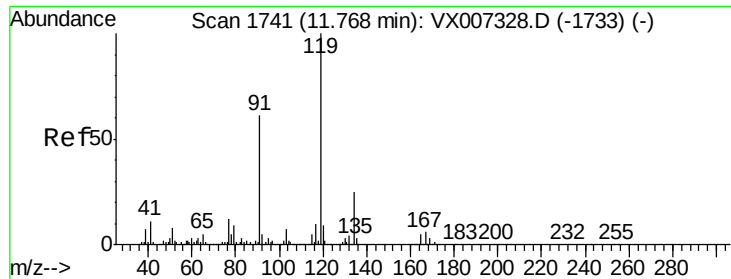
120 24.5 12.4 37.2



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#83

tert-Butylbenzene

Concen: 0.766 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX007550.D

Acq: 14 Feb 2019 17:15

Instrument :

MSVOA_X

ClientSampleId :

MW-901-20190207

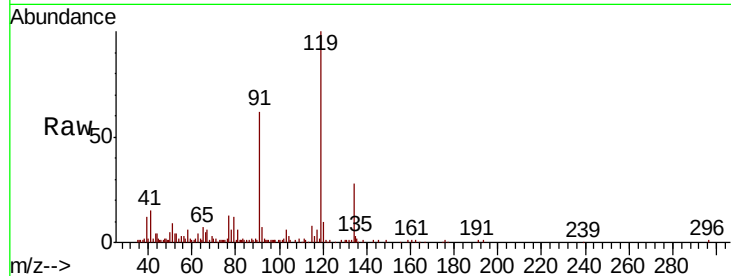
Tot Ion:119 Resp: 15949

Ion Ratio Lower Upper

119 100

91 59.9 28.5 85.6

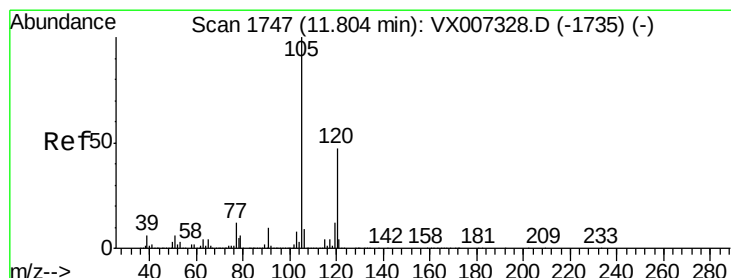
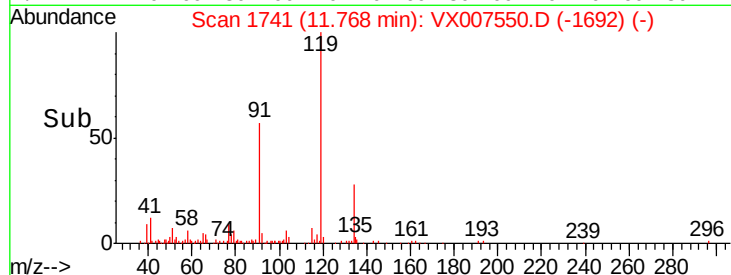
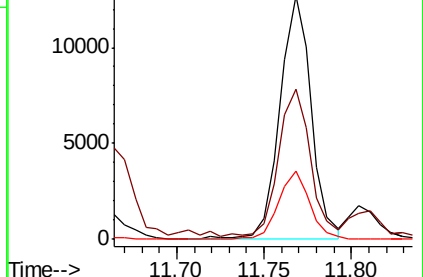
134 27.7 12.0 36.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 0.752 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX007550.D

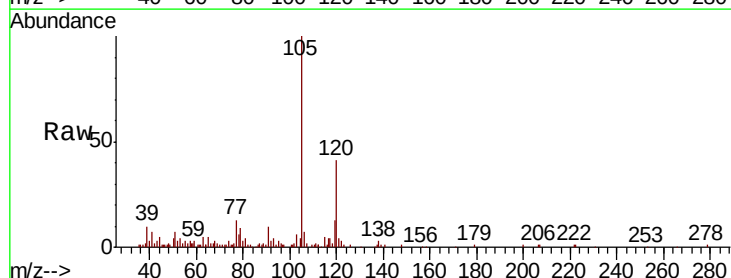
Acq: 14 Feb 2019 17:15

Tgt Ion:105 Resp: 16058

Ion Ratio Lower Upper

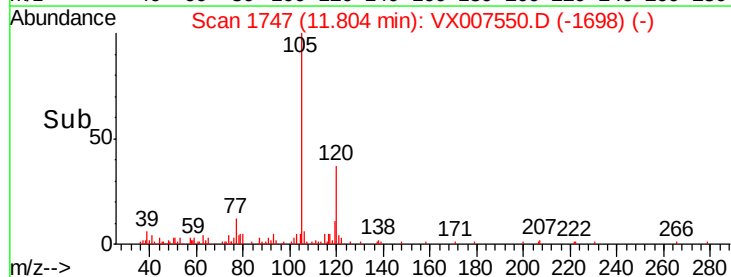
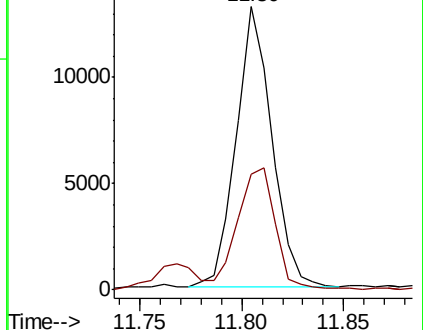
105 100

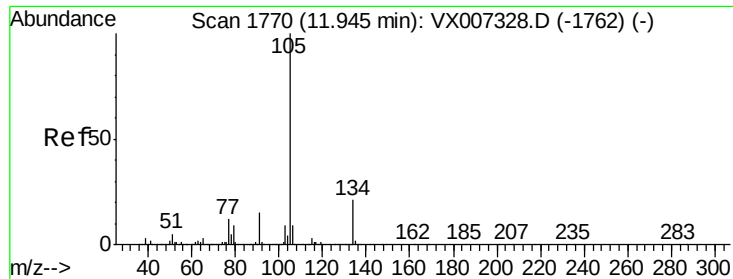
120 45.9 23.1 69.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

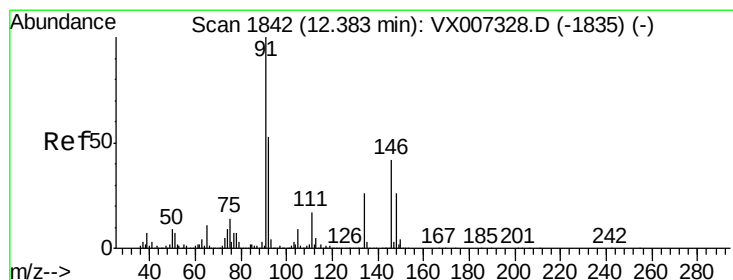
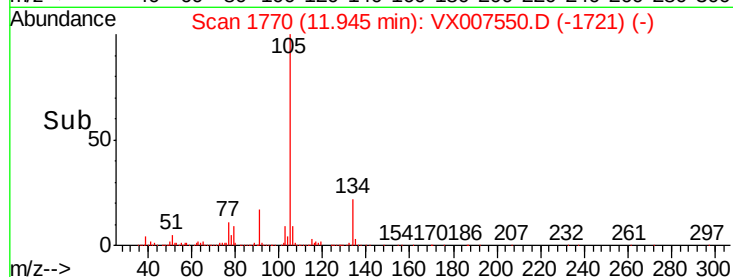
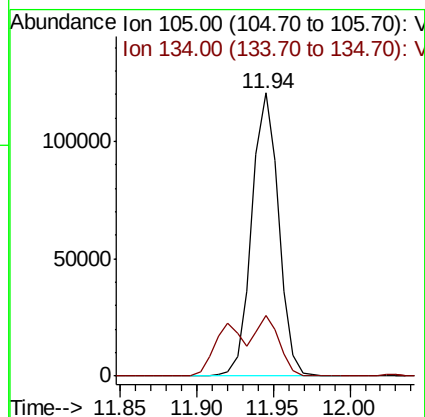
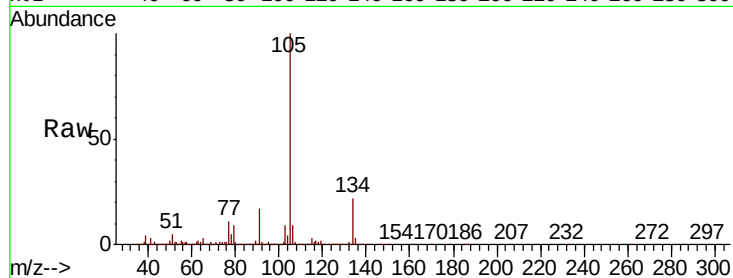




#85
 sec-Butylbenzene
 Concen: 5.823 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. 0.00 min
 Lab File: VX007550.D
 Acq: 14 Feb 2019 17:15

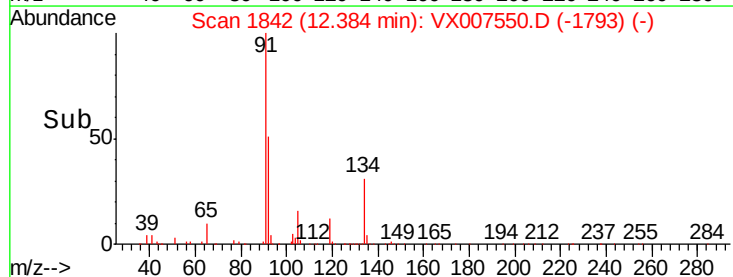
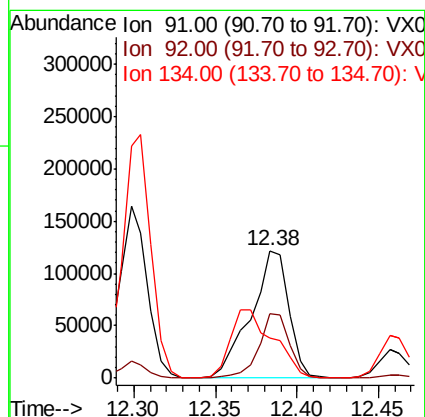
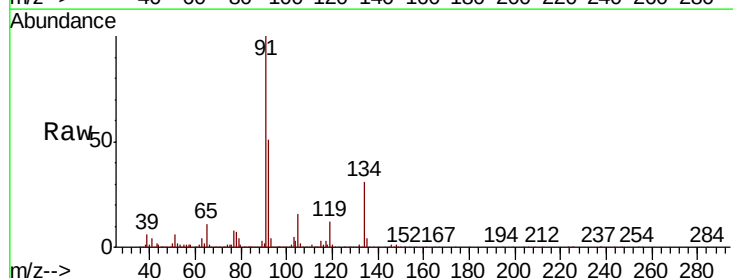
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-901-20190207

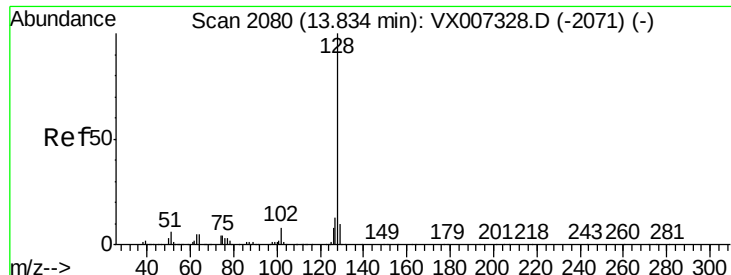
Tot Ion:105 Resp: 146751
 Ion Ratio Lower Upper
 105 100
 134 19.2 10.6 31.8



#89
 n-Butylbenzene
 Concen: 10.043 ug/l
 RT: 12.38 min Scan# 1842
 Delta R.T. 0.00 min
 Lab File: VX007550.D
 Acq: 14 Feb 2019 17:15

Tgt Ion: 91 Resp: 196551
 Ion Ratio Lower Upper
 91 100
 92 40.7 26.3 78.9
 134 60.1 13.9 41.6#





#95
Naphthalene
Concen: 3.113 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX007550.D
Acq: 14 Feb 2019 17:15

Instrument :
MSVOA_X
ClientSampleId :
MW-901-20190207

Tot Ion	Ratio	Lower	Upper
128	100		
127	15.3	10.5	15.7
129	18.3	8.7	13.1

