

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122019\
 Data File : VX014183.D
 Acq On : 20 Dec 2019 18:46
 Operator : JC/SP
 Sample : K6372-05DL 20X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-6DL

Quant Time: Dec 21 01:29:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 17 03:01:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	579282	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	880127	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	785104	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	364128	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	314128	47.85	ug/l	0.00
Spiked Amount			Recovery	=	95.70%	
35) Dibromofluoromethane	5.49	113	258077	48.24	ug/l	0.00
Spiked Amount			Recovery	=	96.48%	
50) Toluene-d8	8.71	98	1042220	50.04	ug/l	0.00
Spiked Amount			Recovery	=	100.08%	
62) 4-Bromofluorobenzene	11.13	95	359547	47.22	ug/l	0.00
Spiked Amount			Recovery	=	94.44%	

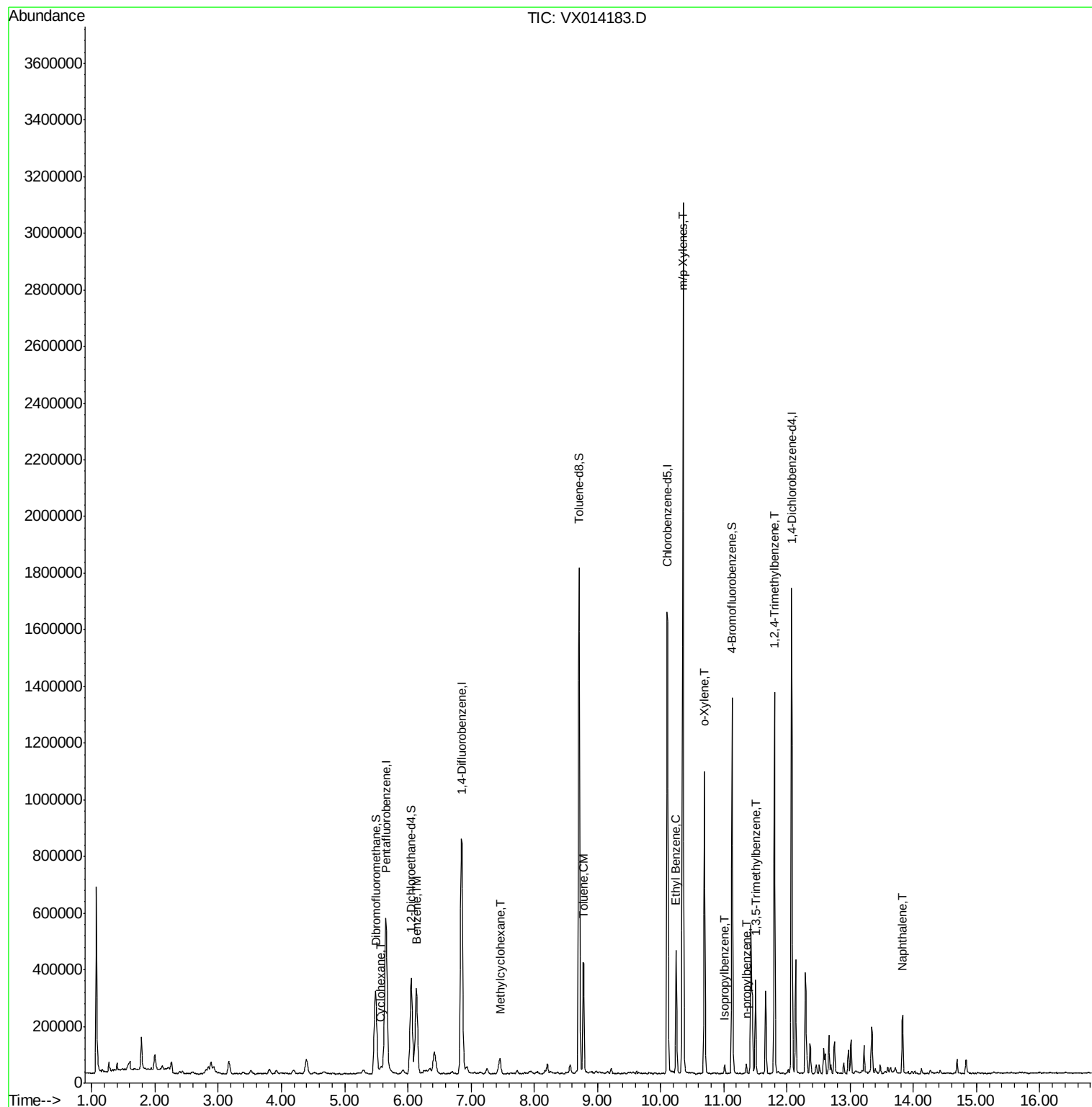
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Cyclohexane	5.58	56	15787	1.609	ug/l	91
39) Methylcyclohexane	7.46	83	23772	2.384	ug/l	96
40) Benzene	6.14	78	365953	14.728	ug/l	99
52) Toluene	8.78	92	153664	9.784	ug/l	100
67) Ethyl Benzene	10.25	91	257693	8.979	ug/l	98
68) m/p-Xylenes	10.35	106	721861	65.396	ug/l	100
69) o-Xylene	10.70	106	243299	22.474	ug/l	97
73) Isopropylbenzene	11.01	105	17373	0.678	ug/l	98
78) n-propylbenzene	11.35	91	23010	0.800	ug/l	98
80) 1,3,5-Trimethylbenzene	11.50	105	147008	6.813	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	606607	28.074	ug/l	99
95) Naphthalene	13.83	128	138546	5.830	ug/l	99

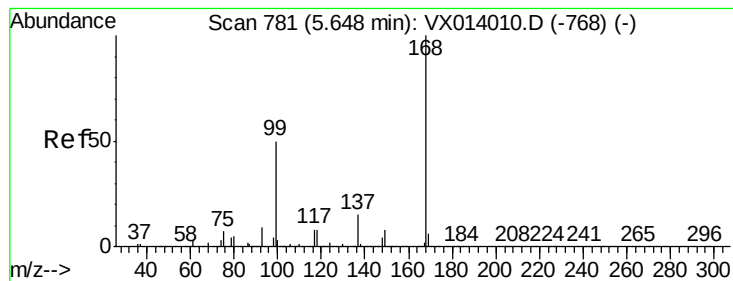
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX014183.D

Acq: 20 Dec 2019 18:46

Instrument :

MSVOA_X

ClientSampleId :

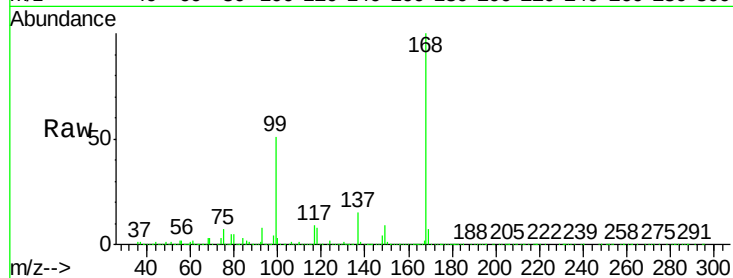
MW-6DL

Tot Ion:168 Resp: 579282

Ion Ratio Lower Upper

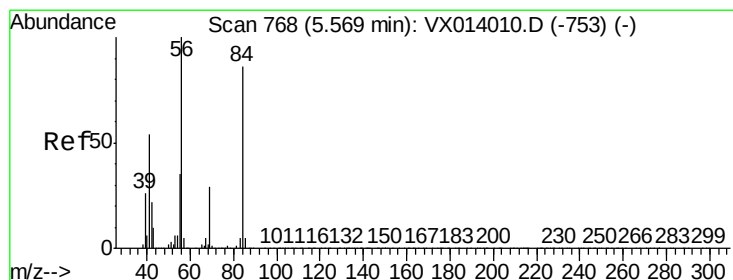
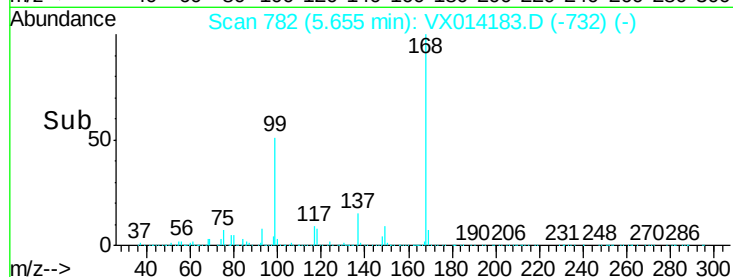
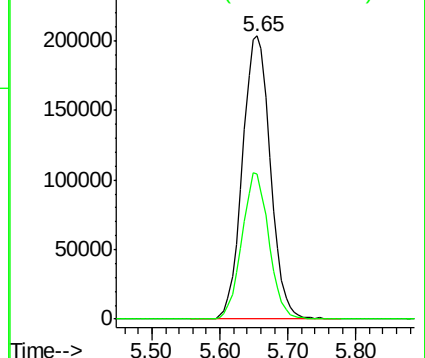
168 100

99 51.2 40.3 60.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#31

Cyclohexane

Concen: 1.609 ug/l

RT: 5.58 min Scan# 769

Delta R.T. 0.01 min

Lab File: VX014183.D

Acq: 20 Dec 2019 18:46

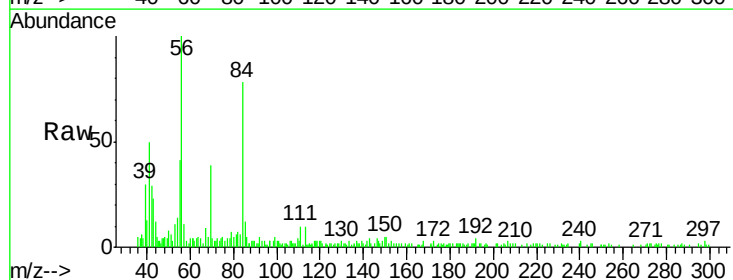
Tgt Ion: 56 Resp: 15787

Ion Ratio Lower Upper

56 100

69 30.7 23.2 34.8

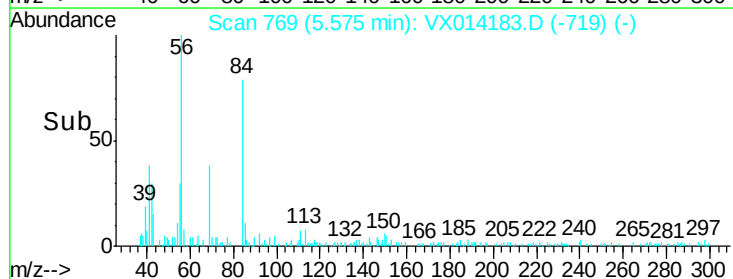
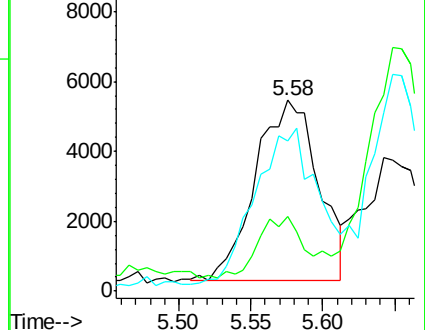
84 76.9 69.2 103.8

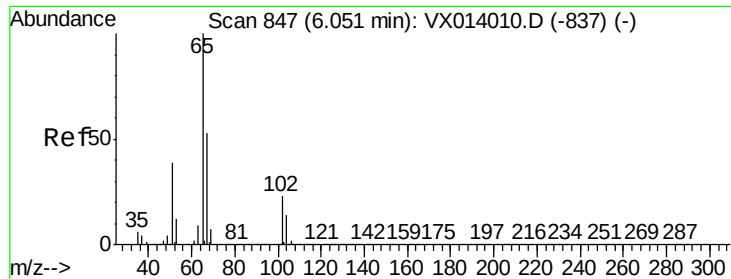


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 47.846 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX014183.D

Acq: 20 Dec 2019 18:46

Instrument :

MSVOA_X

ClientSampleId :

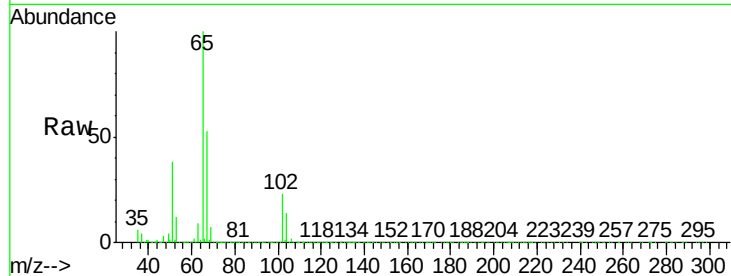
MW-6DL

Tot Ion: 65 Resp: 314128

Ion Ratio Lower Upper

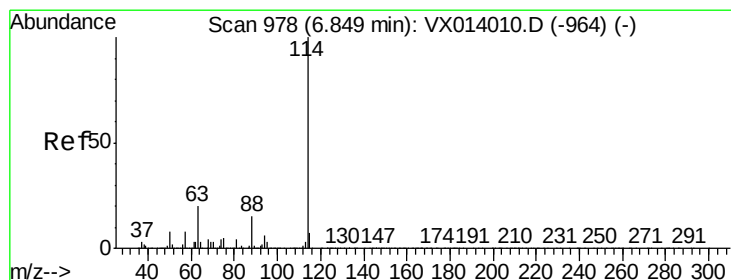
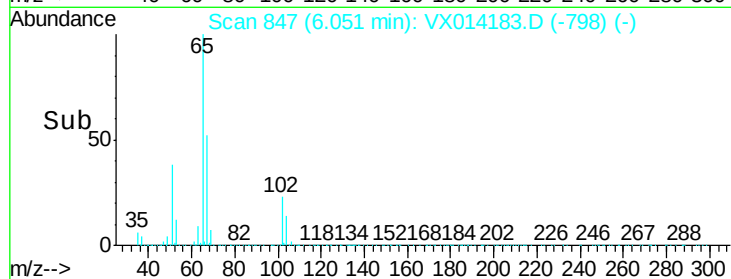
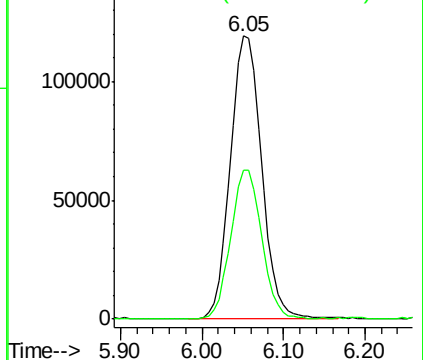
65 100

67 52.9 0.0 106.4



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# 979

Delta R.T. 0.01 min

Lab File: VX014183.D

Acq: 20 Dec 2019 18:46

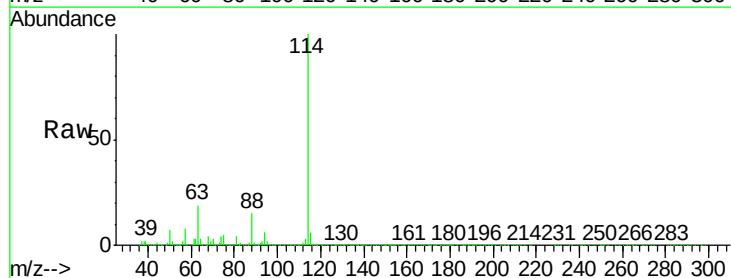
Tgt Ion: 114 Resp: 880127

Ion Ratio Lower Upper

114 100

63 19.3 0.0 40.8

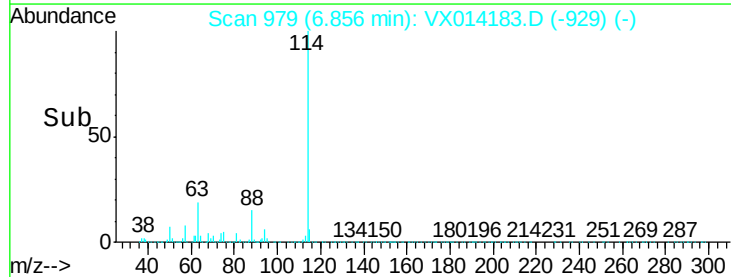
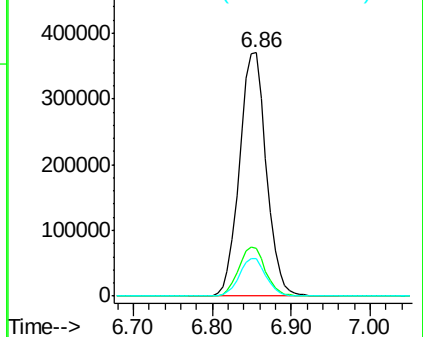
88 15.3 0.0 30.4

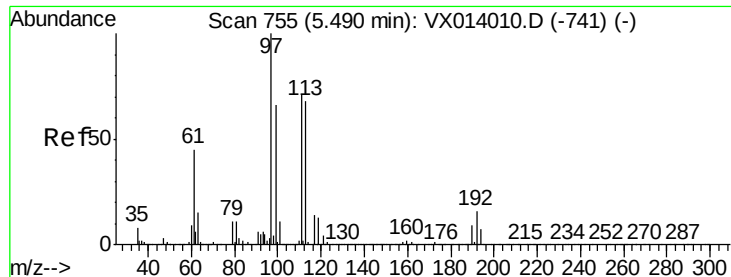


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 48.237 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX014183.D

Acq: 20 Dec 2019 18:46

Instrument :

MSVOA_X

ClientSampleId :

MW-6DL

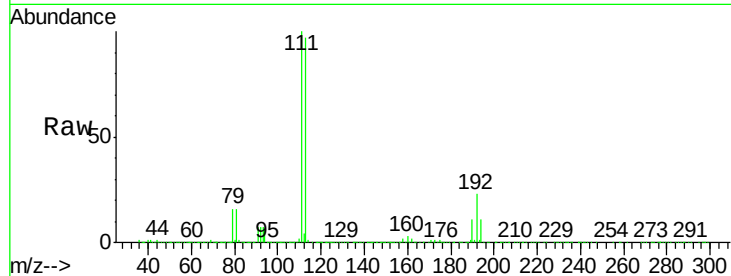
Tot Ion:113 Resp: 258077

Ion Ratio Lower Upper

113 100

111 101.5 82.0 123.0

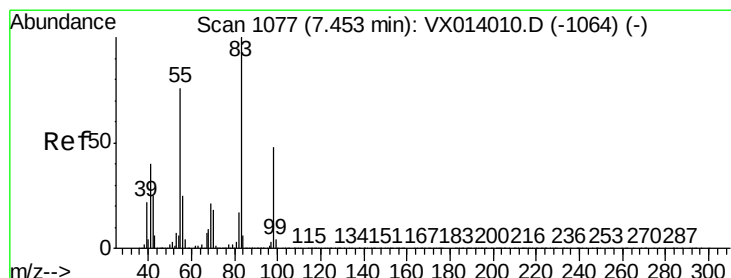
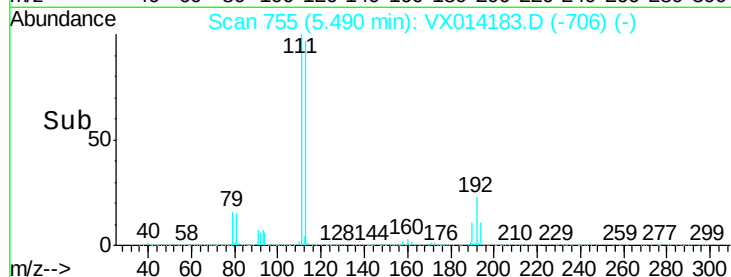
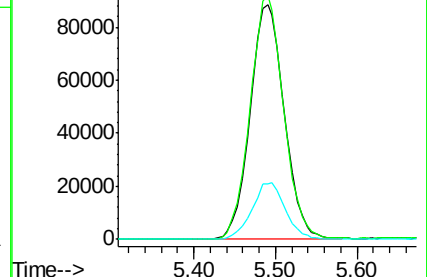
192 23.8 19.3 28.9



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: 2.384 ug/l

RT: 7.46 min Scan# 1078

Delta R.T. 0.01 min

Lab File: VX014183.D

Acq: 20 Dec 2019 18:46

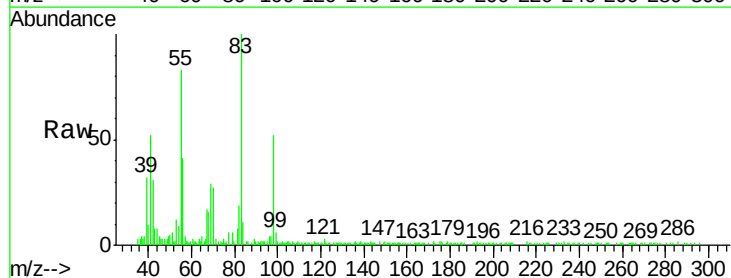
Tgt Ion: 83 Resp: 23772

Ion Ratio Lower Upper

83 100

55 80.6 61.0 91.6

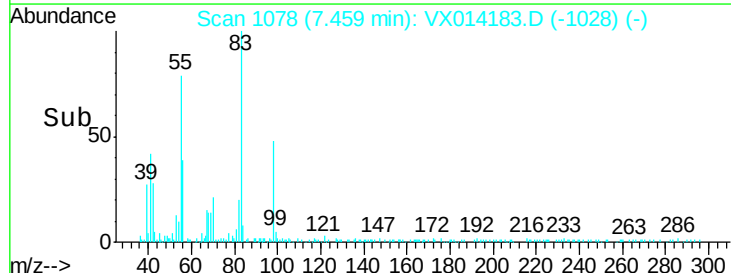
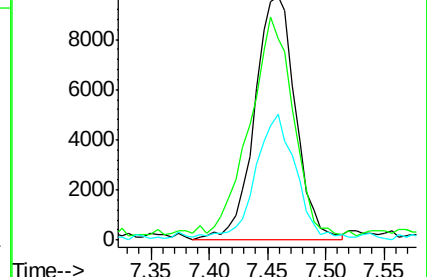
98 49.6 38.6 57.8

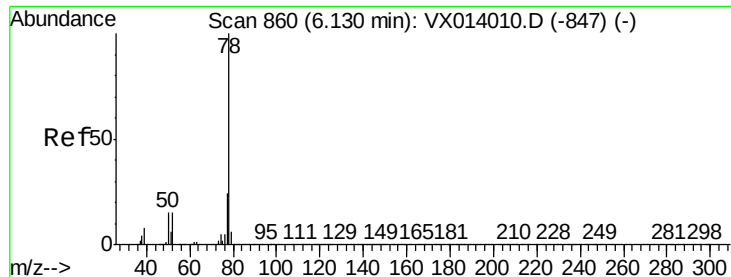


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#40

Benzene

Concen: 14.728 ug/l

RT: 6.14 min Scan# 861

Delta R.T. 0.01 min

Lab File: VX014183.D

Acq: 20 Dec 2019 18:46

Instrument :

MSVOA_X

ClientSampleId :

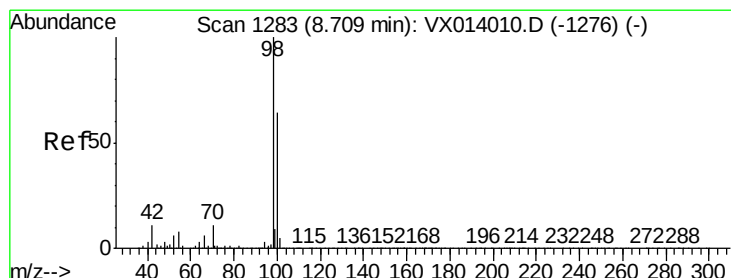
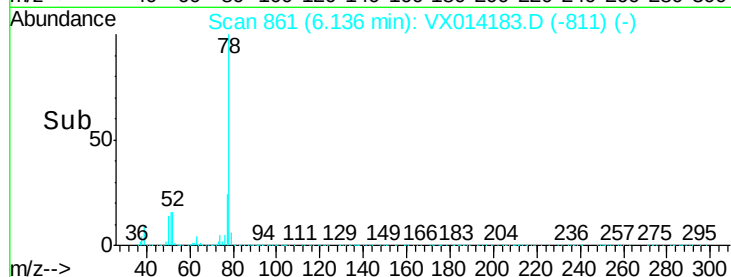
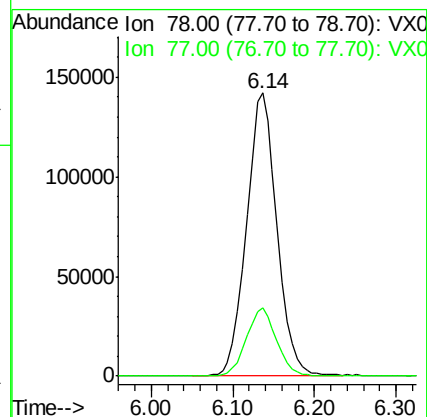
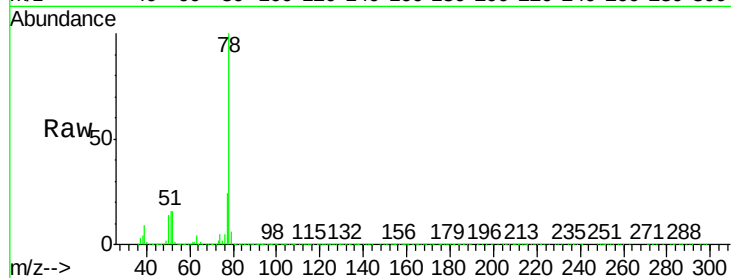
MW-6DL

Tot Ion: 78 Resp: 365953

Ion Ratio Lower Upper

78 100

77 24.0 18.8 28.2



#50

Toluene-d8

Concen: 50.035 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX014183.D

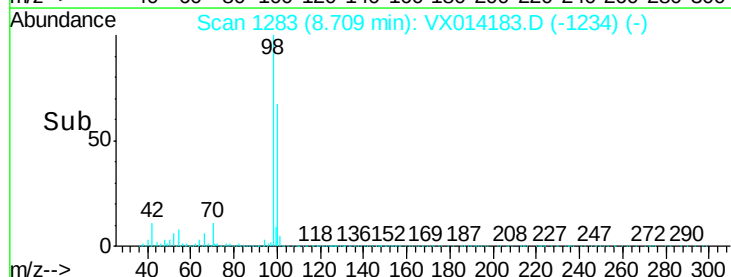
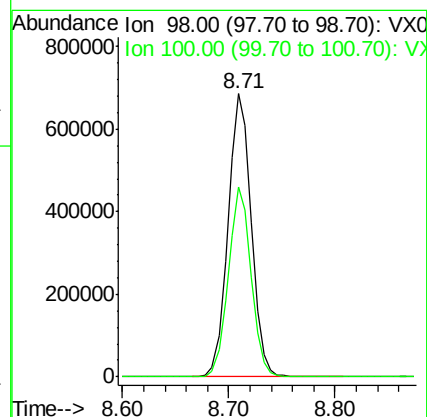
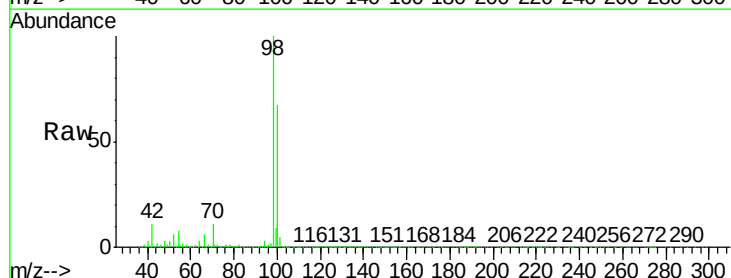
Acq: 20 Dec 2019 18:46

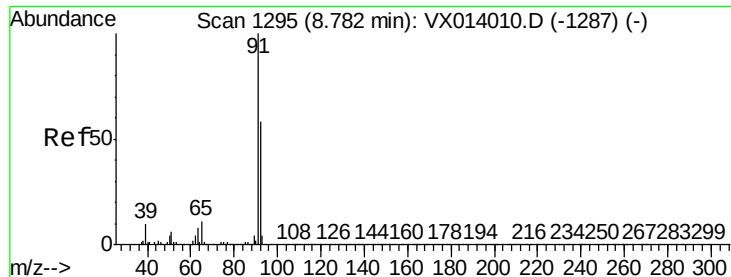
Tgt Ion: 98 Resp: 1042220

Ion Ratio Lower Upper

98 100

100 65.8 52.9 79.3





#52

Toluene

Concen: 9.784 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. 0.00 min

Lab File: VX014183.D

Acq: 20 Dec 2019 18:46

Instrument :

MSVOA_X

ClientSampleId :

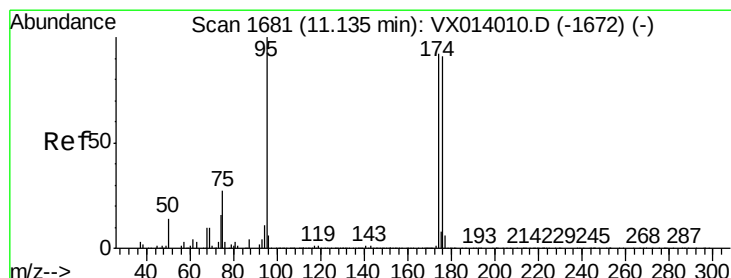
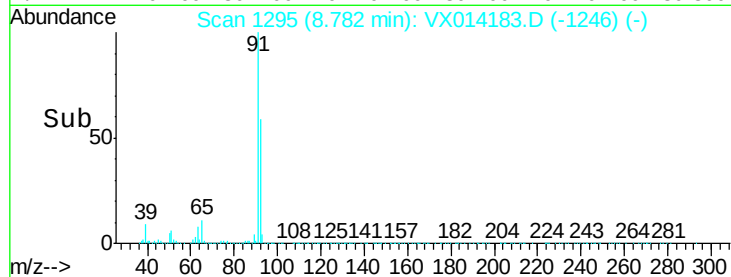
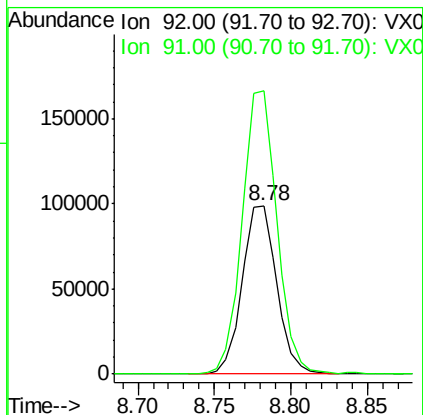
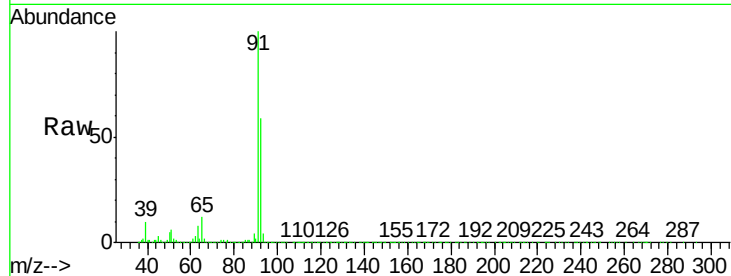
MW-6DL

Tot Ion: 92 Resp: 153664

Ion Ratio Lower Upper

92 100

91 169.7 136.2 204.4



#62

4-Bromofluorobenzene

Concen: 47.221 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.01 min

Lab File: VX014183.D

Acq: 20 Dec 2019 18:46

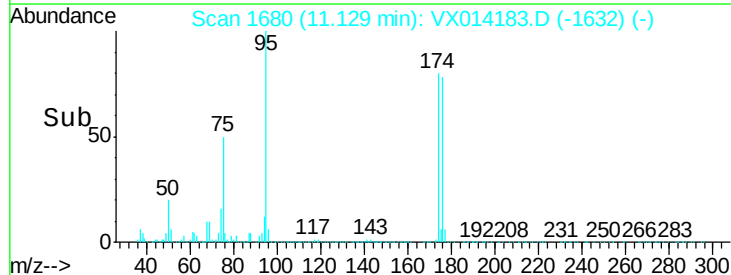
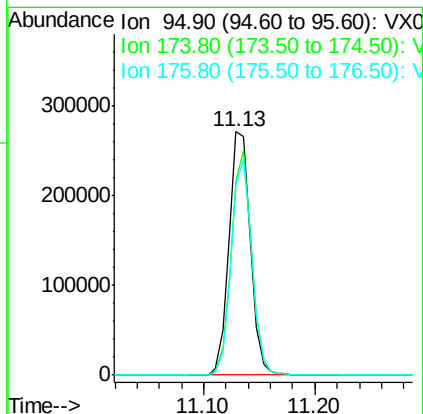
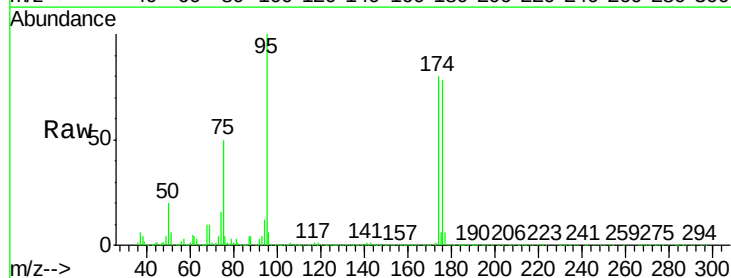
Tgt Ion: 95 Resp: 359547

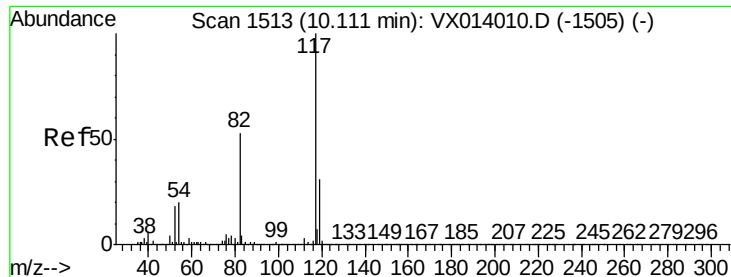
Ion Ratio Lower Upper

95 100

174 88.2 0.0 175.8

176 85.7 0.0 173.0

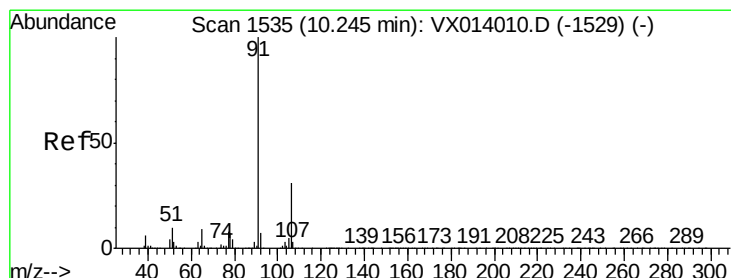
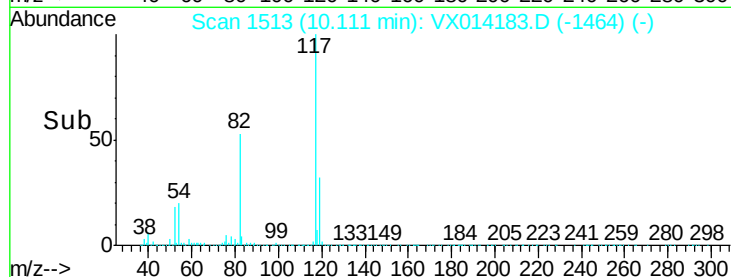
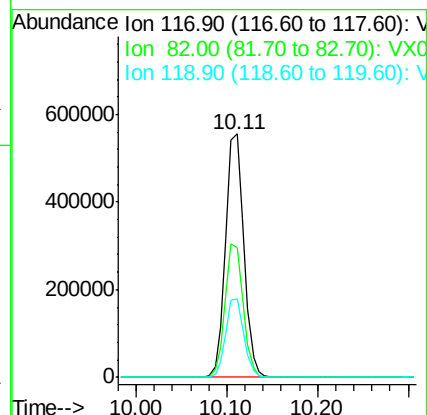
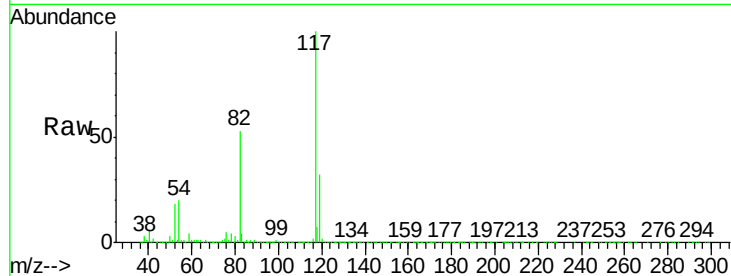




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX014183.D
Acq: 20 Dec 2019 18:46

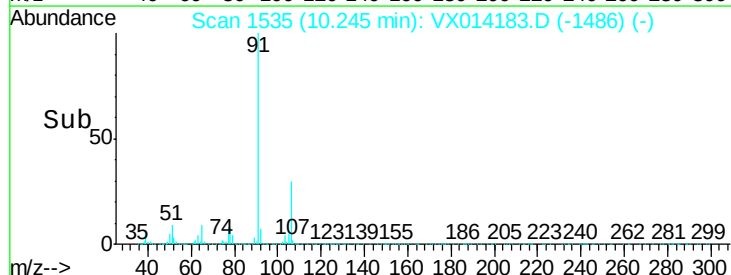
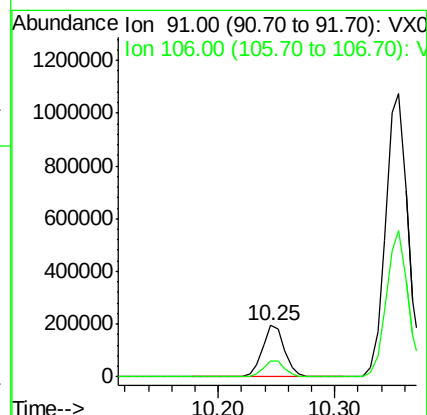
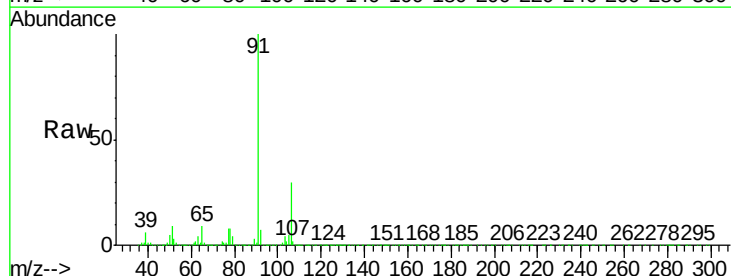
Instrument :
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MW-6DL

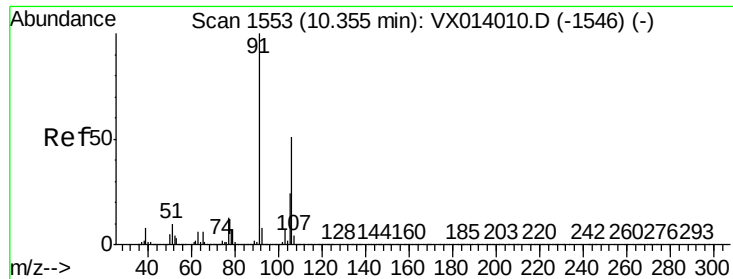
Tot Ion:117 Resp: 785104
Ion Ratio Lower Upper
117 100
82 53.0 42.2 63.4
119 32.2 25.1 37.7



#67
Ethyl Benzene
Concen: 8.979 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. 0.00 min
Lab File: VX014183.D
Acq: 20 Dec 2019 18:46

Tgt Ion: 91 Resp: 257693
Ion Ratio Lower Upper
91 100
106 30.4 25.0 37.6





#68

m/p-Xylenes

Concen: 65.396 ug/l

RT: 10.35 min Scan# 1553

Delta R.T. 0.00 min

Lab File: VX014183.D

Acq: 20 Dec 2019 18:46

Instrument :

MSVOA_X

ClientSampleId :

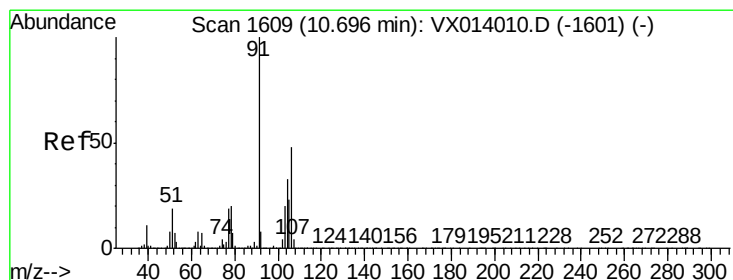
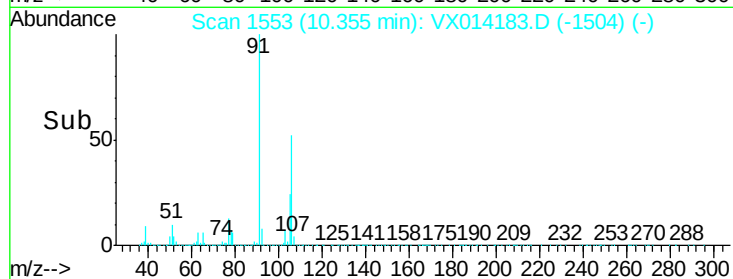
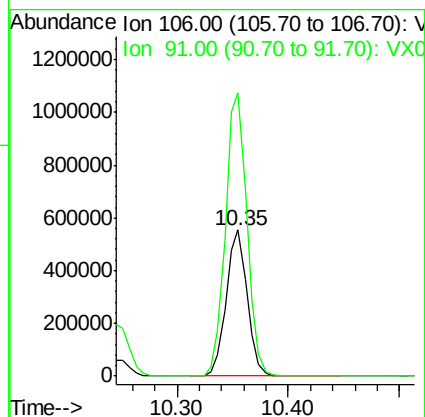
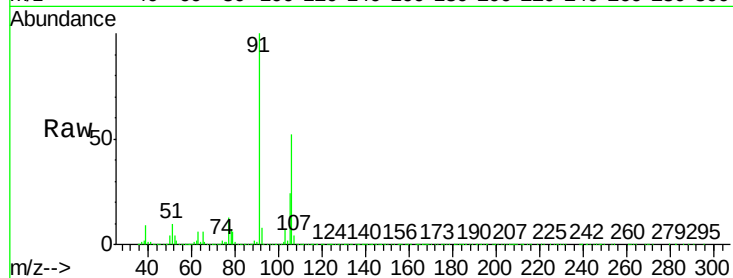
MW-6DL

Tot Ion:106 Resp: 721861

Ion Ratio Lower Upper

106 100

91 198.4 158.6 238.0



#69

o-Xylene

Concen: 22.474 ug/l

RT: 10.70 min Scan# 1609

Delta R.T. 0.00 min

Lab File: VX014183.D

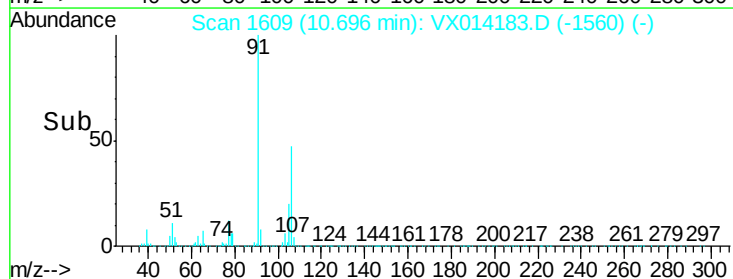
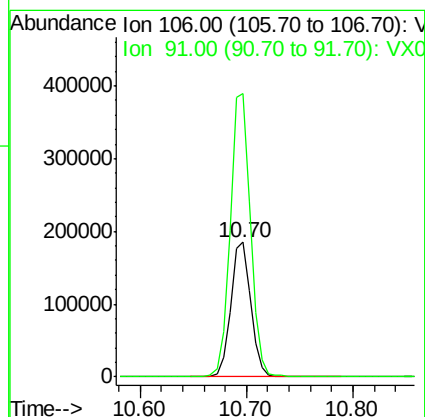
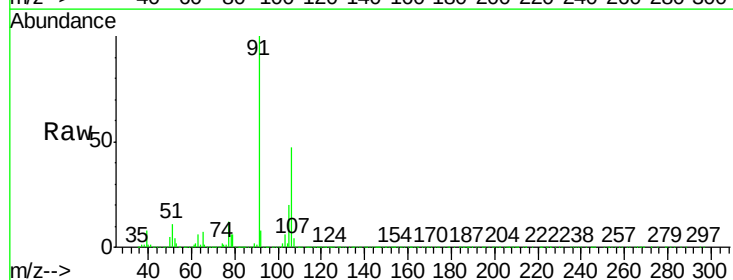
Acq: 20 Dec 2019 18:46

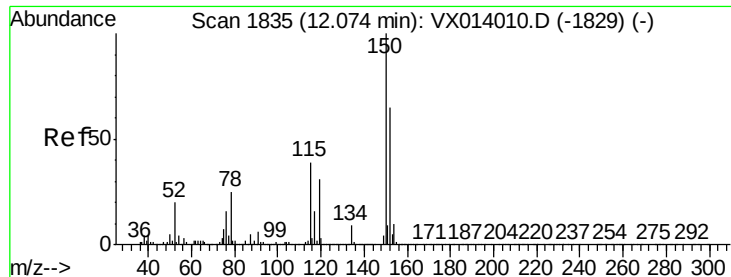
Tgt Ion:106 Resp: 243299

Ion Ratio Lower Upper

106 100

91 212.6 104.2 312.6

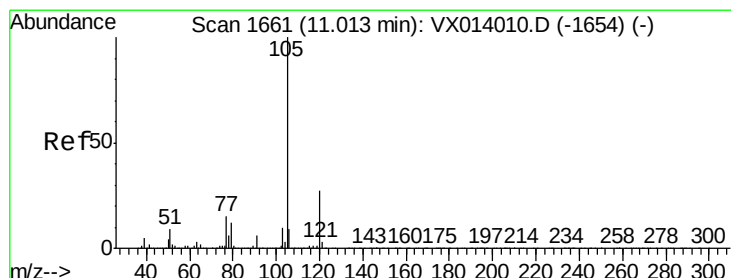
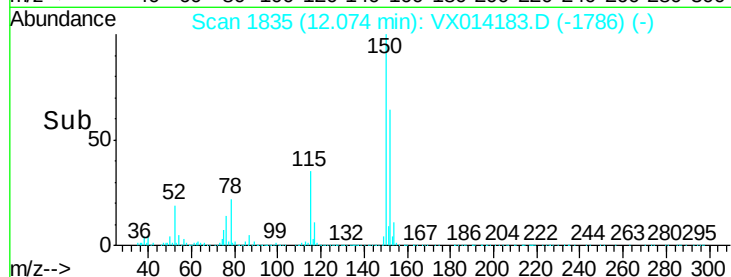
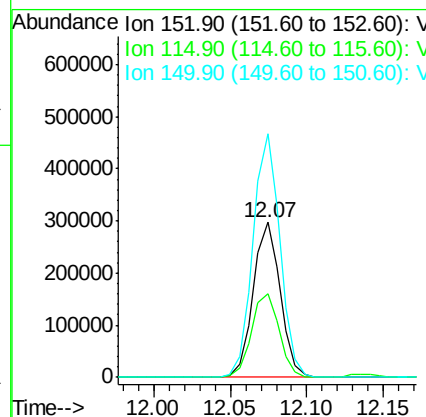
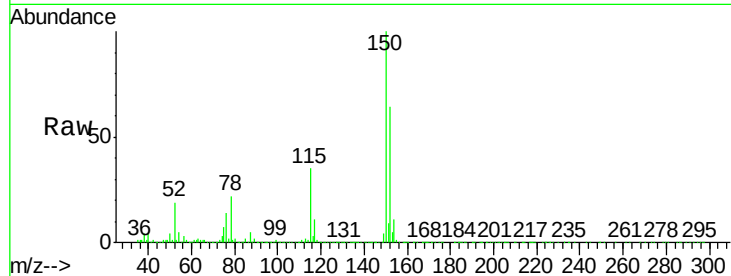




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.07 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX014183.D
 Acq: 20 Dec 2019 18:46

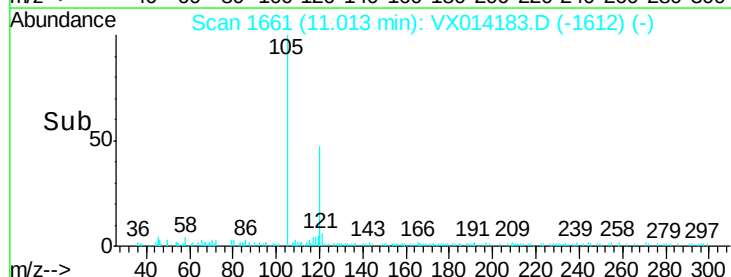
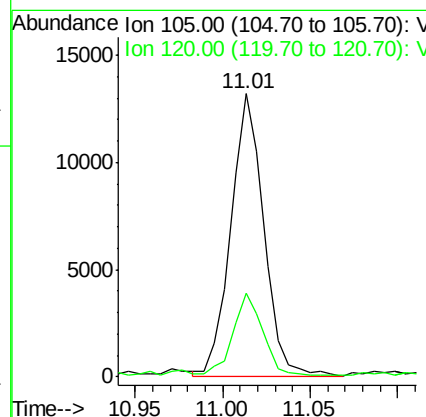
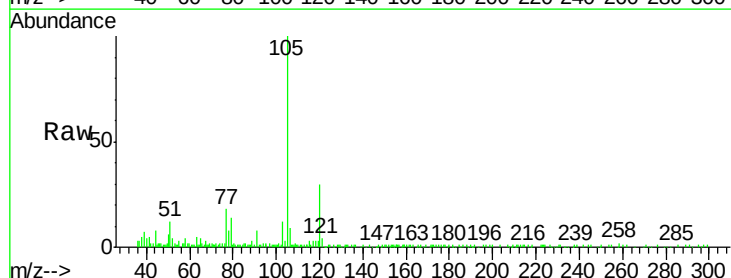
Instrument :
 MSVOA_X
 ClientSampled :
 MW-6DL

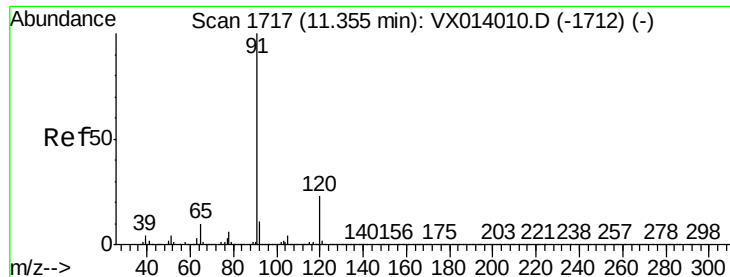
Tot Ion	Ratio	Lower	Upper
152	100		
115	55.8	38.3	114.9
150	156.9	0.0	345.4



#73
 Isopropylbenzene
 Concen: 0.678 ug/l
 RT: 11.01 min Scan# 1661
 Delta R.T. 0.00 min
 Lab File: VX014183.D
 Acq: 20 Dec 2019 18:46

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.9	13.5	40.4





#78

n-propylbenzene

Concen: 0.800 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VX014183.D

Acq: 20 Dec 2019 18:46

Instrument :

MSVOA_X

ClientSampleId :

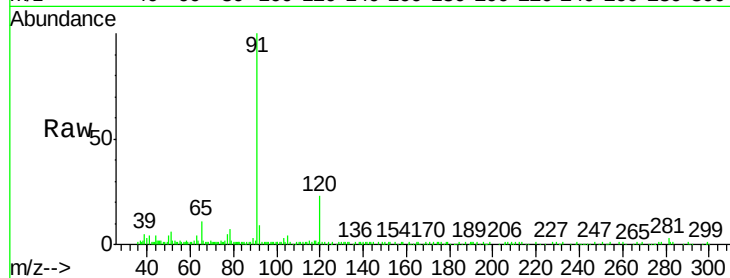
MW-6DL

Tot Ion: 91 Resp: 23010

Ion Ratio Lower Upper

91 100

120 22.2 11.7 35.0



Abundance Ion 91.00 (90.70 to 91.70): VX014010.D (-1712) (-)

Ion 120.00 (119.70 to 120.70): VX014010.D (-1712) (-)

60000

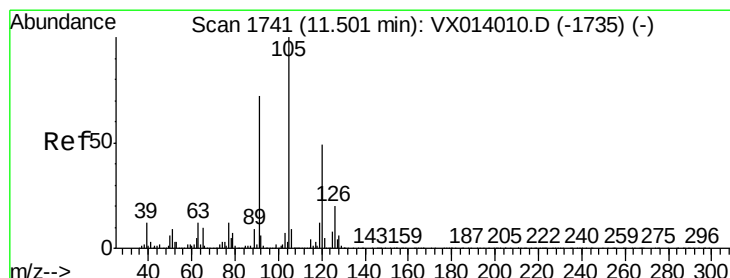
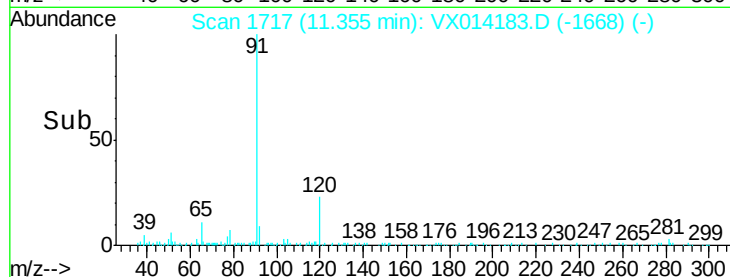
40000

20000

0

11.30 11.35 11.40

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 6.813 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX014183.D

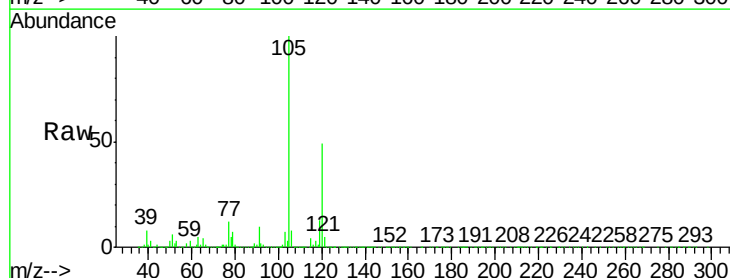
Acq: 20 Dec 2019 18:46

Tgt Ion: 105 Resp: 147008

Ion Ratio Lower Upper

105 100

120 49.7 25.3 75.8



Abundance Ion 105.00 (104.70 to 105.70): VX014010.D (-1735) (-)

Ion 120.00 (119.70 to 120.70): VX014010.D (-1735) (-)

250000

200000

150000

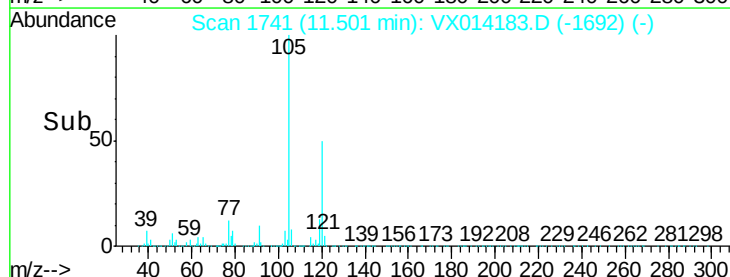
100000

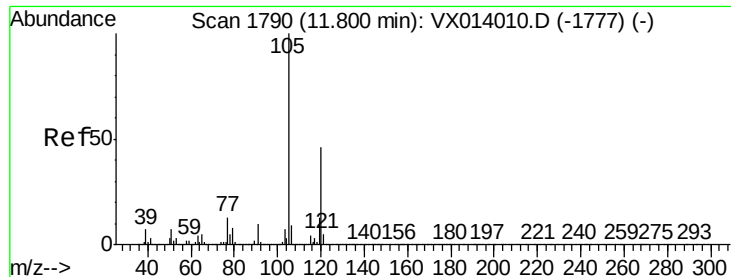
50000

0

11.50 11.60

Time-->

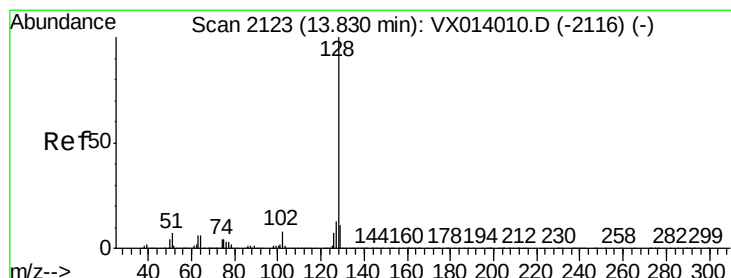
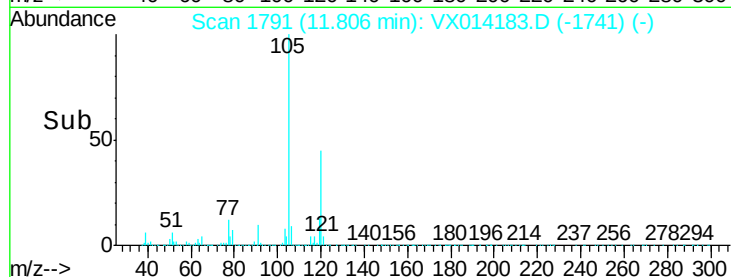
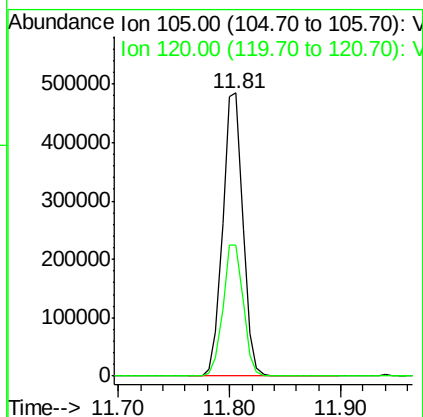
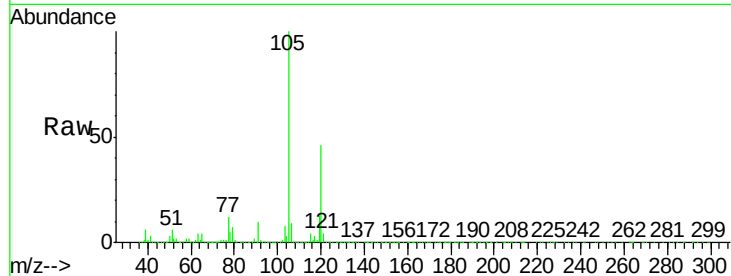




#84
 1,2,4-Trimethylbenzene
 Concen: 28.074 ug/l
 RT: 11.81 min Scan# 1791
 Delta R.T. 0.01 min
 Lab File: VX014183.D
 Acq: 20 Dec 2019 18:46

Instrument :
 MSVOA_X
 ClientSampled :
 MW-6DL

Tot Ion:105 Resp: 606607
 Ion Ratio Lower Upper
 105 100
 120 46.7 23.1 69.2



#95
 Naphthalene
 Concen: 5.830 ug/l
 RT: 13.83 min Scan# 2123
 Delta R.T. 0.00 min
 Lab File: VX014183.D
 Acq: 20 Dec 2019 18:46

Tgt Ion:128 Resp: 138546
 Ion Ratio Lower Upper
 128 100
 127 13.2 10.2 15.4
 129 11.1 8.7 13.1

