

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061319\
 Data File : VX010279.D
 Acq On : 13 Jun 2019 17:46
 Operator : JC/SP
 Sample : K3341-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-4

Quant Time: Jun 14 04:12:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060719W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 08 02:12:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	341718	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	515620	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	460219	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	219526	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	152831	45.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.64%	
35) Dibromofluoromethane	5.50	113	154957	48.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.44%	
50) Toluene-d8	8.71	98	607171	50.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.88%	
62) 4-Bromofluorobenzene	11.13	95	205863	46.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.48%	

Target Compounds

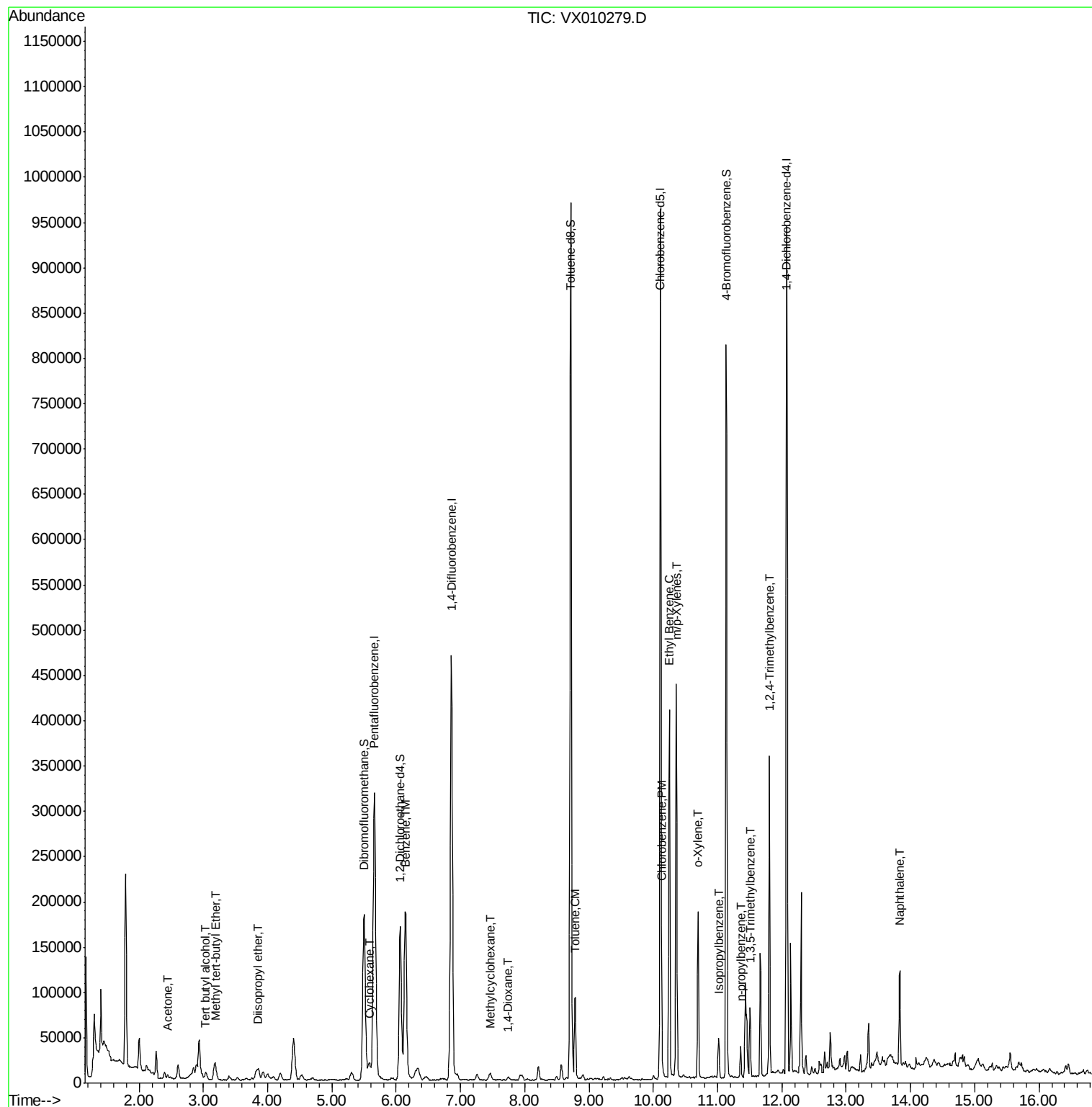
						Qvalue
11) Tert butyl alcohol	3.04	59	10892	13.330	ug/l	99
16) Acetone	2.44	43	5095	3.248	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	10575	1.072	ug/l #	39
22) Diisopropyl ether	3.86	45	12945	1.461	ug/l #	61
31) Cyclohexane	5.58	56	13570	2.796	ug/l	90
39) Methylcyclohexane	7.47	83	3452	0.603	ug/l	91
40) Benzene	6.15	78	240695	18.504	ug/l	99
49) 1,4-Dioxane	7.74	88	1787	18.313	ug/l #	89
52) Toluene	8.78	92	35218	4.119	ug/l	98
65) Chlorobenzene	10.13	112	3627	0.382	ug/l	100
67) Ethyl Benzene	10.25	91	240152	14.852	ug/l	96
68) m/p-Xylenes	10.36	106	111490	17.818	ug/l	89
69) o-Xylene	10.69	106	43494	6.993	ug/l	88
73) Isopropylbenzene	11.02	105	22918	1.496	ug/l	95
78) n-propylbenzene	11.36	91	20313	1.191	ug/l	94
80) 1,3,5-Trimethylbenzene	11.51	105	32644	2.529	ug/l	96
84) 1,2,4-Trimethylbenzene	11.80	105	149971	11.503	ug/l	93
95) Naphthalene	13.83	128	70624	4.247	ug/l	99

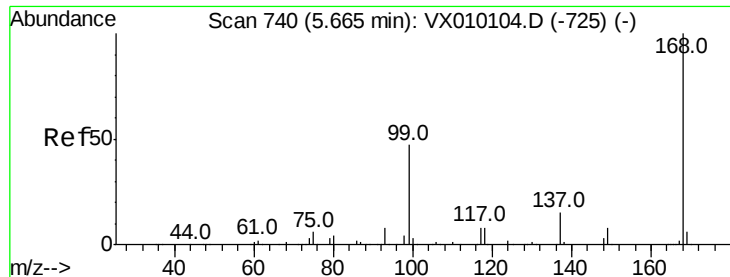
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jun 14 04:12:25 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X060719W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 08 02:12:13 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX010279.D

Acq: 13 Jun 2019 17:46

Instrument :

MSVOA_X

ClientSampled :

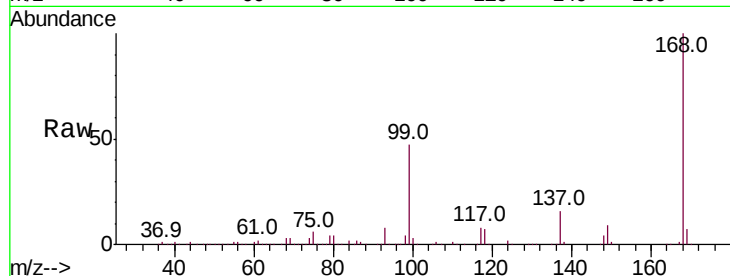
MW-4

Tot Ion:168 Resp: 341718

Ion Ratio Lower Upper

168 100

99 46.9 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

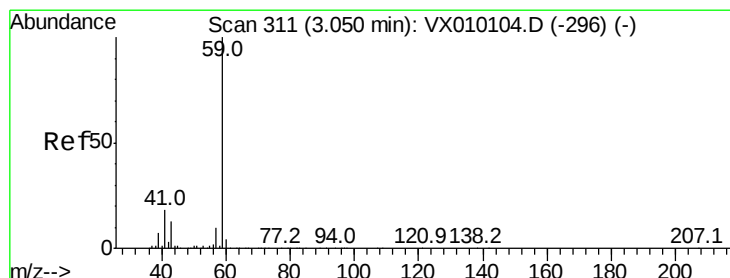
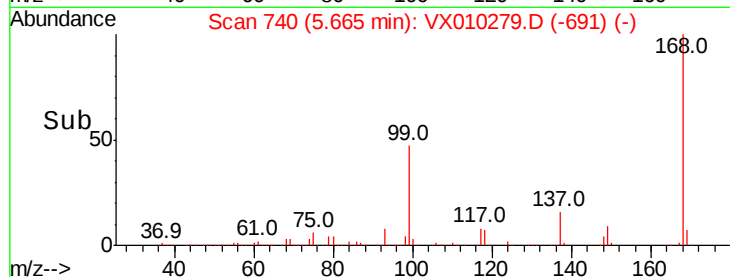
5.67

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 13.330 ug/l

RT: 3.04 min Scan# 309

Delta R.T. -0.01 min

Lab File: VX010279.D

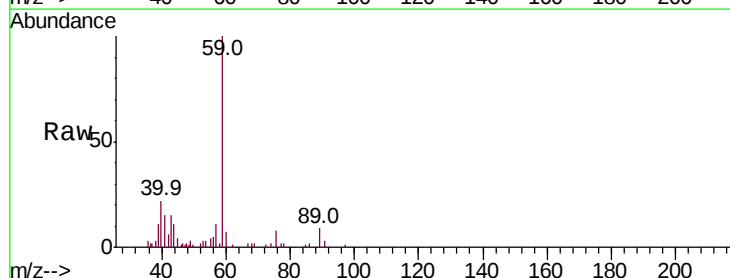
Acq: 13 Jun 2019 17:46

Tgt Ion: 59 Resp: 10892

Ion Ratio Lower Upper

59 100

57 10.5 8.2 12.2



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

5000

4000

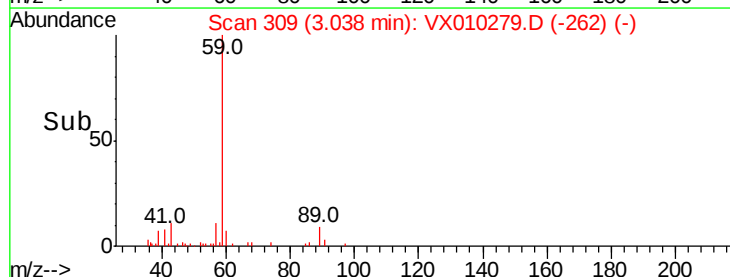
3000

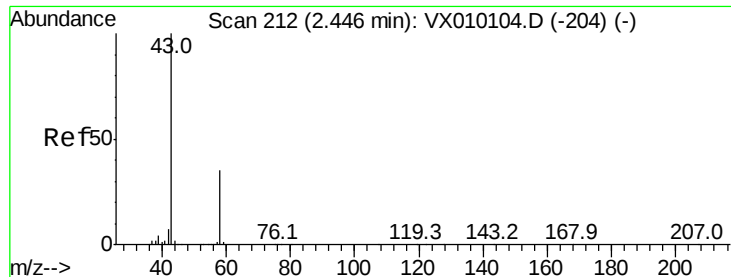
2000

1000

0

Time-->





#16

Acetone

Concen: 3.248 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX010279.D

Acq: 13 Jun 2019 17:46

Instrument :

MSVOA_X

ClientSampled :

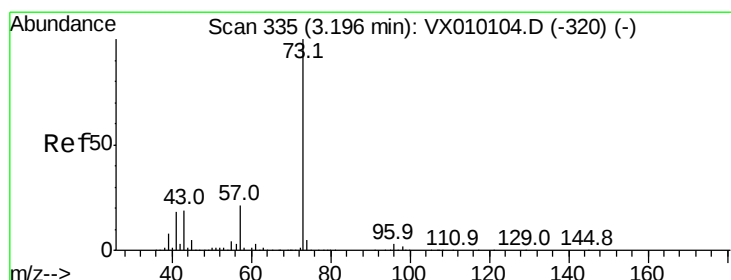
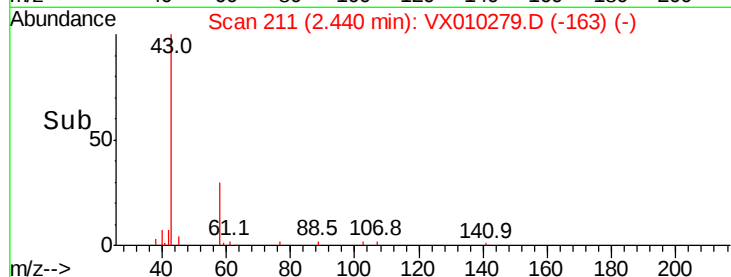
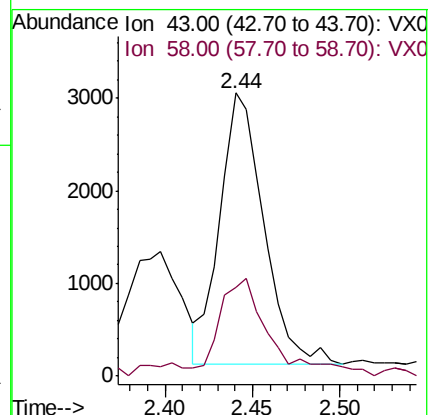
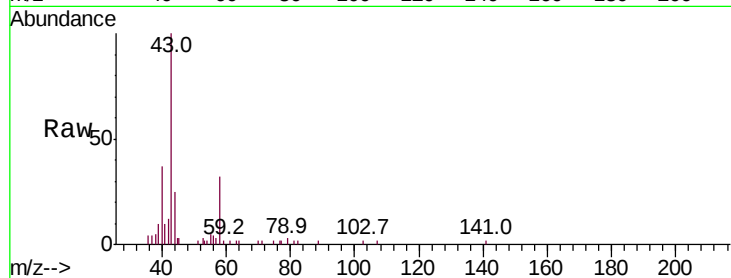
MW-4

Tot Ion: 43 Resp: 5095

Ion Ratio Lower Upper

43 100

58 30.2 23.2 34.8



#19

Methyl tert-butyl Ether

Concen: 1.072 ug/l

RT: 3.20 min Scan# 335

Delta R.T. -0.00 min

Lab File: VX010279.D

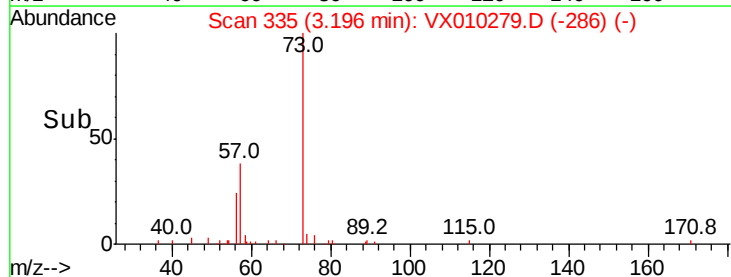
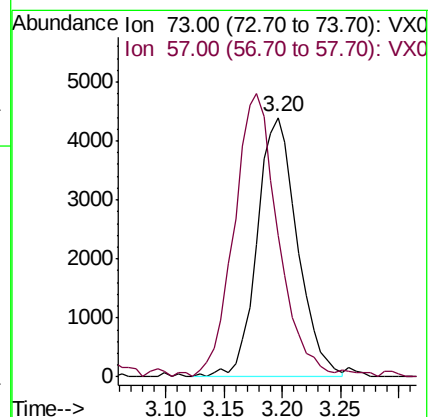
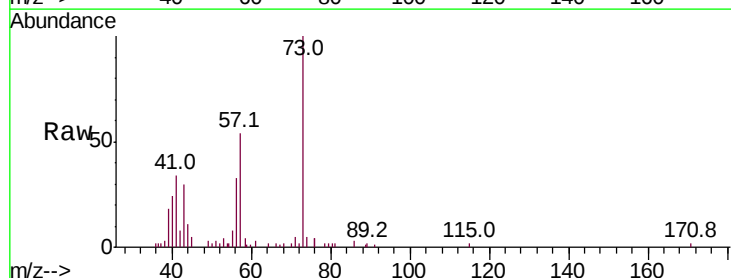
Acq: 13 Jun 2019 17:46

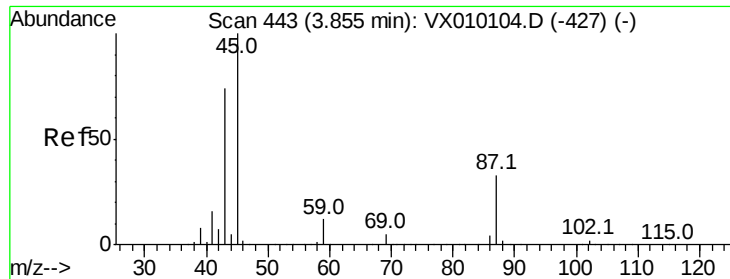
Tgt Ion: 73 Resp: 10575

Ion Ratio Lower Upper

73 100

57 54.5 19.4 29.2#

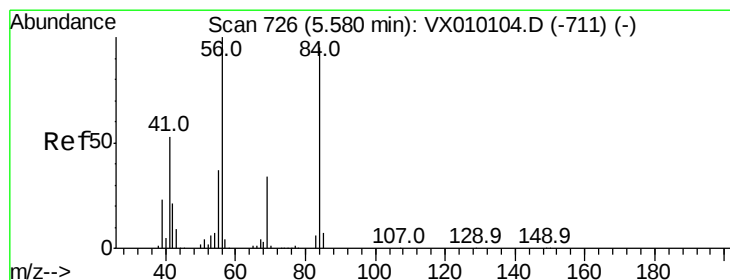
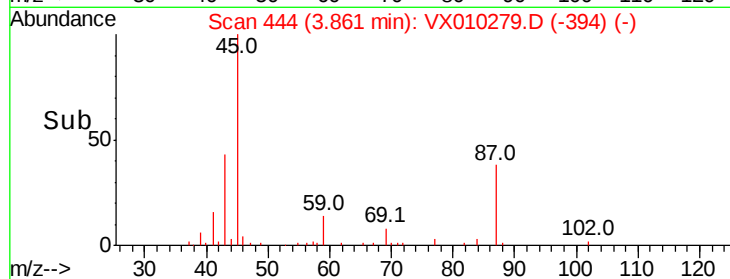
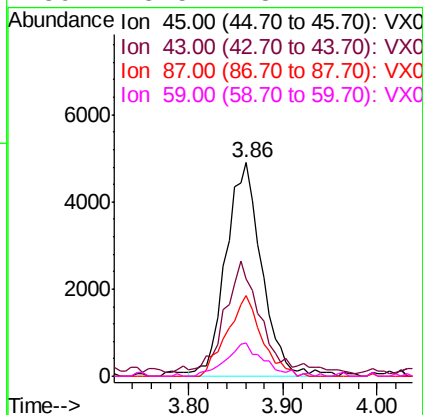
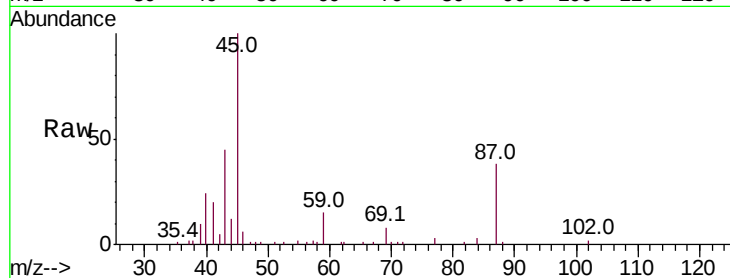




#22
Diisopropyl ether
Concen: 1.461 ug/l
RT: 3.86 min Scan# 444
Delta R.T. 0.01 min
Lab File: VX010279.D
Acq: 13 Jun 2019 17:46

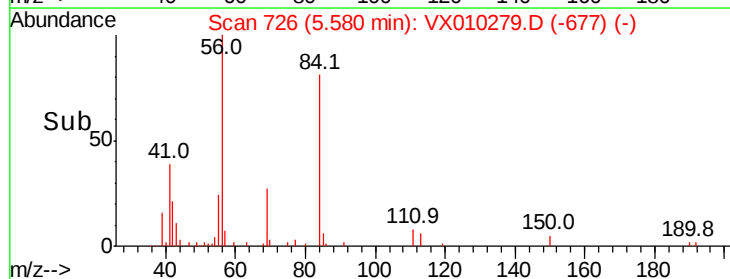
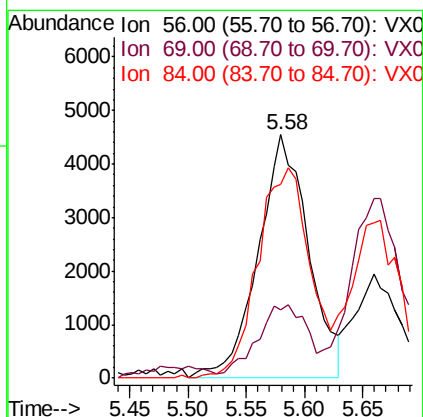
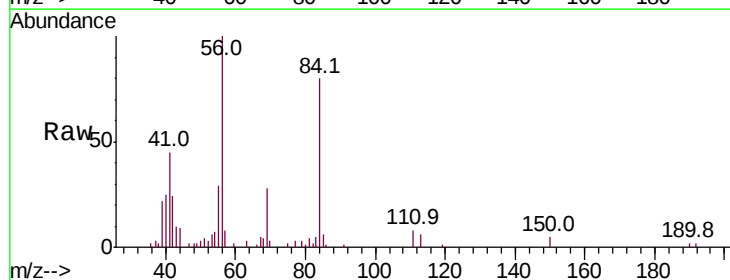
Instrument :
MSVOA_X
ClientSampled :
MW-4

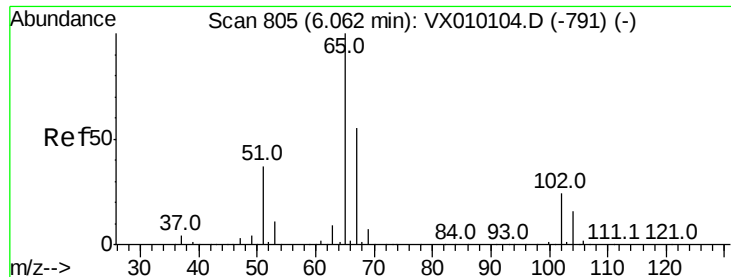
Tot Ion	Ratio	Lower	Upper
45	100		
43	42.2	65.0	97.4#
87	37.9	17.3	25.9#
59	15.5	8.1	12.1#



#31
Cyclohexane
Concen: 2.796 ug/l
RT: 5.58 min Scan# 726
Delta R.T. -0.00 min
Lab File: VX010279.D
Acq: 13 Jun 2019 17:46

Tgt Ion	Ratio	Lower	Upper
56	100		
69	23.0	21.6	32.4
84	79.7	56.8	85.2





#33

1,2-Dichloroethane-d4

Concen: 45.819 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX010279.D

Acq: 13 Jun 2019 17:46

Instrument :

MSVOA_X

ClientSampleId :

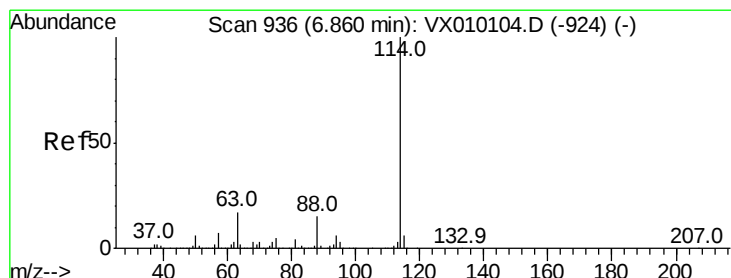
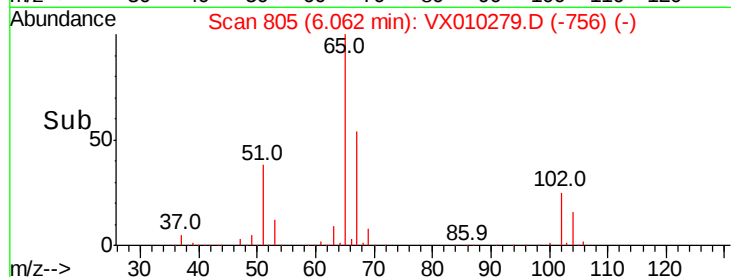
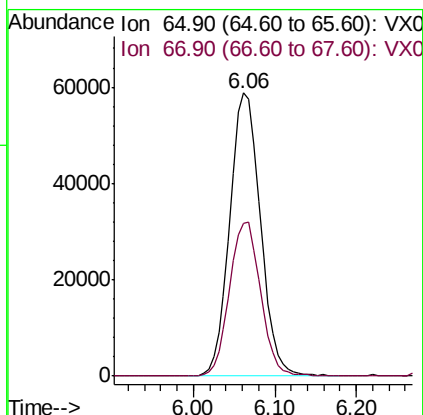
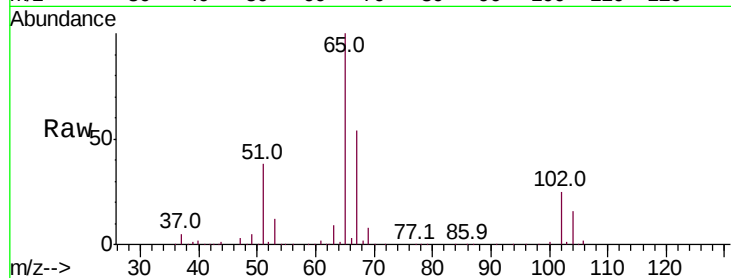
MW-4

Tot Ion: 65 Resp: 152831

Ion Ratio Lower Upper

65 100

67 55.1 0.0 108.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX010279.D

Acq: 13 Jun 2019 17:46

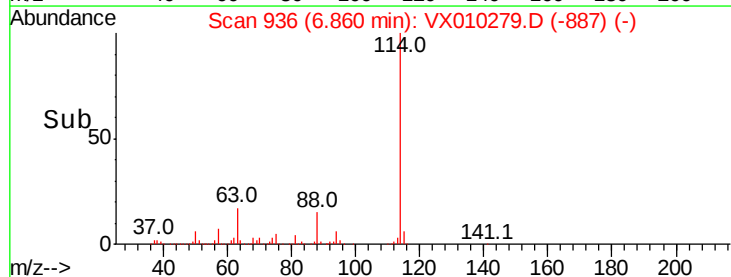
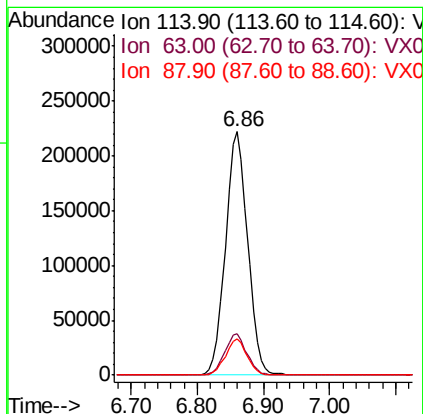
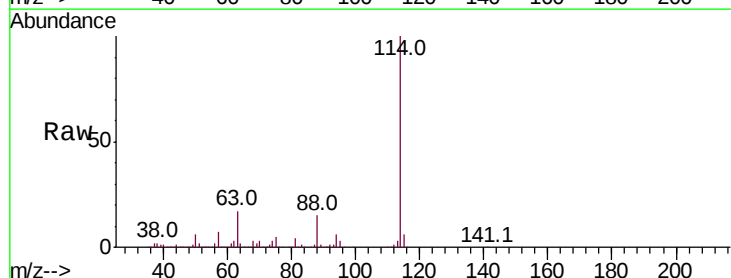
Tgt Ion: 114 Resp: 515620

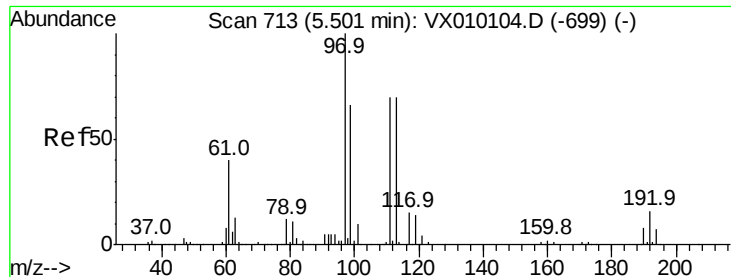
Ion Ratio Lower Upper

114 100

63 16.9 0.0 47.4

88 14.7 0.0 33.0





#35

Dibromofluoromethane

Concen: 48.721 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX010279.D

Acq: 13 Jun 2019 17:46

Instrument :

MSVOA_X

ClientSampleId :

MW-4

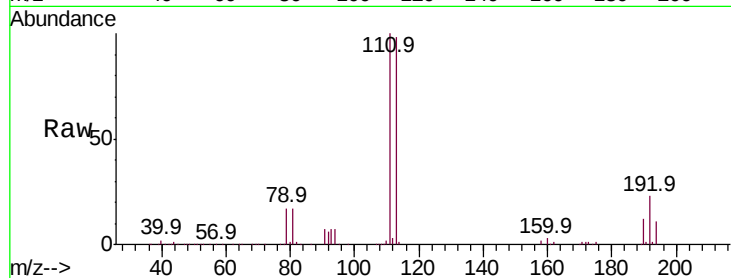
Tot Ion:113 Resp: 154957

Ion Ratio Lower Upper

113 100

111 103.7 82.2 123.2

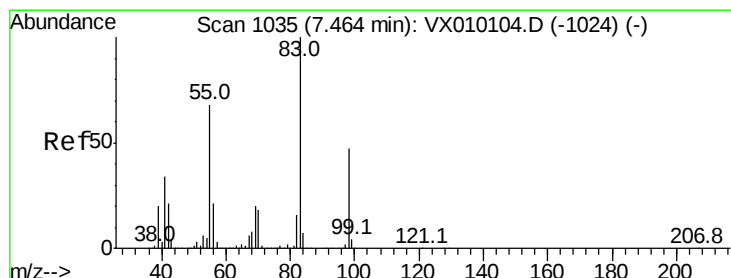
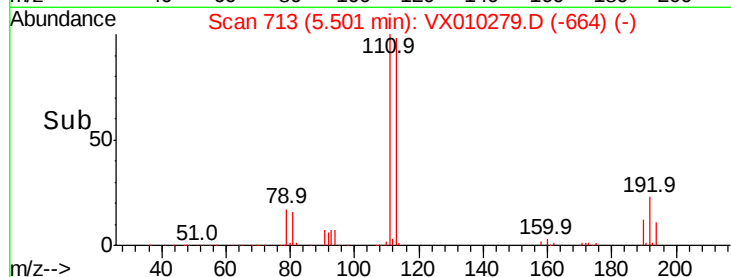
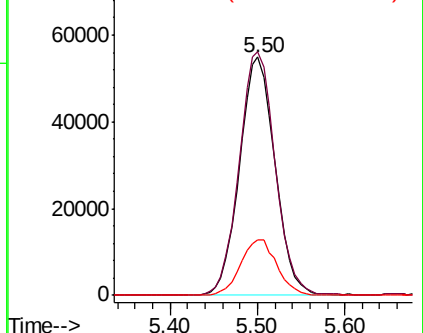
192 23.9 17.1 25.7



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

Methylcyclohexane

Concen: 0.603 ug/l

RT: 7.47 min Scan# 1036

Delta R.T. 0.01 min

Lab File: VX010279.D

Acq: 13 Jun 2019 17:46

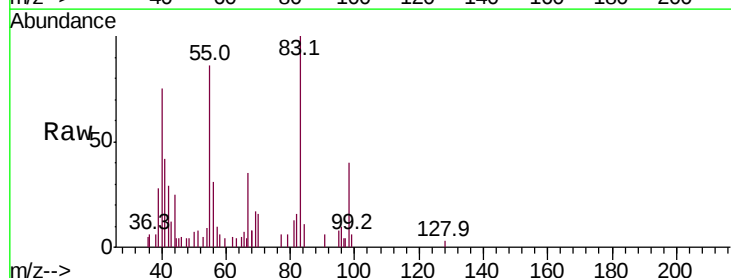
Tgt Ion: 83 Resp: 3452

Ion Ratio Lower Upper

83 100

55 78.0 69.9 104.9

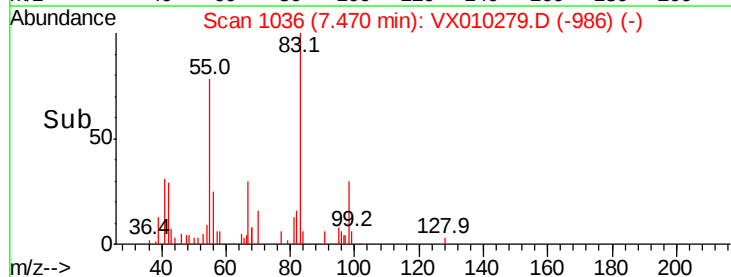
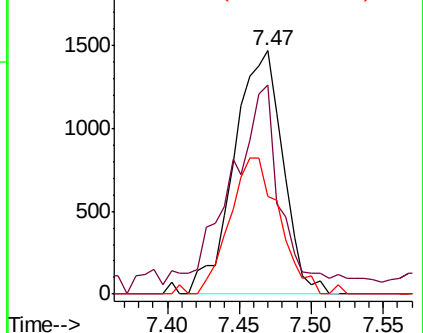
98 40.1 35.1 52.7

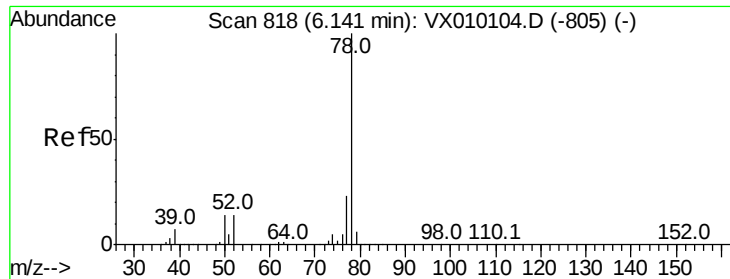


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#40

Benzene

Concen: 18.504 ug/l

RT: 6.15 min Scan# 819

Delta R.T. 0.01 min

Lab File: VX010279.D

Acq: 13 Jun 2019 17:46

Instrument :

MSVOA_X

ClientSampleId :

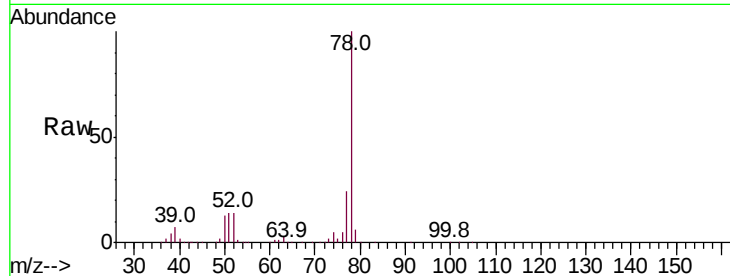
MW-4

Tot Ion: 78 Resp: 240695

Ion Ratio Lower Upper

78 100

77 23.7 19.2 28.8



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

6.15

80000

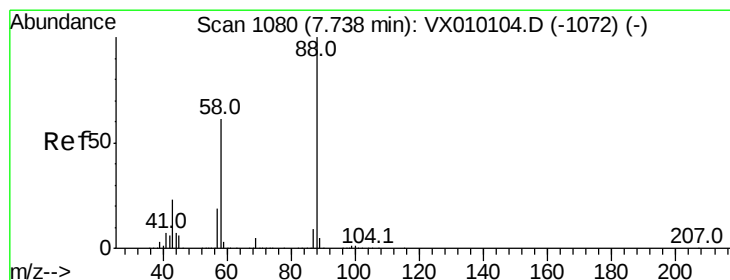
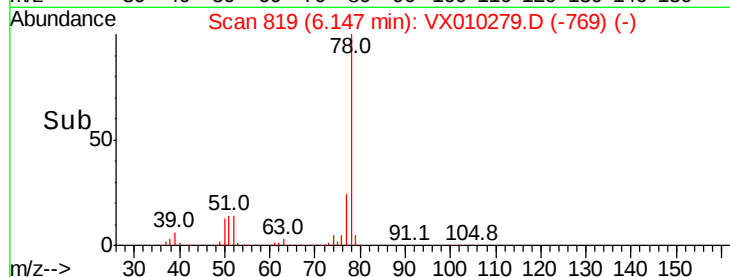
60000

40000

20000

0

Time-->



#49

1,4-Dioxane

Concen: 18.313 ug/l

RT: 7.74 min Scan# 1081

Delta R.T. 0.01 min

Lab File: VX010279.D

Acq: 13 Jun 2019 17:46

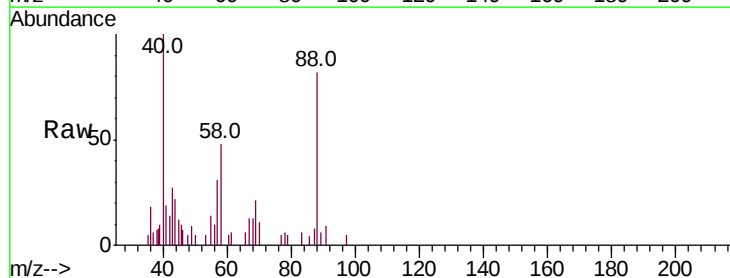
Tgt Ion: 88 Resp: 1787

Ion Ratio Lower Upper

88 100

43 23.6 30.2 45.4#

58 75.9 64.0 96.0



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

1200

1000

800

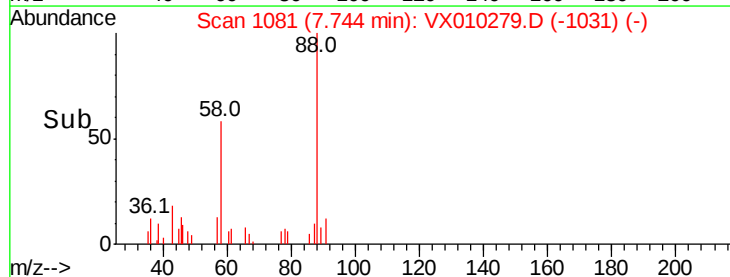
600

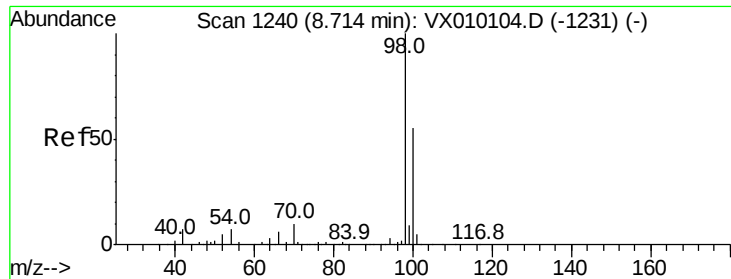
400

200

0

Time-->

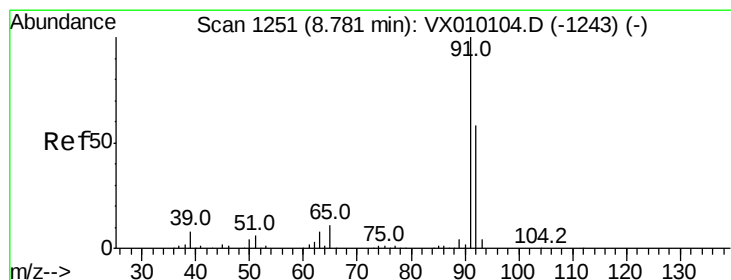
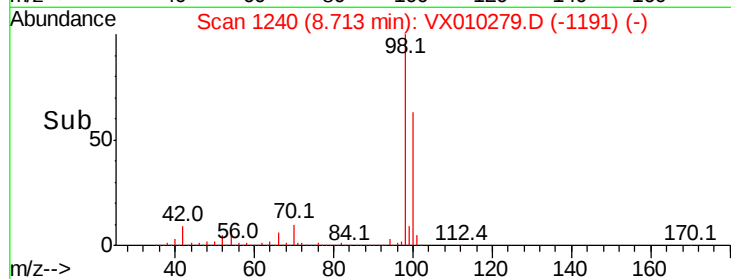
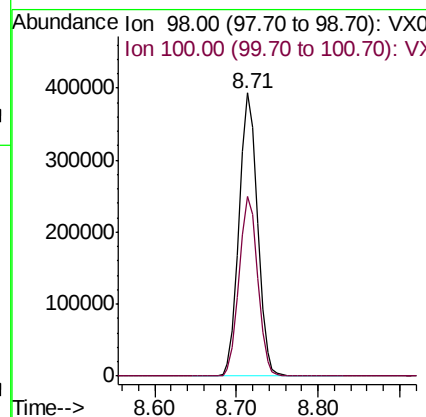
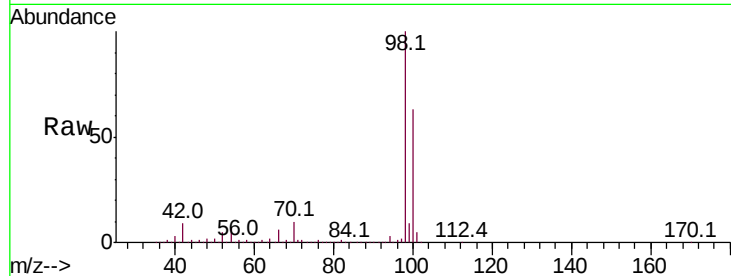




#50
Toluene-d8
Concen: 50.938 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010279.D
Acq: 13 Jun 2019 17:46

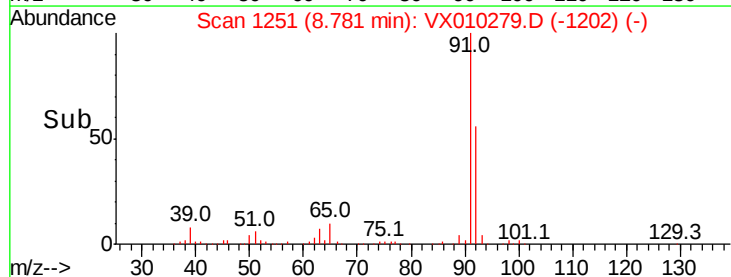
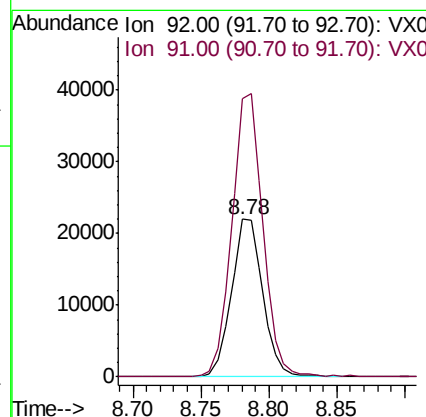
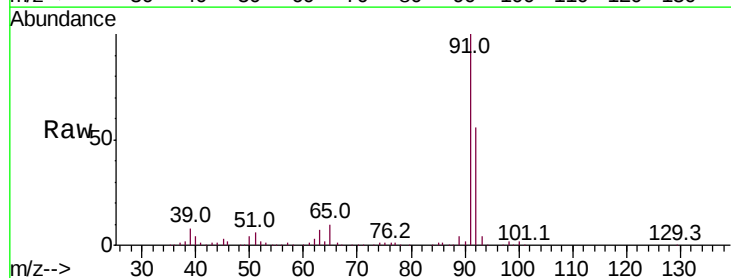
Instrument :
MSVOA_X
ClientSampleId :
MW-4

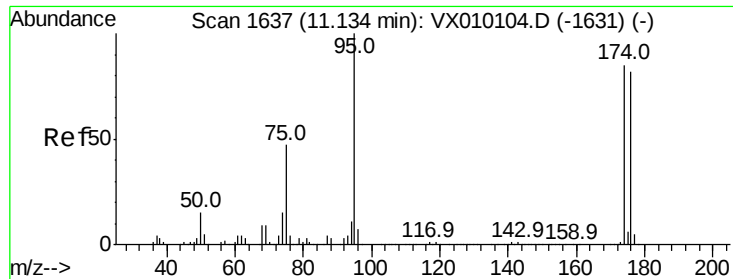
Tot Ion: 98 Resp: 607171
Ion Ratio Lower Upper
98 100
100 63.8 51.5 77.3



#52
Toluene
Concen: 4.119 ug/l
RT: 8.78 min Scan# 1251
Delta R.T. -0.00 min
Lab File: VX010279.D
Acq: 13 Jun 2019 17:46

Tgt Ion: 92 Resp: 35218
Ion Ratio Lower Upper
92 100
91 178.3 139.9 209.9





#62

4-Bromofluorobenzene

Concen: 46.245 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010279.D

Acq: 13 Jun 2019 17:46

Instrument :

MSVOA_X

ClientSampled :

MW-4

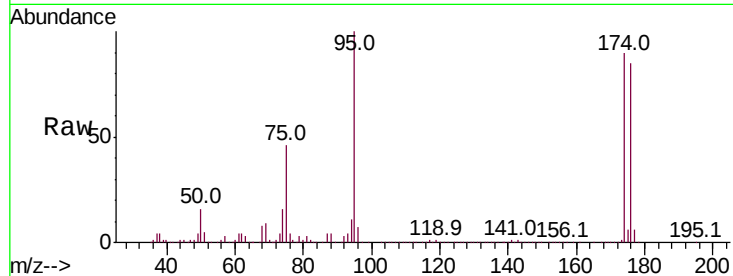
Tot Ion: 95 Resp: 205863

Ion Ratio Lower Upper

95 100

174 95.0 0.0 160.4

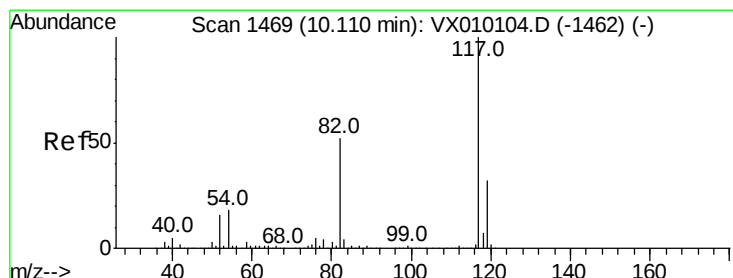
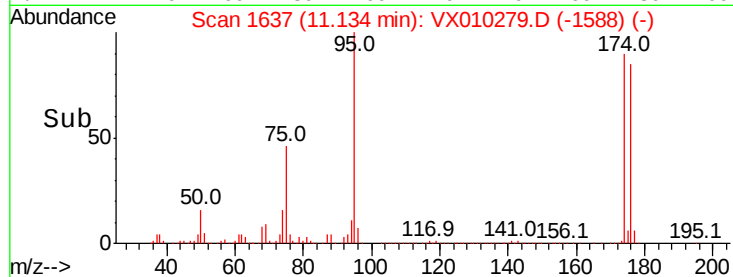
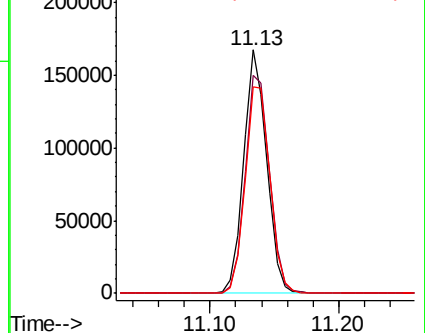
176 91.2 0.0 154.6



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: VX010279.D

Acq: 13 Jun 2019 17:46

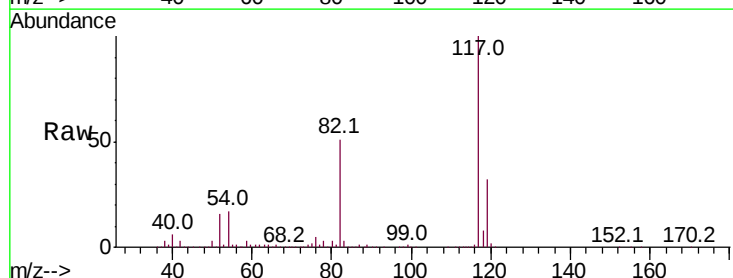
Tgt Ion: 117 Resp: 460219

Ion Ratio Lower Upper

117 100

82 50.9 49.2 73.8

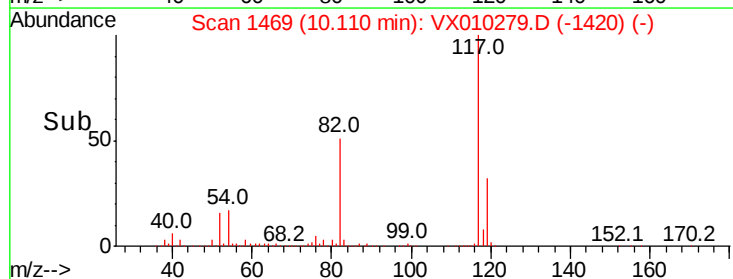
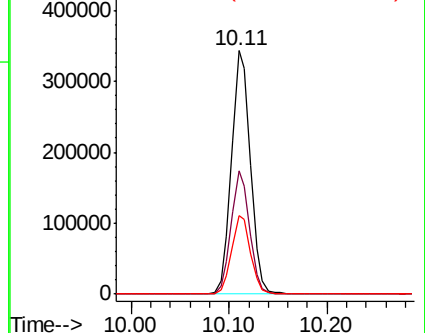
119 32.2 25.2 37.8

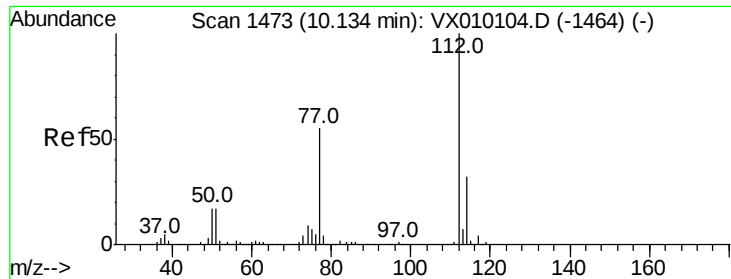


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V

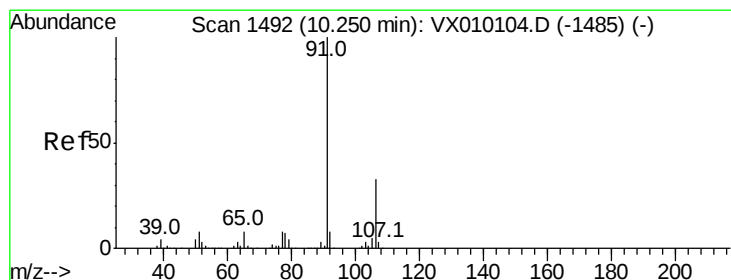
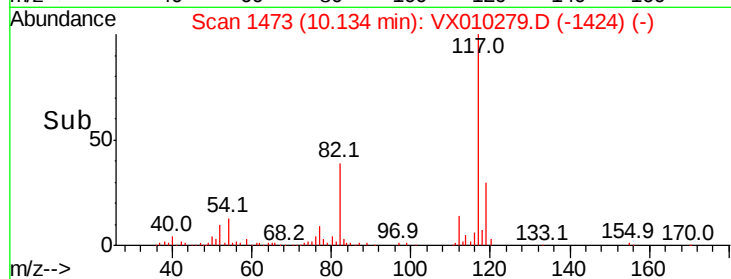
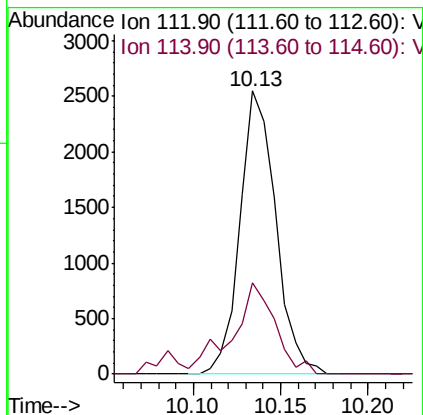
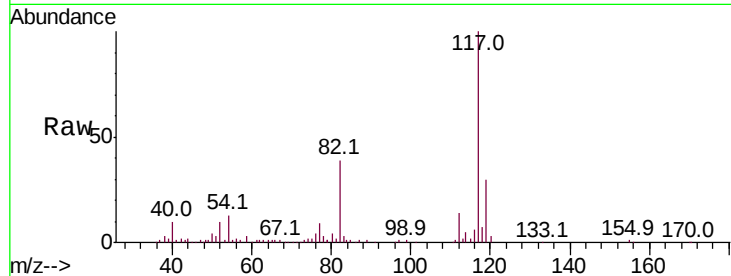




#65
Chlorobenzene
Concen: 0.382 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. -0.00 min
Lab File: VX010279.D
Acq: 13 Jun 2019 17:46

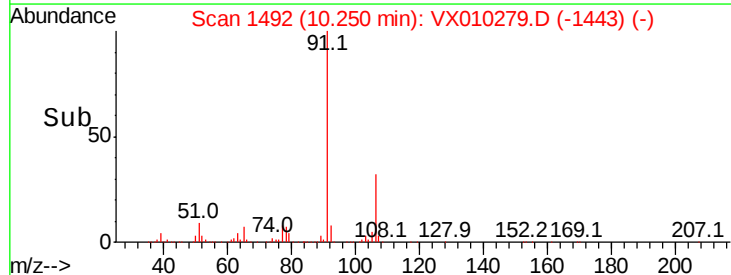
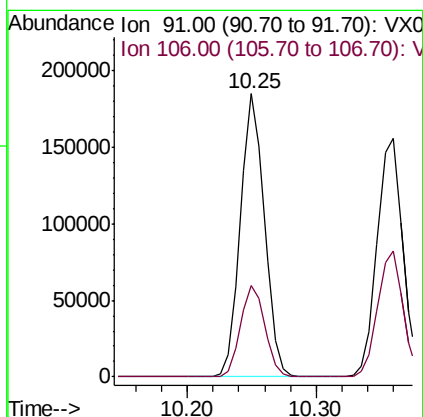
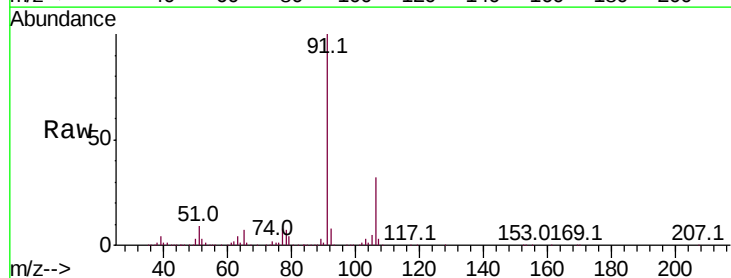
Instrument :
MSVOA_X
ClientSampleId :
MW-4

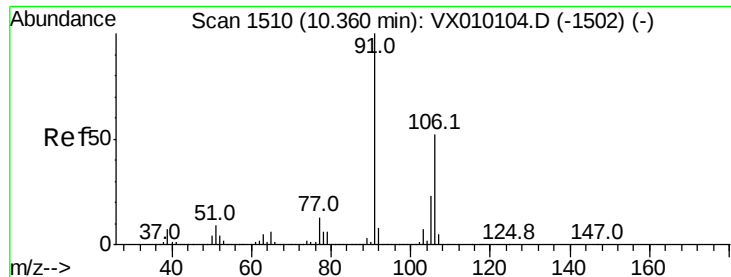
Tot Ion:112 Resp: 3627
Ion Ratio Lower Upper
112 100
114 32.5 25.8 38.8



#67
Ethyl Benzene
Concen: 14.852 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX010279.D
Acq: 13 Jun 2019 17:46

Tgt Ion: 91 Resp: 240152
Ion Ratio Lower Upper
91 100
106 32.3 23.9 35.9

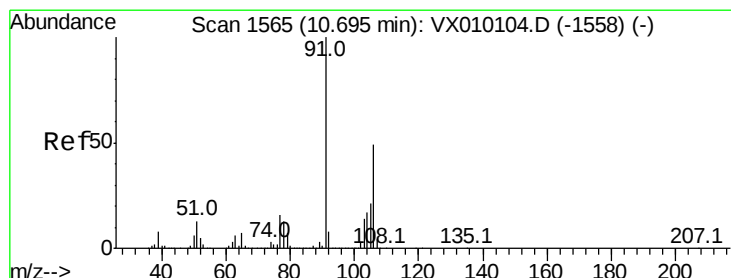
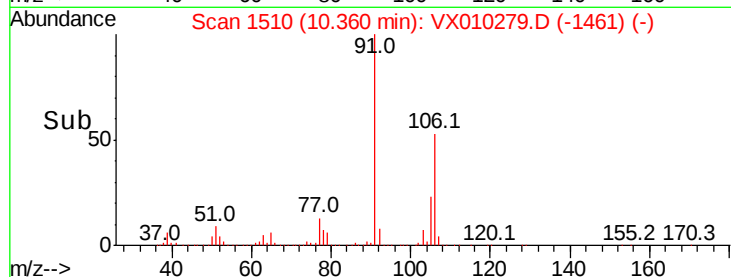
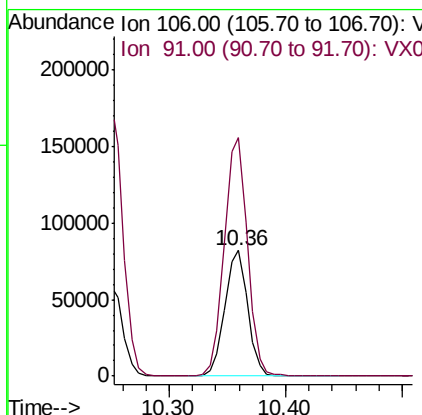
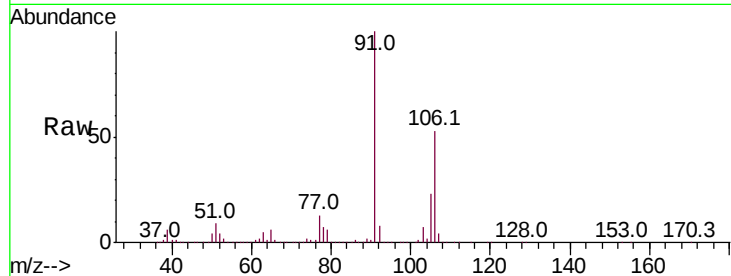




#68
m/p-Xylenes
Concen: 17.818 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX010279.D
Acq: 13 Jun 2019 17:46

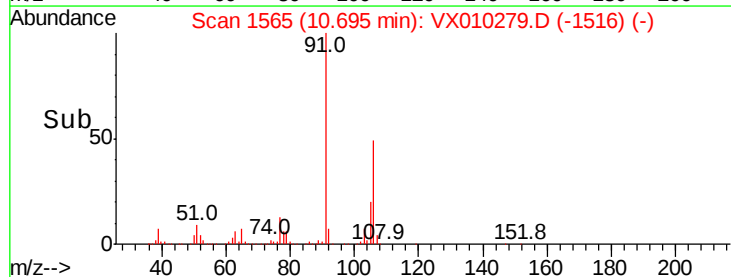
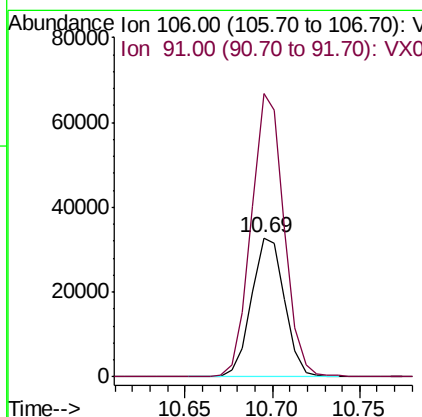
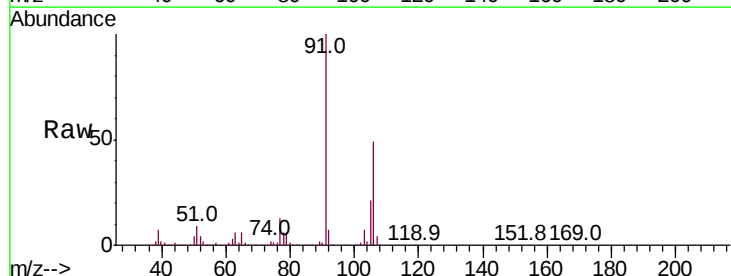
Instrument :
MSVOA_X
ClientSampled :
MW-4

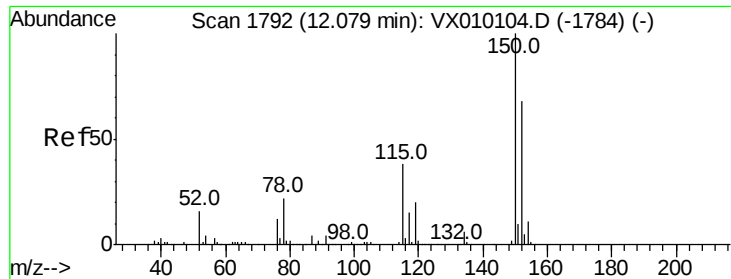
Tot Ion:106 Resp: 111490
Ion Ratio Lower Upper
106 100
91 192.5 167.3 250.9



#69
o-Xylene
Concen: 6.993 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX010279.D
Acq: 13 Jun 2019 17:46

Tgt Ion:106 Resp: 43494
Ion Ratio Lower Upper
106 100
91 200.8 110.4 331.2



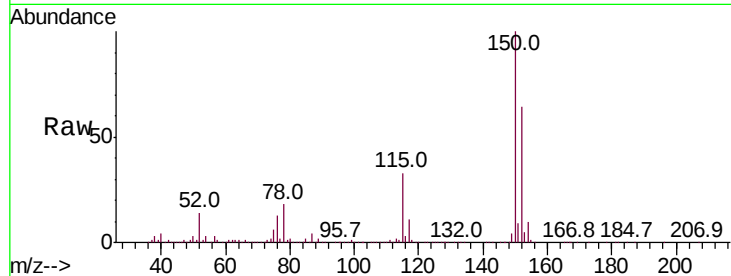


#72

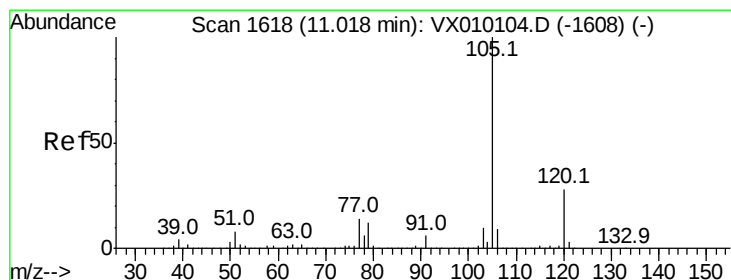
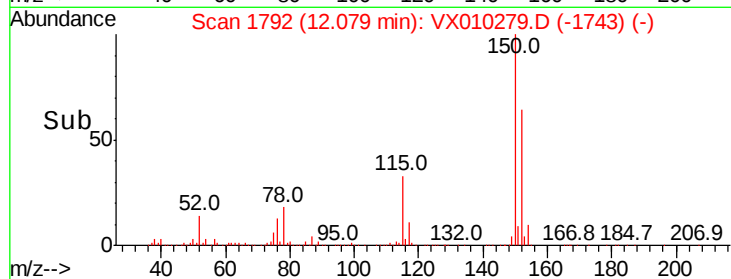
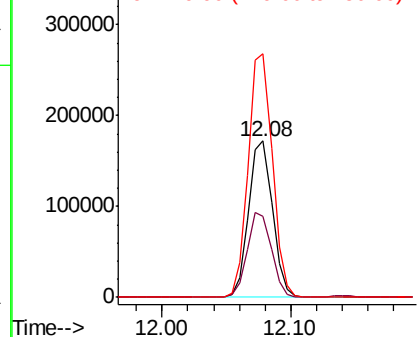
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX010279.D
Acq: 13 Jun 2019 17:46

Instrument :
MSVOA_X
ClientSampleId :
MW-4

Tot Ion	Ratio	Lower	Upper
152	100		
115	54.4	41.4	124.2
150	157.7	0.0	345.2



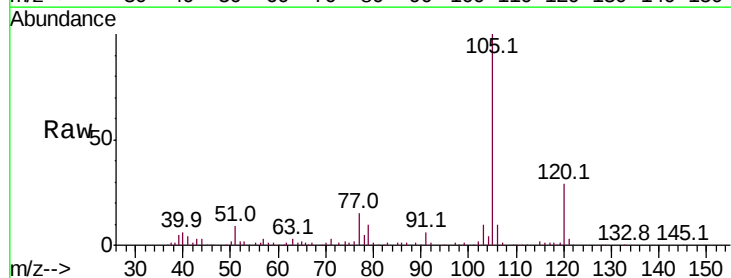
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



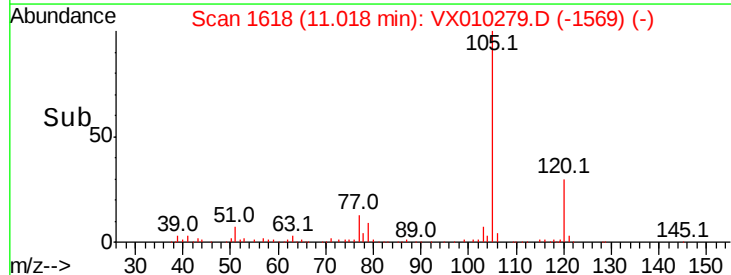
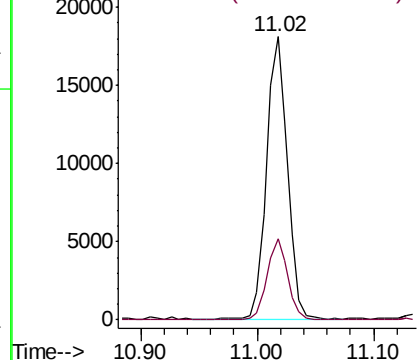
#73

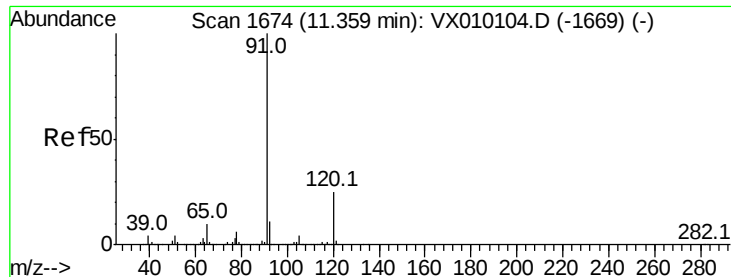
Isopropylbenzene
Concen: 1.496 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX010279.D
Acq: 13 Jun 2019 17:46

Tgt Ion	Ratio	Lower	Upper
105	100		
120	28.1	12.8	38.4



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 1.191 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX010279.D

Acq: 13 Jun 2019 17:46

Instrument :

MSVOA_X

ClientSampleId :

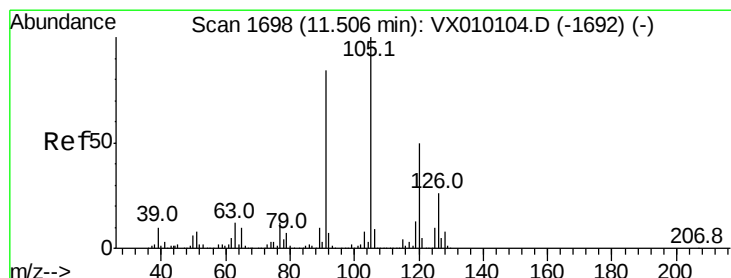
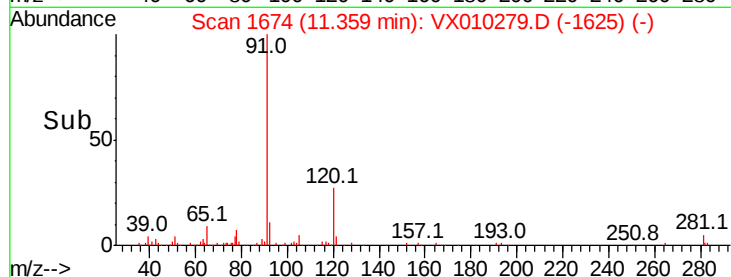
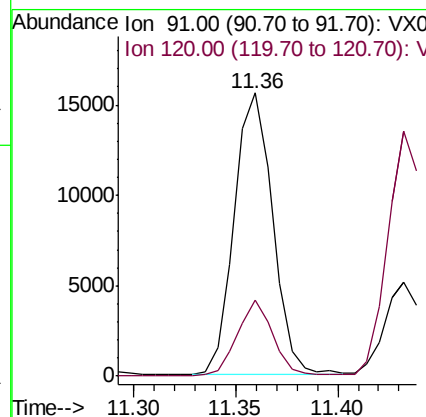
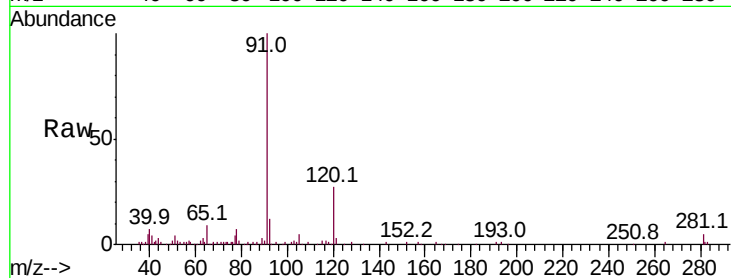
MW-4

Tot Ion: 91 Resp: 20313

Ion Ratio Lower Upper

91 100

120 25.3 11.1 33.3



#80

1,3,5-Trimethylbenzene

Concen: 2.529 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX010279.D

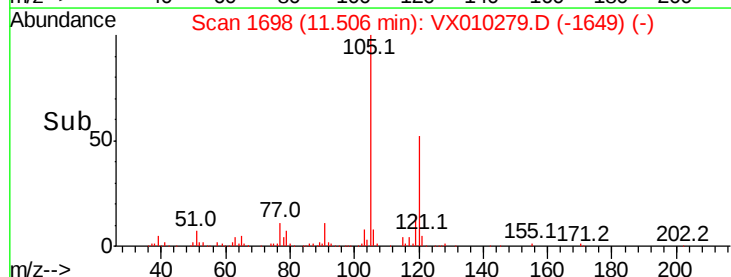
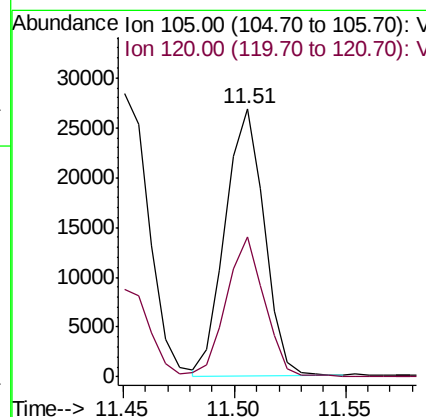
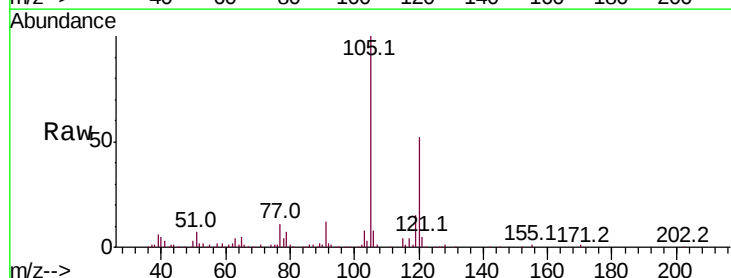
Acq: 13 Jun 2019 17:46

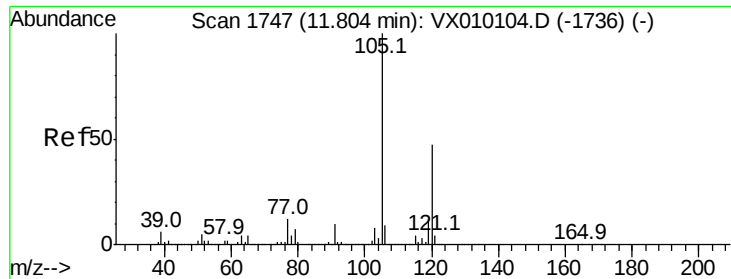
Tgt Ion:105 Resp: 32644

Ion Ratio Lower Upper

105 100

120 51.0 24.1 72.3

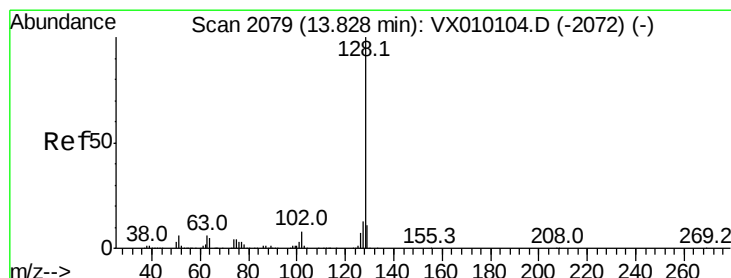
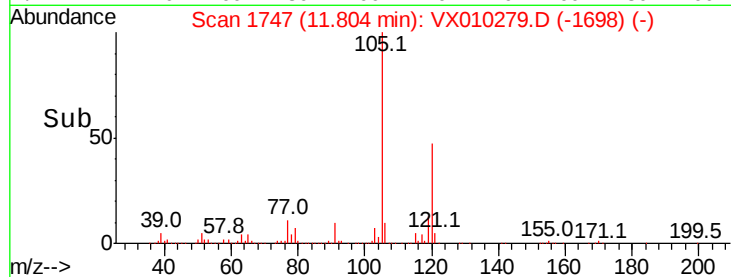
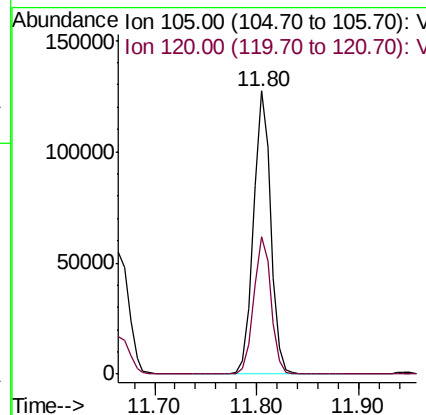
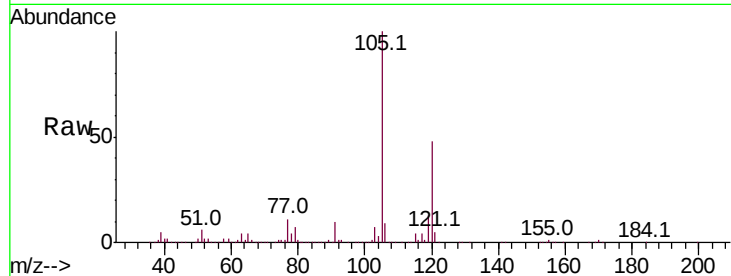




#84
 1,2,4-Trimethylbenzene
 Concen: 11.503 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.00 min
 Lab File: VX010279.D
 Acq: 13 Jun 2019 17:46

Instrument :
 MSVOA_X
 ClientSampled :
 MW-4

Tot Ion:105 Resp: 149971
 Ion Ratio Lower Upper
 105 100
 120 48.4 22.1 66.1



#95
 Naphthalene
 Concen: 4.247 ug/l
 RT: 13.83 min Scan# 2080
 Delta R.T. 0.01 min
 Lab File: VX010279.D
 Acq: 13 Jun 2019 17:46

Tgt Ion:128 Resp: 70624
 Ion Ratio Lower Upper
 128 100
 127 13.3 10.6 16.0
 129 11.9 8.8 13.2

