

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX020719\
 Data File : VX007418.D
 Acq On : 07 Feb 2019 12:03
 Operator : JC/SP
 Sample : K1392-01DL 5X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-11DL

Quant Time: Feb 08 22:15:31 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	519376	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	798576	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	754312	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	381799	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	277211	50.29	ug/l	0.00
Spiked Amount			Recovery	=	100.58%	
35) Dibromofluoromethane	5.50	113	256070	49.28	ug/l	0.00
Spiked Amount			Recovery	=	98.56%	
50) Toluene-d8	8.71	98	956870	49.63	ug/l	0.00
Spiked Amount			Recovery	=	99.26%	
62) 4-Bromofluorobenzene	11.13	95	343223	48.76	ug/l	0.00
Spiked Amount			Recovery	=	97.52%	

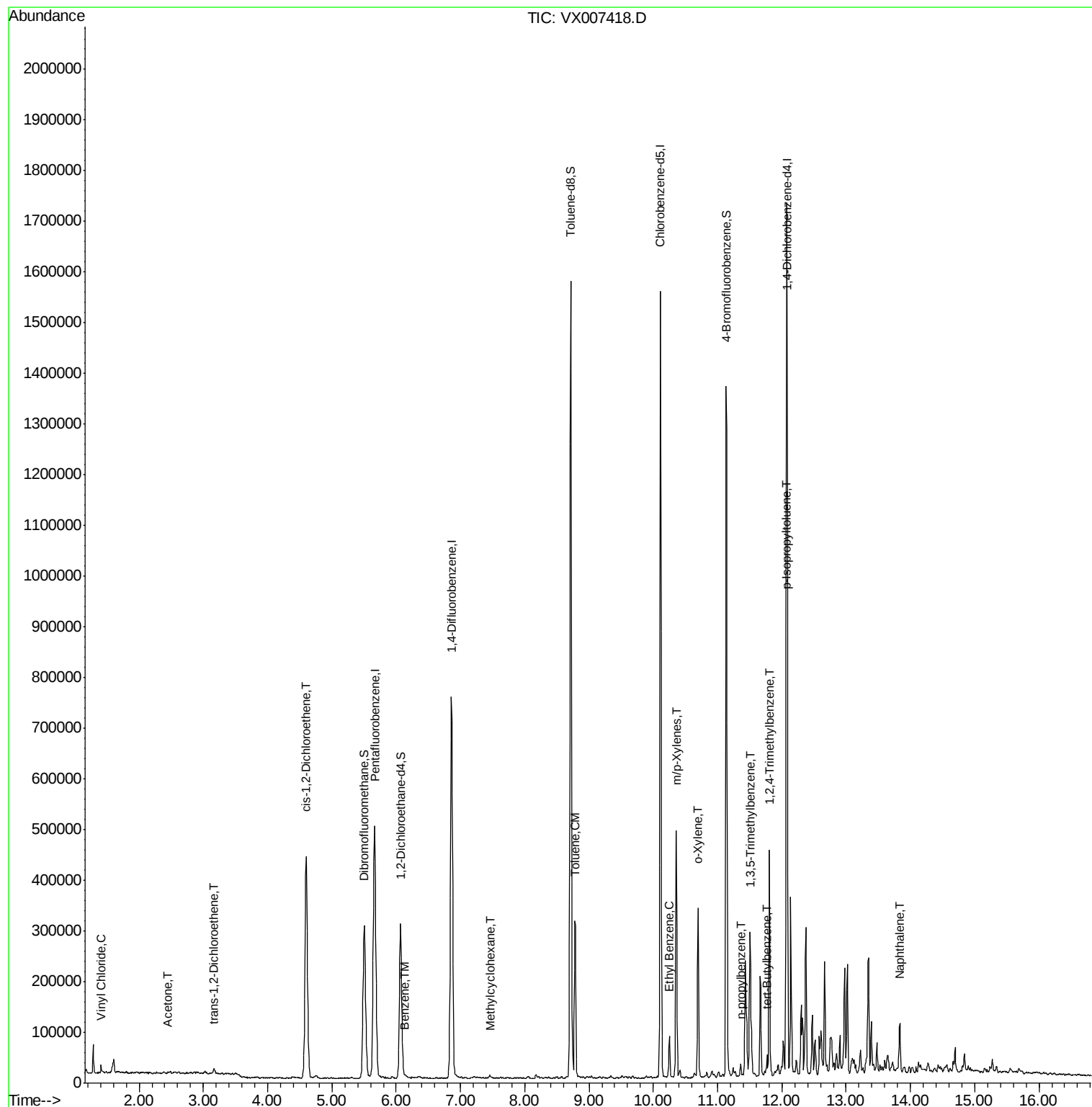
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.41	62	11241	1.959	ug/l	99
16) Acetone	2.45	43	4515	1.788	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	4229	0.801	ug/l #	88
27) cis-1,2-Dichloroethene	4.60	96	297773	51.608	ug/l	91
39) Methylcyclohexane	7.46	83	2876	0.332	ug/l	94
40) Benzene	6.14	78	6648	0.315	ug/l #	84
52) Toluene	8.78	92	120408	8.842	ug/l	100
67) Ethyl Benzene	10.25	91	44093	1.663	ug/l	98
68) m/p-Xylenes	10.36	106	119467	11.338	ug/l	98
69) o-Xylene	10.69	106	75817	7.477	ug/l	99
78) n-propylbenzene	11.36	91	14991	0.527	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	125374	5.907	ug/l	100
83) tert-Butylbenzene	11.77	119	7547	0.359	ug/l	86
84) 1,2,4-Trimethylbenzene	11.80	105	192836	8.948	ug/l	99
86) p-Isopropyltoluene	12.06	119	14837	0.646	ug/l	90
95) Naphthalene	13.83	128	60385	2.345	ug/l	97

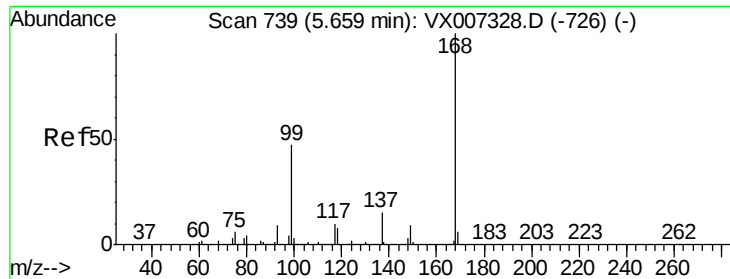
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Feb 08 22:15:31 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: VX007418.D

Acq: 07 Feb 2019 12:03

Instrument :

MSVOA_X

ClientSampleId :

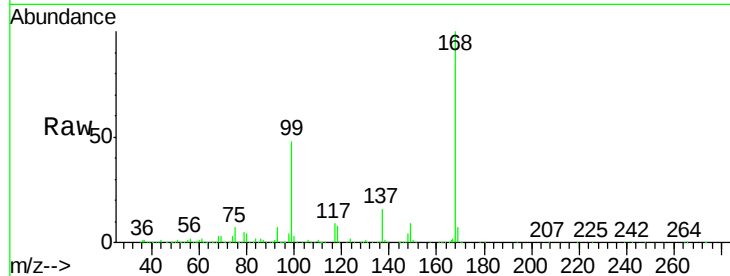
MW-11DL

Tot Ion:168 Resp: 519376

Ion Ratio Lower Upper

168 100

99 48.4 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

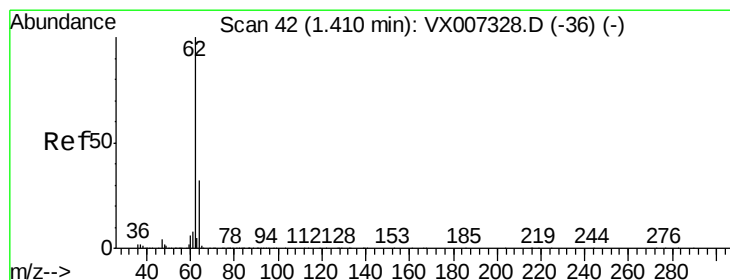
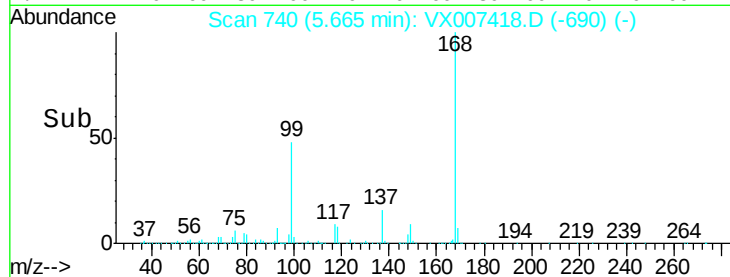
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#4

Vinyl Chloride

Concen: 1.959 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX007418.D

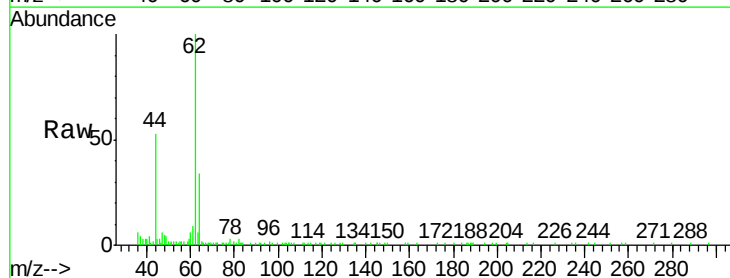
Acq: 07 Feb 2019 12:03

Tgt Ion: 62 Resp: 11241

Ion Ratio Lower Upper

62 100

64 31.2 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

12000

10000

8000

6000

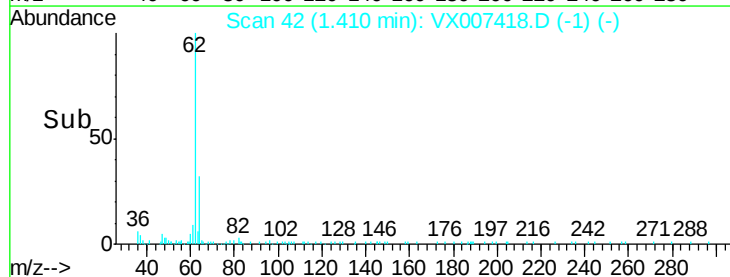
4000

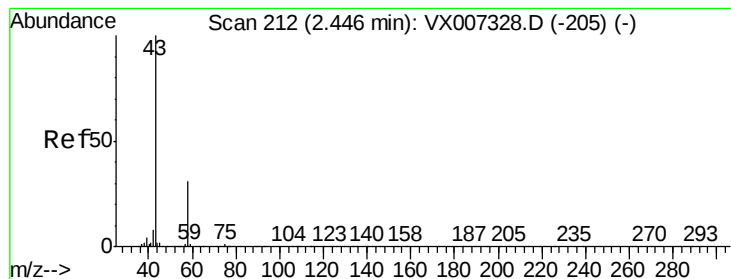
2000

0

Time-->

1.35 1.40 1.45 1.50





#16

Acetone

Concen: 1.788 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX007418.D

Acq: 07 Feb 2019 12:03

Instrument :

MSVOA_X

ClientSampleId :

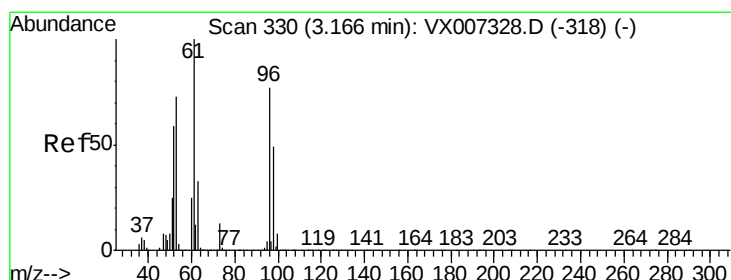
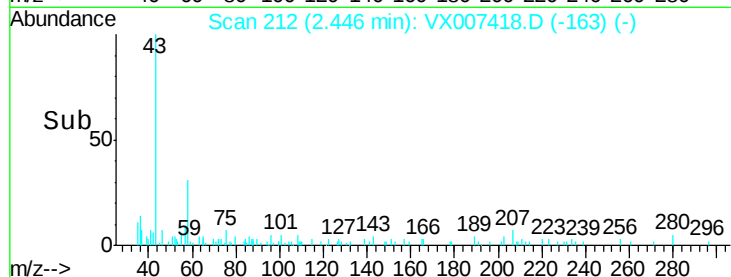
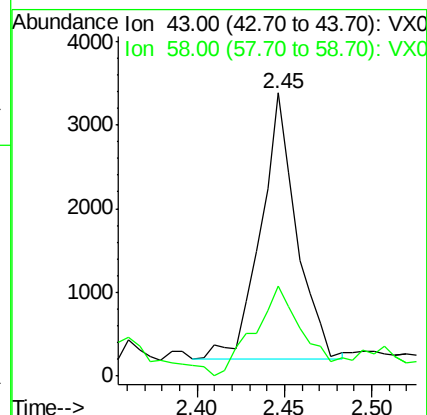
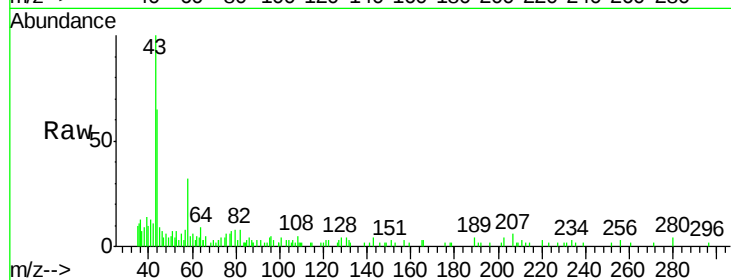
MW-11DL

Tot Ion: 43 Resp: 4515

Ion Ratio Lower Upper

43 100

58 30.1 24.9 37.3



#21

trans-1,2-Dichloroethene

Concen: 0.801 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX007418.D

Acq: 07 Feb 2019 12:03

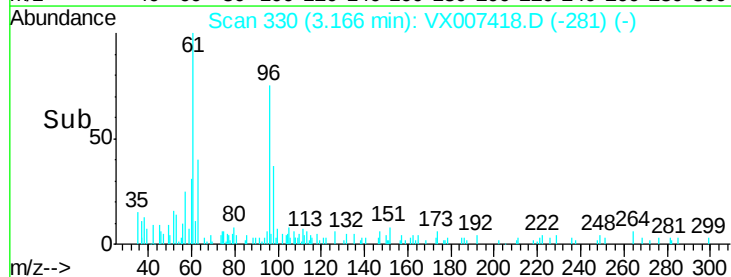
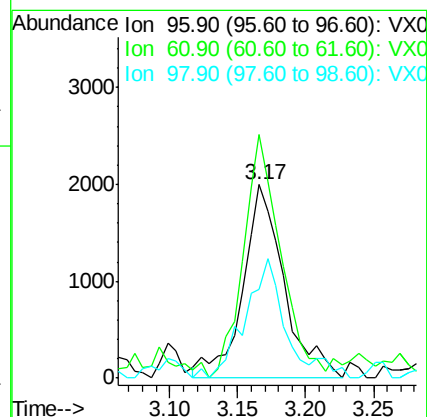
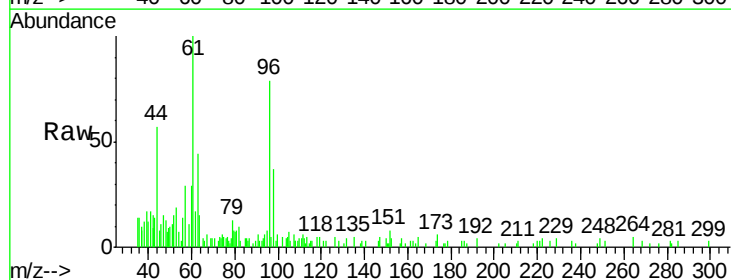
Tgt Ion: 96 Resp: 4229

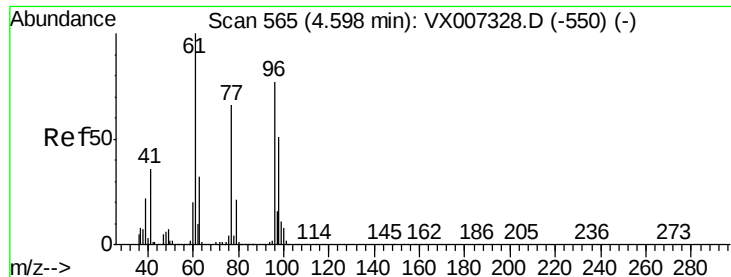
Ion Ratio Lower Upper

96 100

61 122.0 104.6 156.8

98 46.2 51.0 76.4#



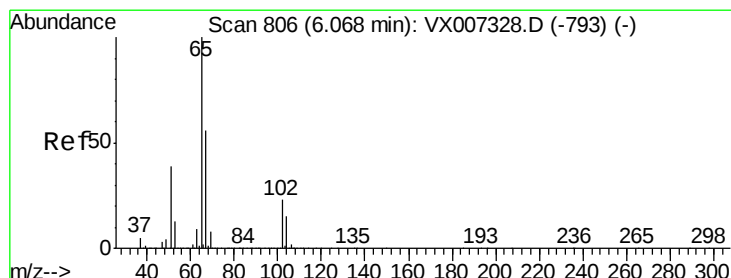
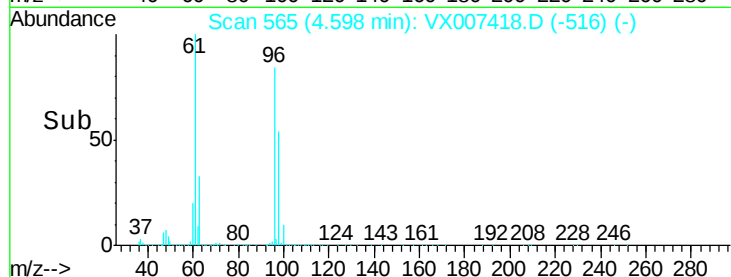
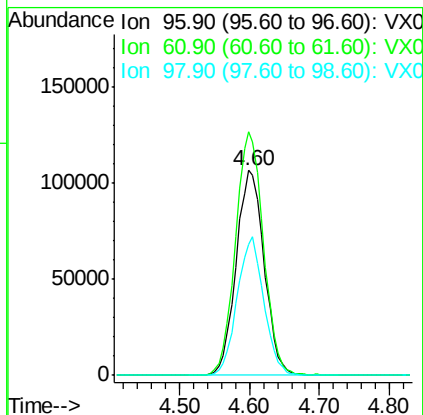
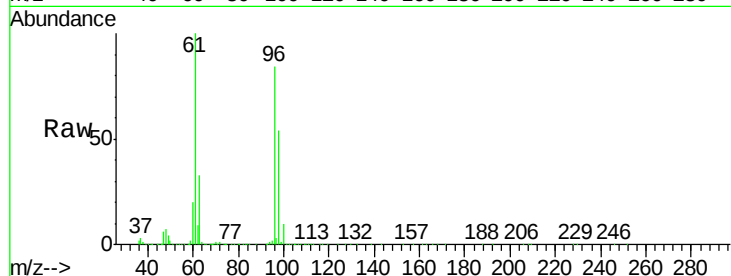


#27

cis-1,2-Dichloroethene
 Concen: 51.608 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. 0.00 min
 Lab File: VX007418.D
 Acq: 07 Feb 2019 12:03

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-11DL

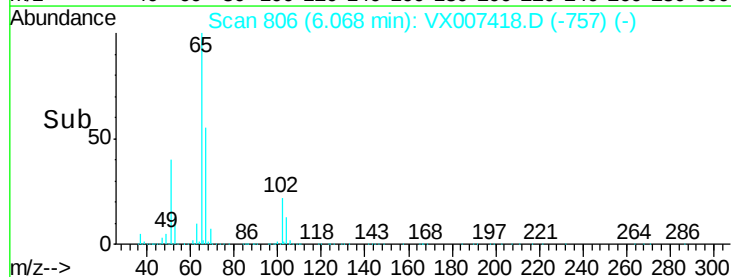
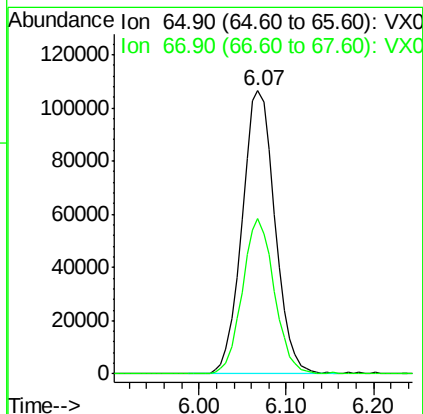
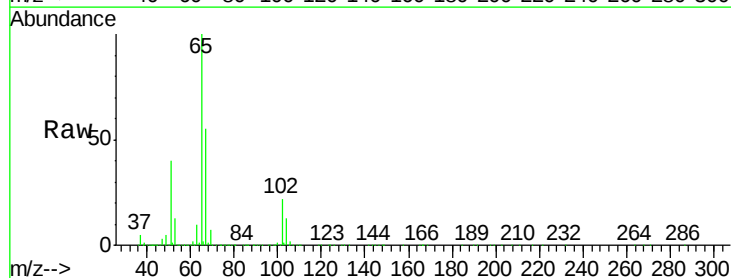
Tot Ion	Ratio	Lower	Upper
96	100		
61	117.7	0.0	265.6
98	64.2	0.0	131.6

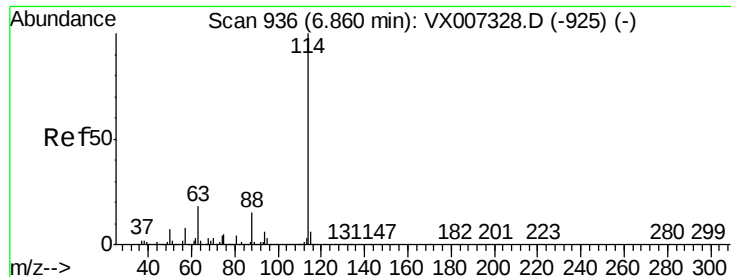


#33

1,2-Dichloroethane-d4
 Concen: 50.285 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX007418.D
 Acq: 07 Feb 2019 12:03

Tgt Ion	Ratio	Lower	Upper
65	100		
67	53.3	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: VX007418.D

Acq: 07 Feb 2019 12:03

Instrument :

MSVOA_X

ClientSampleId :

MW-11DL

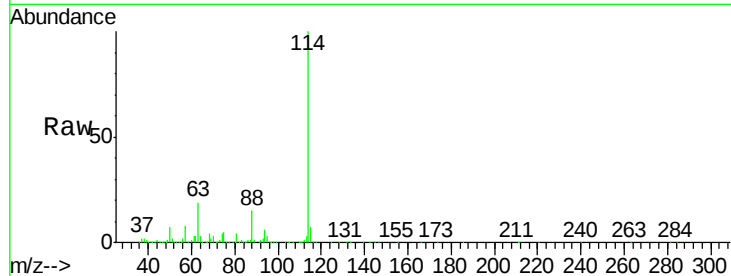
Tot Ion:114 Resp: 798576

Ion Ratio Lower Upper

114 100

63 18.9 0.0 35.6

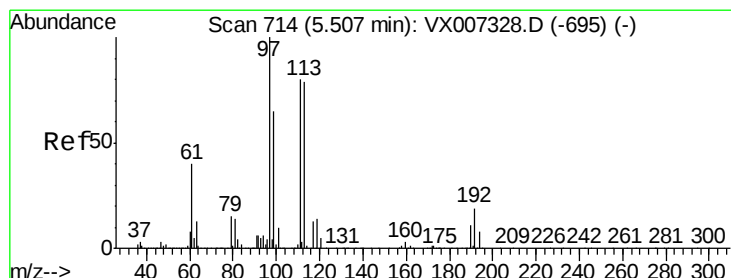
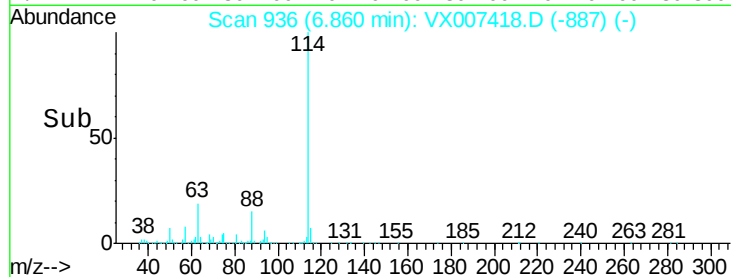
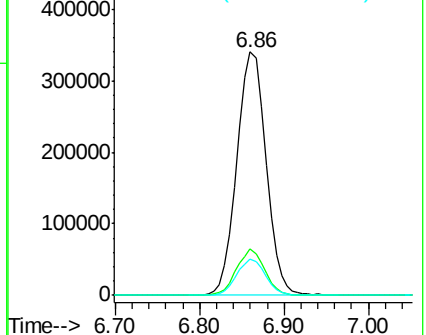
88 14.7 0.0 29.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 49.282 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.01 min

Lab File: VX007418.D

Acq: 07 Feb 2019 12:03

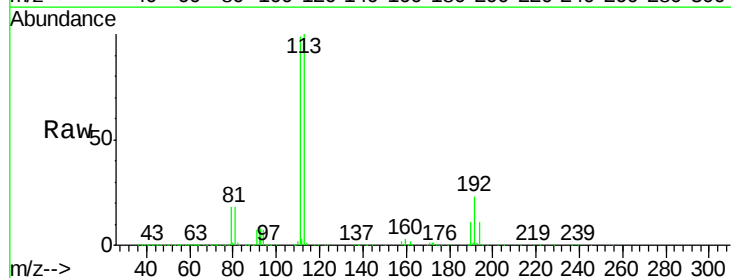
Tgt Ion:113 Resp: 256070

Ion Ratio Lower Upper

113 100

111 102.7 81.8 122.8

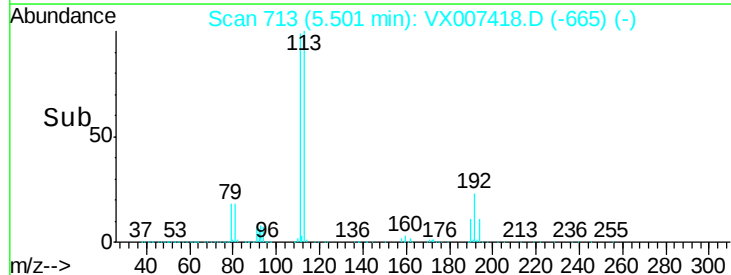
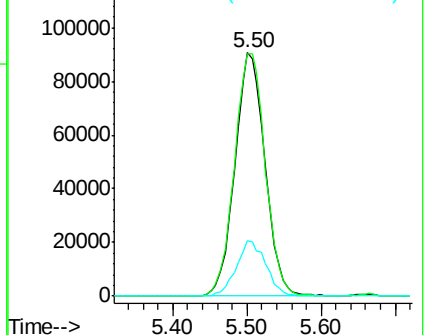
192 22.4 18.5 27.7

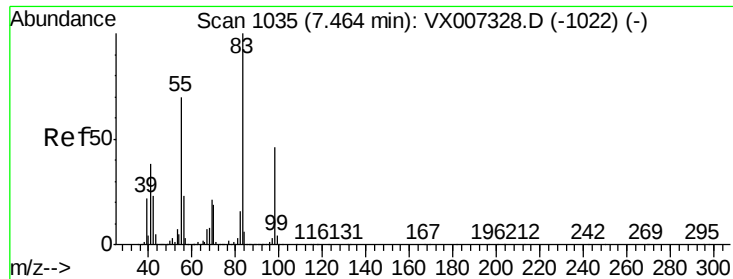


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

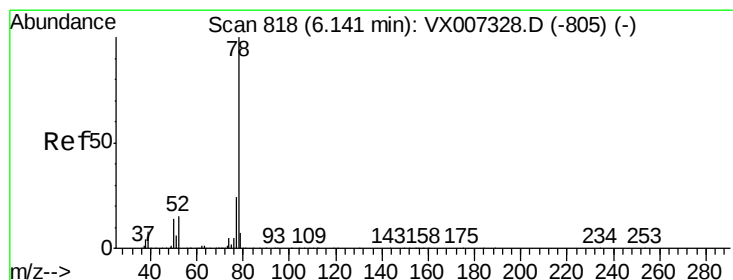
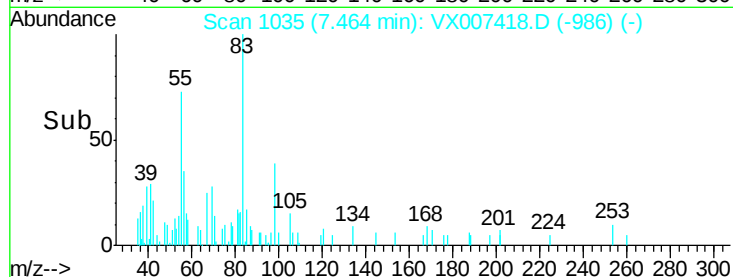
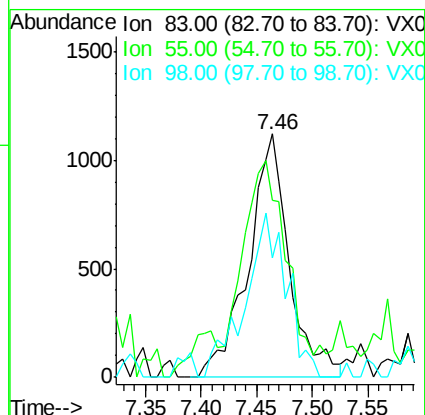
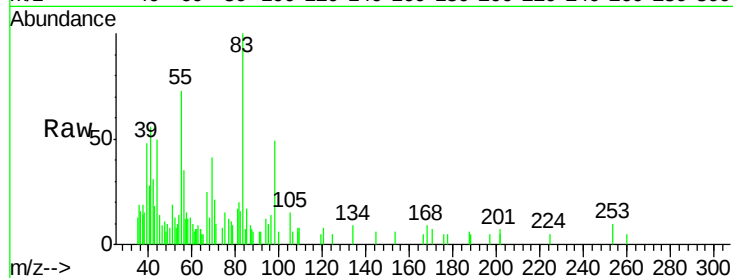




#39
Methvlcvclohexane
Concen: 0.332 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX007418.D
Acq: 07 Feb 2019 12:03

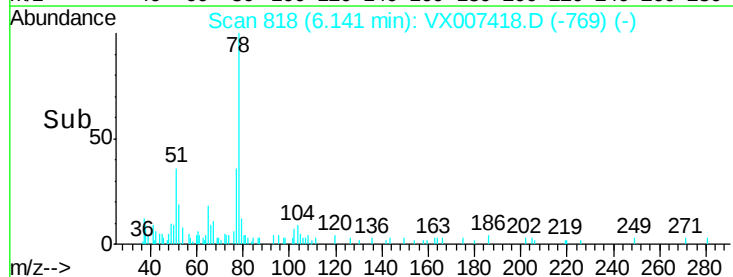
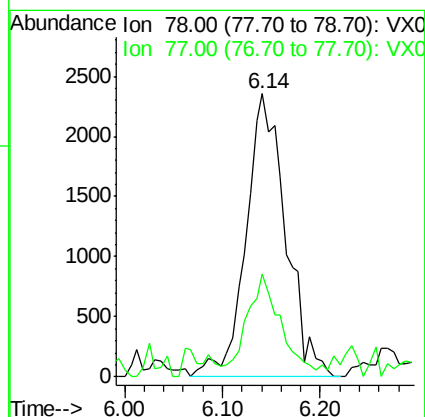
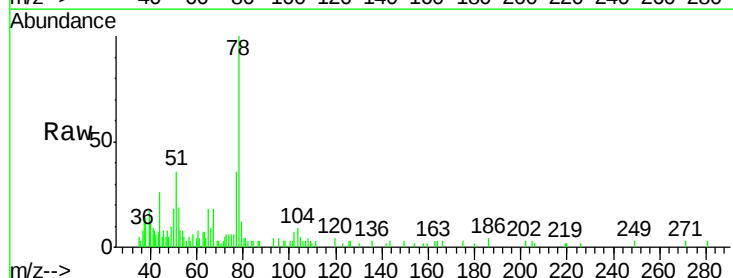
Instrument :
MSVOA_X
ClientSampled :
MW-11DL

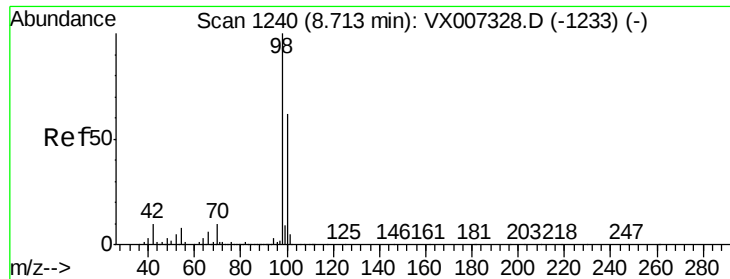
Tot Ion: 83 Resp: 2876
Ion Ratio Lower Upper
83 100
55 64.0 56.2 84.2
98 49.2 36.8 55.2



#40
Benzene
Concen: 0.315 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX007418.D
Acq: 07 Feb 2019 12:03

Tgt Ion: 78 Resp: 6648
Ion Ratio Lower Upper
78 100
77 32.2 19.3 28.9#





#50

Toluene-d8

Concen: 49.635 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX007418.D

Acq: 07 Feb 2019 12:03

Instrument :

MSVOA_X

ClientSampleId :

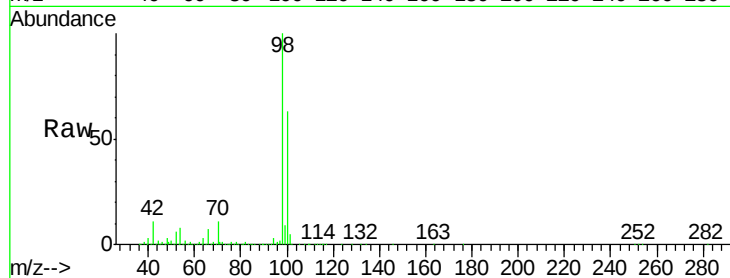
MW-11DL

Tot Ion: 98 Resp: 956870

Ion Ratio Lower Upper

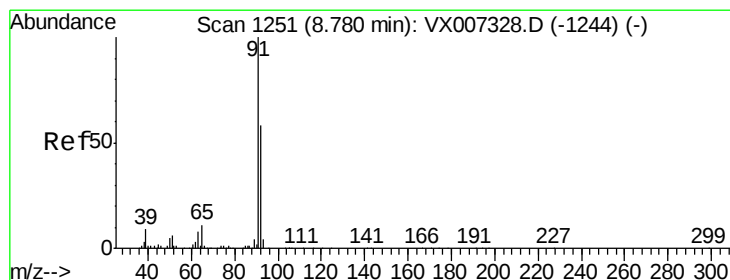
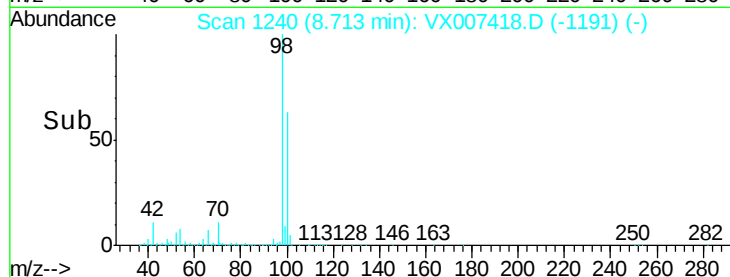
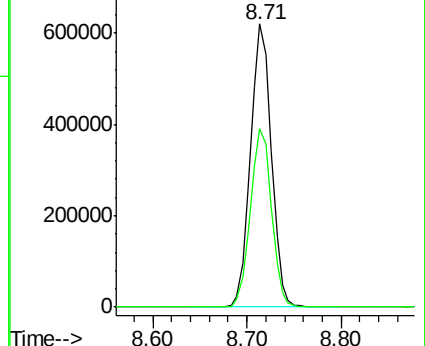
98 100

100 63.7 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: 8.842 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VX007418.D

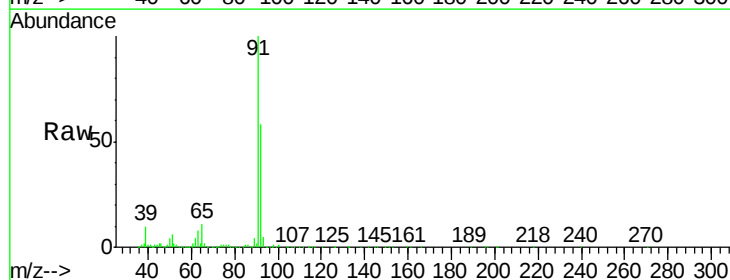
Acq: 07 Feb 2019 12:03

Tgt Ion: 92 Resp: 120408

Ion Ratio Lower Upper

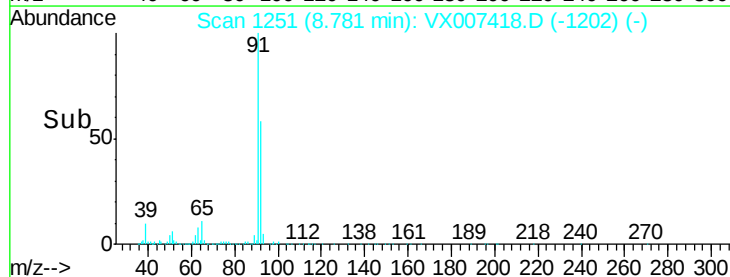
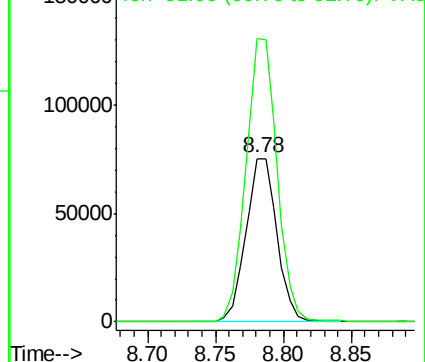
92 100

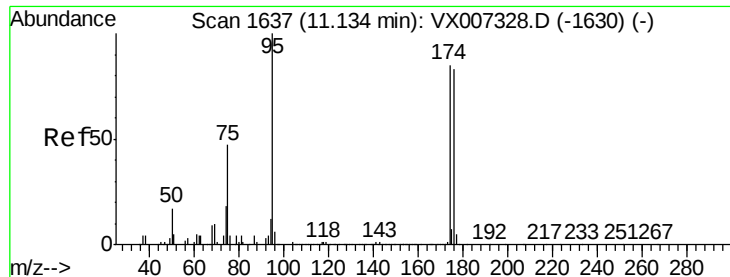
91 174.5 139.1 208.7



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





#62

4-Bromofluorobenzene

Concen: 48.764 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX007418.D

Acq: 07 Feb 2019 12:03

Instrument :

MSVOA_X

ClientSampleId :

MW-11DL

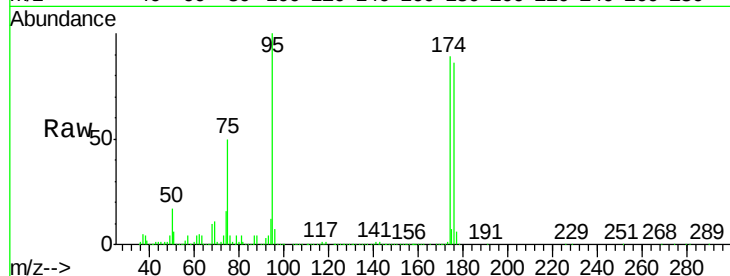
Tot Ion: 95 Resp: 343223

Ion Ratio Lower Upper

95 100

174 94.4 0.0 189.2

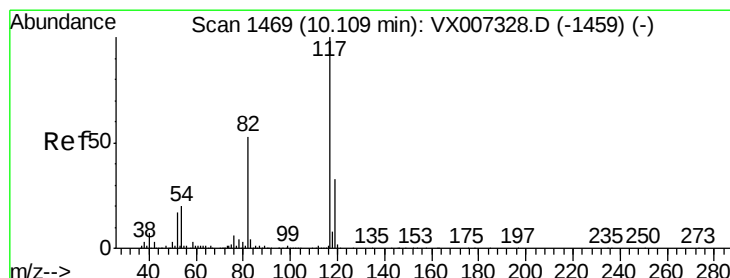
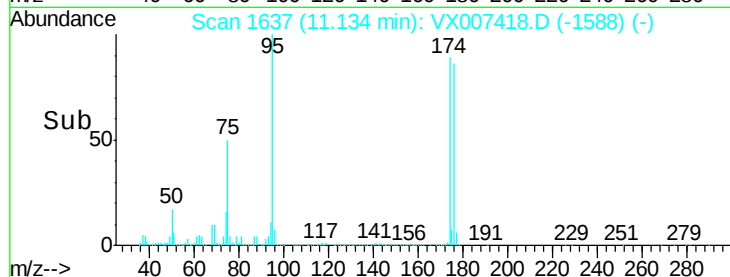
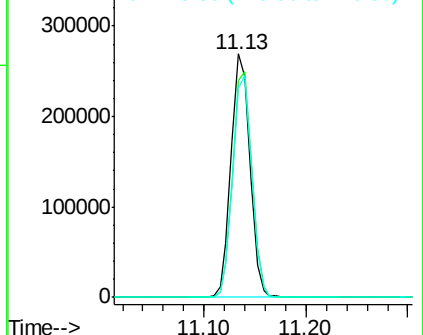
176 91.9 0.0 186.2



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: VX007418.D

Acq: 07 Feb 2019 12:03

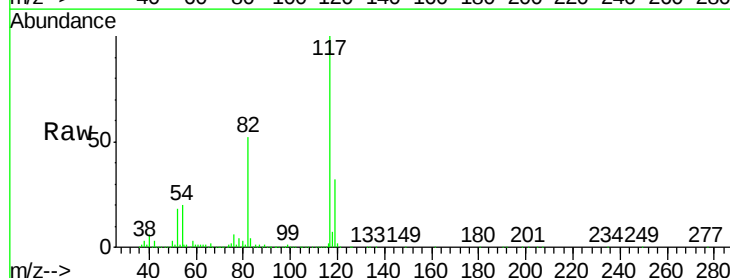
Tgt Ion: 117 Resp: 754312

Ion Ratio Lower Upper

117 100

82 52.1 42.1 63.1

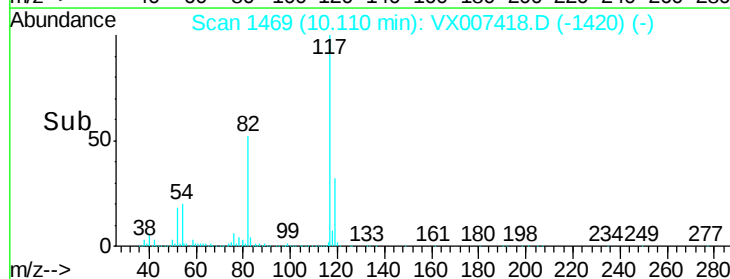
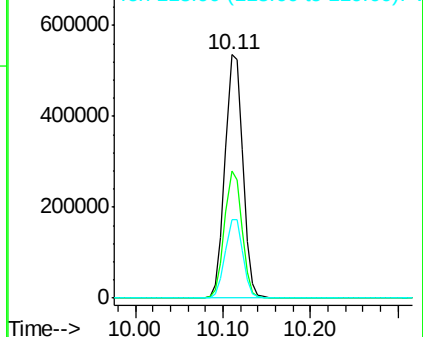
119 32.5 26.5 39.7

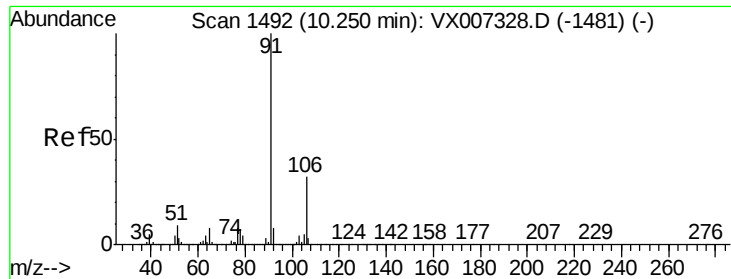


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V

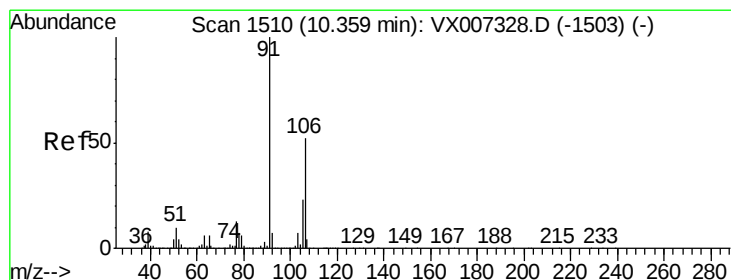
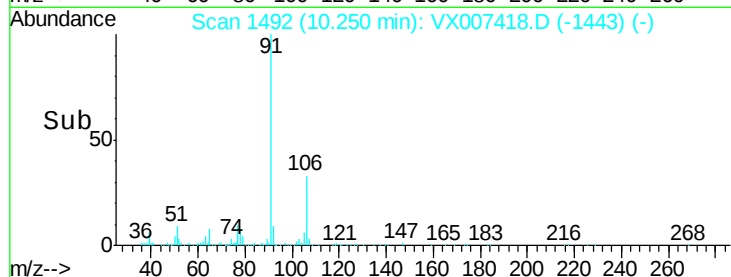
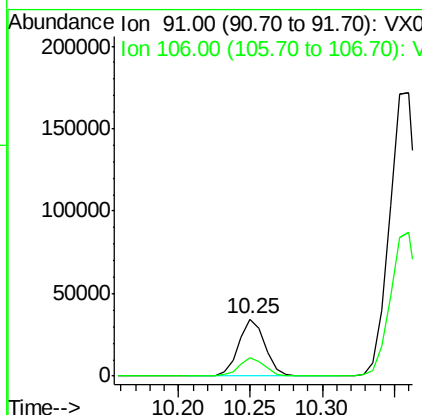
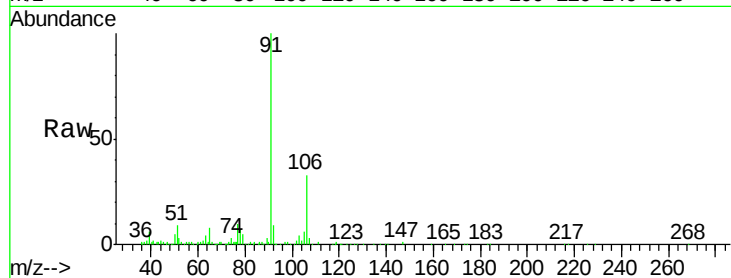




#67
Ethyl Benzene
Concen: 1.663 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX007418.D
Acq: 07 Feb 2019 12:03

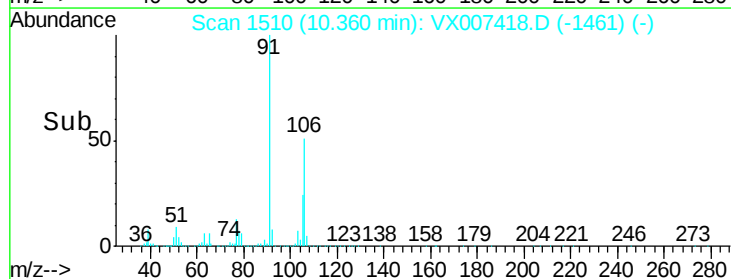
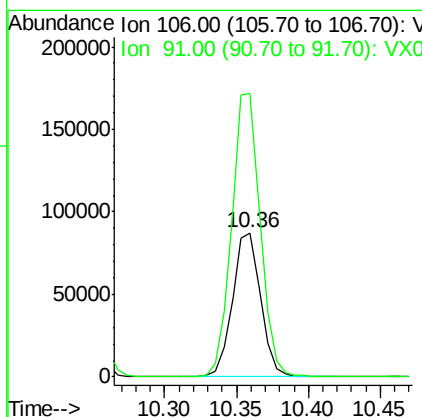
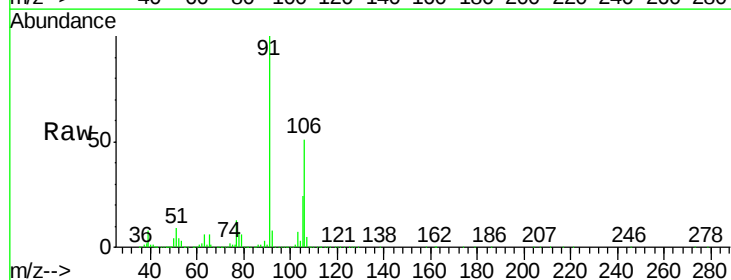
Instrument :
MSVOA_X
ClientSampleId :
MW-11DL

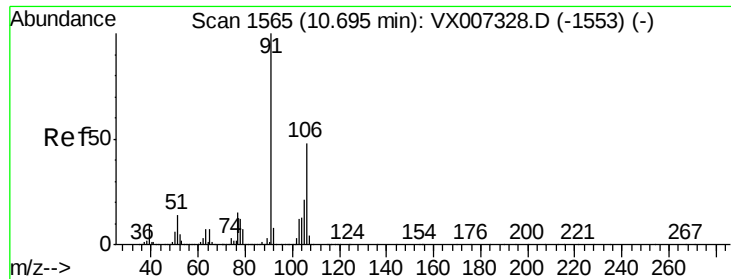
Tot Ion: 91 Resp: 44093
Ion Ratio Lower Upper
91 100
106 33.0 25.4 38.0



#68
m/p-Xylenes
Concen: 11.338 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX007418.D
Acq: 07 Feb 2019 12:03

Tgt Ion: 106 Resp: 119467
Ion Ratio Lower Upper
106 100
91 199.2 156.6 234.8

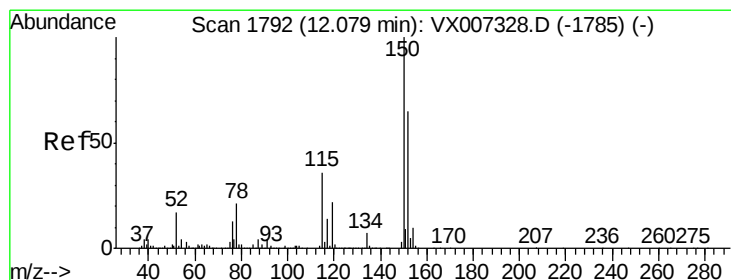
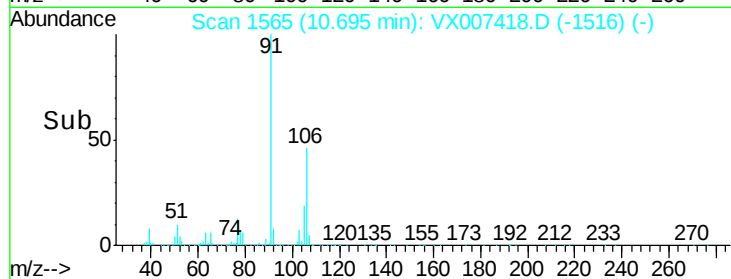
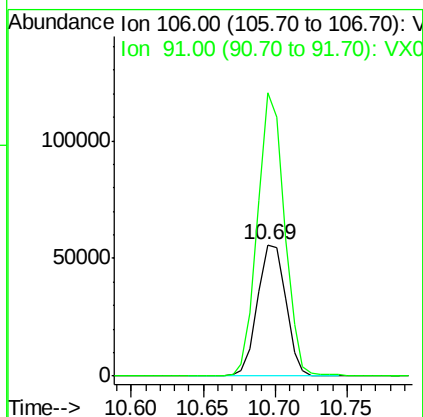
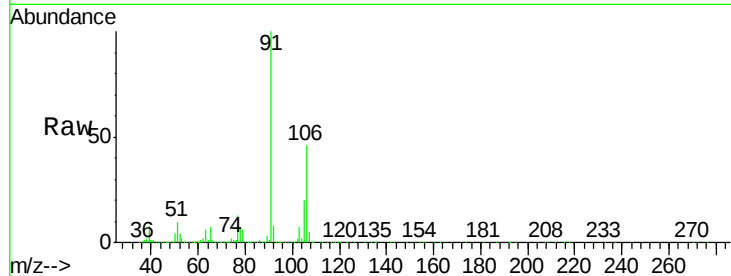




#69
o-Xylene
Concen: 7.477 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX007418.D
Acq: 07 Feb 2019 12:03

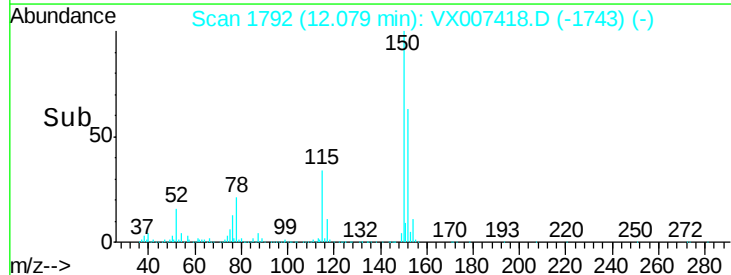
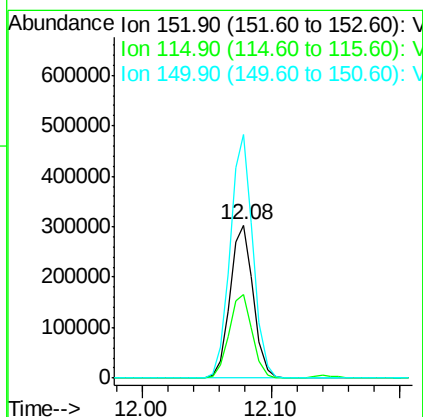
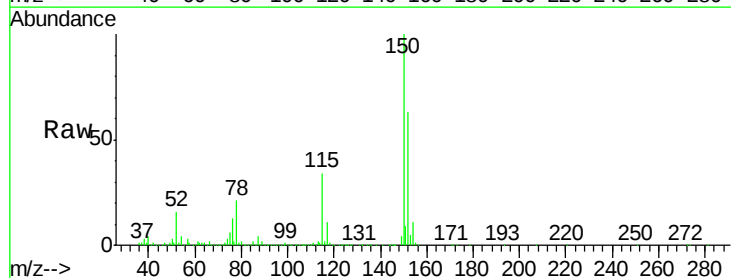
Instrument :
MSVOA_X
ClientSampled :
MW-11DL

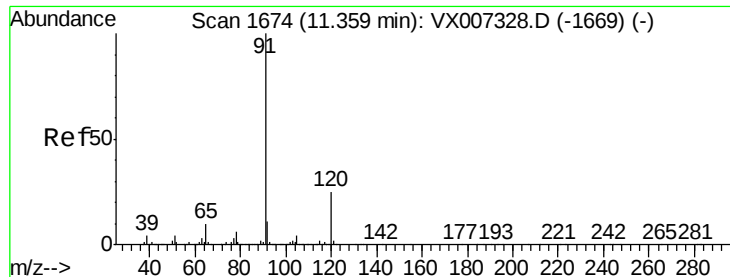
Tot Ion:106 Resp: 75817
Ion Ratio Lower Upper
106 100
91 204.6 102.9 308.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX007418.D
Acq: 07 Feb 2019 12:03

Tgt Ion:152 Resp: 381799
Ion Ratio Lower Upper
152 100
115 54.6 38.0 114.0
150 155.4 0.0 346.4





#78

n-propylbenzene

Concen: 0.527 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX007418.D

Acq: 07 Feb 2019 12:03

Instrument :

MSVOA_X

ClientSampled :

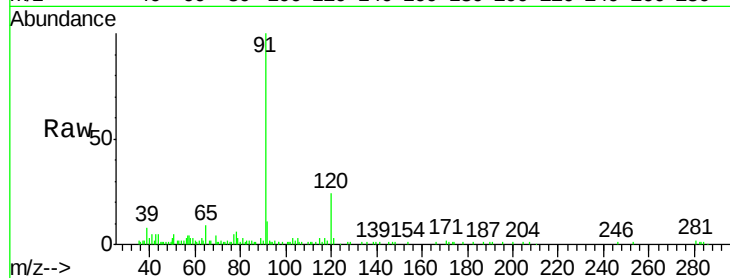
MW-11DL

Tot Ion: 91 Resp: 14991

Ion Ratio Lower Upper

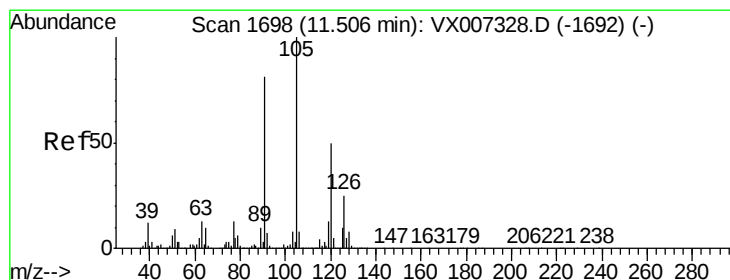
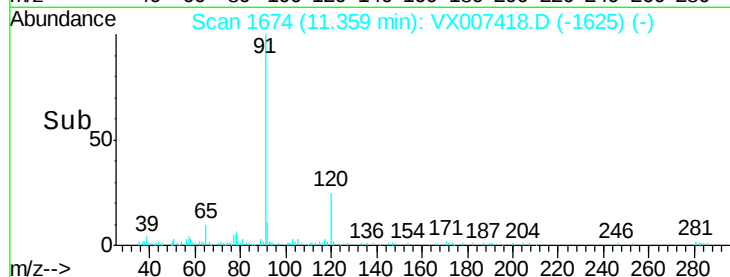
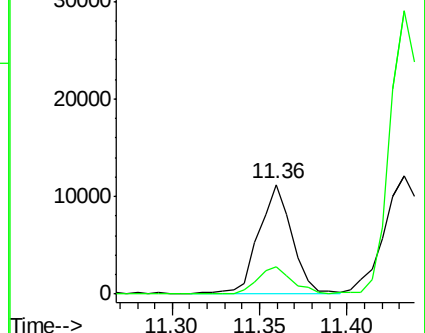
91 100

120 25.4 12.4 37.2



Abundance Ion 91.00 (90.70 to 91.70): VX007418.D (-1669) (-)

Ion 120.00 (119.70 to 120.70): VX007418.D (-1669) (-)



#80

1,3,5-Trimethylbenzene

Concen: 5.907 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX007418.D

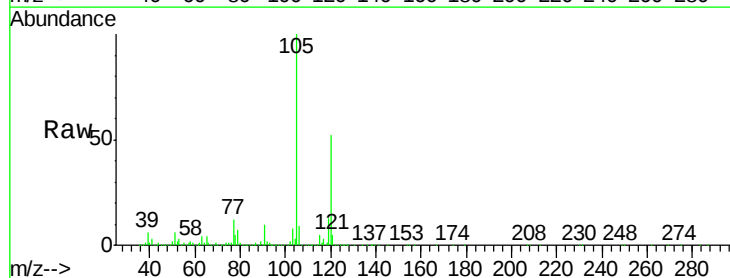
Acq: 07 Feb 2019 12:03

Tgt Ion: 105 Resp: 125374

Ion Ratio Lower Upper

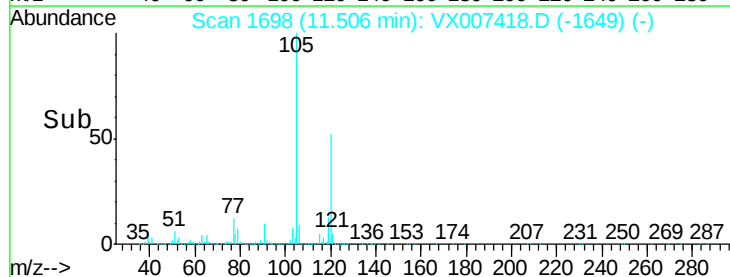
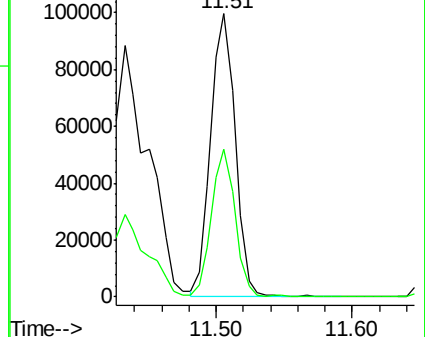
105 100

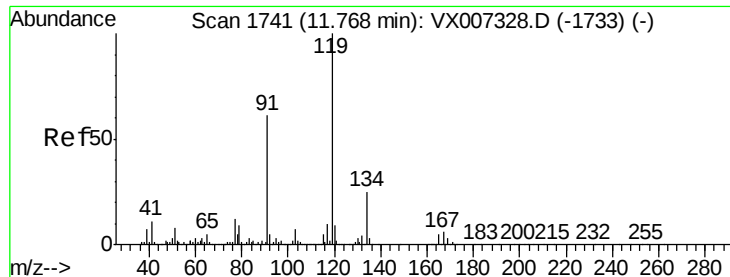
120 50.3 25.3 75.8



Abundance Ion 105.00 (104.70 to 105.70): VX007418.D (-1649) (-)

Ion 120.00 (119.70 to 120.70): VX007418.D (-1649) (-)





#83

tert-Butylbenzene

Concen: 0.359 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX007418.D

Acq: 07 Feb 2019 12:03

Instrument :

MSVOA_X

ClientSampled :

MW-11DL

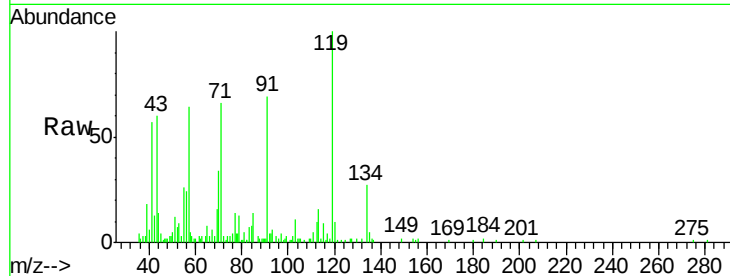
Tot Ion:119 Resp: 7547

Ion Ratio Lower Upper

119 100

91 67.8 28.5 85.6

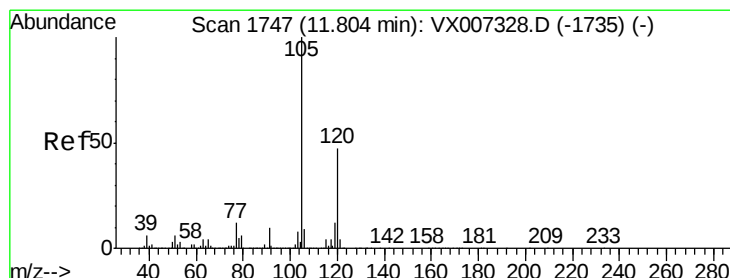
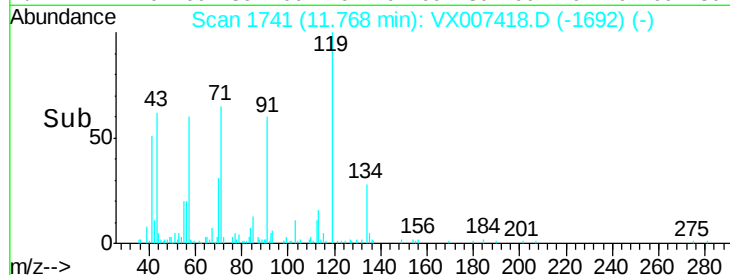
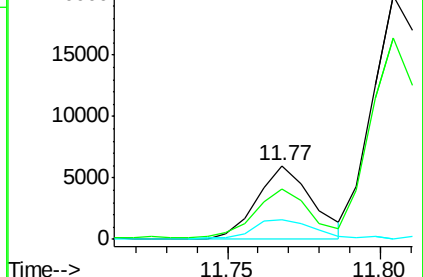
134 30.1 12.0 36.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 8.948 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX007418.D

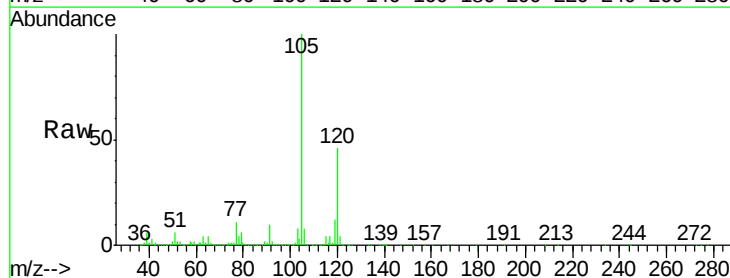
Acq: 07 Feb 2019 12:03

Tgt Ion:105 Resp: 192836

Ion Ratio Lower Upper

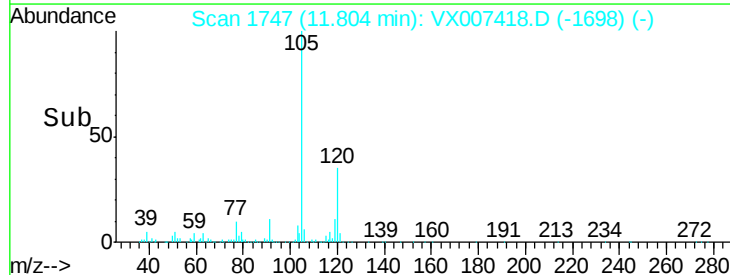
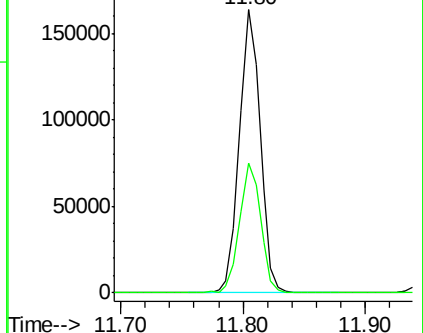
105 100

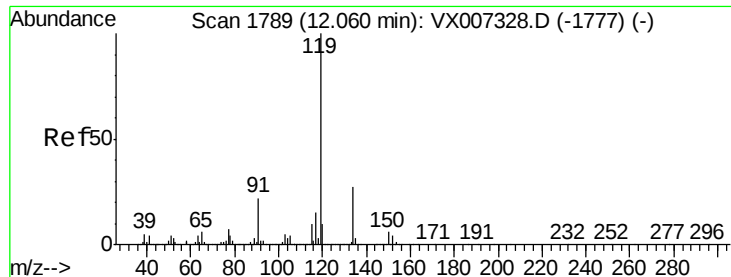
120 47.1 23.1 69.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#86

p-Isopropyltoluene

Concen: 0.646 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX007418.D

Acq: 07 Feb 2019 12:03

Instrument :

MSVOA_X

ClientSampleId :

MW-11DL

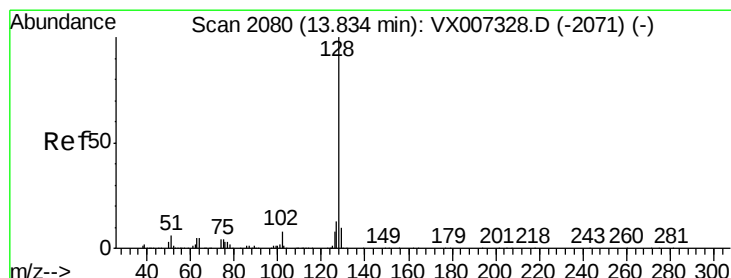
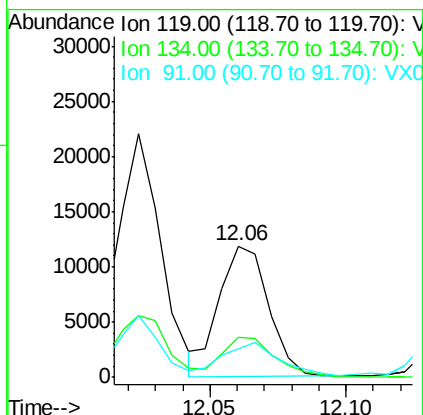
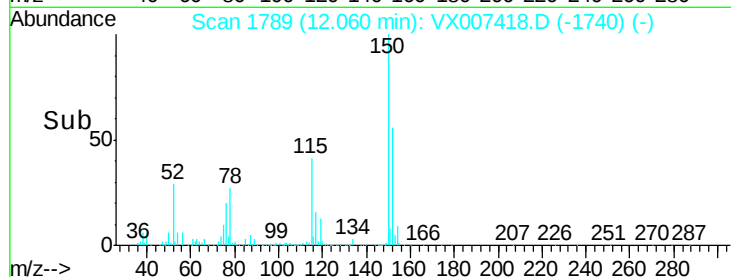
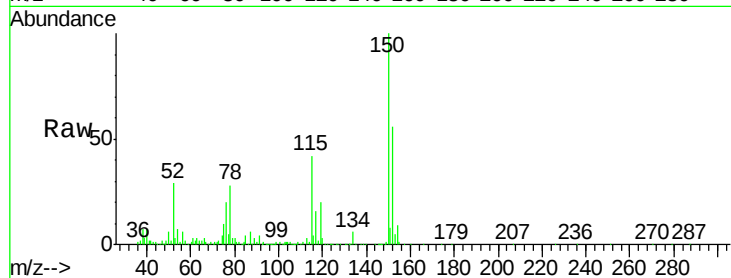
Tot Ion:119 Resp: 14837

Ion Ratio Lower Upper

119 100

134 32.4 13.7 41.1

91 27.7 11.2 33.5



#95

Naphthalene

Concen: 2.345 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX007418.D

Acq: 07 Feb 2019 12:03

Tgt Ion:128 Resp: 60385

Ion Ratio Lower Upper

128 100

127 14.0 10.5 15.7

129 12.6 8.7 13.1

