

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101022\
 Data File : VX032022.D
 Acq On : 10 Oct 2022 19:00
 Operator : JC/MD
 Sample : N4941-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-5R

Quant Time: Oct 11 05:14:02 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100622W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 06 14:28:46 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

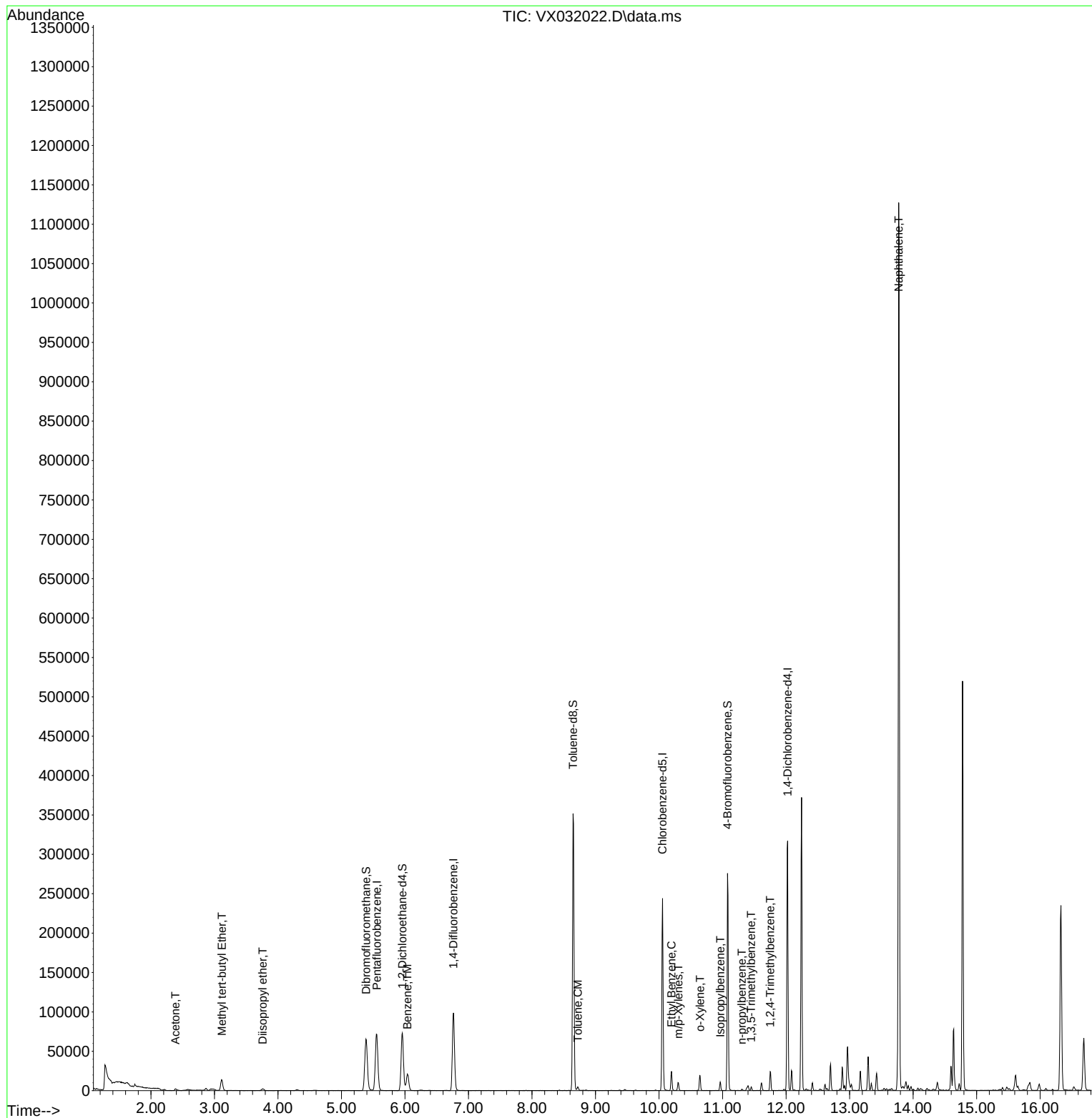
Internal Standards						
1) Pentafluorobenzene	5.556	168	66736	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	101739	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	105040	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	65242	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	68696	49.843	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	99.680%
35) Dibromofluoromethane	5.385	113	55653	48.326	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.660%
50) Toluene-d8	8.647	98	205756	49.652	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	99.300%
62) 4-Bromofluorobenzene	11.079	95	67303	45.941	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	91.880%
Target Compounds						
					Qvalue	
16) Acetone	2.386	43	2735	5.839	ug/l	90
19) Methyl tert-butyl Ether	3.117	73	15011	4.401	ug/l	97
22) Diisopropyl ether	3.757	45	2363	0.727	ug/l #	87
40) Benzene	6.037	78	25088	5.610	ug/l	98
52) Toluene	8.720	92	1509	0.516	ug/l	94
67) Ethyl Benzene	10.195	91	13553	2.517	ug/l	97
68) m/p-Xylenes	10.305	106	2523	1.179	ug/l	100
69) o-Xylene	10.646	106	4335	2.084	ug/l	98
73) Isopropylbenzene	10.963	105	5481	1.114	ug/l	97
78) n-propylbenzene	11.305	91	1408	0.252	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	2151	0.527	ug/l	96
84) 1,2,4-Trimethylbenzene	11.750	105	10706	2.582	ug/l	99
95) Naphthalene	13.774	128	649750	136.154	ug/l	100

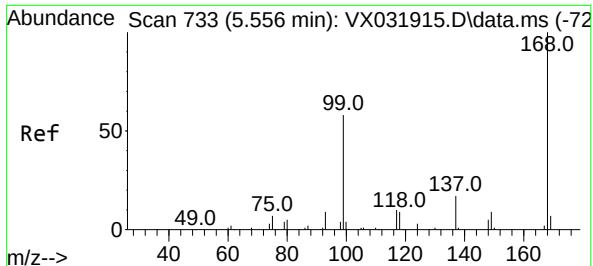
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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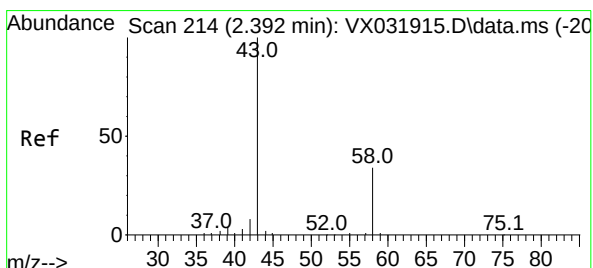
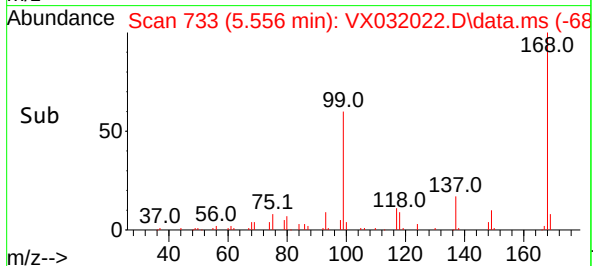
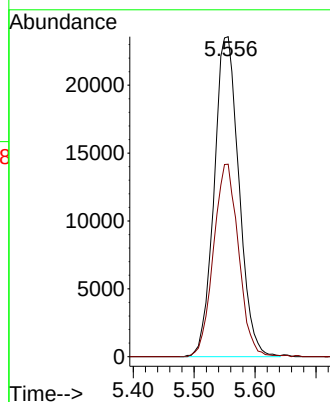
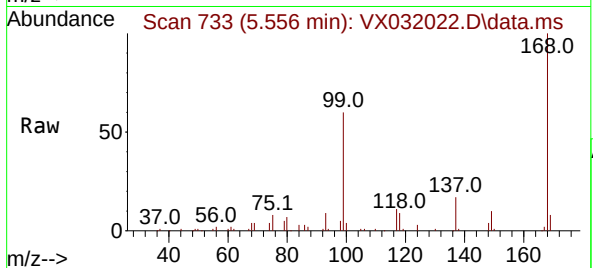




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.000 min
Lab File: VX032022.D
Acq: 10 Oct 2022 19:00

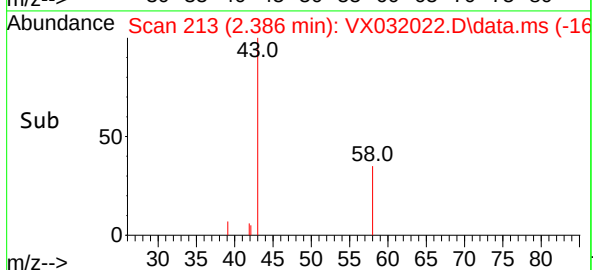
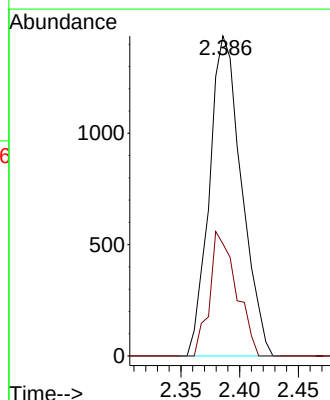
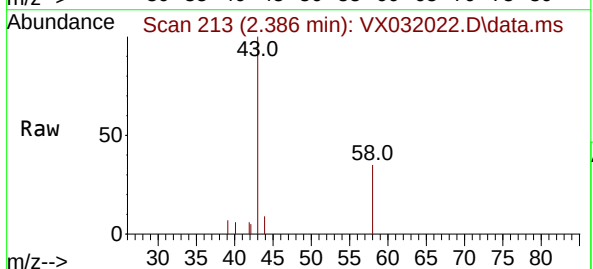
Instrument :
MSVOA_X
ClientSampleId :
MW-5R

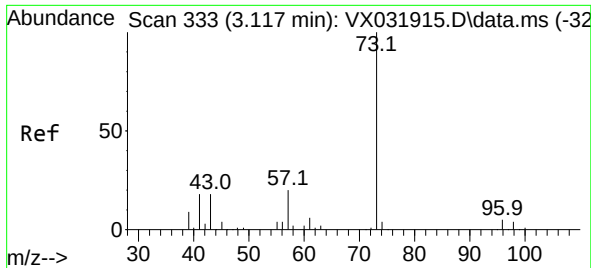
Tgt Ion:168 Resp: 66736
Ion Ratio Lower Upper
168 100
99 60.2 48.8 73.2



#16
Acetone
Concen: 5.839 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX032022.D
Acq: 10 Oct 2022 19:00

Tgt Ion: 43 Resp: 2735
Ion Ratio Lower Upper
43 100
58 35.1 23.8 35.8

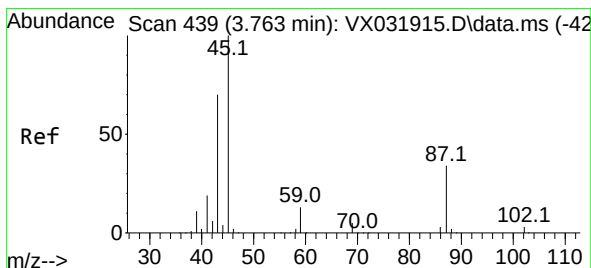
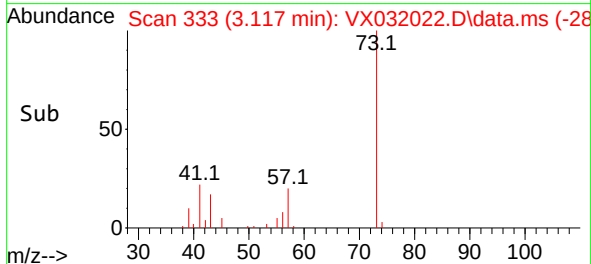
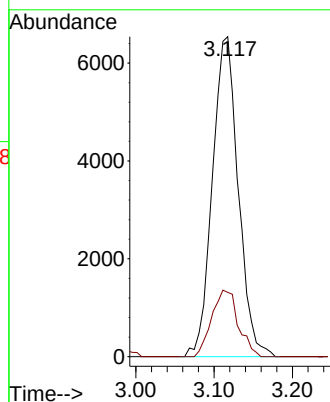
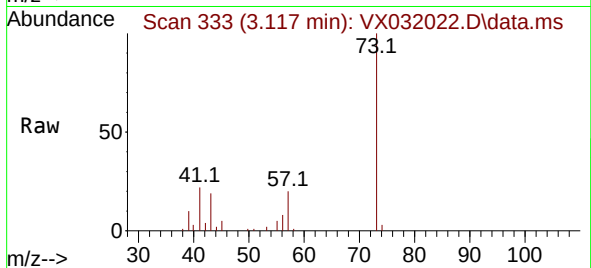




#19
Methyl tert-butyl Ether
Concen: 4.401 ug/l
RT: 3.117 min Scan# 311
Delta R.T. 0.000 min
Lab File: VX032022.D
Acq: 10 Oct 2022 19:00

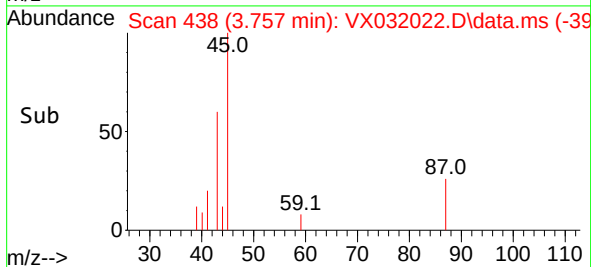
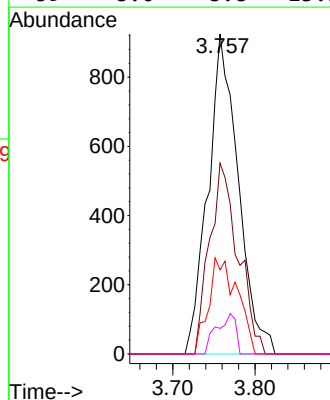
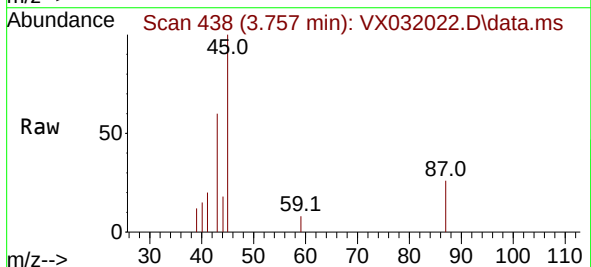
Instrument :
MSVOA_X
ClientSampleId :
MW-5R

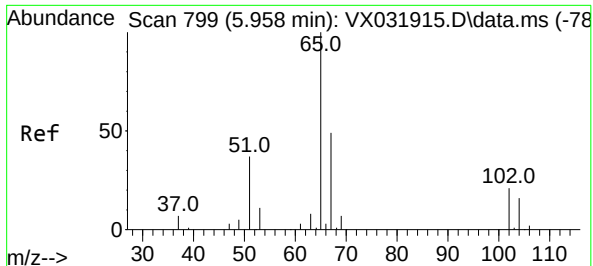
Tgt Ion: 73 Resp: 15011
Ion Ratio Lower Upper
73 100
57 20.1 17.2 25.8



#22
Diisopropyl ether
Concen: 0.727 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.006 min
Lab File: VX032022.D
Acq: 10 Oct 2022 19:00

Tgt Ion: 45 Resp: 2363
Ion Ratio Lower Upper
45 100
43 59.6 59.0 88.6
87 26.3 22.6 33.8
59 8.0 8.8 13.2#





#33

1,2-Dichloroethane-d4

Concen: 49.843 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX032022.D

Acq: 10 Oct 2022 19:00

Instrument :

MSVOA_X

ClientSampleId :

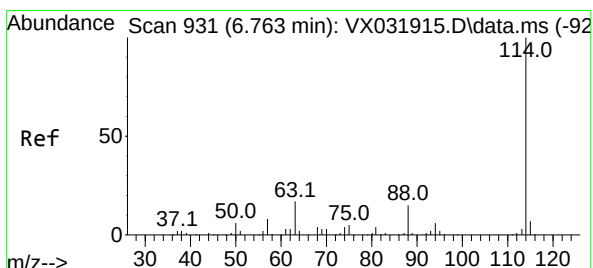
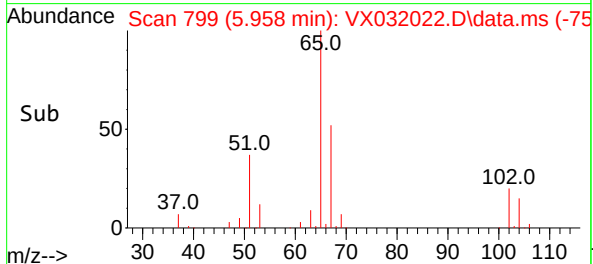
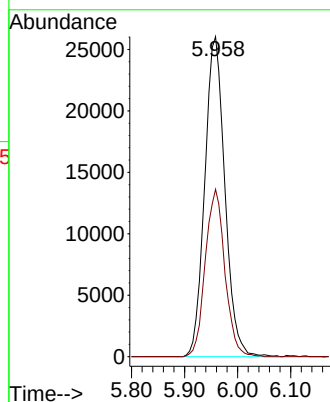
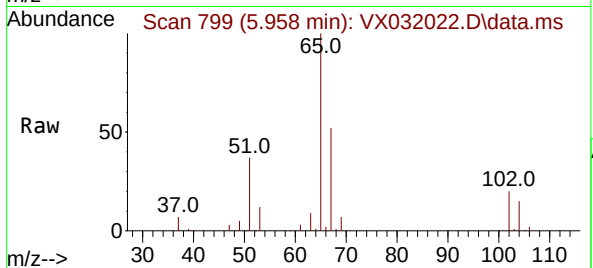
MW-5R

Tgt Ion: 65 Resp: 68696

Ion Ratio Lower Upper

65 100

67 50.9 0.0 102.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX032022.D

Acq: 10 Oct 2022 19:00

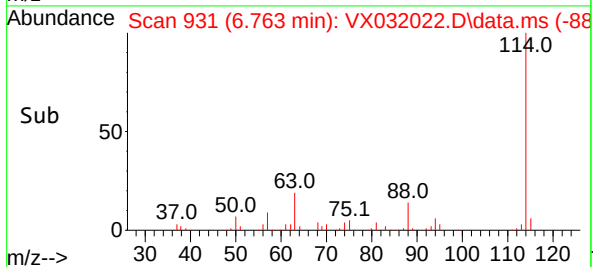
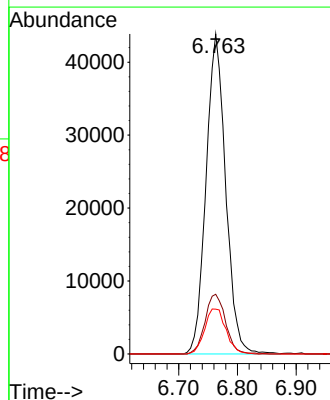
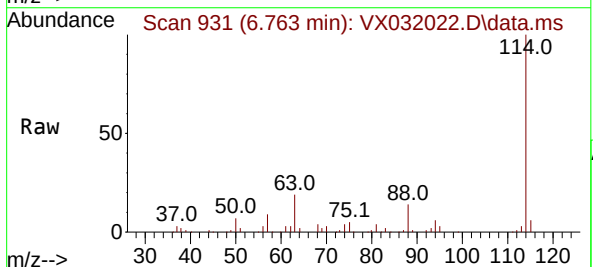
Tgt Ion: 114 Resp: 101739

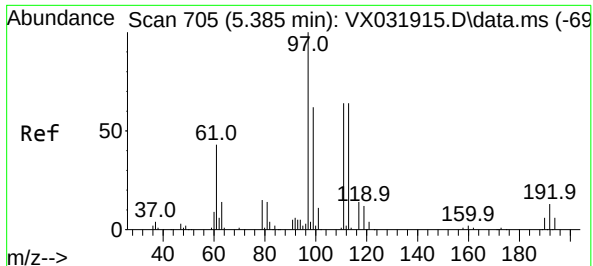
Ion Ratio Lower Upper

114 100

63 18.7 0.0 42.6

88 14.0 0.0 33.0





#35

Dibromofluoromethane

Concen: 48.326 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.000 min

Lab File: VX032022.D

Acq: 10 Oct 2022 19:00

Instrument :

MSVOA_X

ClientSampleId :

MW-5R

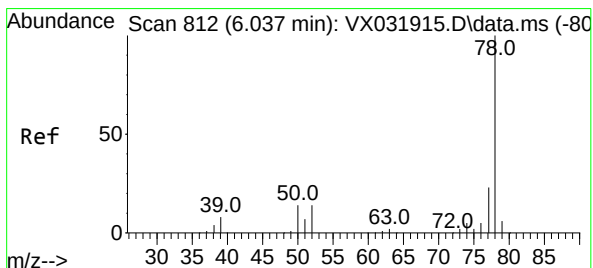
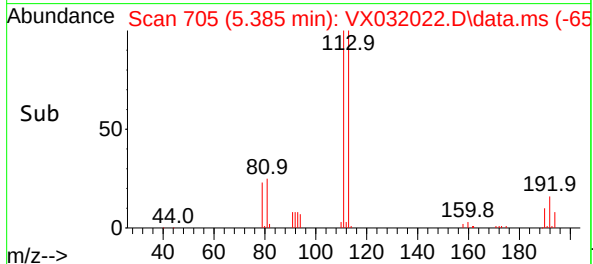
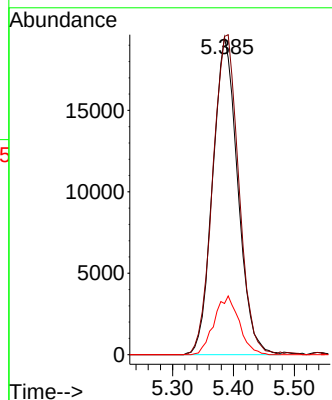
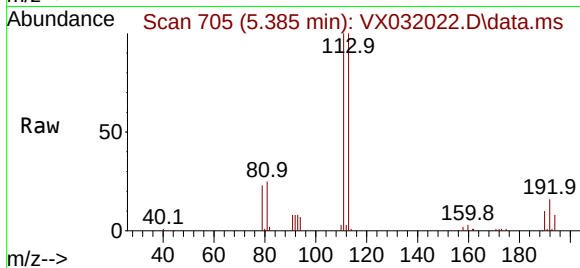
Tgt Ion:113 Resp: 55653

Ion Ratio Lower Upper

113 100

111 104.1 82.4 123.6

192 18.4 14.1 21.1



#40

Benzene

Concen: 5.610 ug/l

RT: 6.037 min Scan# 812

Delta R.T. 0.000 min

Lab File: VX032022.D

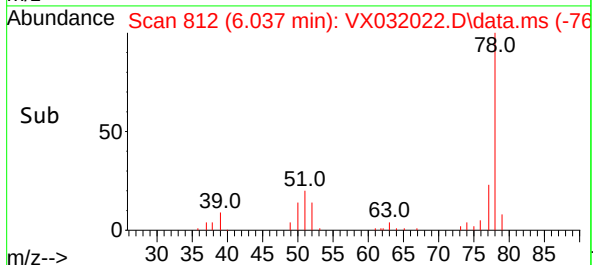
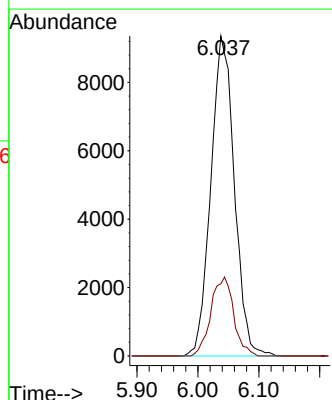
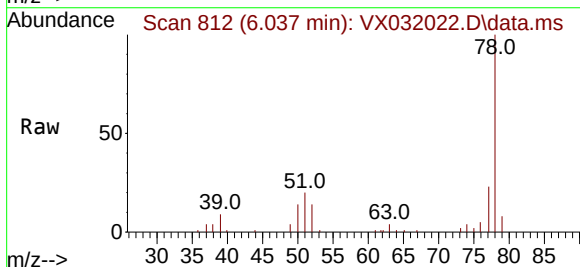
Acq: 10 Oct 2022 19:00

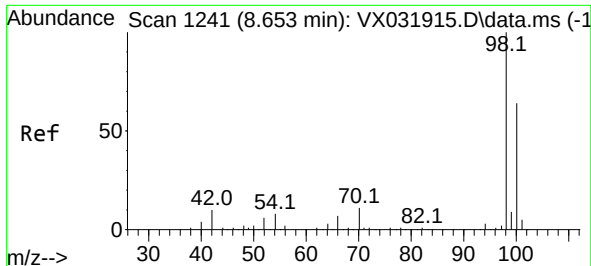
Tgt Ion: 78 Resp: 25088

Ion Ratio Lower Upper

78 100

77 22.6 18.7 28.1





#50

Toluene-d8

Concen: 49.652 ug/l

RT: 8.647 min Scan# 1

Delta R.T. -0.006 min

Lab File: VX032022.D

Acq: 10 Oct 2022 19:00

Instrument :

MSVOA_X

ClientSampleId :

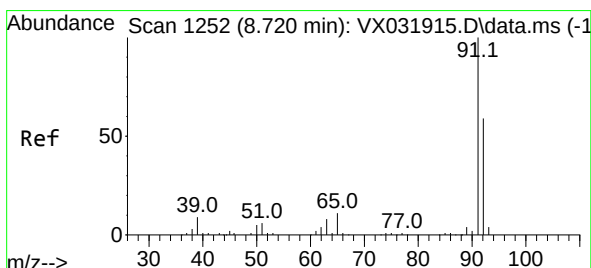
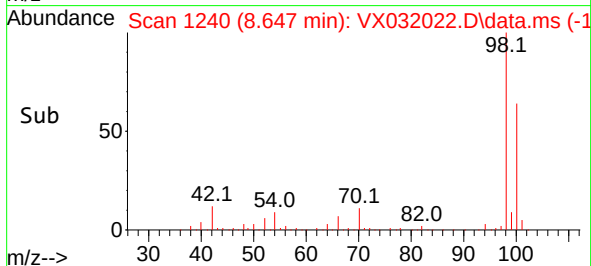
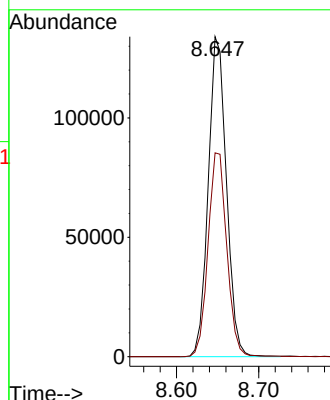
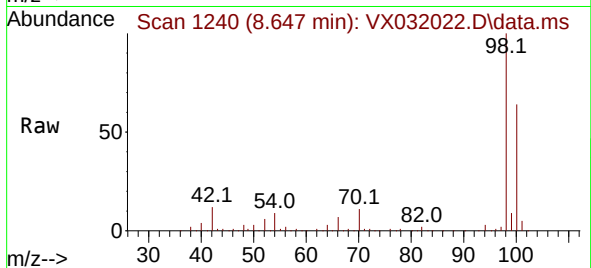
MW-5R

Tgt Ion: 98 Resp: 205756

Ion Ratio Lower Upper

98 100

100 65.7 52.5 78.7



#52

Toluene

Concen: 0.516 ug/l

RT: 8.720 min Scan# 1252

Delta R.T. -0.000 min

Lab File: VX032022.D

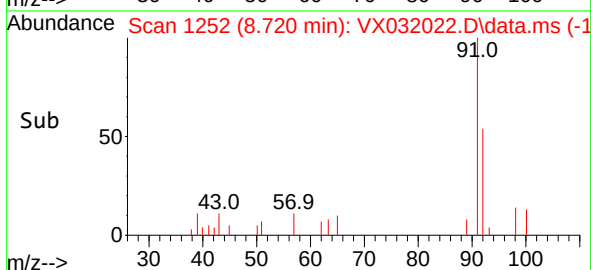
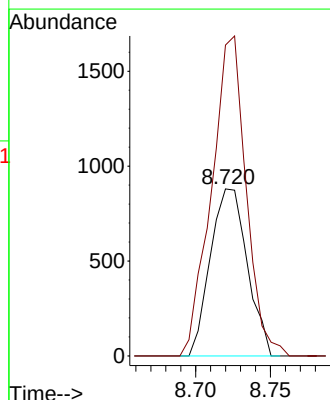
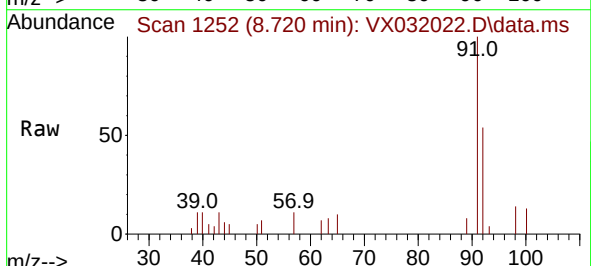
Acq: 10 Oct 2022 19:00

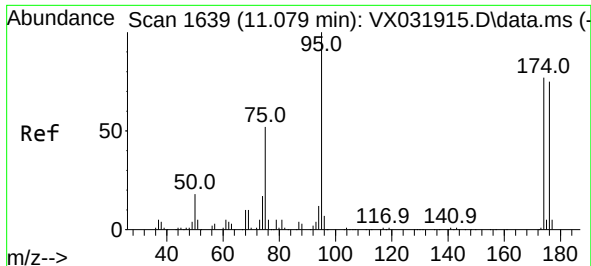
Tgt Ion: 92 Resp: 1509

Ion Ratio Lower Upper

92 100

91 179.9 137.1 205.7





#62

4-Bromofluorobenzene

Concen: 45.941 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX032022.D

Acq: 10 Oct 2022 19:00

Instrument :

MSVOA_X

ClientSampleId :

MW-5R

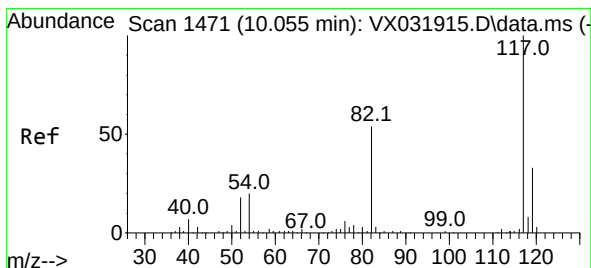
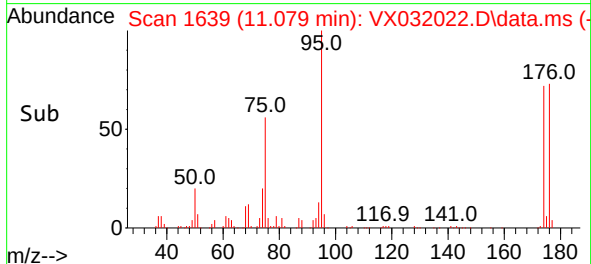
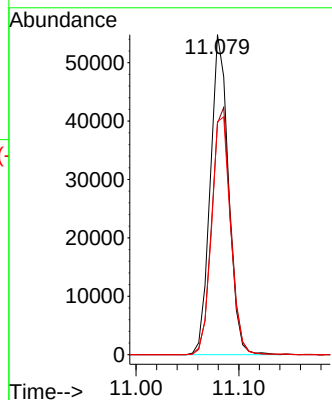
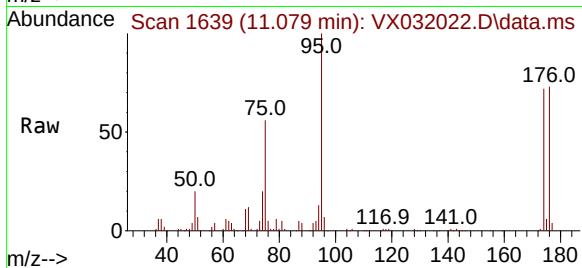
Tgt Ion: 95 Resp: 67303

Ion Ratio Lower Upper

95 100

174 80.2 0.0 153.2

176 77.8 0.0 144.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX032022.D

Acq: 10 Oct 2022 19:00

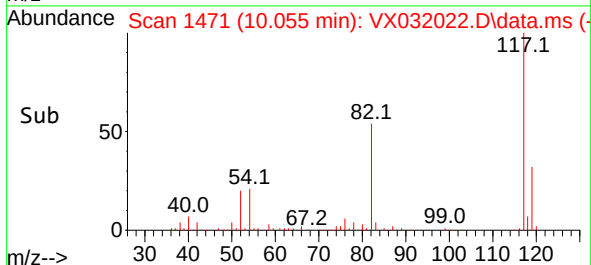
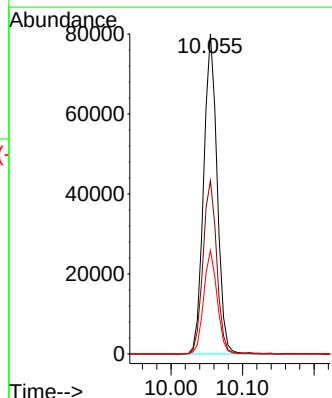
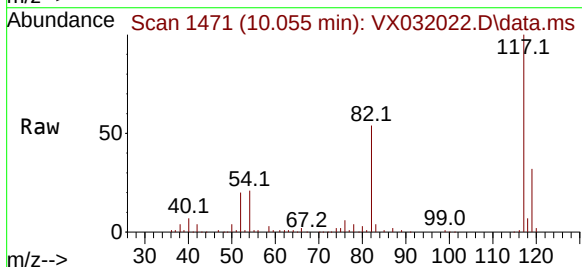
Tgt Ion: 117 Resp: 105040

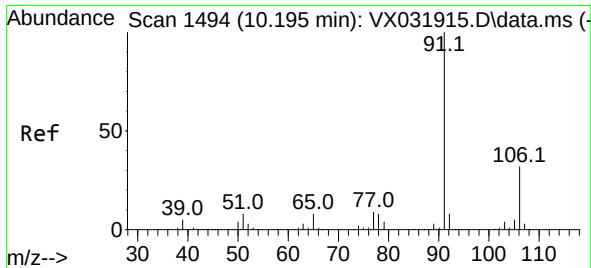
Ion Ratio Lower Upper

117 100

82 54.2 46.8 70.2

119 32.4 26.4 39.6

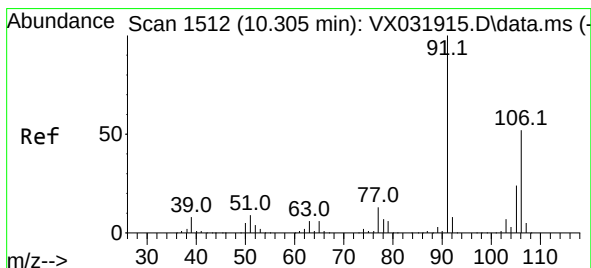
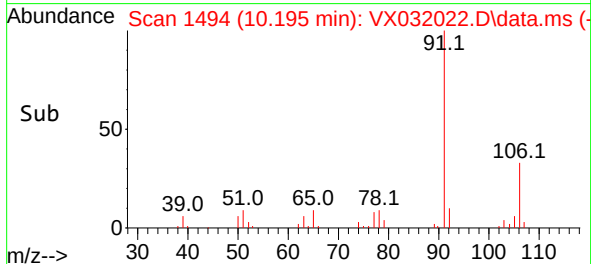
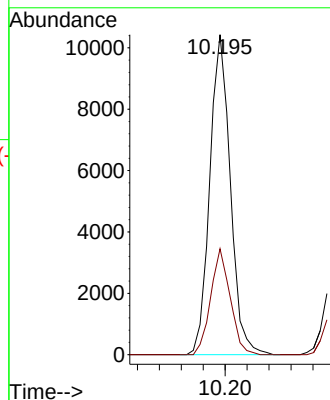
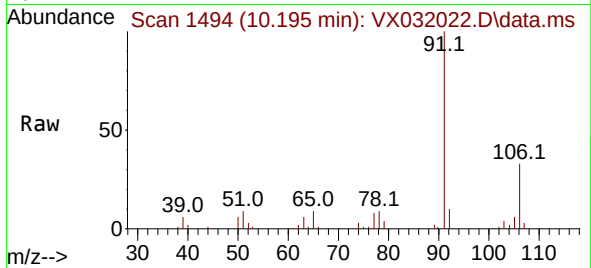




#67
Ethyl Benzene
Concen: 2.517 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX032022.D
Acq: 10 Oct 2022 19:00

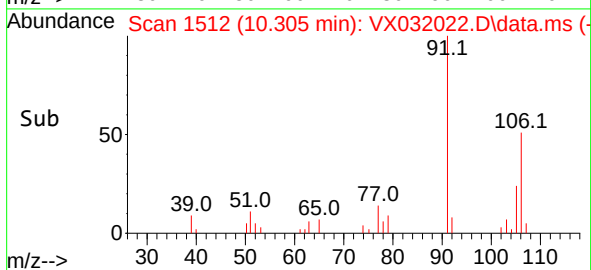
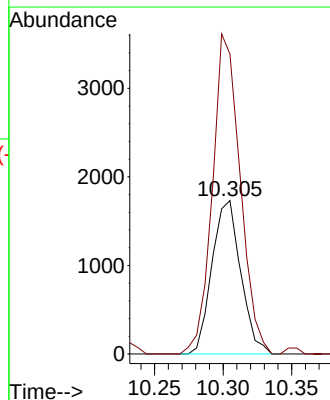
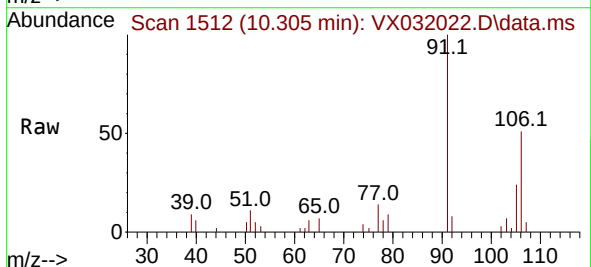
Instrument :
MSVOA_X
ClientSampleId :
MW-5R

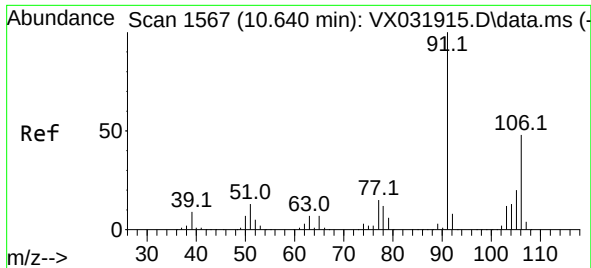
Tgt Ion: 91 Resp: 13553
Ion Ratio Lower Upper
91 100
106 33.1 25.2 37.8



#68
m/p-Xylenes
Concen: 1.179 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. -0.000 min
Lab File: VX032022.D
Acq: 10 Oct 2022 19:00

Tgt Ion: 106 Resp: 2523
Ion Ratio Lower Upper
106 100
91 201.9 161.0 241.4

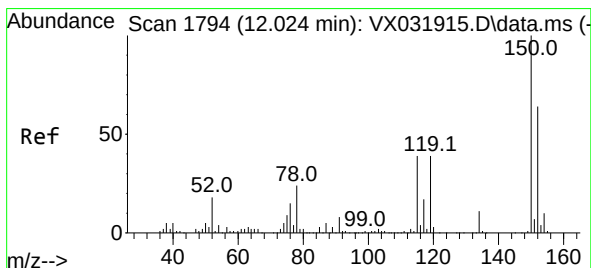
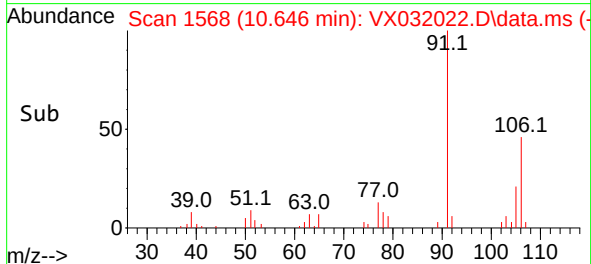
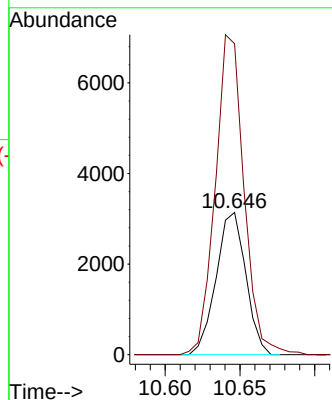
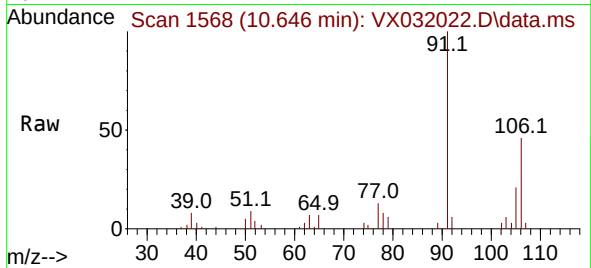




#69
o-Xylene
Concen: 2.084 ug/l
RT: 10.646 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX032022.D
Acq: 10 Oct 2022 19:00

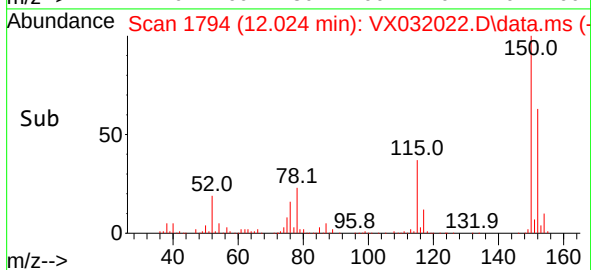
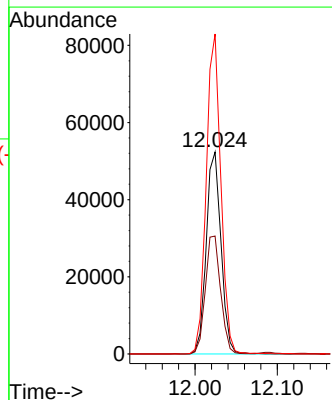
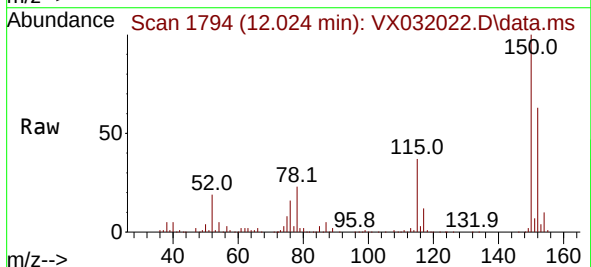
Instrument :
MSVOA_X
ClientSampleId :
MW-5R

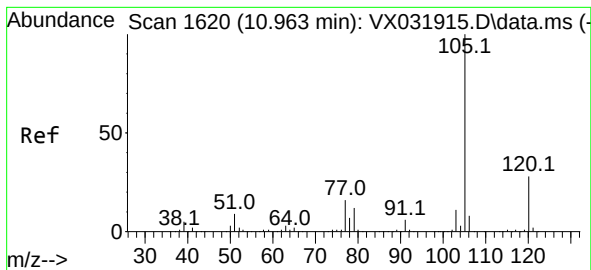
Tgt Ion:106 Resp: 4335
Ion Ratio Lower Upper
106 100
91 217.9 107.2 321.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX032022.D
Acq: 10 Oct 2022 19:00

Tgt Ion:152 Resp: 65242
Ion Ratio Lower Upper
152 100
115 60.5 43.4 130.1
150 156.7 0.0 346.8





#73

Isopropylbenzene

Concen: 1.114 ug/l

RT: 10.963 min Scan# 1620

Delta R.T. 0.000 min

Lab File: VX032022.D

Acq: 10 Oct 2022 19:00

Instrument :

MSVOA_X

ClientSampleId :

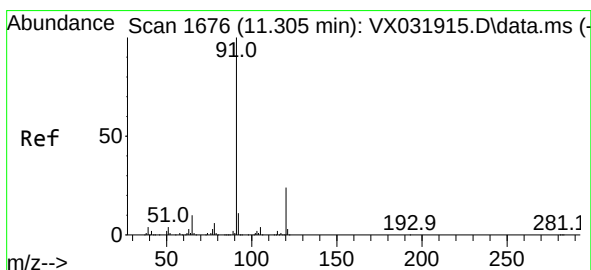
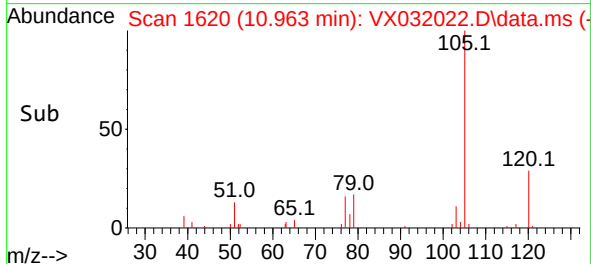
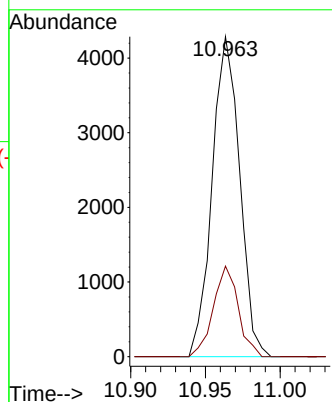
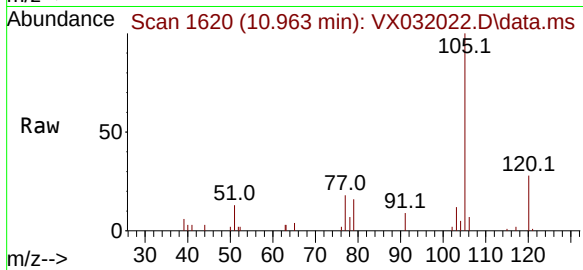
MW-5R

Tgt Ion:105 Resp: 5481

Ion Ratio Lower Upper

105 100

120 25.6 13.7 41.0



#78

n-propylbenzene

Concen: 0.252 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. -0.000 min

Lab File: VX032022.D

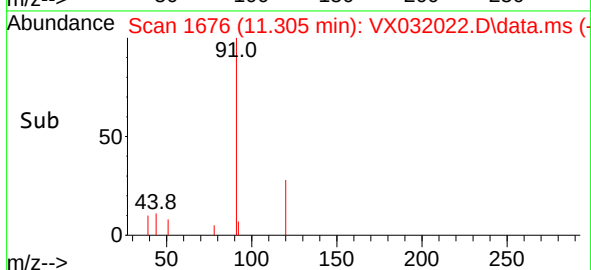
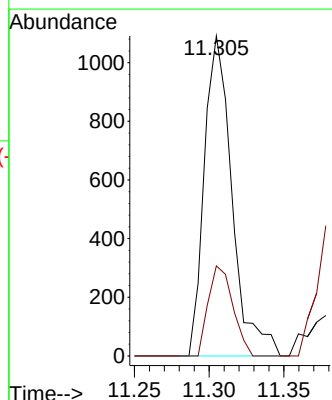
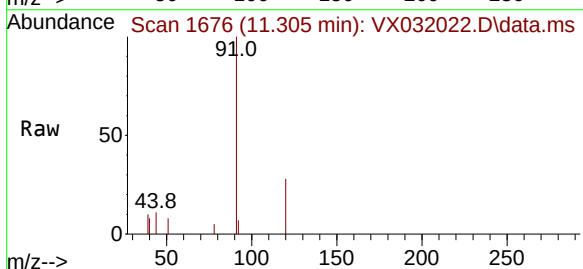
Acq: 10 Oct 2022 19:00

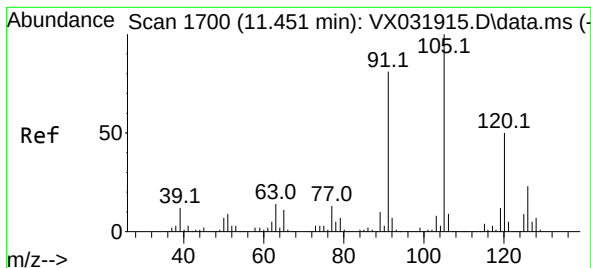
Tgt Ion: 91 Resp: 1408

Ion Ratio Lower Upper

91 100

120 24.9 11.8 35.4





#80

1,3,5-Trimethylbenzene

Concen: 0.527 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX032022.D

Acq: 10 Oct 2022 19:00

Instrument :

MSVOA_X

ClientSampleId :

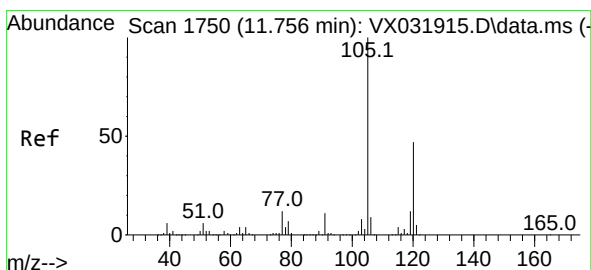
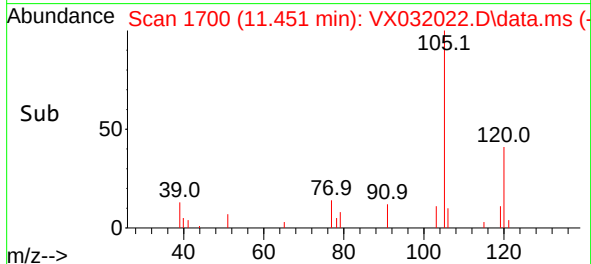
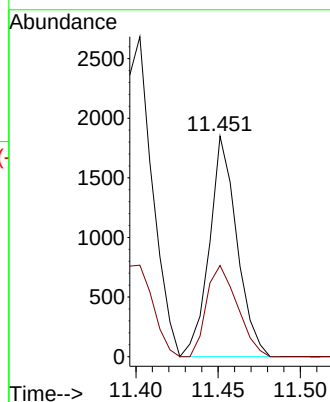
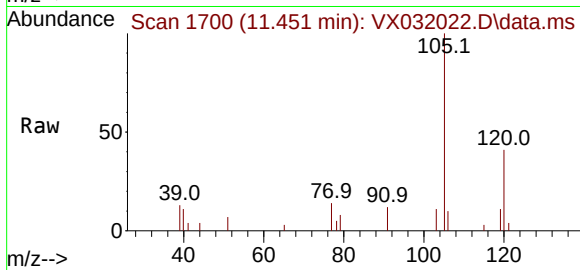
MW-5R

Tgt Ion:105 Resp: 2151

Ion Ratio Lower Upper

105 100

120 46.4 24.5 73.5



#84

1,2,4-Trimethylbenzene

Concen: 2.582 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. -0.006 min

Lab File: VX032022.D

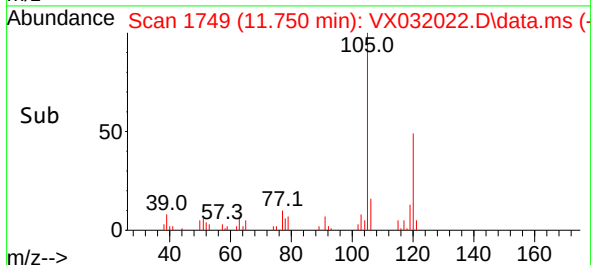
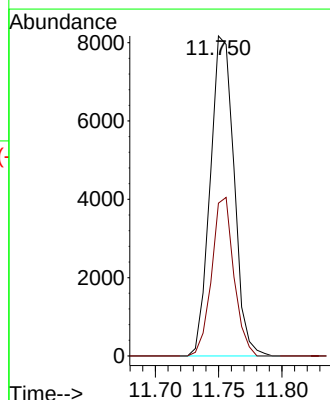
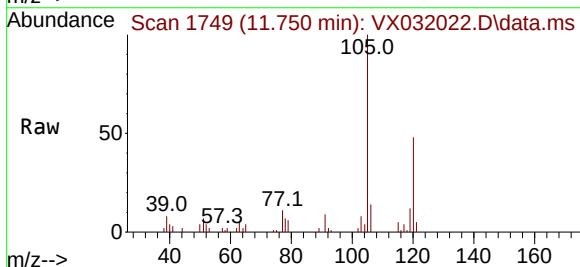
Acq: 10 Oct 2022 19:00

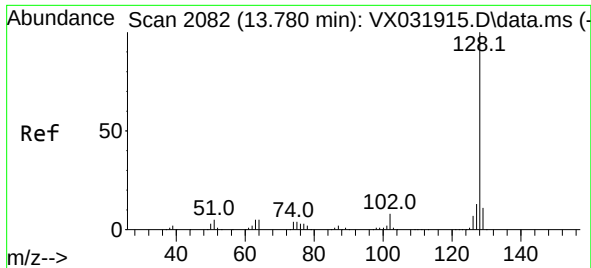
Tgt Ion:105 Resp: 10706

Ion Ratio Lower Upper

105 100

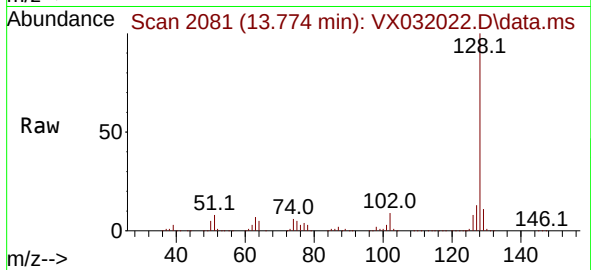
120 46.1 22.6 67.8





#95
Naphthalene
Concen: 136.154 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.006 min
Lab File: VX032022.D
Acq: 10 Oct 2022 19:00

Instrument :
MSVOA_X
ClientSampleId :
MW-5R



Tgt Ion:128 Resp: 649750
Ion Ratio Lower Upper
128 100
127 13.0 10.4 15.6
129 11.0 8.8 13.2

