

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX021419\
 Data File : VX007523.D
 Acq On : 13 Feb 2019 16:30
 Operator : JC/SP
 Sample : K1460-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-1-20190207

Quant Time: Feb 14 03:21:45 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	524865	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	817802	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	763877	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	380501	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	280870	50.42	ug/l	0.00
Spiked Amount			Recovery	=	100.84%	
35) Dibromofluoromethane	5.50	113	259511	48.77	ug/l	0.00
Spiked Amount			Recovery	=	97.54%	
50) Toluene-d8	8.71	98	973204	49.30	ug/l	0.00
Spiked Amount			Recovery	=	98.60%	
62) 4-Bromofluorobenzene	11.13	95	355791	49.36	ug/l	0.00
Spiked Amount			Recovery	=	98.72%	

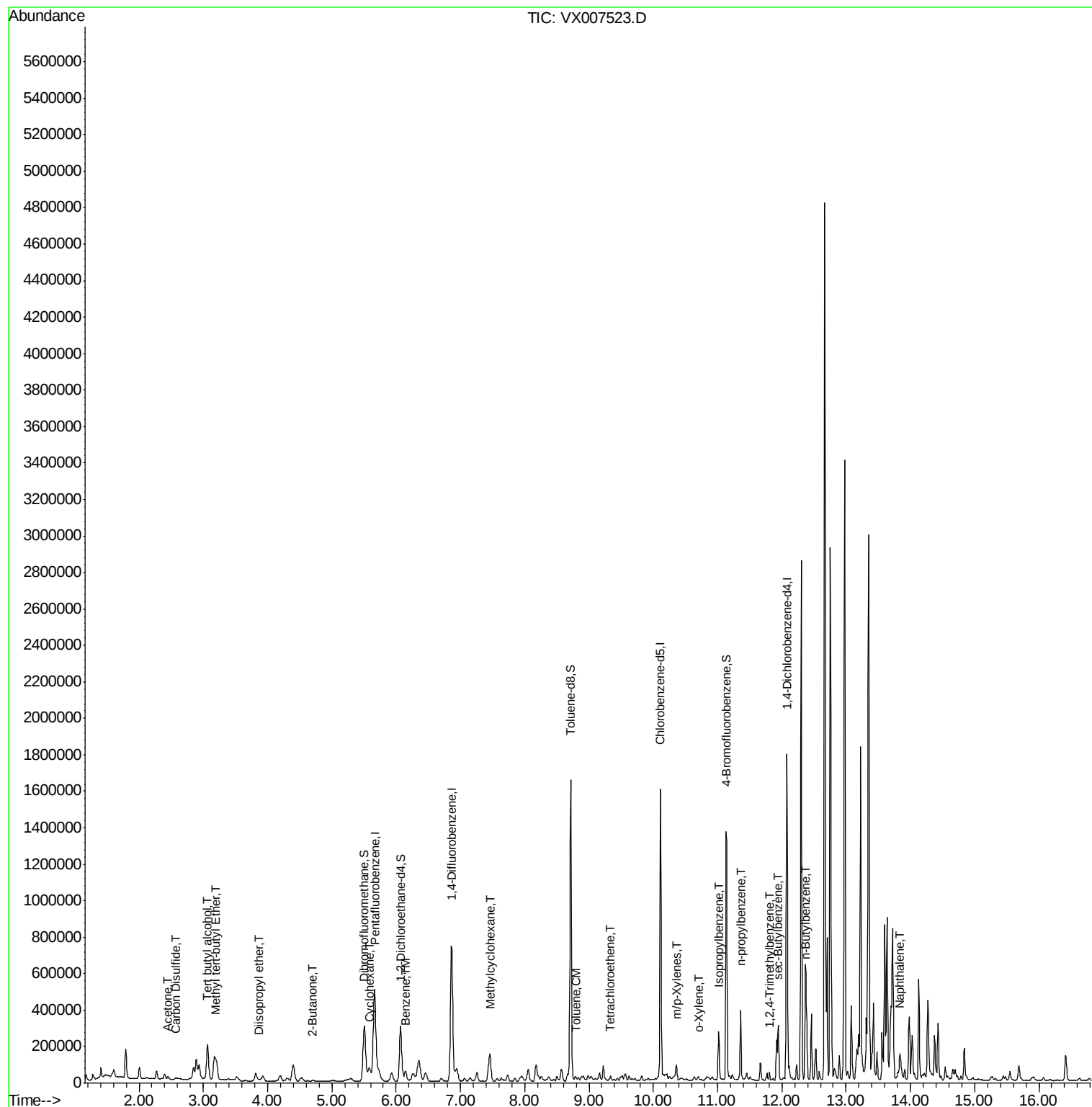
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.06	59	238073	206.495	ug/l	99
16) Acetone	2.45	43	15469	6.062	ug/l	93
17) Carbon Disulfide	2.57	76	9549	2.819	ug/l	96
19) Methyl tert-butyl Ether	3.20	73	106817	6.579	ug/l #	79
22) Diisopropyl ether	3.87	45	9775	0.651	ug/l #	82
25) 2-Butanone	4.70	43	10043	2.765	ug/l #	89
31) Cyclohexane	5.59	56	50979	6.581	ug/l #	91
39) Methylcyclohexane	7.46	83	64108	7.221	ug/l	94
40) Benzene	6.14	78	70603	3.266	ug/l	96
52) Toluene	8.79	92	7188	0.515	ug/l	84
64) Tetrachloroethene	9.34	164	5457	0.758	ug/l #	91
68) m/p-Xylenes	10.36	106	18789	1.761	ug/l	96
69) o-Xylene	10.70	106	4837	0.471	ug/l	88
73) Isopropylbenzene	11.02	105	131973	5.104	ug/l	97
78) n-propylbenzene	11.36	91	230743	8.138	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	17594	0.819	ug/l	95
85) sec-Butylbenzene	11.94	105	151724	5.985	ug/l	98
89) n-Butylbenzene	12.38	91	192328	9.771	ug/l #	66
95) Naphthalene	13.83	128	89247	3.478	ug/l #	91

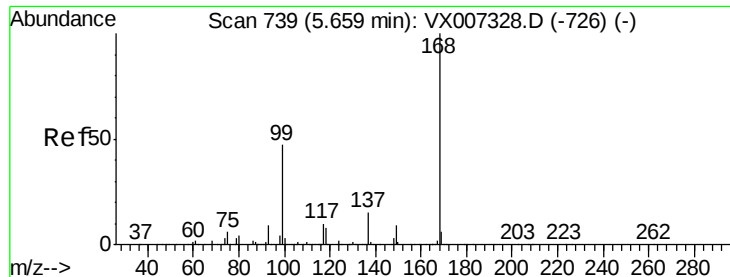
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX007523.D

Acq: 13 Feb 2019 16:30

Instrument :

MSVOA_X

ClientSampleId :

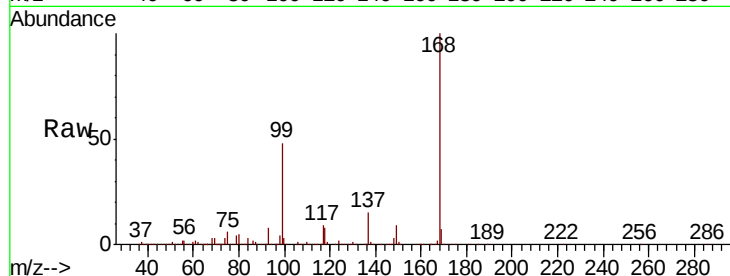
MW-1-20190207

Tot Ion:168 Resp: 524865

Ion Ratio Lower Upper

168 100

99 48.3 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

200000

150000

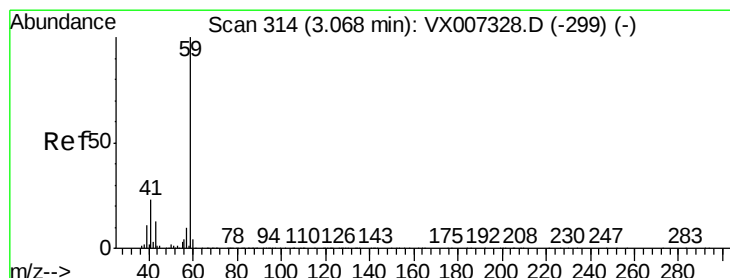
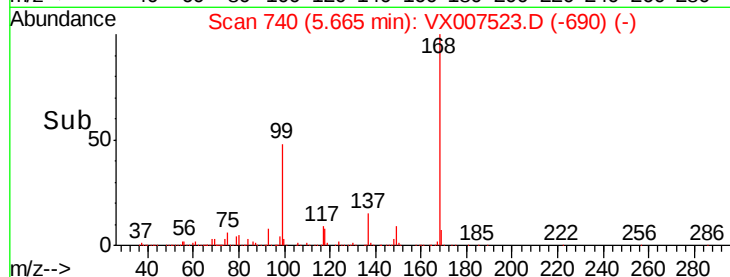
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#11

Tert butyl alcohol

Concen: 206.495 ug/l

RT: 3.06 min Scan# 313

Delta R.T. -0.01 min

Lab File: VX007523.D

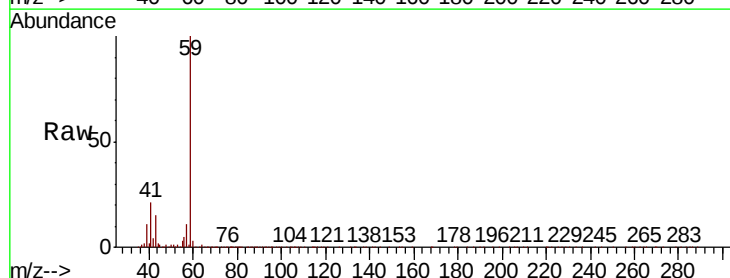
Acq: 13 Feb 2019 16:30

Tgt Ion: 59 Resp: 238073

Ion Ratio Lower Upper

59 100

57 9.7 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

120000

100000

80000

60000

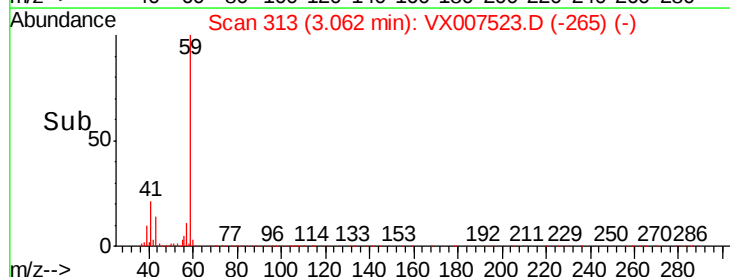
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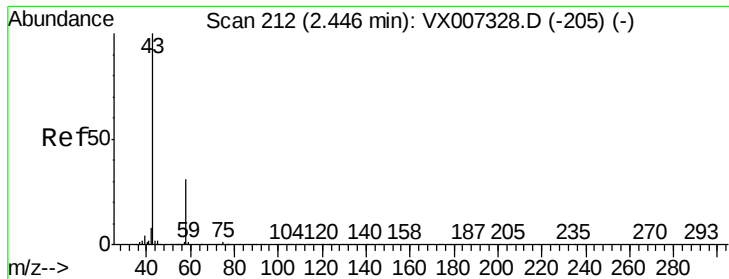
20000

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Time-->

2.90 3.00 3.10 3.20





#16

Acetone

Concen: 6.062 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX007523.D

Acq: 13 Feb 2019 16:30

Instrument :

MSVOA_X

ClientSampleId :

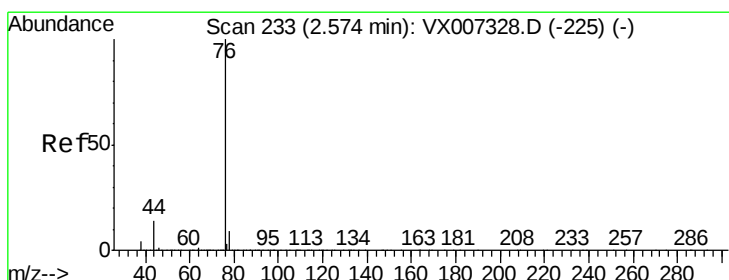
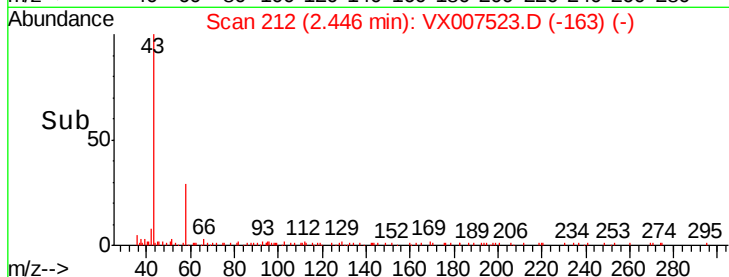
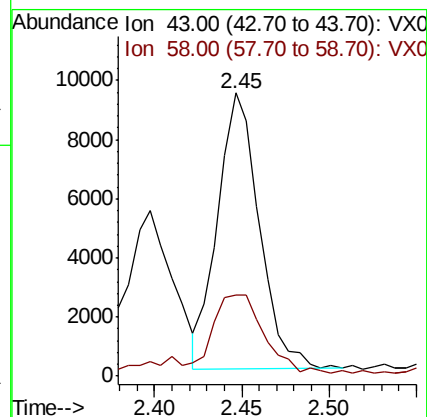
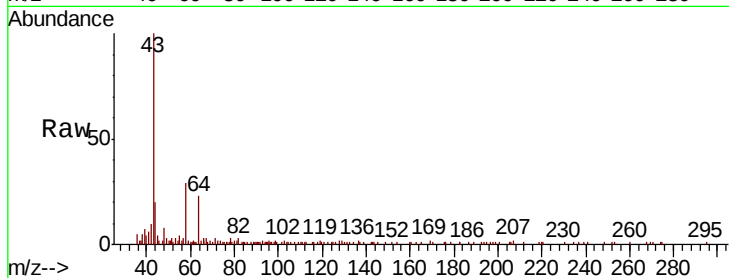
MW-1-20190207

Tot Ion: 43 Resp: 15469

Ion Ratio Lower Upper

43 100

58 27.2 24.9 37.3



#17

Carbon Disulfide

Concen: 2.819 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.00 min

Lab File: VX007523.D

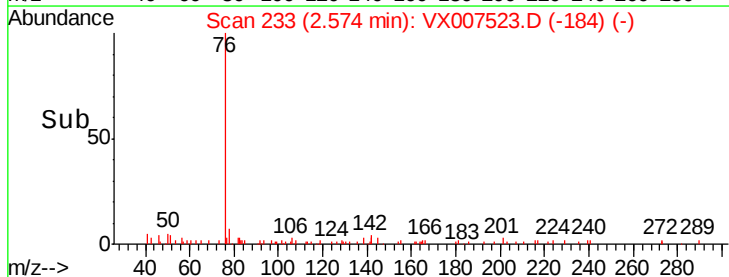
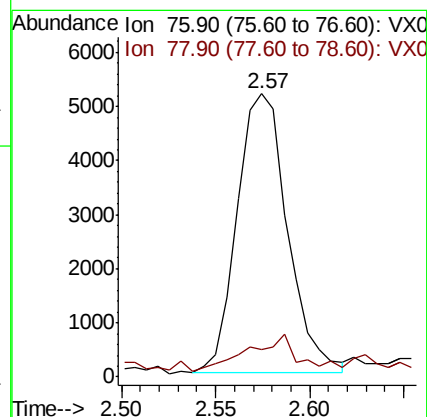
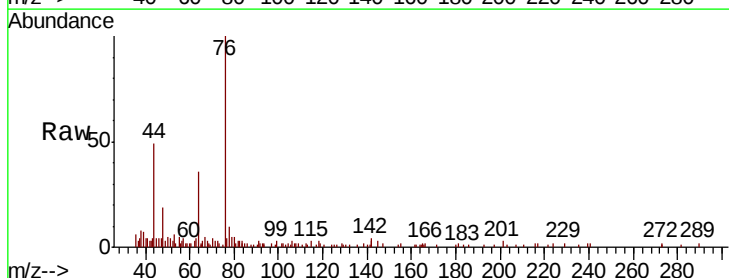
Acq: 13 Feb 2019 16:30

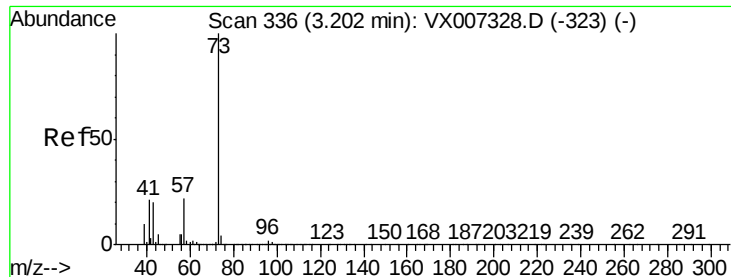
Tgt Ion: 76 Resp: 9549

Ion Ratio Lower Upper

76 100

78 7.5 7.1 10.7

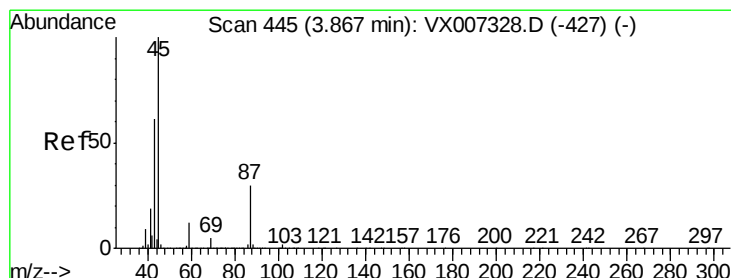
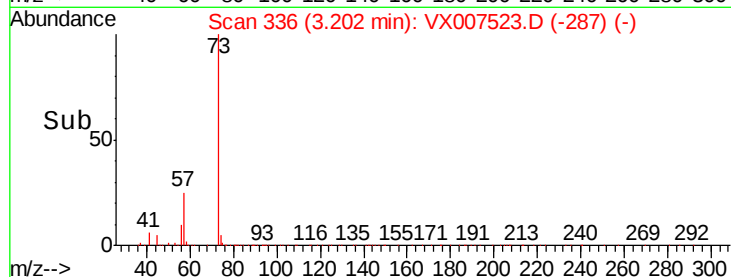
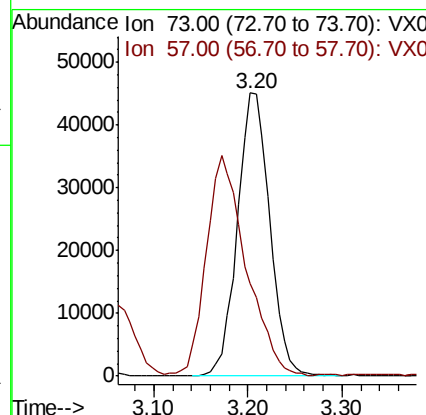
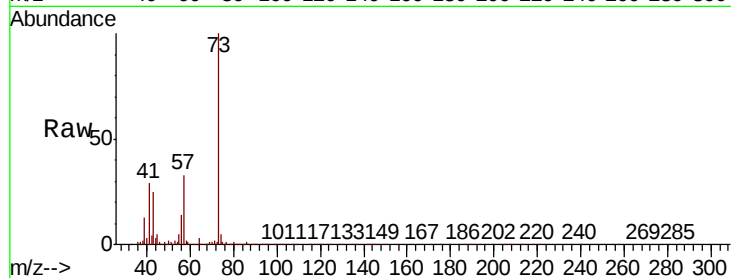




#19
Methyl tert-butyl Ether
Concen: 6.579 ug/l
RT: 3.20 min Scan# 336
Delta R.T. 0.00 min
Lab File: VX007523.D
Acq: 13 Feb 2019 16:30

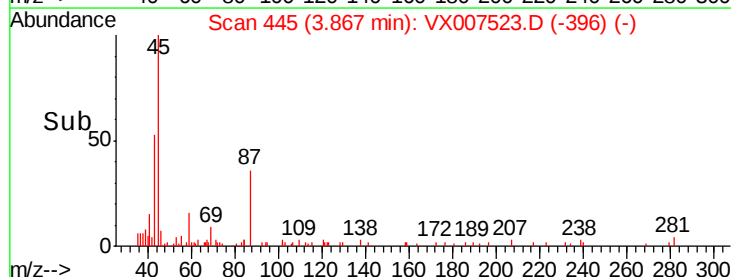
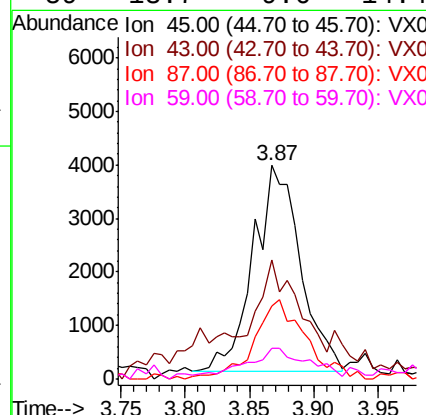
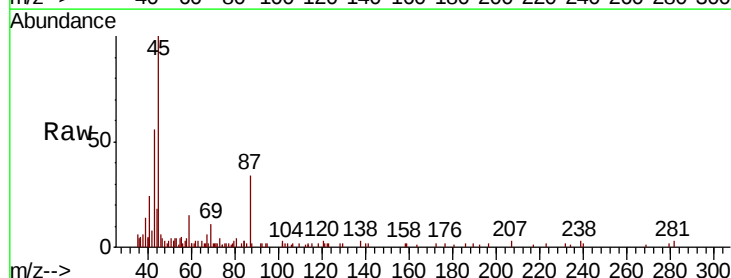
Instrument :
MSVOA_X
ClientSampleId :
MW-1-20190207

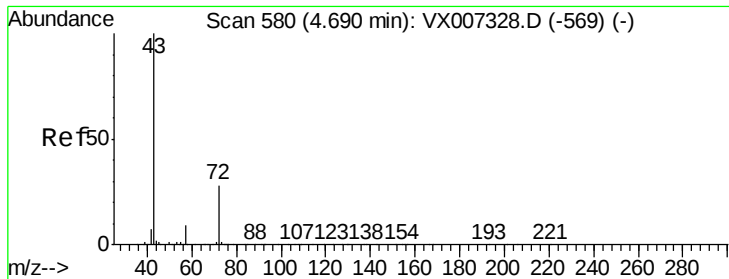
Tot Ion: 73 Resp: 106817
Ion Ratio Lower Upper
73 100
57 32.5 17.8 26.8#



#22
Diisopropyl ether
Concen: 0.651 ug/l
RT: 3.87 min Scan# 445
Delta R.T. 0.00 min
Lab File: VX007523.D
Acq: 13 Feb 2019 16:30

Tgt Ion: 45 Resp: 9775
Ion Ratio Lower Upper
45 100
43 41.7 48.9 73.3#
87 33.9 23.9 35.9
59 13.7 9.6 14.4





#25

2-Butanone

Concen: 2.765 ug/l

RT: 4.70 min Scan# 581

Delta R.T. 0.01 min

Lab File: VX007523.D

Acq: 13 Feb 2019 16:30

Instrument :

MSVOA_X

ClientSampleId :

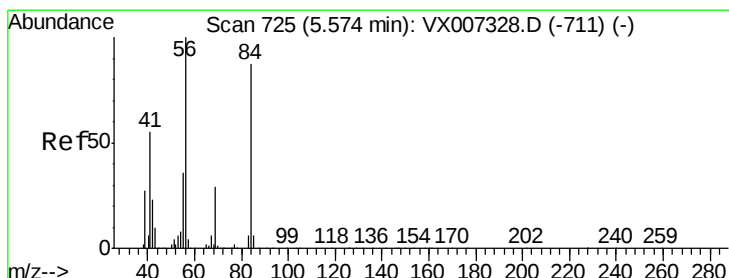
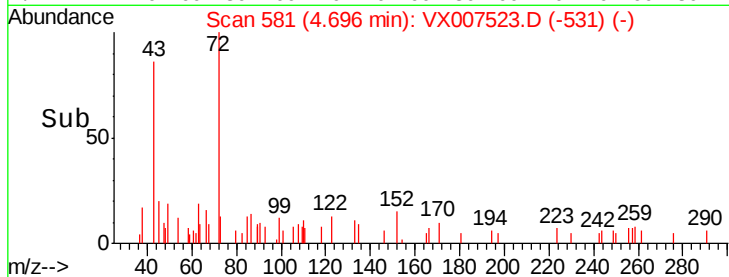
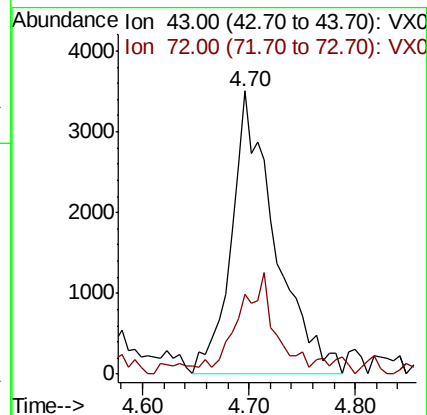
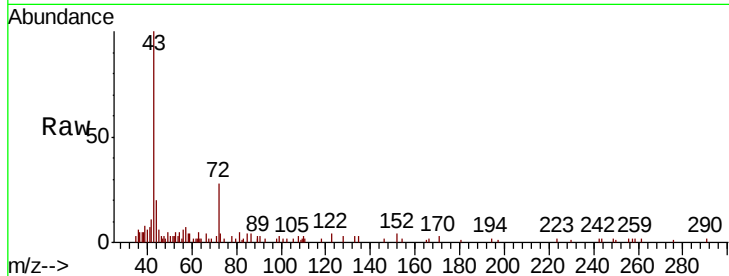
MW-1-20190207

Tot Ion: 43 Resp: 10043

Ion Ratio Lower Upper

43 100

72 21.9 22.2 33.2#



#31

Cyclohexane

Concen: 6.581 ug/l

RT: 5.59 min Scan# 727

Delta R.T. 0.01 min

Lab File: VX007523.D

Acq: 13 Feb 2019 16:30

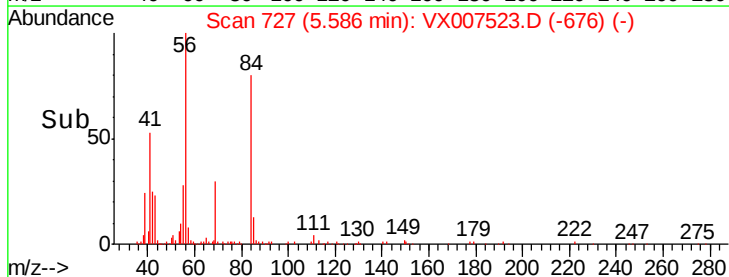
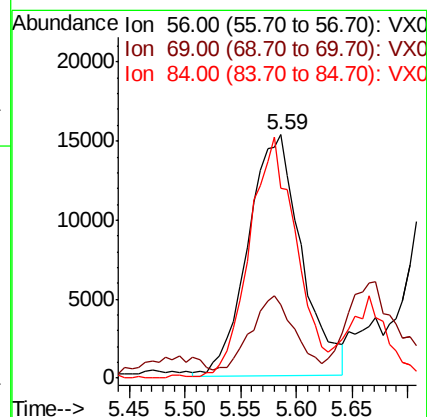
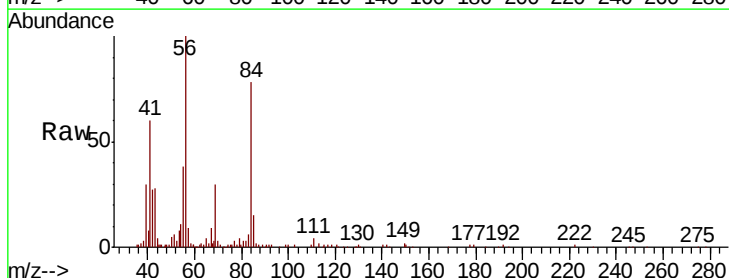
Tgt Ion: 56 Resp: 50979

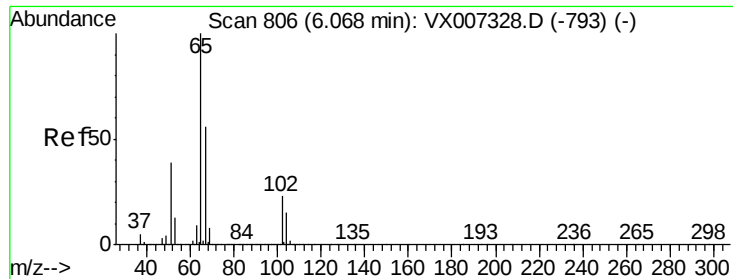
Ion Ratio Lower Upper

56 100

69 22.2 23.0 34.6#

84 79.3 69.8 104.6

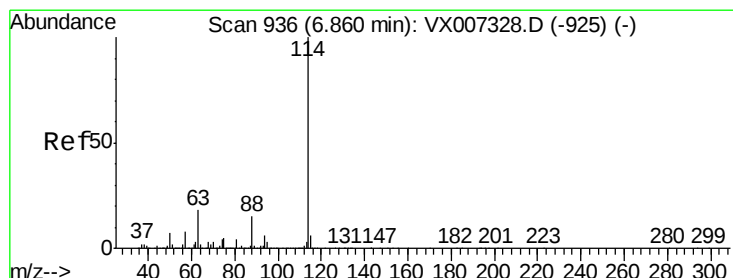
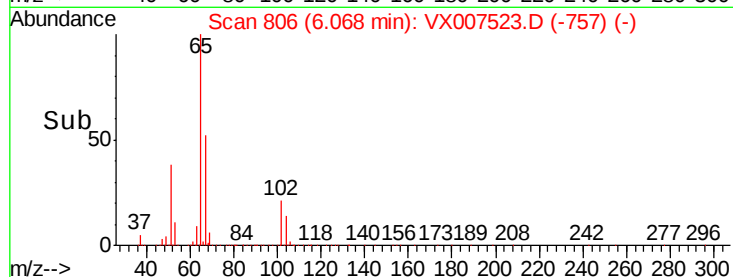
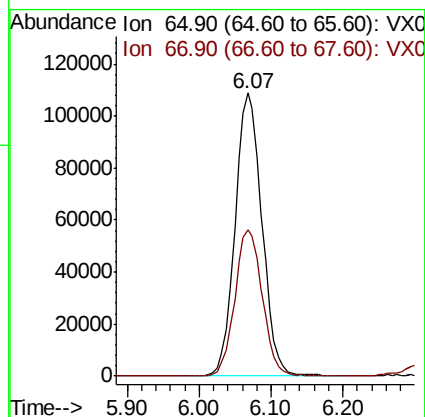
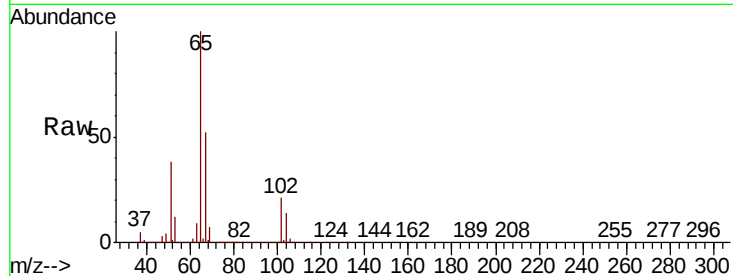




#33
 1,2-Dichloroethane-d4
 Concen: 50.416 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX007523.D
 Acq: 13 Feb 2019 16:30

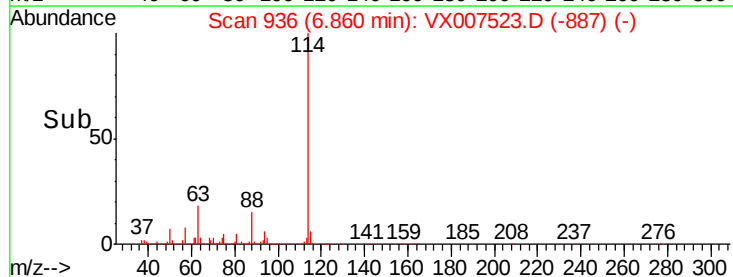
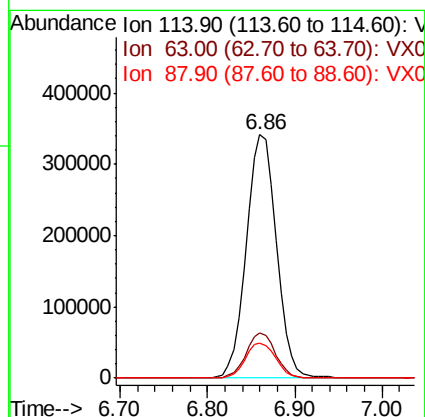
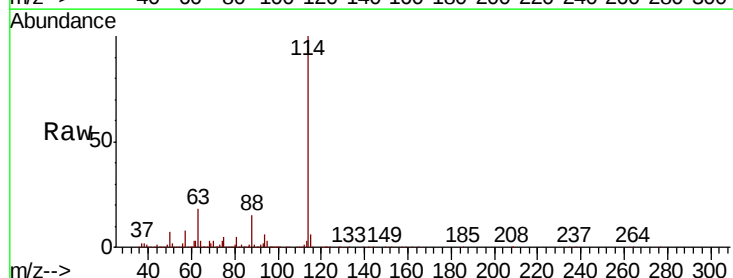
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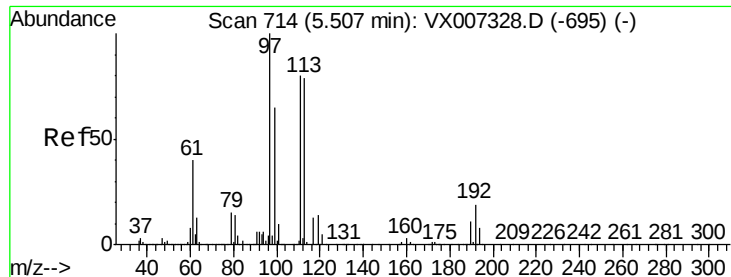
Tot Ion: 65 Resp: 280870
 Ion Ratio Lower Upper
 65 100
 67 52.7 0.0 108.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX007523.D
 Acq: 13 Feb 2019 16:30

Tgt Ion: 114 Resp: 817802
 Ion Ratio Lower Upper
 114 100
 63 18.3 0.0 35.6
 88 14.5 0.0 29.6

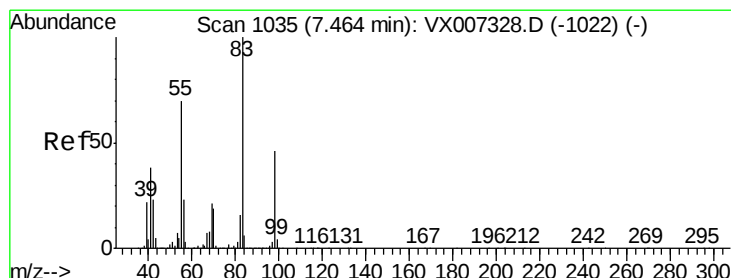
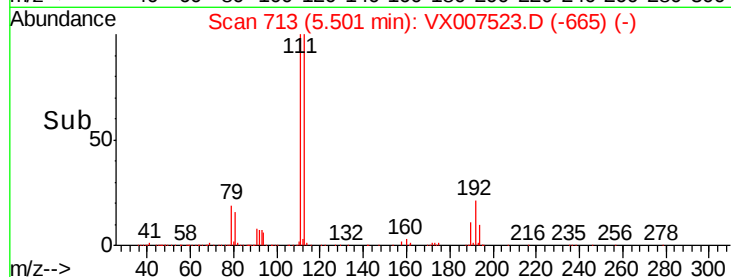
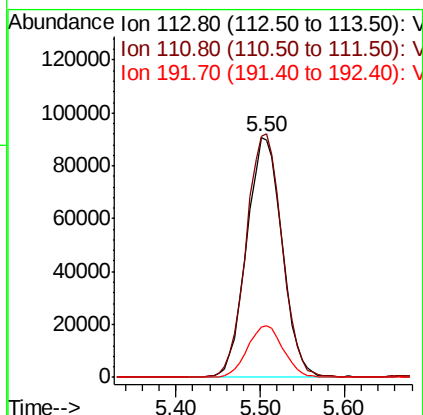
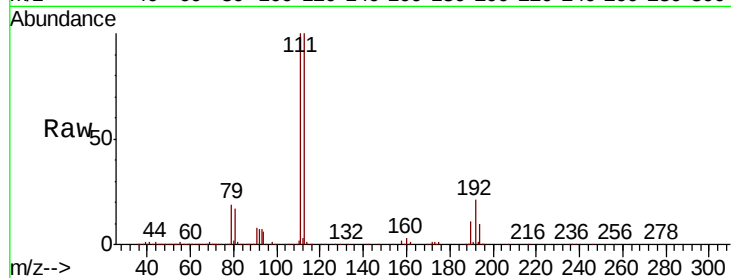




#35
Dibromofluoromethane
Concen: 48.770 ug/l
RT: 5.50 min Scan# 713
Delta R.T. -0.01 min
Lab File: VX007523.D
Acq: 13 Feb 2019 16:30

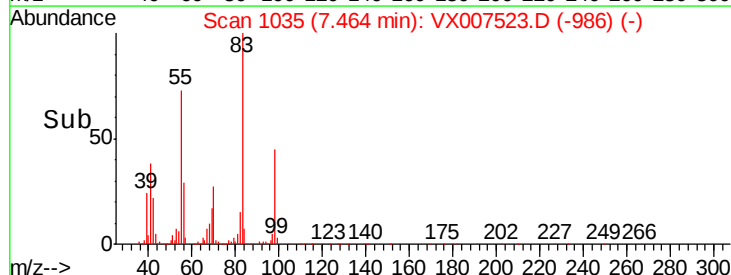
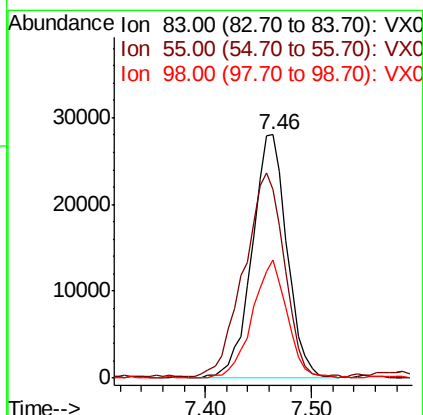
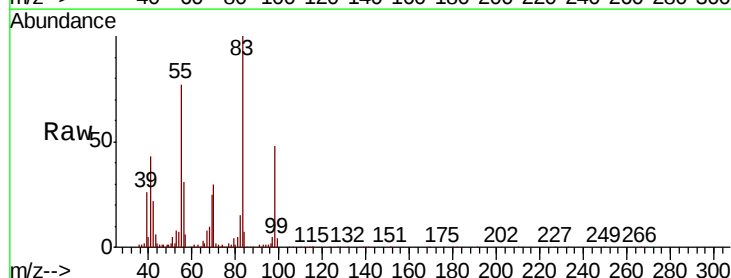
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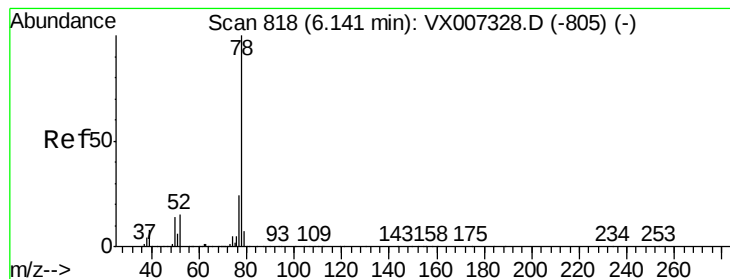
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.5	81.8	122.8
192	21.8	18.5	27.7



#39
Methylcyclohexane
Concen: 7.221 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX007523.D
Acq: 13 Feb 2019 16:30

Tgt Ion	Ratio	Lower	Upper
83	100		
55	76.6	56.2	84.2
98	48.3	36.8	55.2





#40

Benzene

Concen: 3.266 ug/l

RT: 6.14 min Scan# 818

Delta R.T. 0.00 min

Lab File: VX007523.D

Acq: 13 Feb 2019 16:30

Instrument :

MSVOA_X

ClientSampleId :

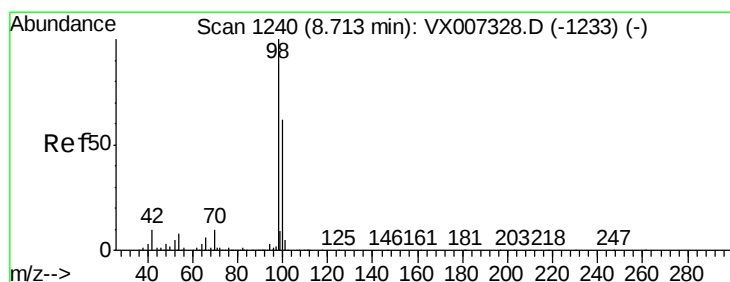
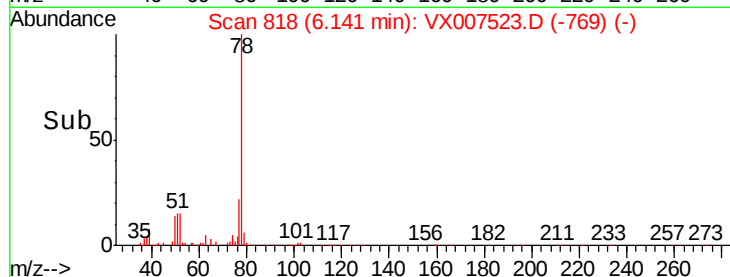
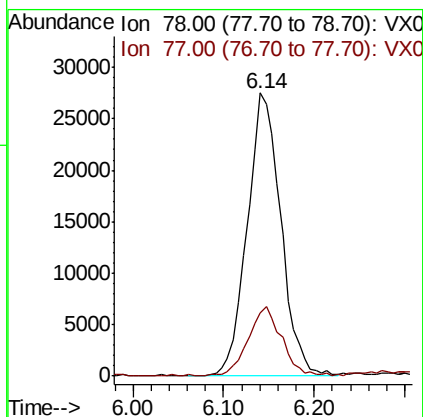
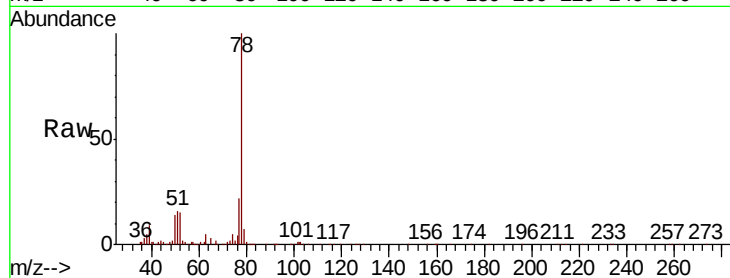
MW-1-20190207

Tot Ion: 78 Resp: 70603

Ion Ratio Lower Upper

78 100

77 21.9 19.3 28.9



#50

Toluene-d8

Concen: 49.295 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX007523.D

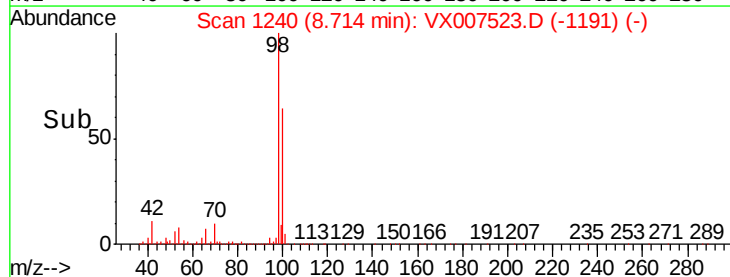
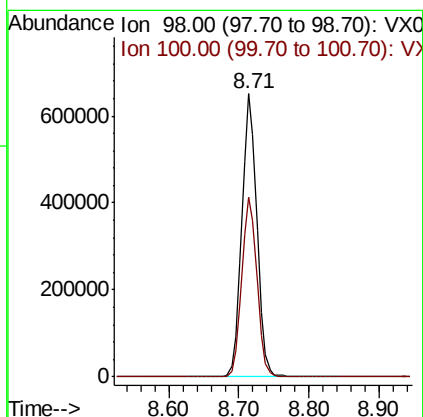
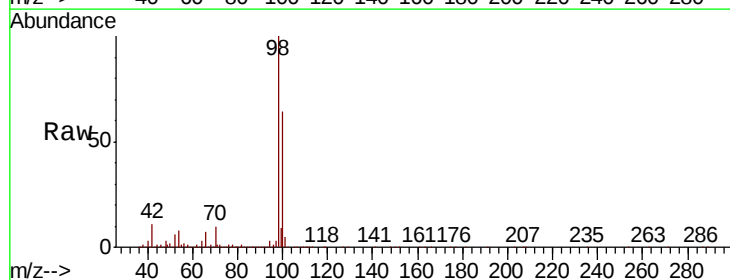
Acq: 13 Feb 2019 16:30

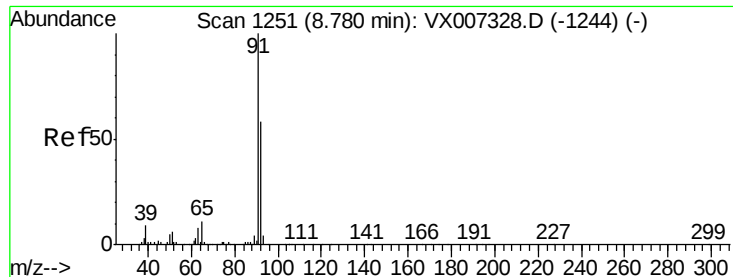
Tgt Ion: 98 Resp: 973204

Ion Ratio Lower Upper

98 100

100 64.0 51.6 77.4





#52

Toluene

Concen: 0.515 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.01 min

Lab File: VX007523.D

Acq: 13 Feb 2019 16:30

Instrument :

MSVOA_X

ClientSampleId :

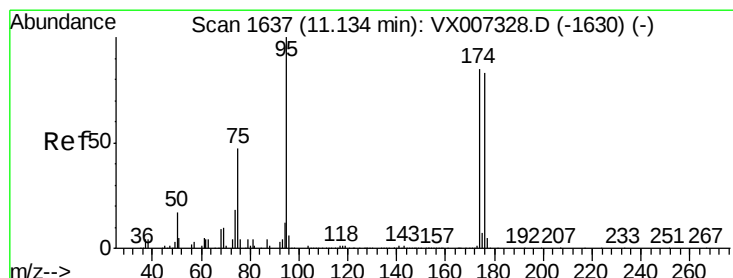
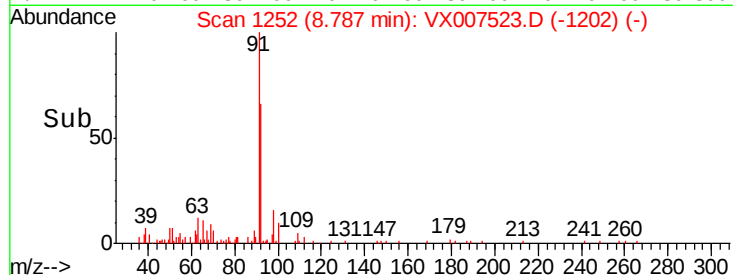
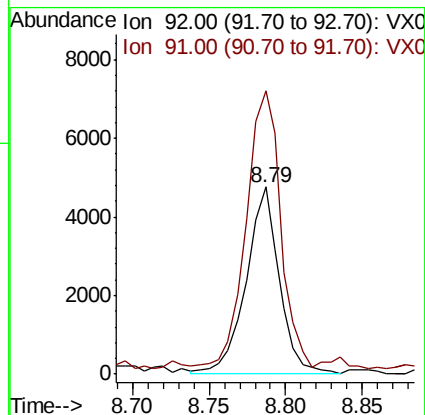
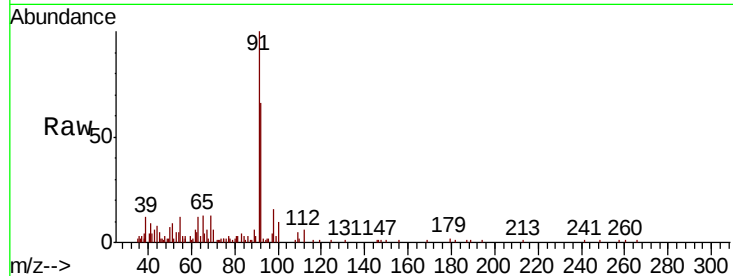
MW-1-20190207

Tot Ion: 92 Resp: 7188

Ion Ratio Lower Upper

92 100

91 152.2 139.1 208.7



#62

4-Bromofluorobenzene

Concen: 49.361 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX007523.D

Acq: 13 Feb 2019 16:30

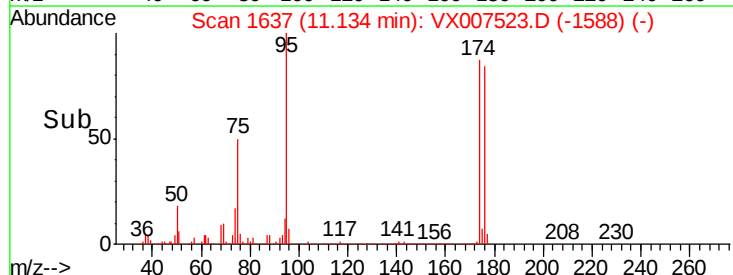
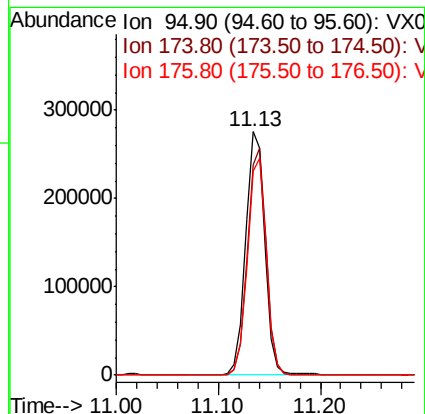
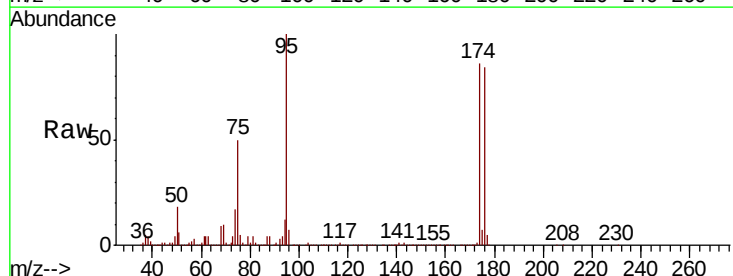
Tgt Ion: 95 Resp: 355791

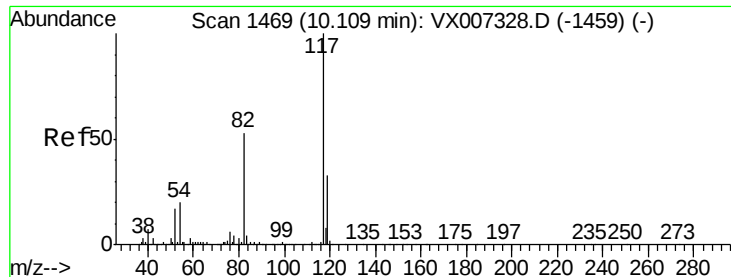
Ion Ratio Lower Upper

95 100

174 91.7 0.0 189.2

176 88.0 0.0 186.2

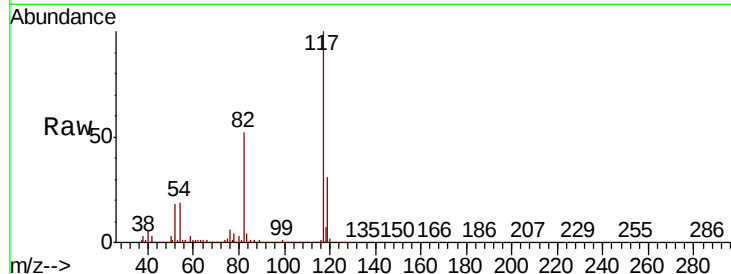




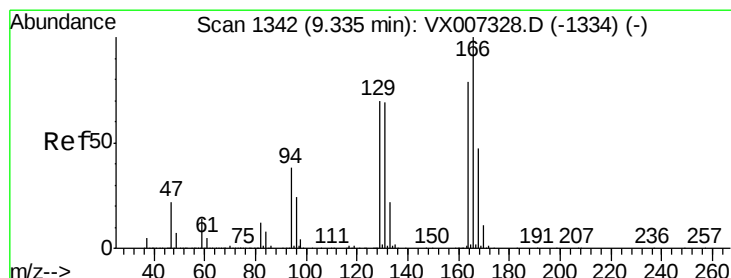
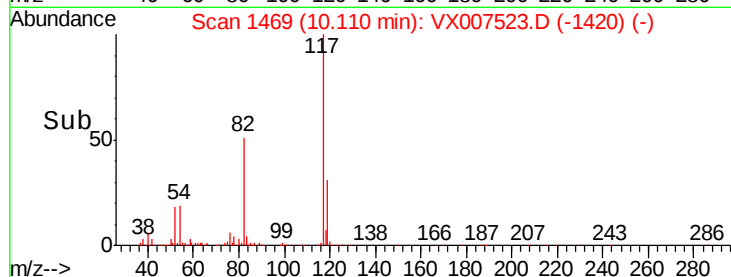
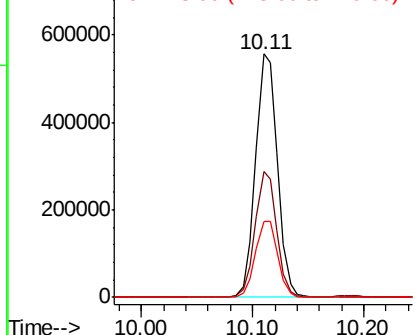
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX007523.D
Acq: 13 Feb 2019 16:30

Instrument :
MSVOA_X
ClientSampleId :
MW-1-20190207

Tot Ion:117 Resp: 763877
Ion Ratio Lower Upper
117 100
82 51.5 42.1 63.1
119 31.0 26.5 39.7

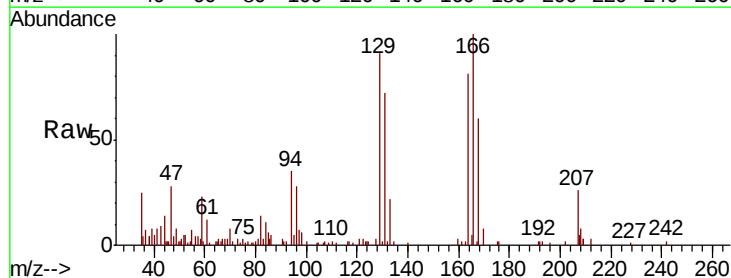


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

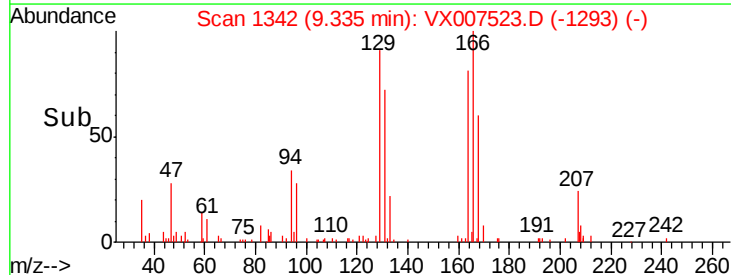
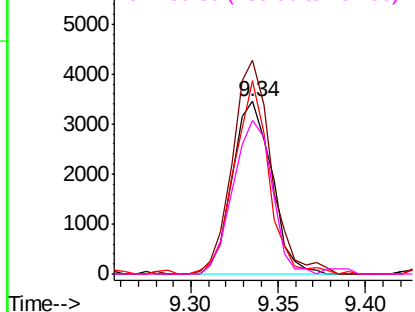


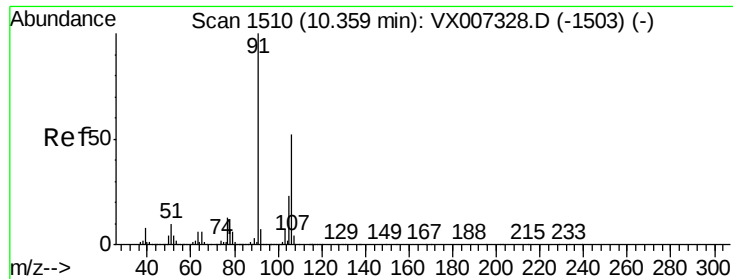
#64
Tetrachloroethene
Concen: 0.758 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX007523.D
Acq: 13 Feb 2019 16:30

Tgt Ion:164 Resp: 5457
Ion Ratio Lower Upper
164 100
166 123.8 101.0 151.4
129 112.1 70.5 105.7#
131 89.3 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

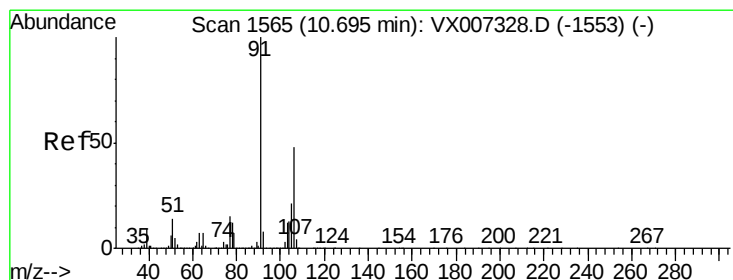
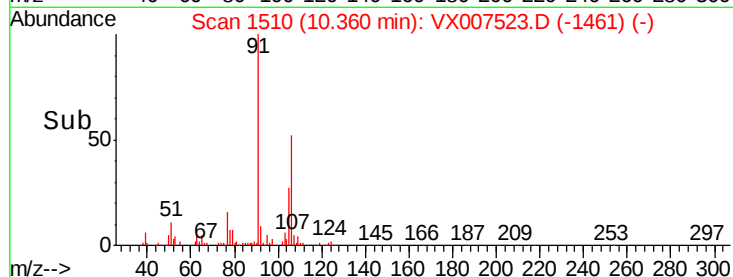
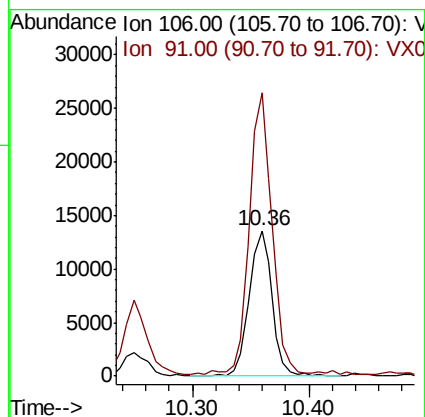
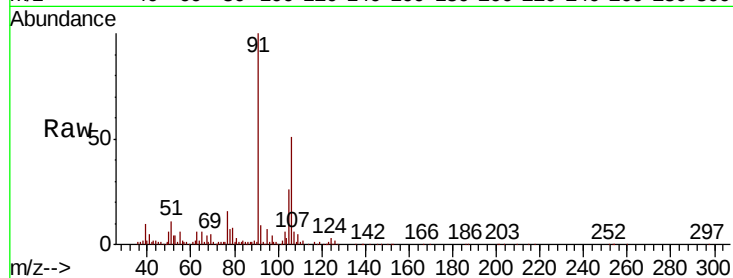




#68
m/p-Xylenes
Concen: 1.761 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX007523.D
Acq: 13 Feb 2019 16:30

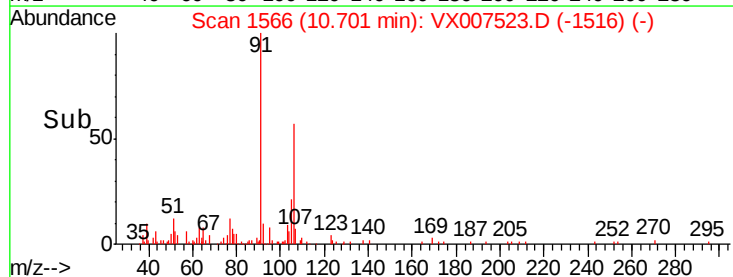
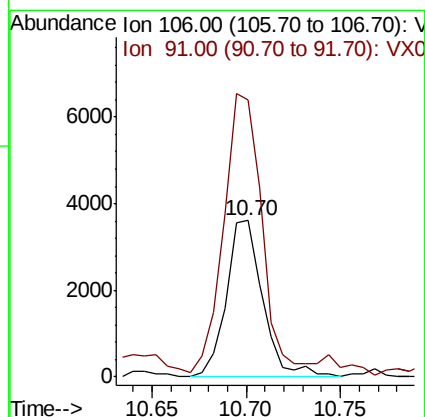
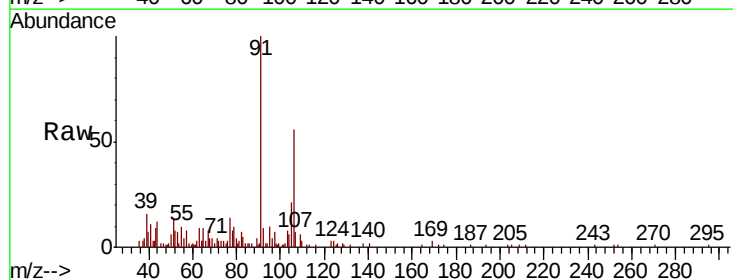
Instrument :
MSVOA_X
ClientSampleId :
MW-1-20190207

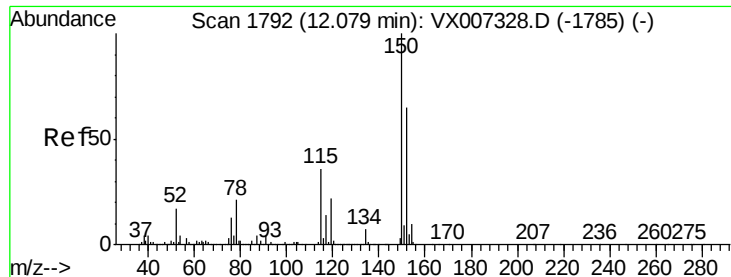
Tot Ion:106 Resp: 18789
Ion Ratio Lower Upper
106 100
91 189.0 156.6 234.8



#69
o-Xylene
Concen: 0.471 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.01 min
Lab File: VX007523.D
Acq: 13 Feb 2019 16:30

Tgt Ion:106 Resp: 4837
Ion Ratio Lower Upper
106 100
91 187.0 102.9 308.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX007523.D

Acq: 13 Feb 2019 16:30

Instrument :

MSVOA_X

ClientSampleId :

MW-1-20190207

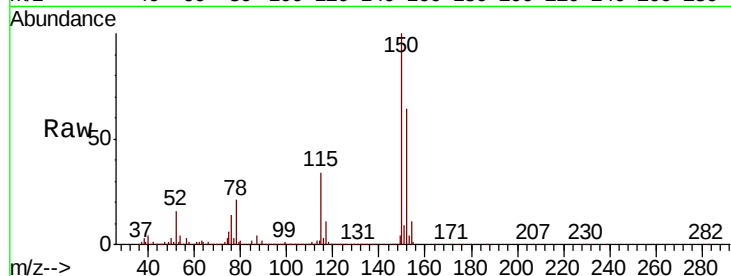
Tot Ion:152 Resp: 380501

Ion Ratio Lower Upper

152 100

115 55.6 38.0 114.0

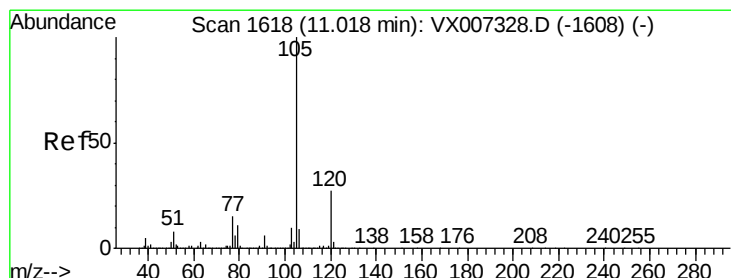
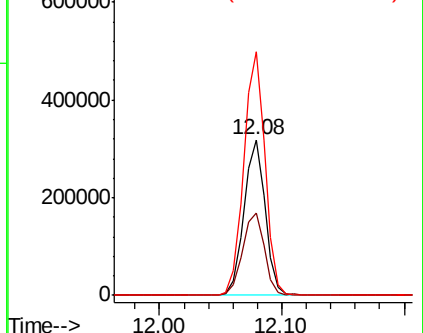
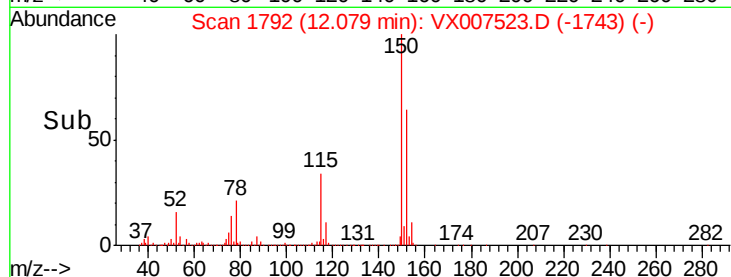
150 156.3 0.0 346.4



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: 5.104 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX007523.D

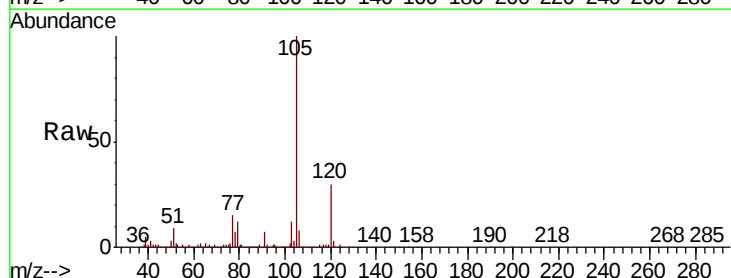
Acq: 13 Feb 2019 16:30

Tgt Ion:105 Resp: 131973

Ion Ratio Lower Upper

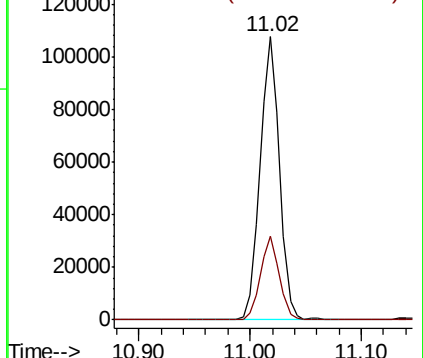
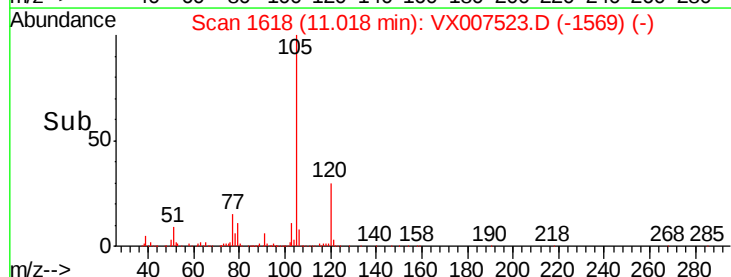
105 100

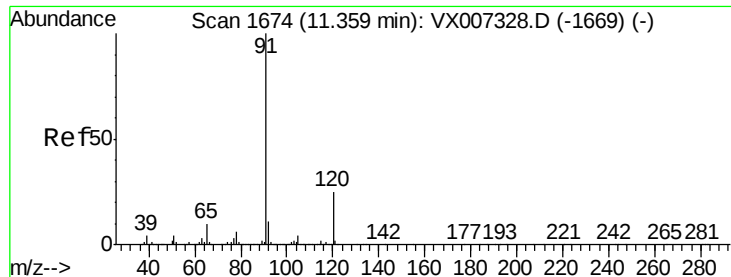
120 28.8 13.6 40.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 8.138 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX007523.D

Acq: 13 Feb 2019 16:30

Instrument :

MSVOA_X

ClientSampleId :

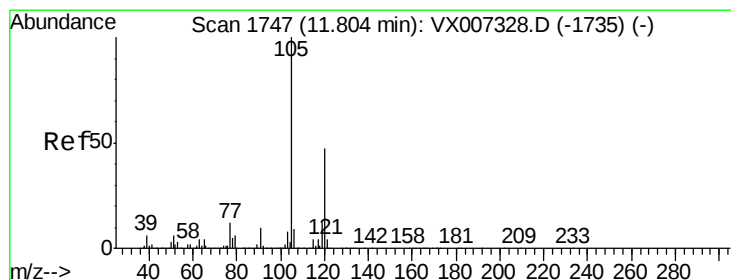
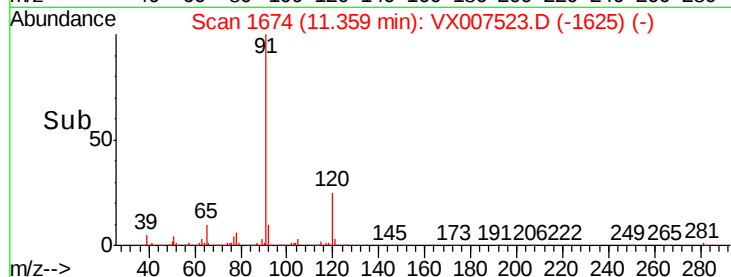
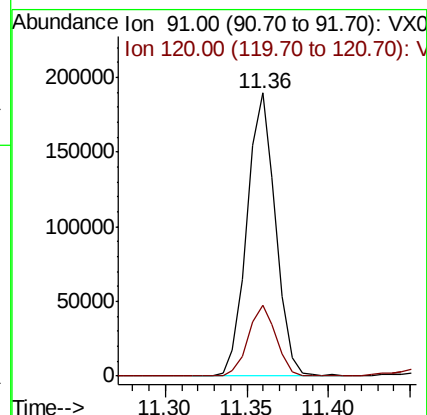
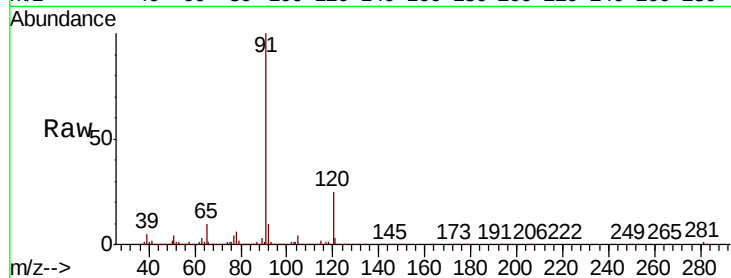
MW-1-20190207

Tot Ion: 91 Resp: 230743

Ion Ratio Lower Upper

91 100

120 24.7 12.4 37.2



#84

1,2,4-Trimethylbenzene

Concen: 0.819 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX007523.D

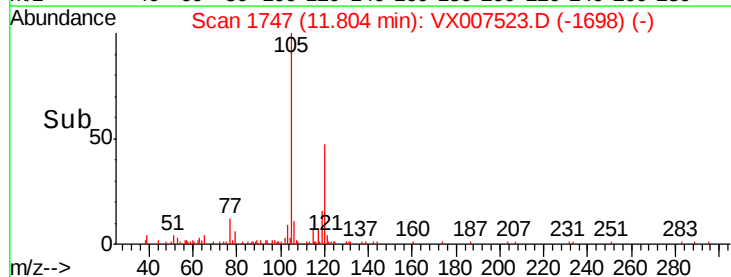
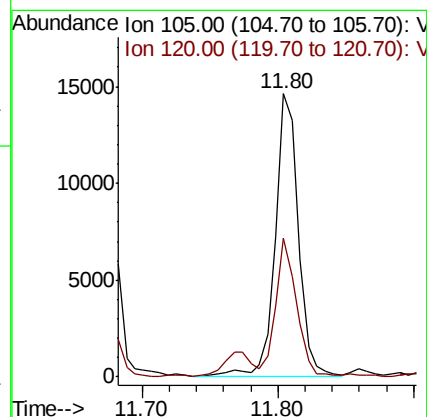
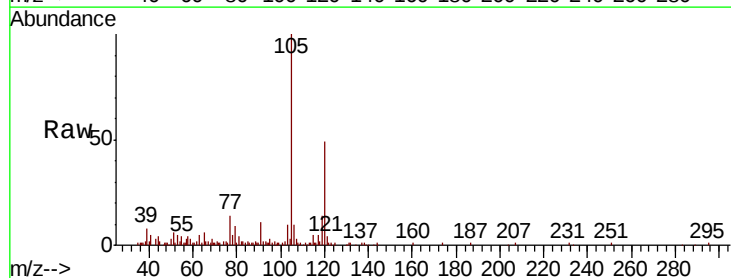
Acq: 13 Feb 2019 16:30

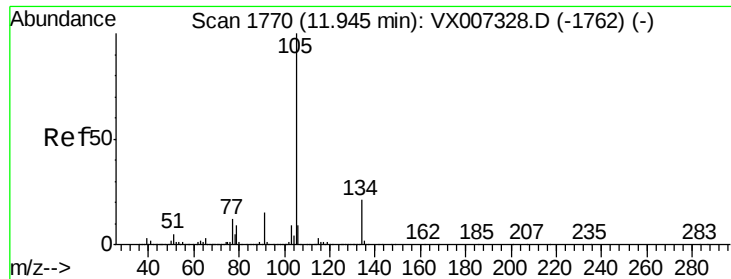
Tgt Ion: 105 Resp: 17594

Ion Ratio Lower Upper

105 100

120 42.6 23.1 69.3

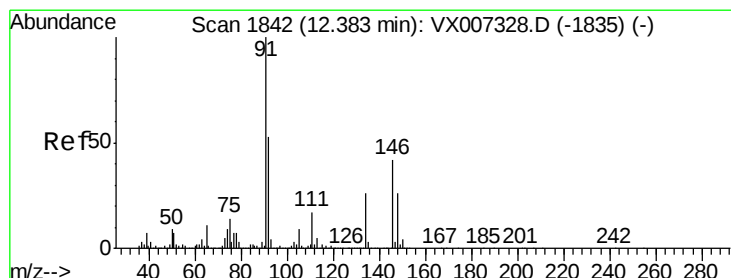
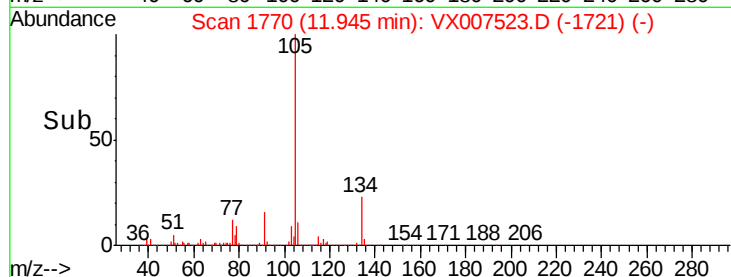
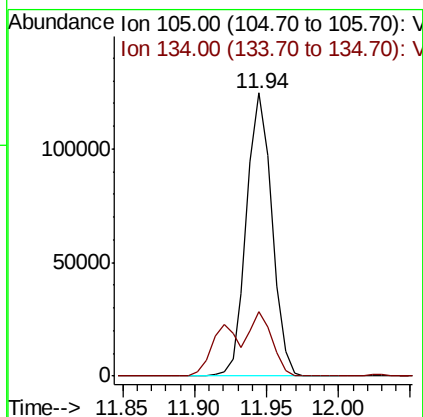
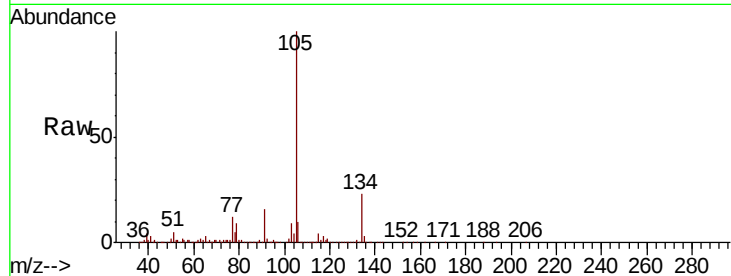




#85
 sec-Butylbenzene
 Concen: 5.985 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. 0.00 min
 Lab File: VX007523.D
 Acq: 13 Feb 2019 16:30

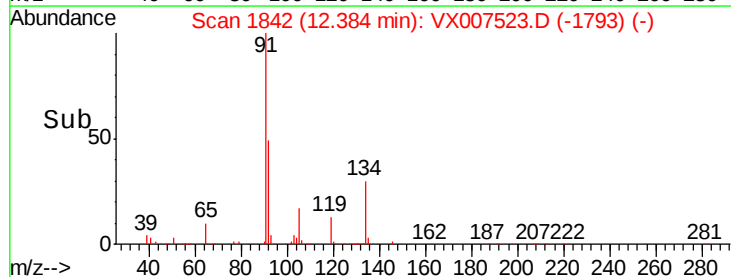
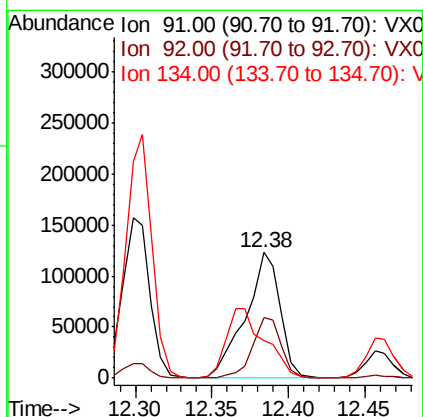
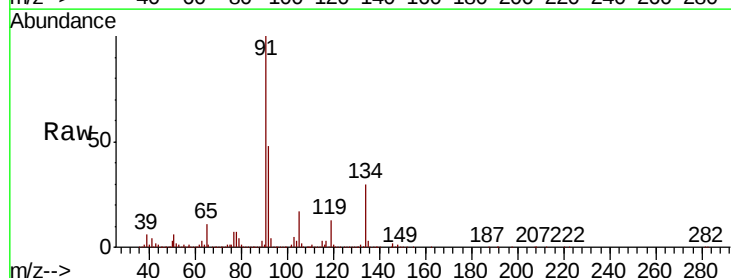
Instrument :
 MSVOA_X
 ClientSampled :
 MW-1-20190207

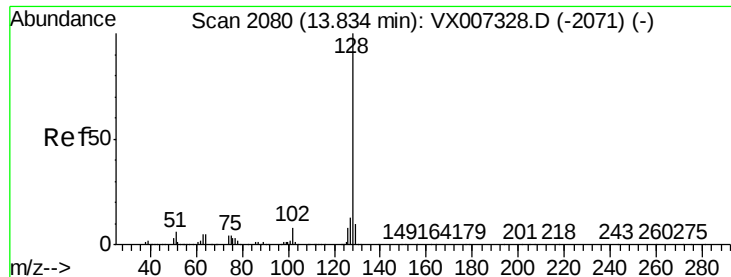
Tot Ion:105 Resp: 151724
 Ion Ratio Lower Upper
 105 100
 134 20.1 10.6 31.8



#89
 n-Butylbenzene
 Concen: 9.771 ug/l
 RT: 12.38 min Scan# 1842
 Delta R.T. 0.00 min
 Lab File: VX007523.D
 Acq: 13 Feb 2019 16:30

Tgt Ion: 91 Resp: 192328
 Ion Ratio Lower Upper
 91 100
 92 40.1 26.3 78.9
 134 61.5 13.9 41.6#





#95
Naphthalene
Concen: 3.478 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX007523.D
Acq: 13 Feb 2019 16:30

Instrument :
MSVOA_X
ClientSampleId :
MW-1-20190207

Tot Ion	Ratio	Lower	Upper
128	100		
127	15.1	10.5	15.7
129	15.9	8.7	13.1

