

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072619\
 Data File : VX011113.D
 Acq On : 27 Jul 2019 01:09
 Operator : JC/SP
 Sample : K4014-03DL 250X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-3DL

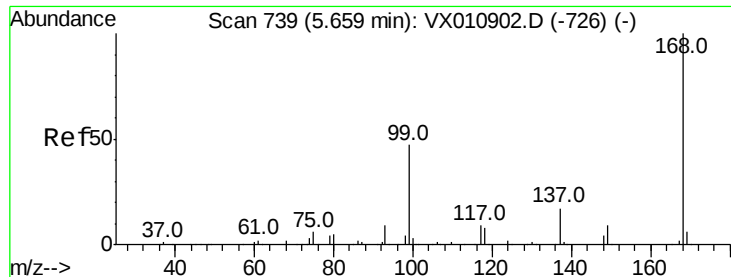
Quant Time: Jul 27 04:33:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 24 05:39:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	202397	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	320740	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	301637	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	144185	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	109566	50.89	ug/l	0.00
Spiked Amount			Recovery	=	101.78%	
35) Dibromofluoromethane	5.49	113	100914	49.57	ug/l	0.00
Spiked Amount			Recovery	=	99.14%	
50) Toluene-d8	8.71	98	390823	51.18	ug/l	0.00
Spiked Amount			Recovery	=	102.36%	
62) 4-Bromofluorobenzene	11.13	95	140010	49.89	ug/l	0.00
Spiked Amount			Recovery	=	99.78%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Cyclohexane	5.59	56	8390	2.870	ug/l	97
39) Methylcyclohexane	7.47	83	3496	1.023	ug/l	95
40) Benzene	6.14	78	235785	29.216	ug/l	99
52) Toluene	8.78	92	256169	48.319	ug/l	99
67) Ethyl Benzene	10.25	91	79688	7.557	ug/l	99
68) m/p-Xylenes	10.35	106	82246	20.332	ug/l	100
69) o-Xylene	10.69	106	33654	8.525	ug/l	96
73) Isopropylbenzene	11.02	105	2469	0.253	ug/l	93
78) n-propylbenzene	11.36	91	5534	0.514	ug/l	96
80) 1,3,5-Trimethylbenzene	11.51	105	6958	0.855	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	21501	2.620	ug/l	96
95) Naphthalene	13.83	128	6144	0.664	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX011113.D

Acq: 27 Jul 2019 01:09

Instrument :

MSVOA_X

ClientSampled :

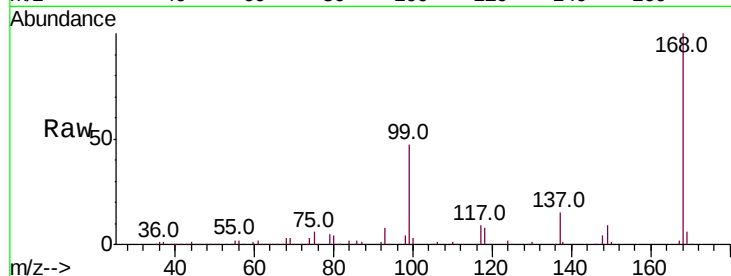
MW-3DL

Tot Ion:168 Resp: 202397

Ion Ratio Lower Upper

168 100

99 46.9 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

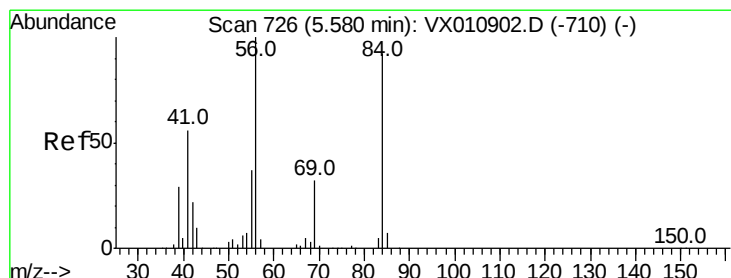
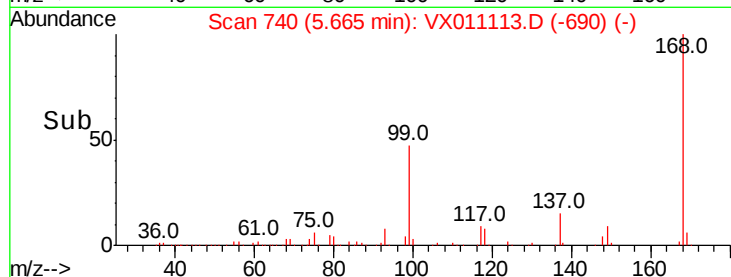
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#31

Cyclohexane

Concen: 2.870 ug/l

RT: 5.59 min Scan# 727

Delta R.T. 0.01 min

Lab File: VX011113.D

Acq: 27 Jul 2019 01:09

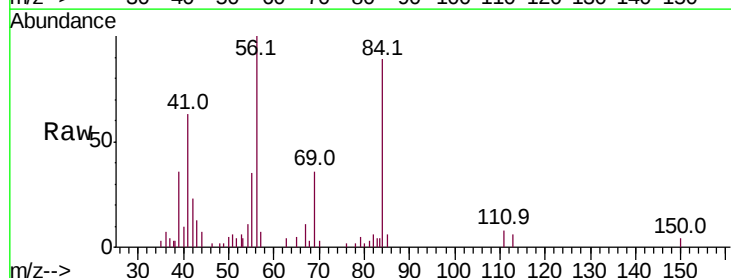
Tgt Ion: 56 Resp: 8390

Ion Ratio Lower Upper

56 100

69 34.5 25.8 38.8

84 89.5 73.8 110.6



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

4000

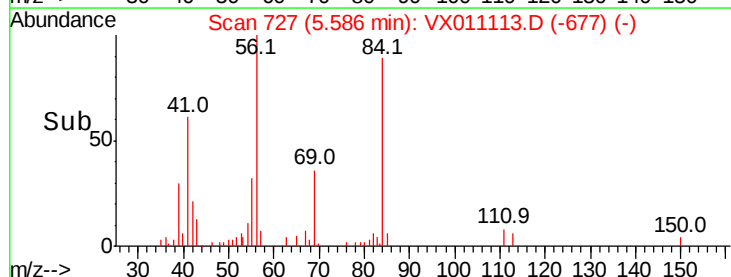
3000

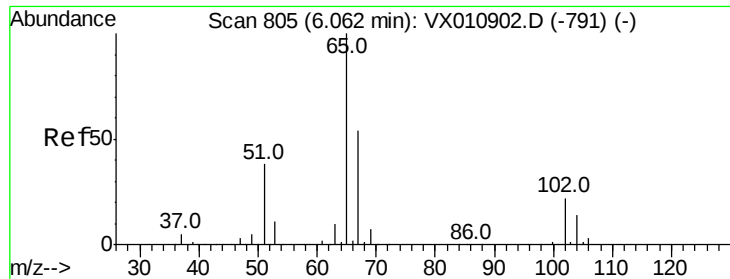
2000

1000

0

Time--> 5.45 5.50 5.55 5.60 5.65





#33

1,2-Dichloroethane-d4

Concen: 50.885 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX011113.D

Acq: 27 Jul 2019 01:09

Instrument :

MSVOA_X

ClientSampleId :

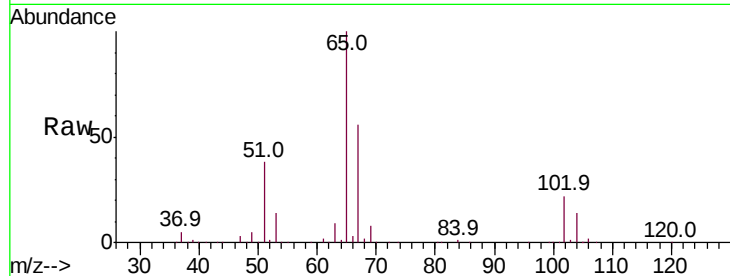
MW-3DL

Tot Ion: 65 Resp: 109566

Ion Ratio Lower Upper

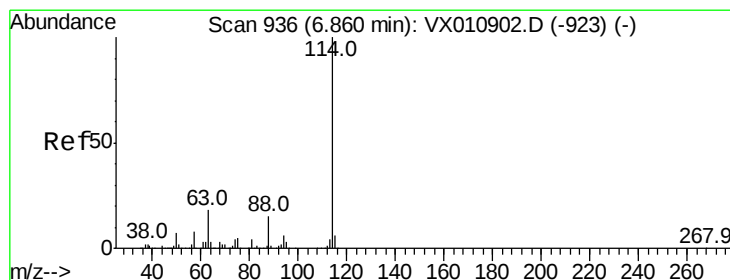
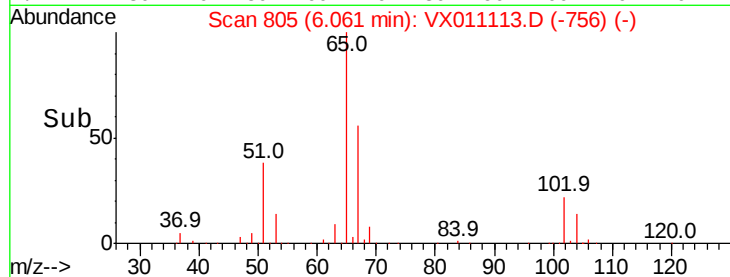
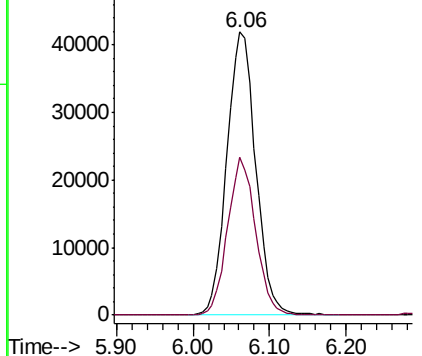
65 100

67 53.9 0.0 107.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX011113.D

Acq: 27 Jul 2019 01:09

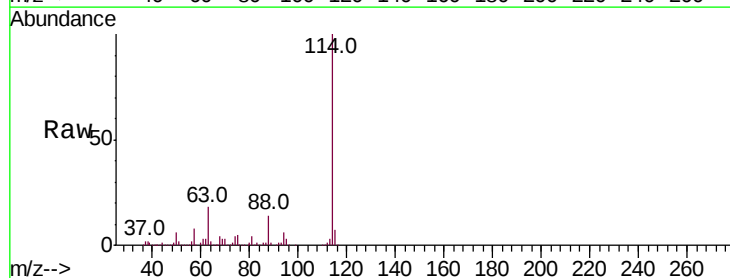
Tgt Ion: 114 Resp: 320740

Ion Ratio Lower Upper

114 100

63 17.7 0.0 35.6

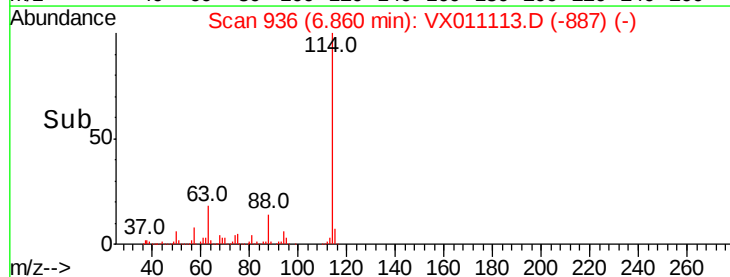
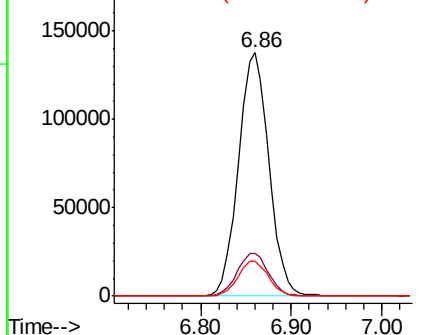
88 14.4 0.0 29.8

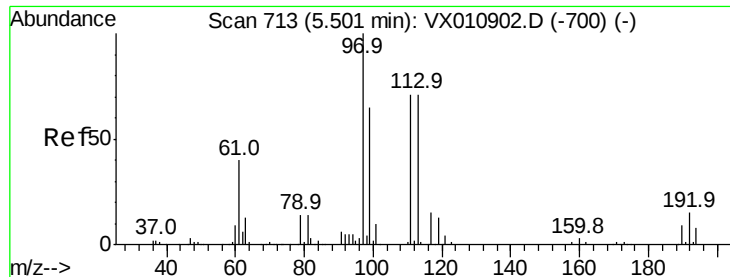


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 49.570 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.01 min

Lab File: VX011113.D

Acq: 27 Jul 2019 01:09

Instrument :

MSVOA_X

ClientSampleId :

MW-3DL

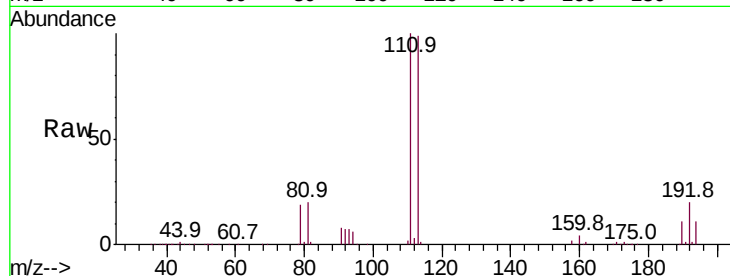
Tot Ion:113 Resp: 100914

Ion Ratio Lower Upper

113 100

111 102.0 82.3 123.5

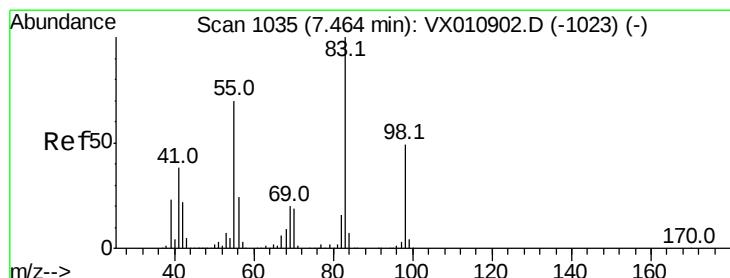
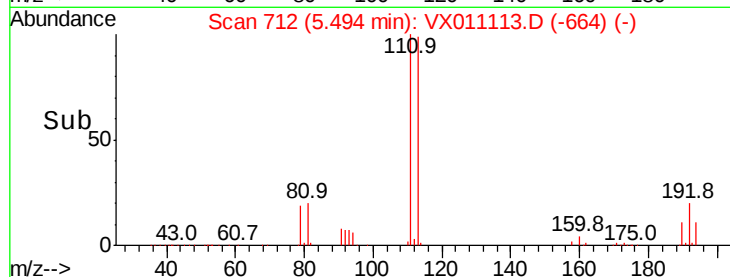
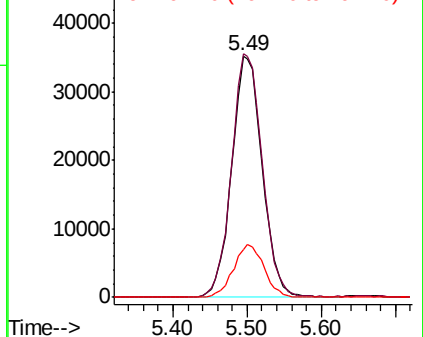
192 22.0 17.4 26.2



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: 1.023 ug/l

RT: 7.47 min Scan# 1036

Delta R.T. 0.01 min

Lab File: VX011113.D

Acq: 27 Jul 2019 01:09

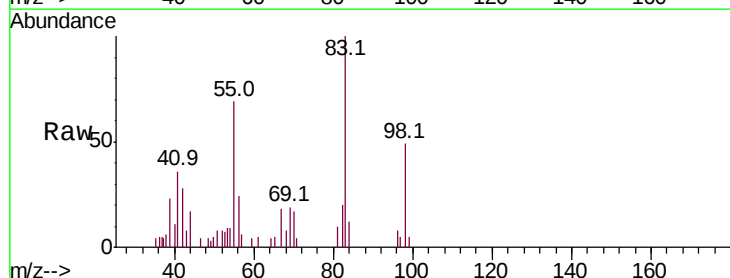
Tgt Ion: 83 Resp: 3496

Ion Ratio Lower Upper

83 100

55 64.1 56.2 84.4

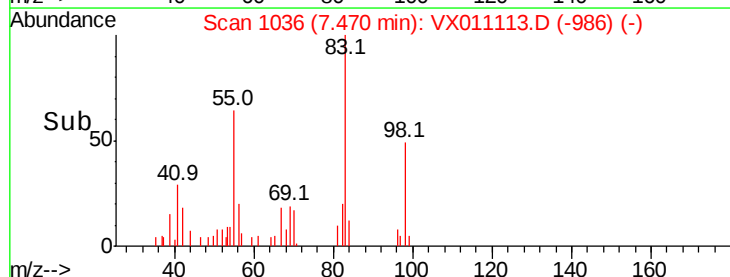
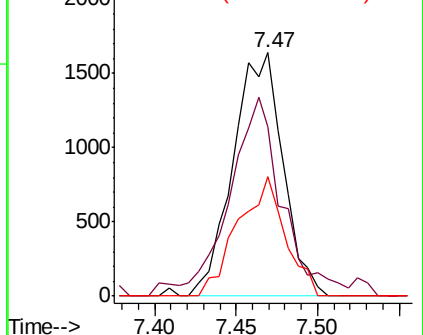
98 49.3 39.0 58.4

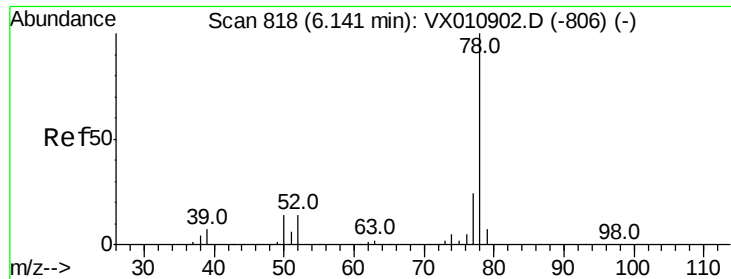


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#40

Benzene

Concen: 29.216 ug/l

RT: 6.14 min Scan# 818

Delta R.T. -0.00 min

Lab File: VX011113.D

Acq: 27 Jul 2019 01:09

Instrument :

MSVOA_X

ClientSampleId :

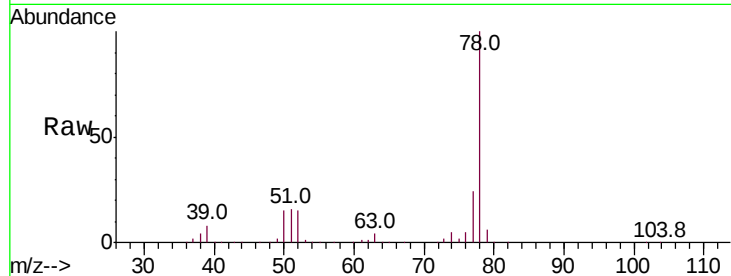
MW-3DL

Tot Ion: 78 Resp: 235785

Ion Ratio Lower Upper

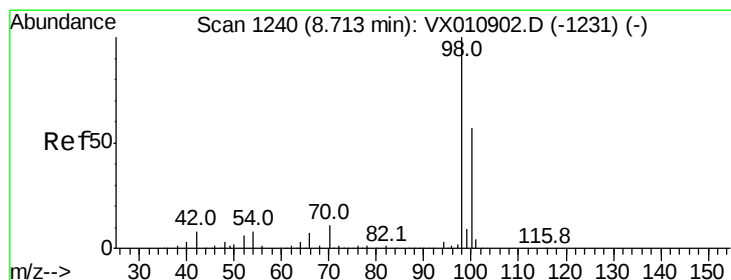
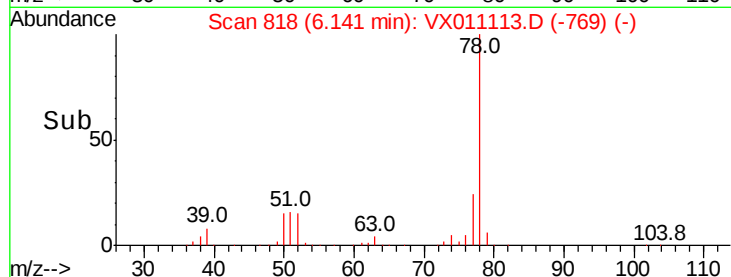
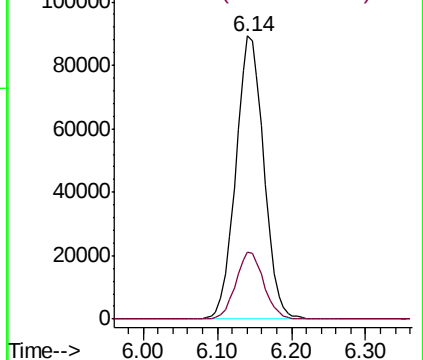
78 100

77 23.5 19.0 28.6



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



#50

Toluene-d8

Concen: 51.185 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX011113.D

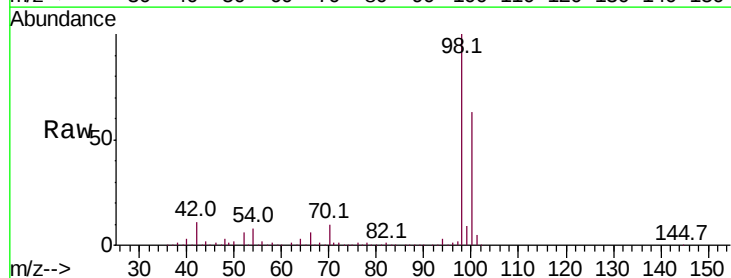
Acq: 27 Jul 2019 01:09

Tgt Ion: 98 Resp: 390823

Ion Ratio Lower Upper

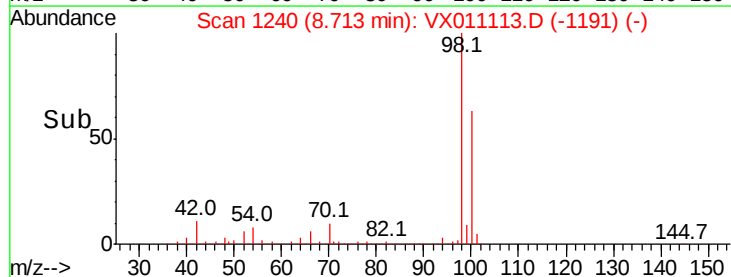
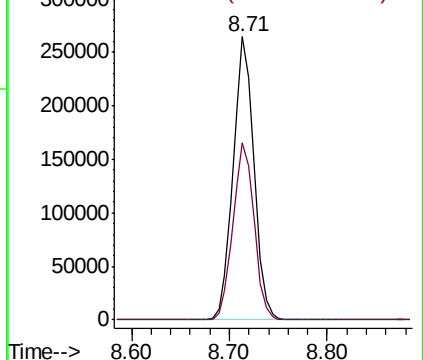
98 100

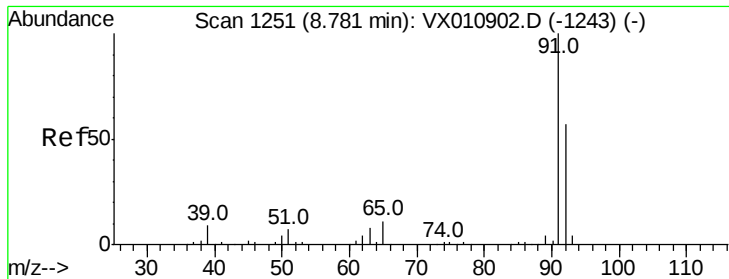
100 63.6 50.6 75.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#52

Toluene

Concen: 48.319 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VX011113.D

Acq: 27 Jul 2019 01:09

Instrument :

MSVOA_X

ClientSampleId :

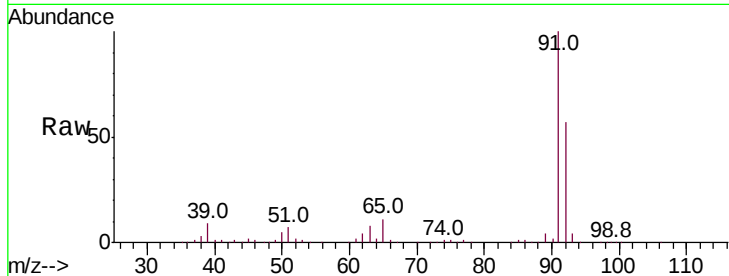
MW-3DL

Tot Ion: 92 Resp: 256169

Ion Ratio Lower Upper

92 100

91 176.0 139.4 209.0



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

300000

200000

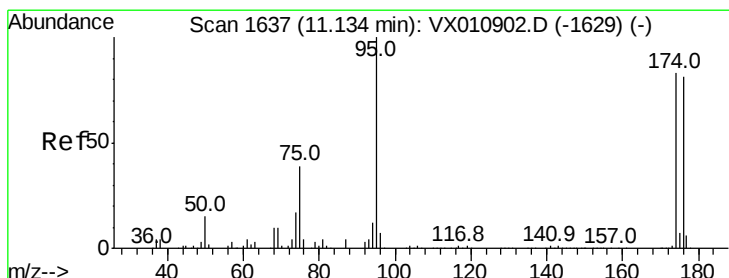
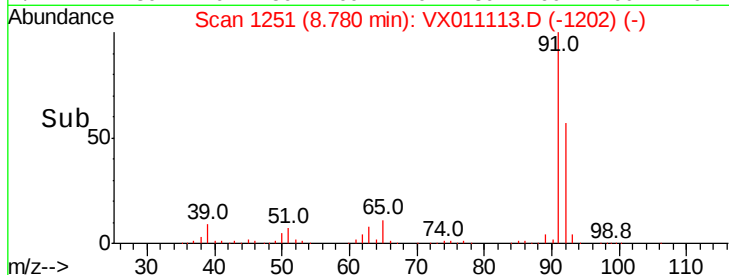
100000

0

8.78

8.70 8.80 8.90

Time-->



#62

4-Bromofluorobenzene

Concen: 49.886 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX011113.D

Acq: 27 Jul 2019 01:09

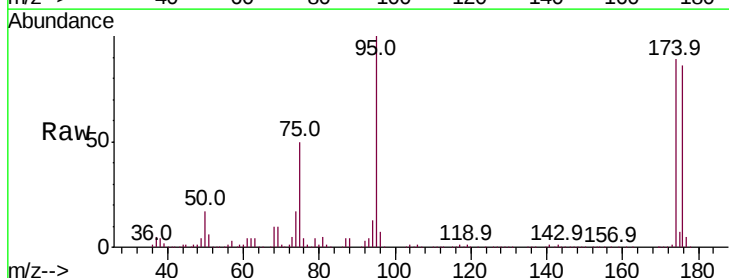
Tgt Ion: 95 Resp: 140010

Ion Ratio Lower Upper

95 100

174 91.6 0.0 180.6

176 87.6 0.0 173.8



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

150000

100000

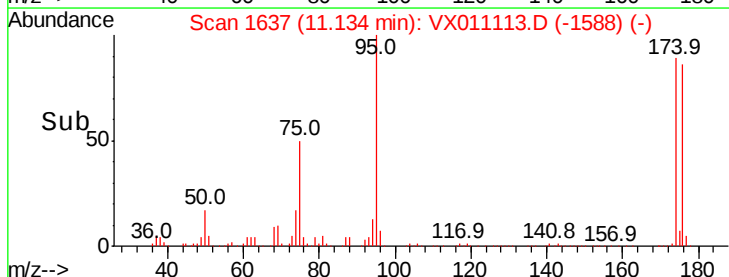
50000

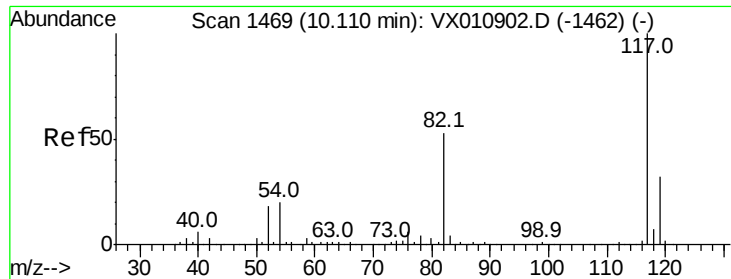
0

11.13

11.10 11.20

Time-->

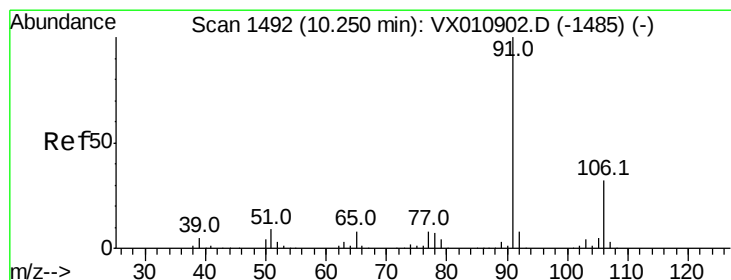
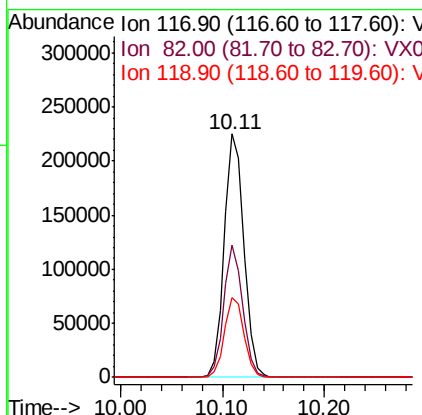
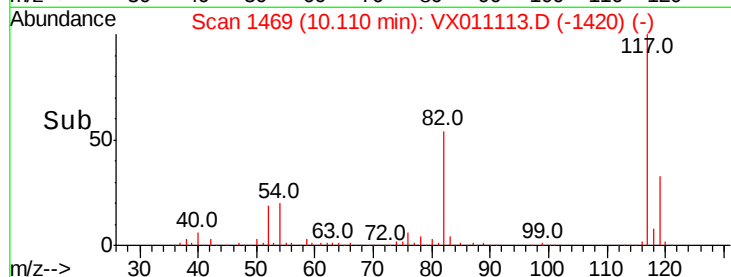
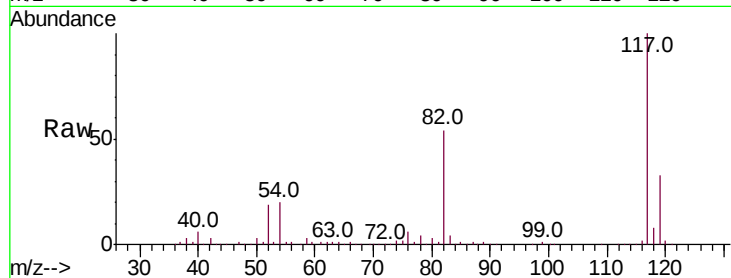




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX011113.D
Acq: 27 Jul 2019 01:09

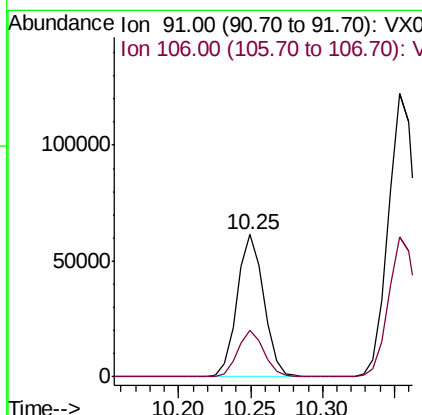
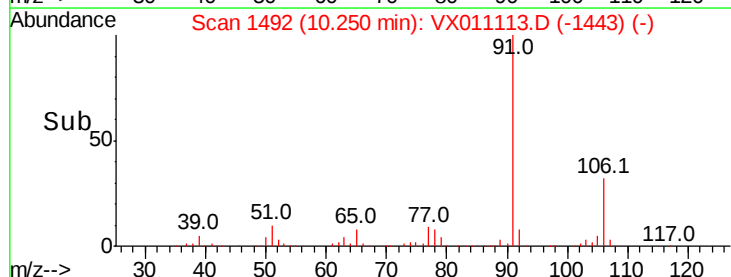
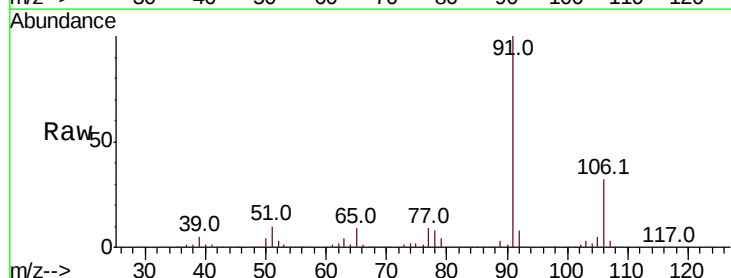
Instrument :
MSVOA_X
ClientSampleId :
MW-3DL

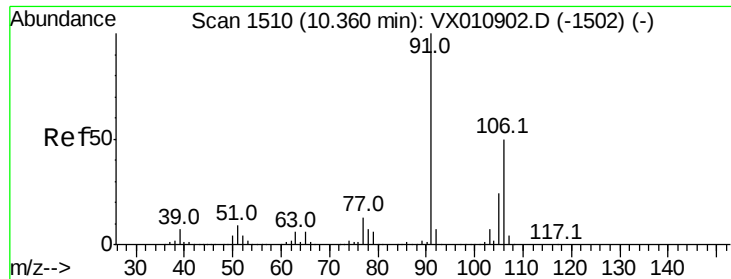
Tot Ion:117 Resp: 301637
Ion Ratio Lower Upper
117 100
82 54.1 42.6 63.8
119 32.6 25.9 38.9



#67
Ethyl Benzene
Concen: 7.557 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX011113.D
Acq: 27 Jul 2019 01:09

Tgt Ion: 91 Resp: 79688
Ion Ratio Lower Upper
91 100
106 32.4 25.4 38.2

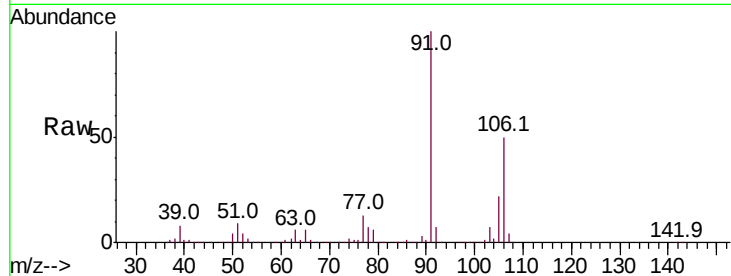




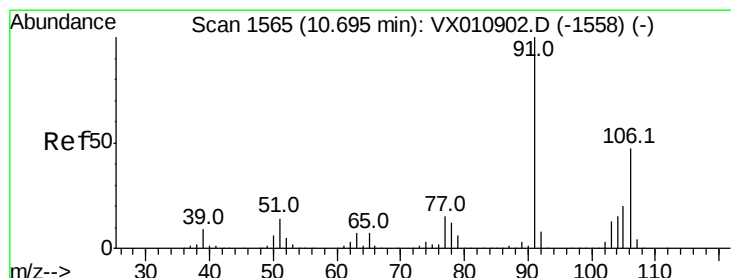
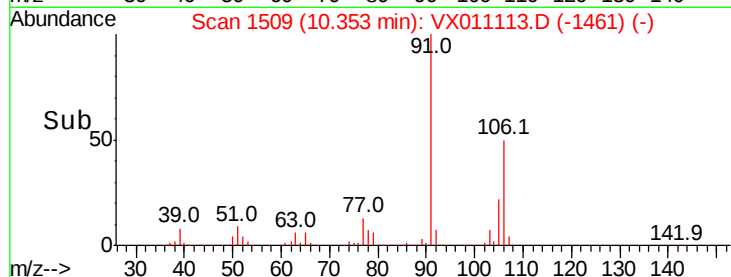
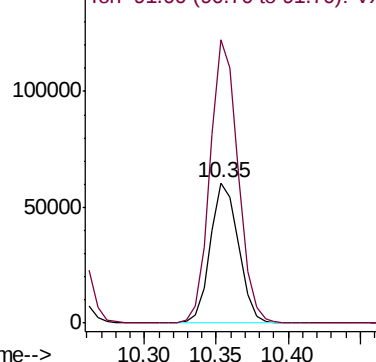
#68
m/p-Xylenes
Concen: 20.332 ug/l
RT: 10.35 min Scan# 1509
Delta R.T. -0.01 min
Lab File: VX011113.D
Acq: 27 Jul 2019 01:09

Instrument :
MSVOA_X
ClientSampleId :
MW-3DL

Tot Ion:106 Resp: 82246
Ion Ratio Lower Upper
106 100
91 200.0 160.1 240.1

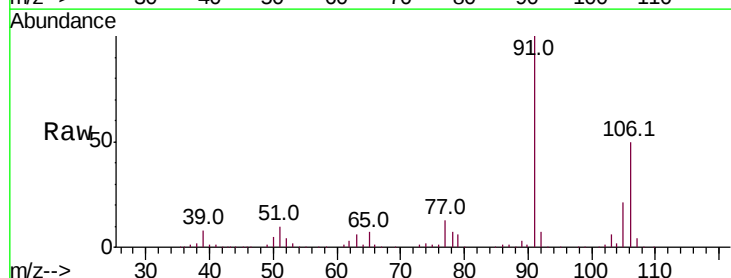


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

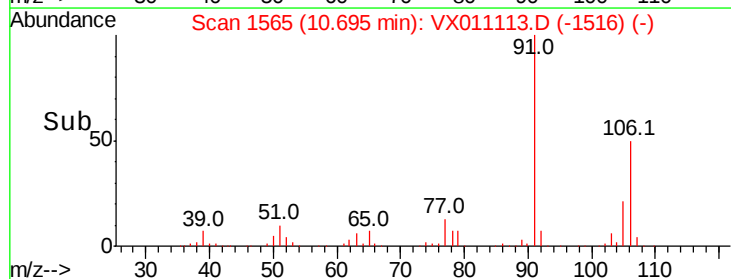
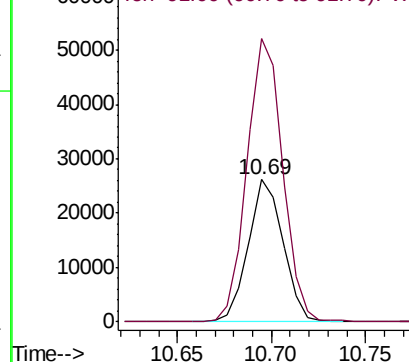


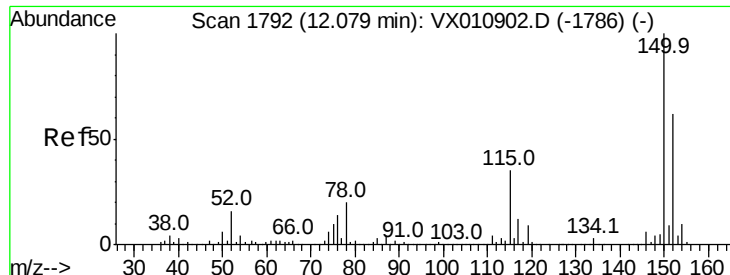
#69
o-Xylene
Concen: 8.525 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX011113.D
Acq: 27 Jul 2019 01:09

Tgt Ion:106 Resp: 33654
Ion Ratio Lower Upper
106 100
91 204.3 105.1 315.3



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1791

Delta R.T. -0.01 min

Lab File: VX011113.D

Acq: 27 Jul 2019 01:09

Instrument :

MSVOA_X

ClientSampleId :

MW-3DL

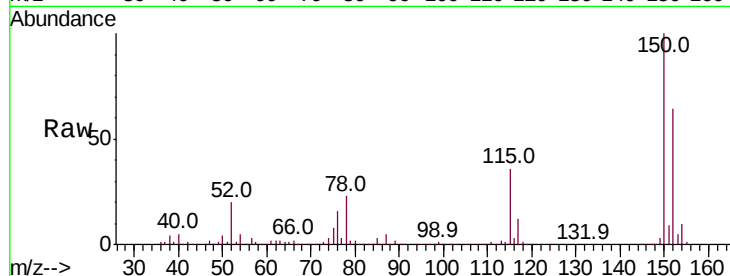
Tot Ion:152 Resp: 144185

Ion Ratio Lower Upper

152 100

115 55.7 39.7 119.1

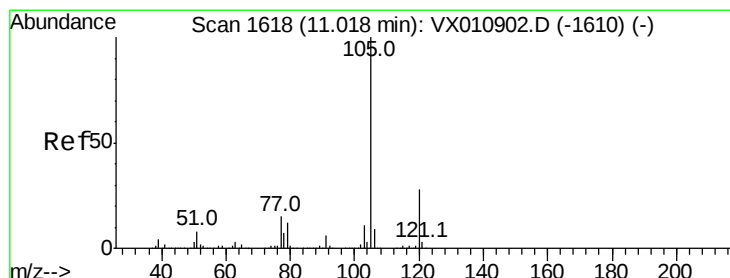
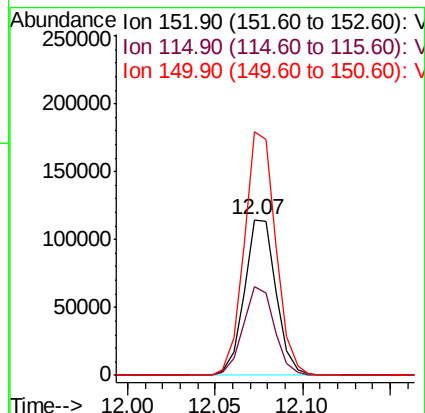
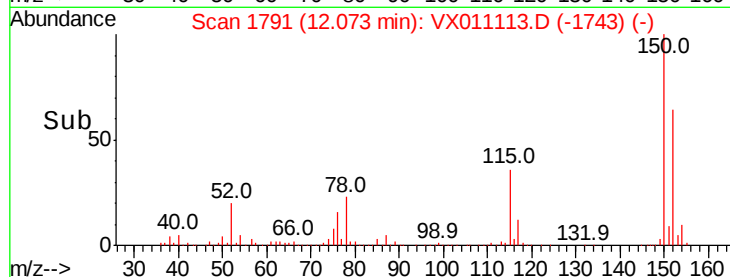
150 155.9 0.0 345.6



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: 0.253 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX011113.D

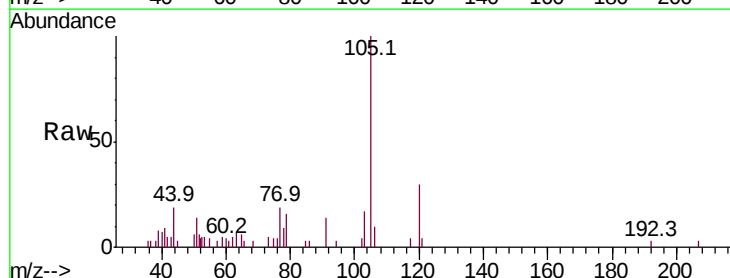
Acq: 27 Jul 2019 01:09

Tgt Ion:105 Resp: 2469

Ion Ratio Lower Upper

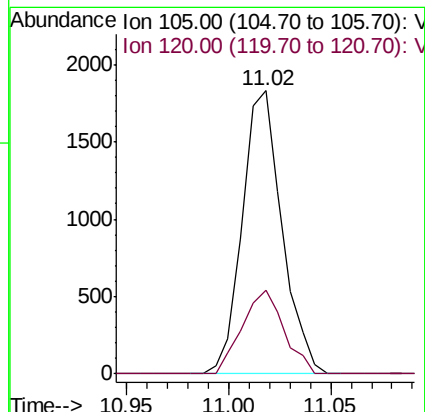
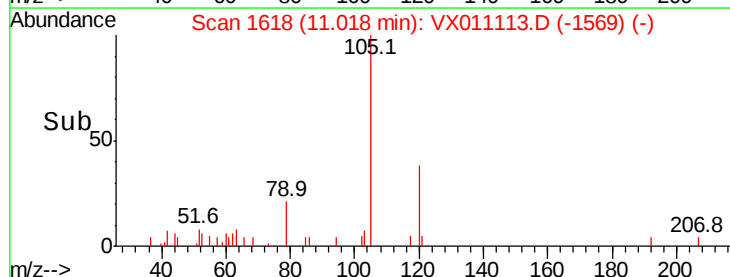
105 100

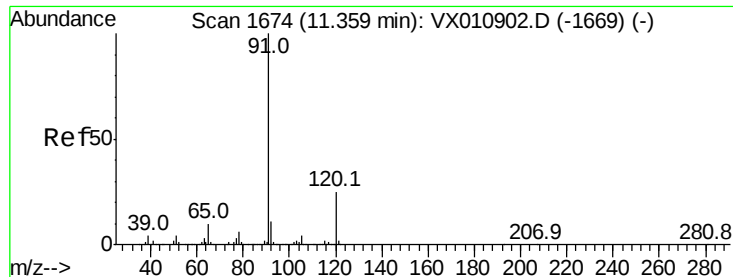
120 31.2 13.7 41.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 0.514 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX011113.D

Acq: 27 Jul 2019 01:09

Instrument :

MSVOA_X

ClientSampled :

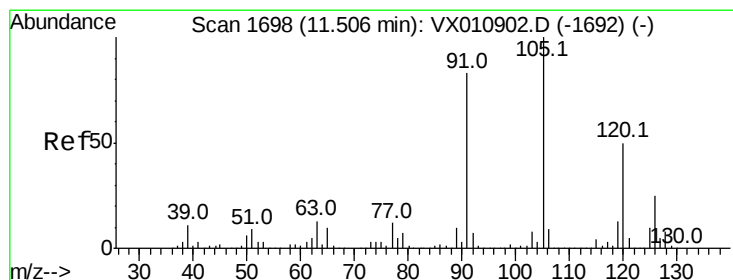
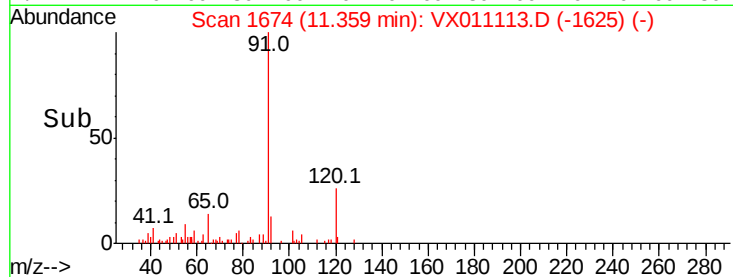
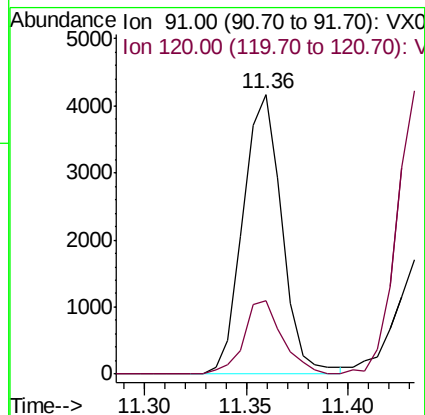
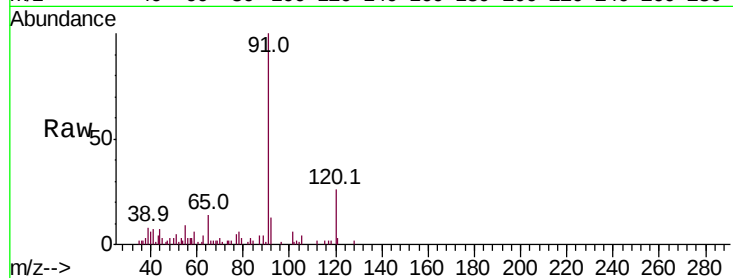
MW-3DL

Tot Ion: 91 Resp: 5534

Ion Ratio Lower Upper

91 100

120 26.4 12.3 36.8



#80

1,3,5-Trimethylbenzene

Concen: 0.855 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX011113.D

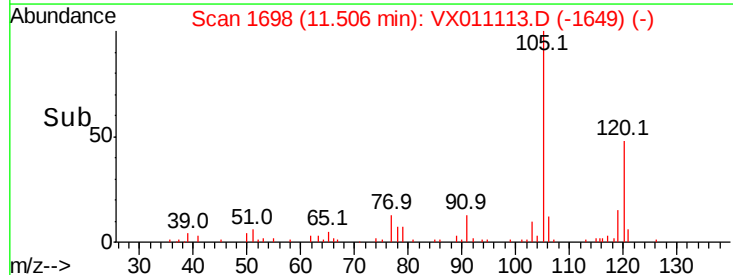
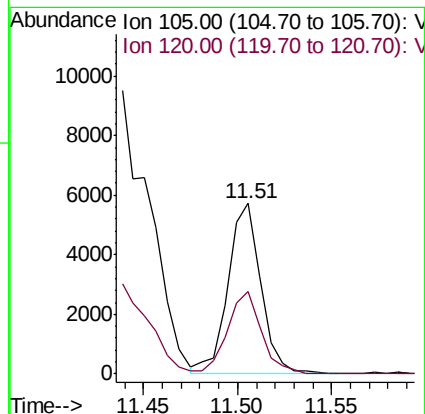
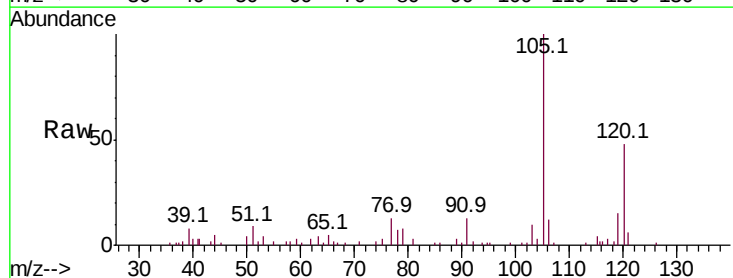
Acq: 27 Jul 2019 01:09

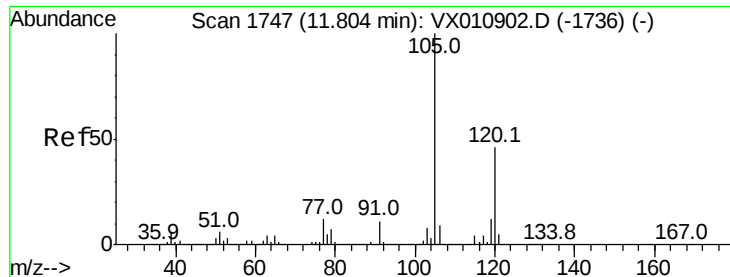
Tgt Ion: 105 Resp: 6958

Ion Ratio Lower Upper

105 100

120 49.9 24.6 73.8





#84

1,2,4-Trimethylbenzene

Concen: 2.620 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. -0.00 min

Lab File: VX011113.D

Acq: 27 Jul 2019 01:09

Instrument :

MSVOA_X

ClientSampleId :

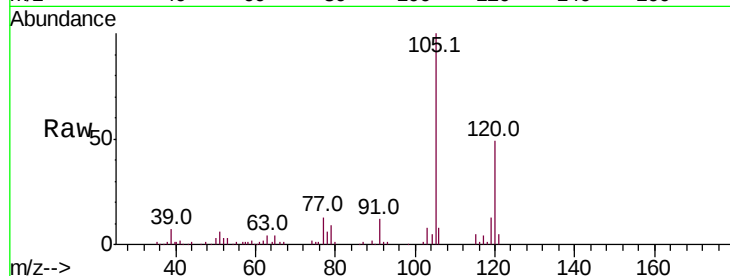
MW-3DL

Tot Ion:105 Resp: 21501

Ion Ratio Lower Upper

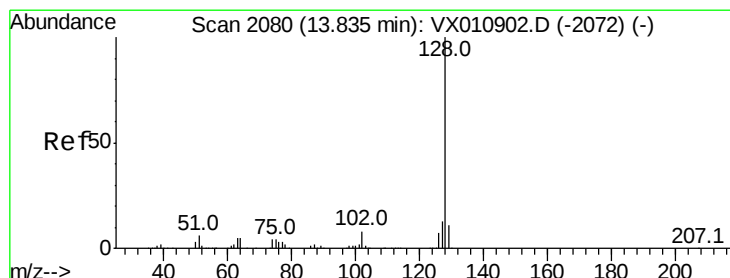
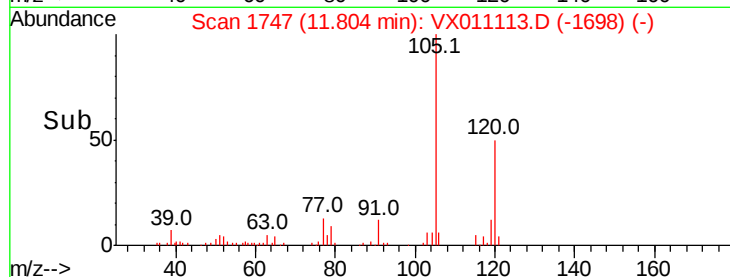
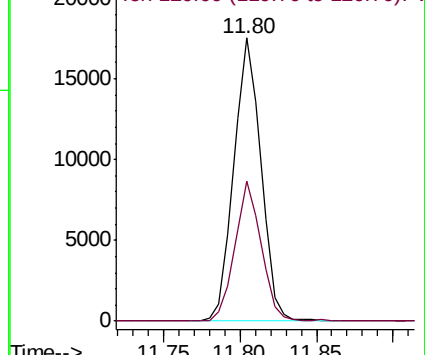
105 100

120 48.0 22.9 68.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#95

Naphthalene

Concen: 0.664 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX011113.D

Acq: 27 Jul 2019 01:09

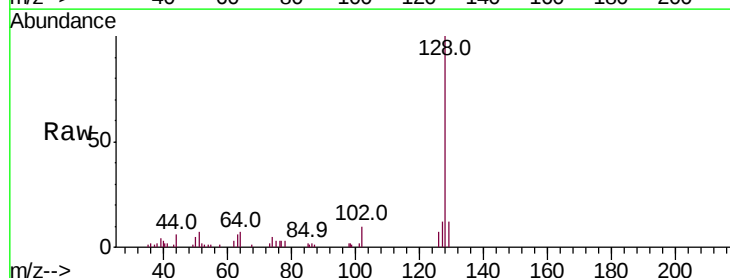
Tgt Ion:128 Resp: 6144

Ion Ratio Lower Upper

128 100

127 15.1 10.4 15.6

129 12.4 8.9 13.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

