

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112322\
 Data File : VX033038.D
 Acq On : 24 Nov 2022 04:55
 Operator : JC/MD
 Sample : N5741-11
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-22

Quant Time: Nov 24 05:20:12 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112222W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 22 13:58:46 2022
 Response via : Initial Calibration

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

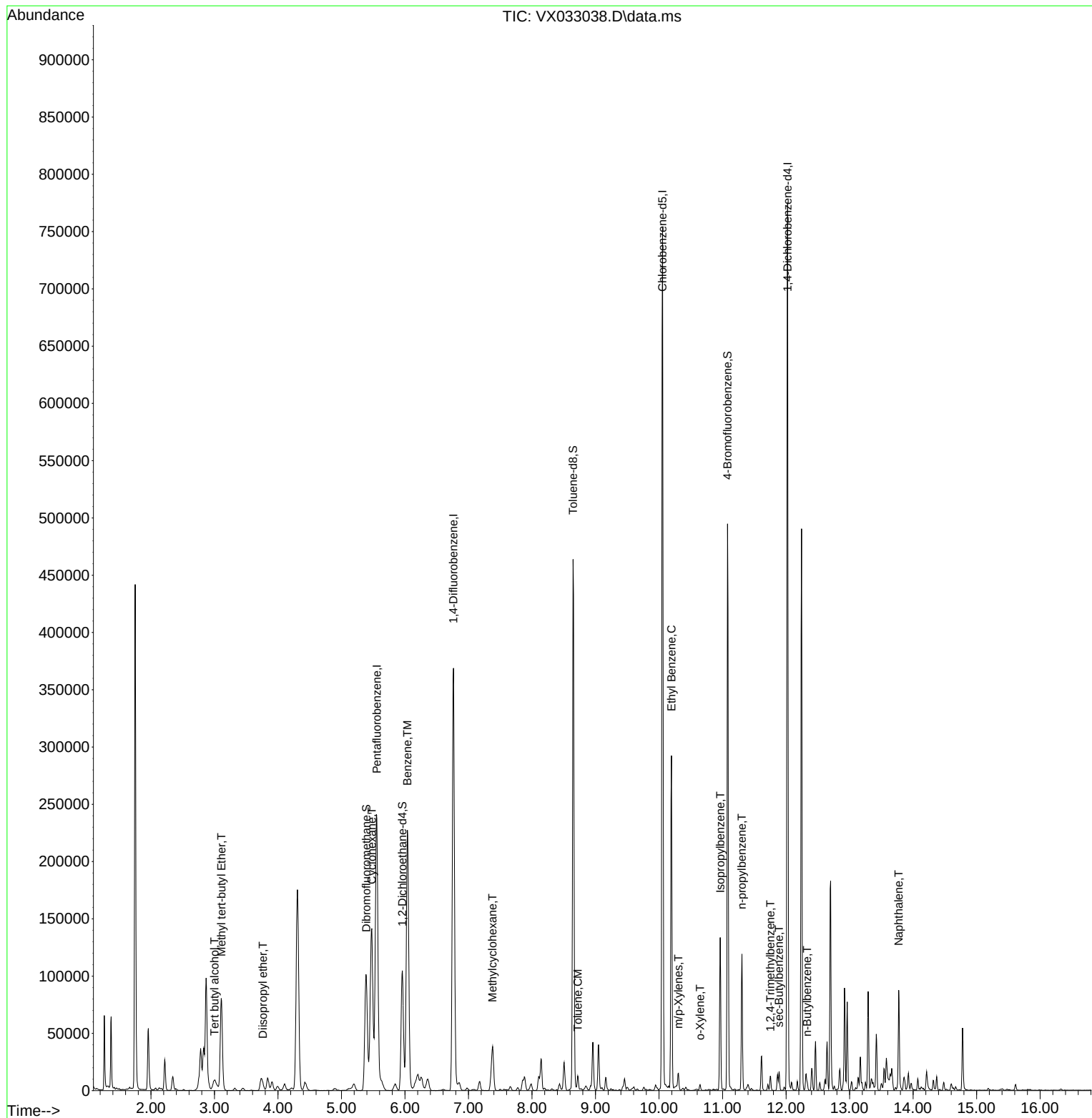
Internal Standards						
1) Pentafluorobenzene	5.556	168	227796	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	371437	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	332792	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	157808	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	105149	47.054	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	94.100%		
35) Dibromofluoromethane	5.391	113	88531	42.278	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	84.560%		
50) Toluene-d8	8.647	98	271721	42.817	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	85.640%#		
62) 4-Bromofluorobenzene	11.079	95	122695	44.605	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	89.200%		
Target Compounds						Qvalue
11) Tert butyl alcohol	3.001	59	22292	63.391	ug/l	97
19) Methyl tert-butyl Ether	3.111	73	46314	6.718	ug/l #	1
22) Diisopropyl ether	3.764	45	5369	0.768	ug/l #	83
31) Cyclohexane	5.477	56	96428	26.827	ug/l	92
39) Methylcyclohexane	7.379	83	16056	4.203	ug/l	91
40) Benzene	6.038	78	274277	29.216	ug/l	98
52) Toluene	8.720	92	4745	0.768	ug/l	97
67) Ethyl Benzene	10.195	91	165308	14.045	ug/l	100
68) m/p-Xylenes	10.305	106	3404	0.739	ug/l	98
69) o-Xylene	10.646	106	1033	0.232	ug/l	95
73) Isopropylbenzene	10.963	105	66469	5.894	ug/l	100
78) n-propylbenzene	11.305	91	70544	5.471	ug/l	99
84) 1,2,4-Trimethylbenzene	11.756	105	6076	0.643	ug/l	100
85) sec-Butylbenzene	11.890	105	8249	0.731	ug/l	99
89) n-Butylbenzene	12.329	91	3974	0.483	ug/l #	70
95) Naphthalene	13.774	128	53377	5.290	ug/l	99

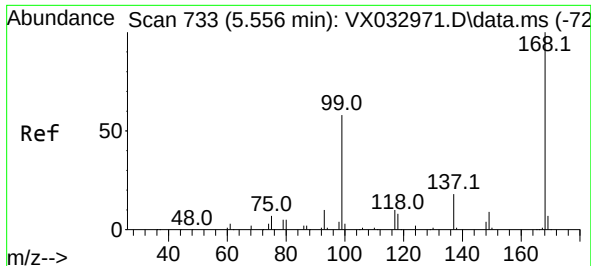
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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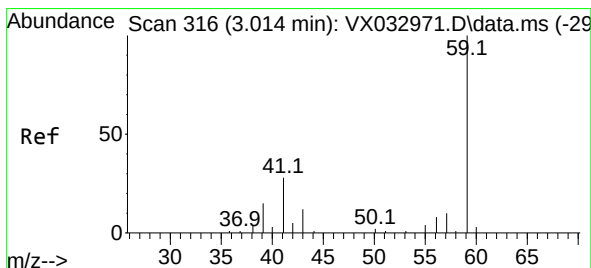
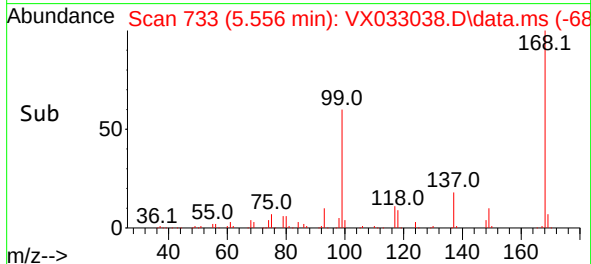
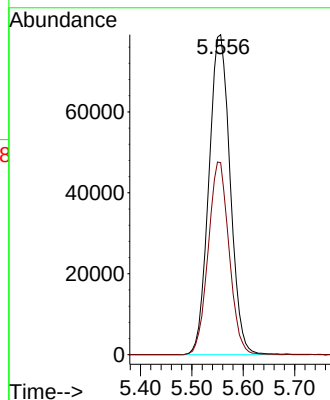
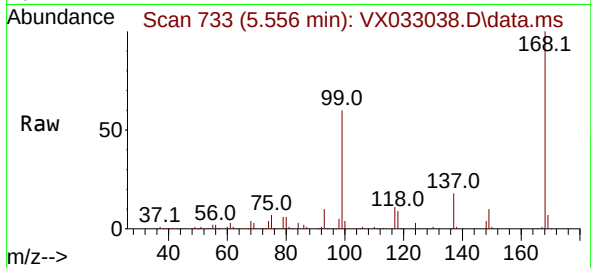




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX033038.D
Acq: 24 Nov 2022 04:55

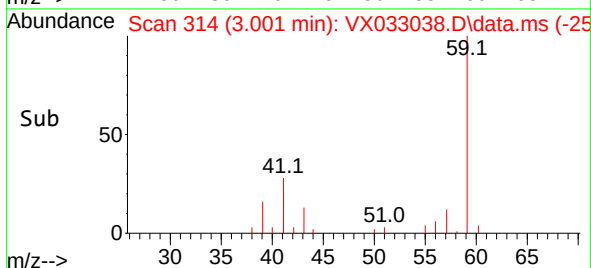
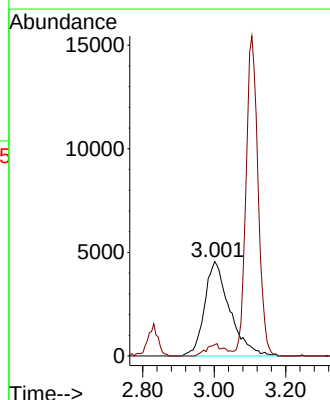
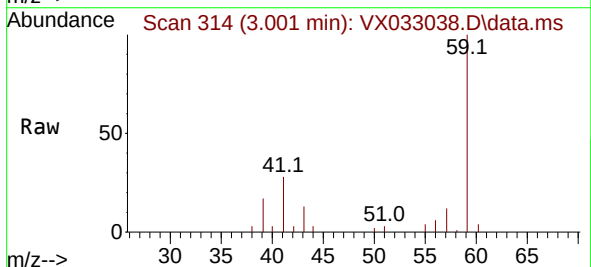
Instrument :
MSVOA_X
ClientSampleId :
MW-22

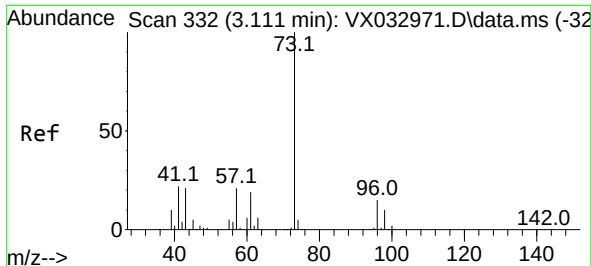
Tgt Ion:168 Resp: 227796
Ion Ratio Lower Upper
168 100
99 60.0 46.1 69.1



#11
Tert butyl alcohol
Concen: 63.391 ug/l
RT: 3.001 min Scan# 314
Delta R.T. 0.036 min
Lab File: VX033038.D
Acq: 24 Nov 2022 04:55

Tgt Ion: 59 Resp: 22292
Ion Ratio Lower Upper
59 100
57 9.2 8.2 12.4

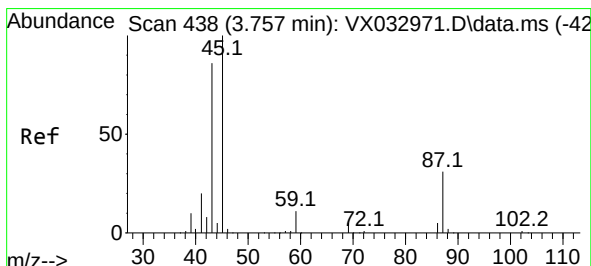
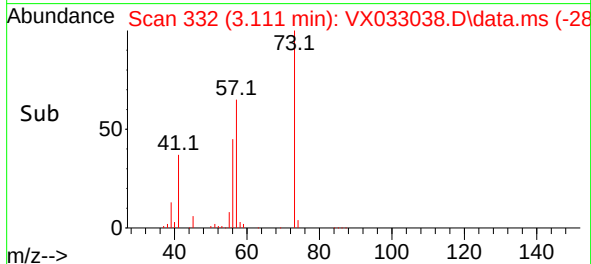
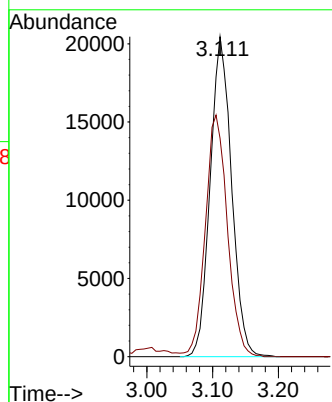
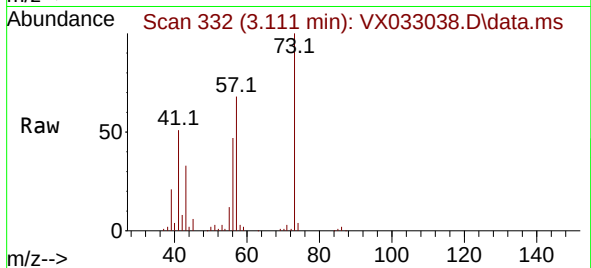




#19
Methyl tert-butyl Ether
Concen: 6.718 ug/l
RT: 3.111 min Scan# 311
Delta R.T. 0.000 min
Lab File: VX033038.D
Acq: 24 Nov 2022 04:55

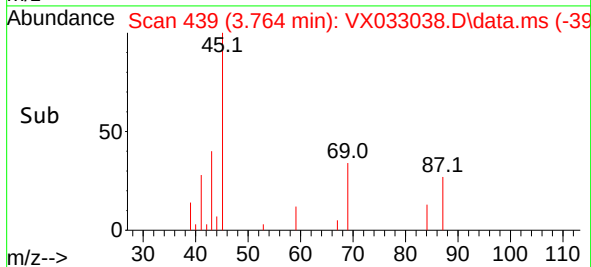
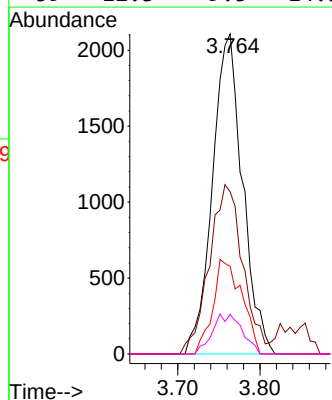
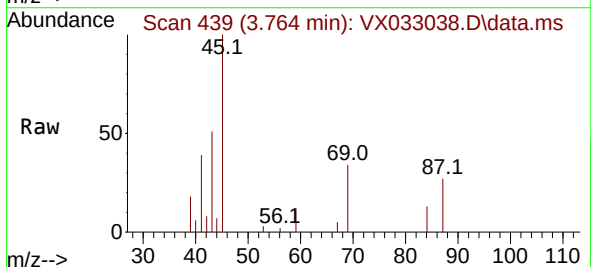
Instrument :
MSVOA_X
ClientSampleId :
MW-22

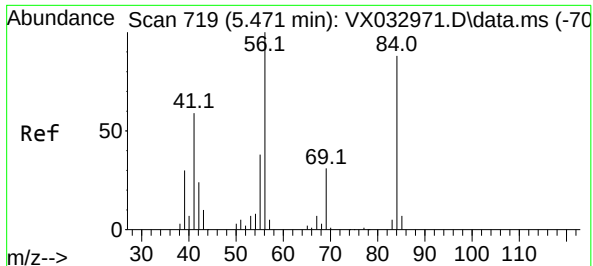
Tgt Ion: 73 Resp: 46314
Ion Ratio Lower Upper
73 100
57 68.3 16.6 25.0#



#22
Diisopropyl ether
Concen: 0.768 ug/l
RT: 3.764 min Scan# 439
Delta R.T. 0.001 min
Lab File: VX033038.D
Acq: 24 Nov 2022 04:55

Tgt Ion: 45 Resp: 5369
Ion Ratio Lower Upper
45 100
43 50.6 56.4 84.6#
87 27.4 24.4 36.6
59 12.3 9.5 14.3

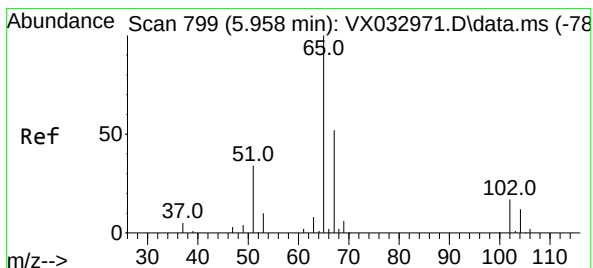
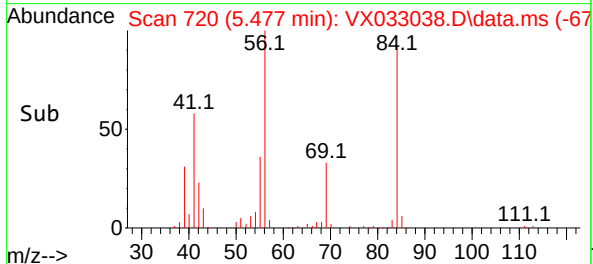
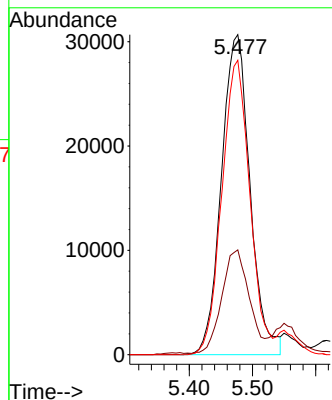
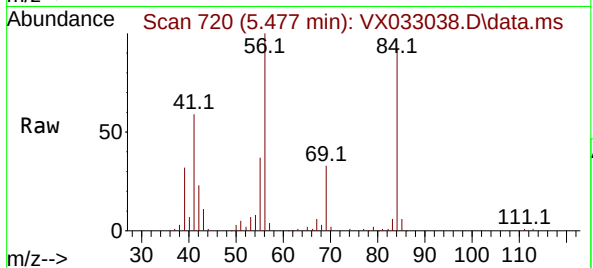




#31
Cyclohexane
Concen: 26.827 ug/l
RT: 5.477 min Scan# 719
Delta R.T. 0.007 min
Lab File: VX033038.D
Acq: 24 Nov 2022 04:55

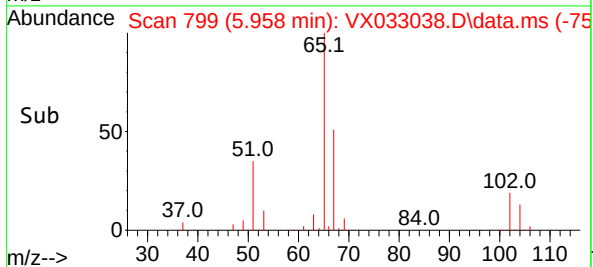
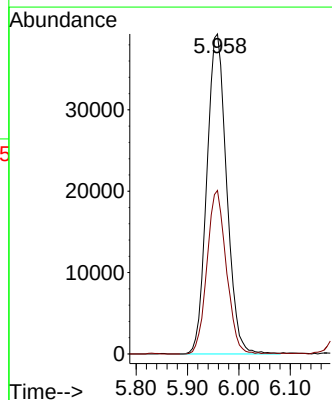
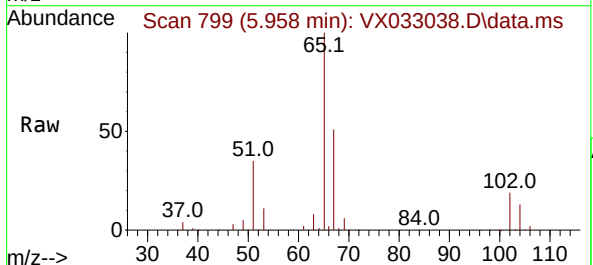
Instrument :
MSVOA_X
ClientSampleId :
MW-22

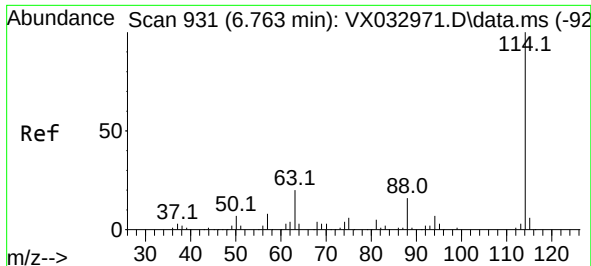
Tgt Ion: 56 Resp: 96428
Ion Ratio Lower Upper
56 100
69 32.1 24.1 36.1
84 92.0 66.9 100.3



#33
1,2-Dichloroethane-d4
Concen: 47.054 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX033038.D
Acq: 24 Nov 2022 04:55

Tgt Ion: 65 Resp: 105149
Ion Ratio Lower Upper
65 100
67 50.1 0.0 101.8

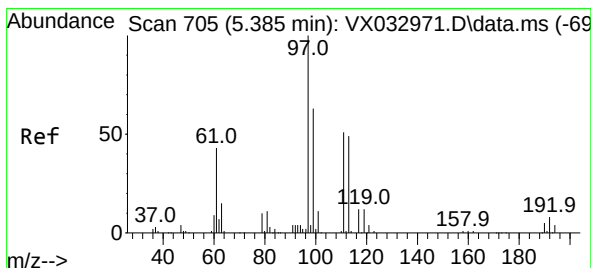
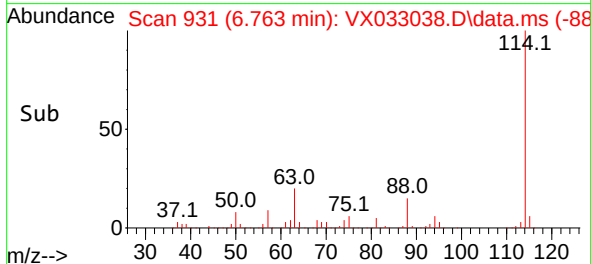
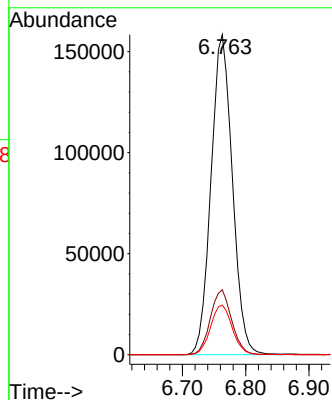
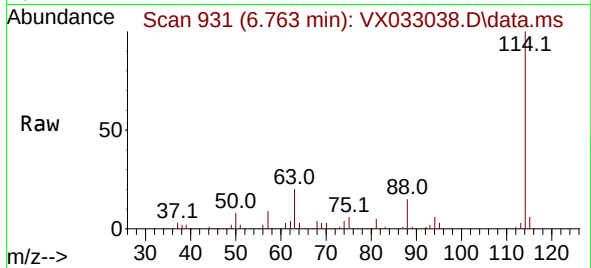




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX033038.D
Acq: 24 Nov 2022 04:55

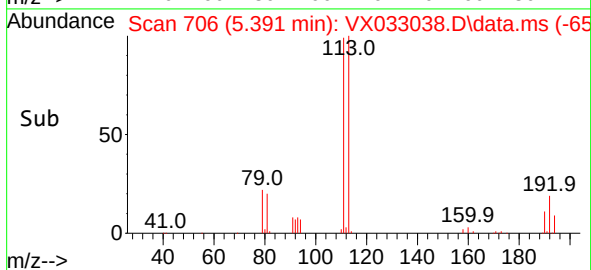
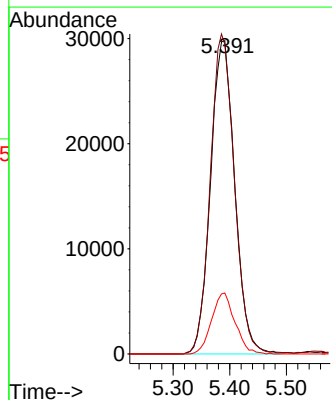
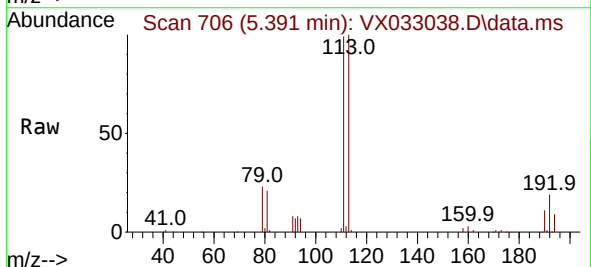
Instrument :
MSVOA_X
ClientSampleId :
MW-22

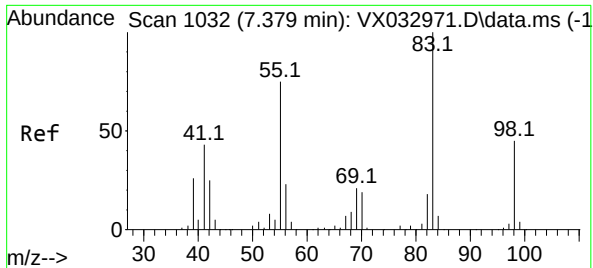
Tgt Ion:114 Resp: 371437
Ion Ratio Lower Upper
114 100
63 20.3 0.0 41.6
88 15.5 0.0 33.4



#35
Dibromofluoromethane
Concen: 42.278 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX033038.D
Acq: 24 Nov 2022 04:55

Tgt Ion:113 Resp: 88531
Ion Ratio Lower Upper
113 100
111 101.4 82.4 123.6
192 18.7 15.4 23.2





#39

Methylcyclohexane

Concen: 4.203 ug/l

RT: 7.379 min Scan# 1

Delta R.T. -0.006 min

Lab File: VX033038.D

Acq: 24 Nov 2022 04:55

Instrument :

MSVOA_X

ClientSampleId :

MW-22

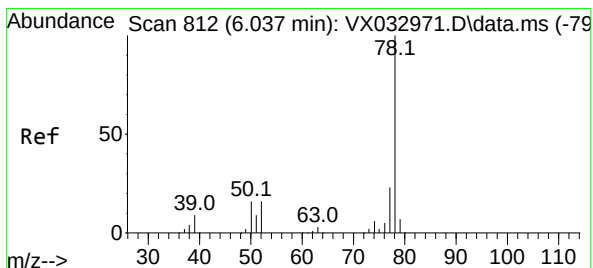
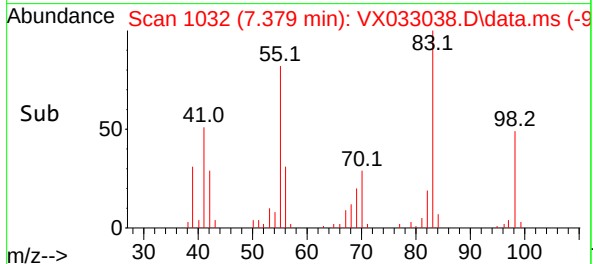
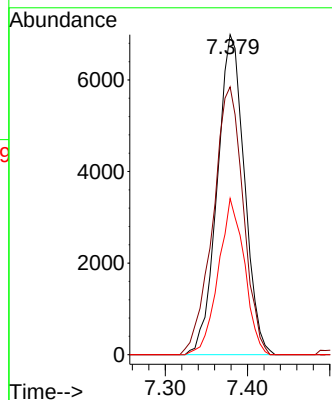
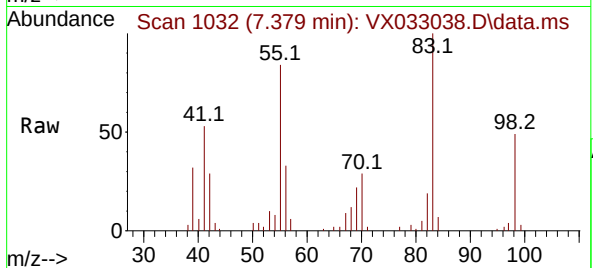
Tgt Ion: 83 Resp: 16056

Ion Ratio Lower Upper

83 100

55 83.7 58.4 87.6

98 48.8 37.2 55.8



#40

Benzene

Concen: 29.216 ug/l

RT: 6.038 min Scan# 812

Delta R.T. 0.001 min

Lab File: VX033038.D

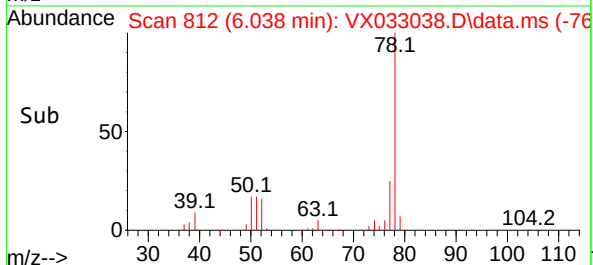
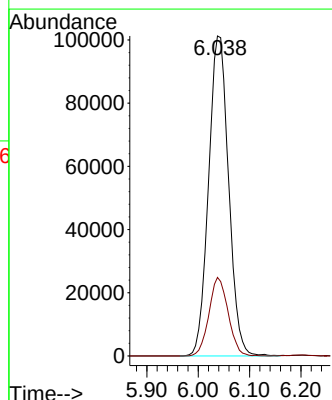
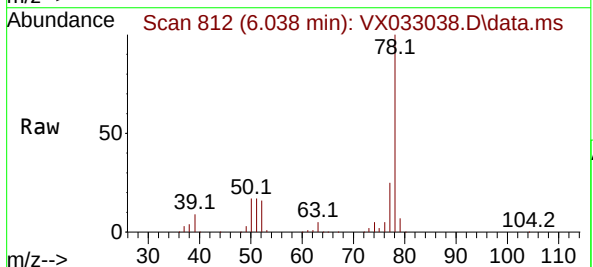
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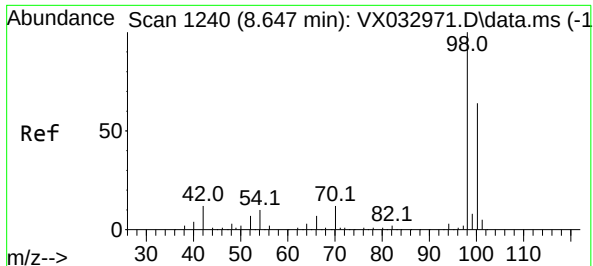
Tgt Ion: 78 Resp: 274277

Ion Ratio Lower Upper

78 100

77 24.5 19.0 28.4





#50

Toluene-d8

Concen: 42.817 ug/l

RT: 8.647 min Scan# 11

Delta R.T. -0.006 min

Lab File: VX033038.D

Acq: 24 Nov 2022 04:55

Instrument :

MSVOA_X

ClientSampleId :

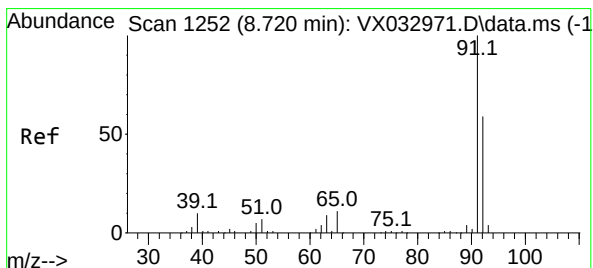
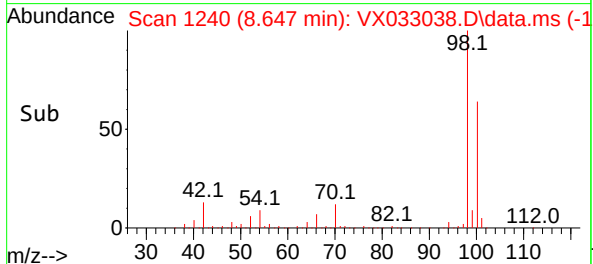
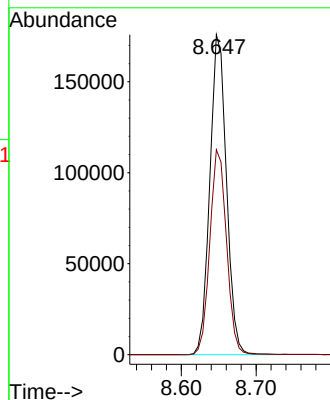
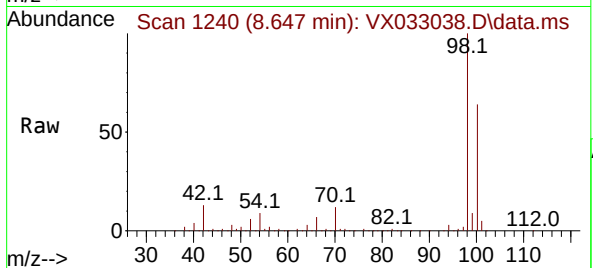
MW-22

Tgt Ion: 98 Resp: 271721

Ion Ratio Lower Upper

98 100

100 64.5 50.9 76.3



#52

Toluene

Concen: 0.768 ug/l

RT: 8.720 min Scan# 1252

Delta R.T. -0.000 min

Lab File: VX033038.D

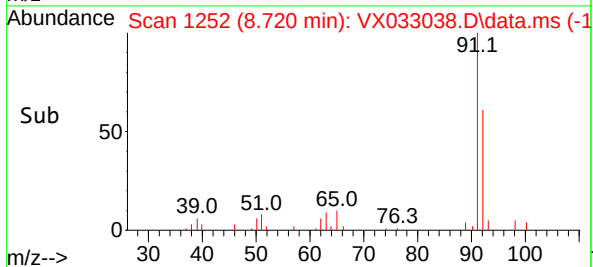
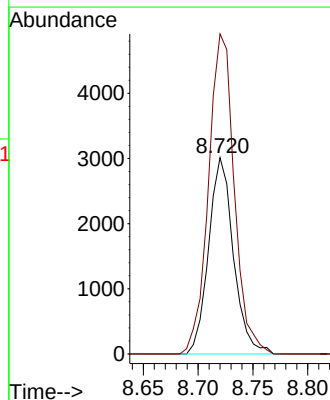
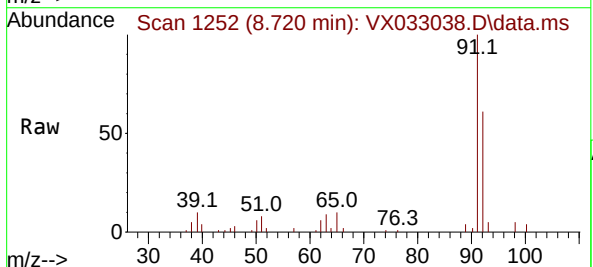
Acq: 24 Nov 2022 04:55

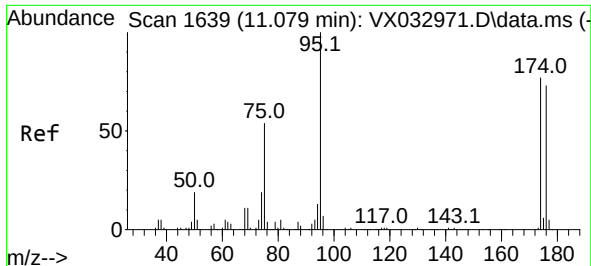
Tgt Ion: 92 Resp: 4745

Ion Ratio Lower Upper

92 100

91 169.4 138.3 207.5





#62

4-Bromofluorobenzene

Concen: 44.605 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX033038.D

Acq: 24 Nov 2022 04:55

Instrument :

MSVOA_X

ClientSampleId :

MW-22

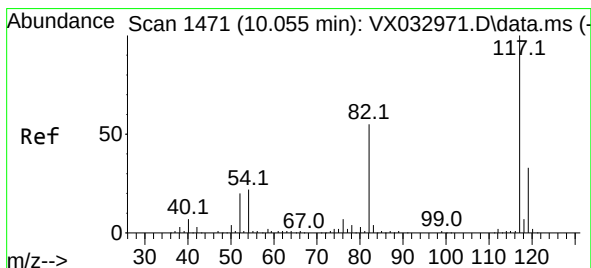
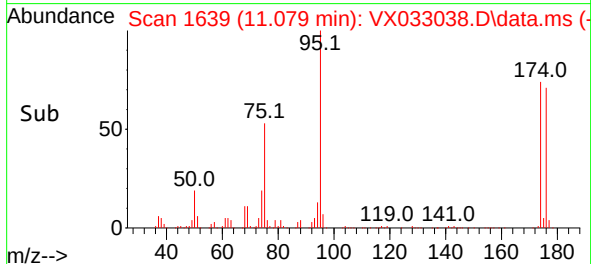
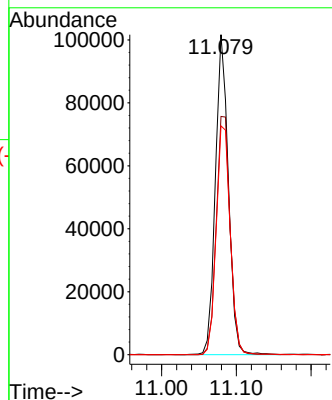
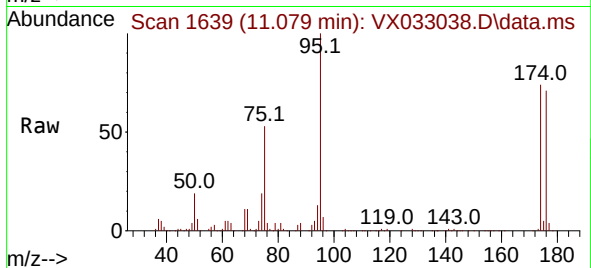
Tgt Ion: 95 Resp: 122695

Ion Ratio Lower Upper

95 100

174 79.8 0.0 164.0

176 77.2 0.0 154.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX033038.D

Acq: 24 Nov 2022 04:55

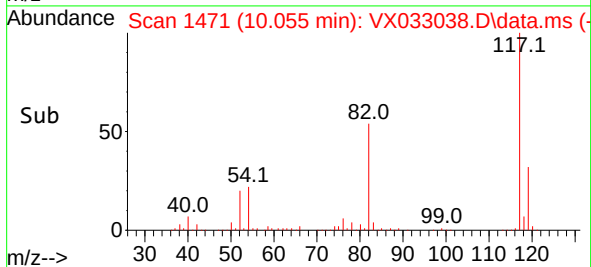
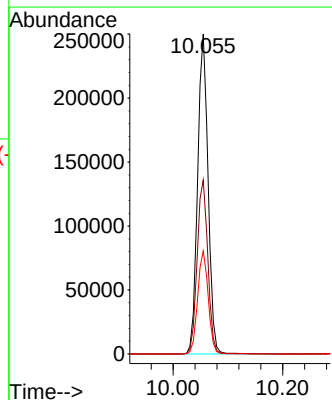
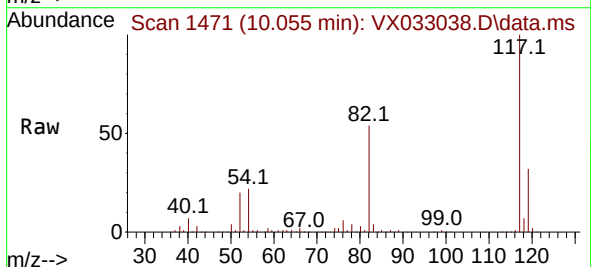
Tgt Ion: 117 Resp: 332792

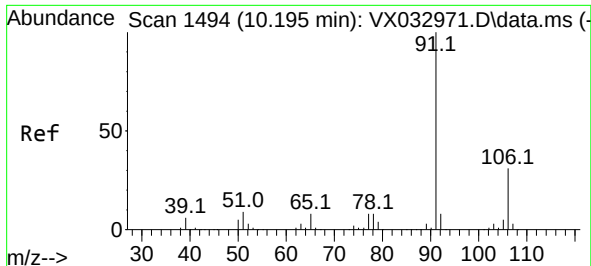
Ion Ratio Lower Upper

117 100

82 54.4 44.3 66.5

119 32.1 25.7 38.5

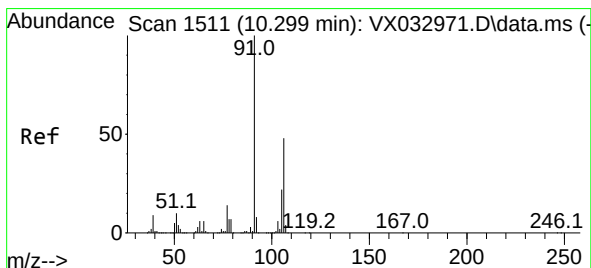
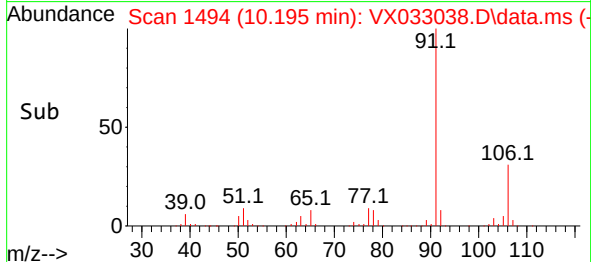
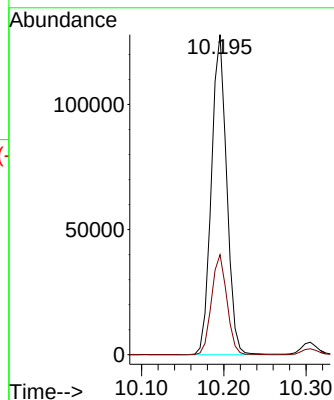
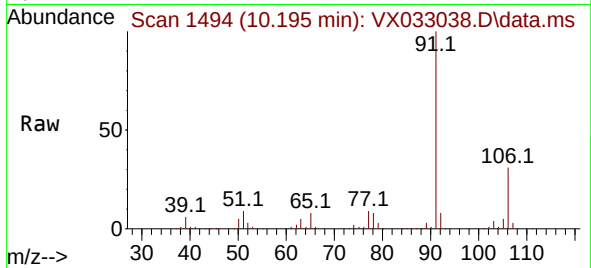




#67
Ethyl Benzene
Concen: 14.045 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX033038.D
Acq: 24 Nov 2022 04:55

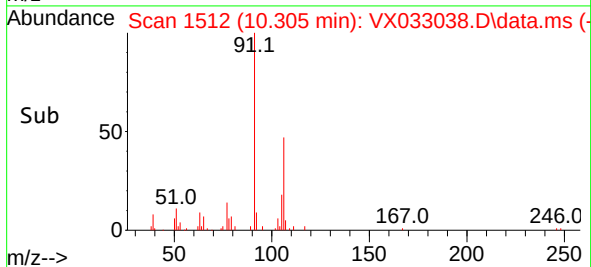
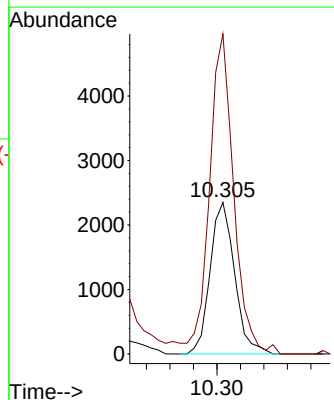
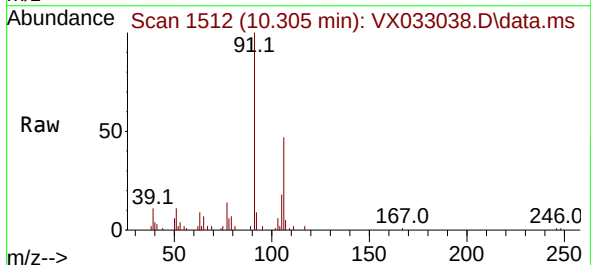
Instrument :
MSVOA_X
ClientSampleId :
MW-22

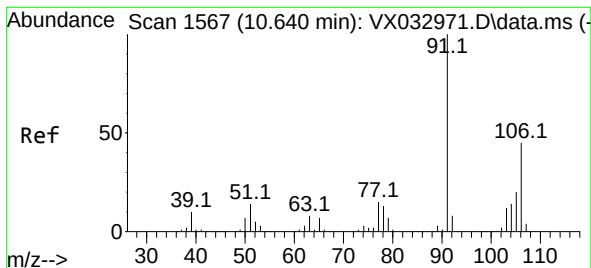
Tgt Ion: 91 Resp: 165308
Ion Ratio Lower Upper
91 100
106 31.2 25.0 37.6



#68
m/p-Xylenes
Concen: 0.739 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.000 min
Lab File: VX033038.D
Acq: 24 Nov 2022 04:55

Tgt Ion: 106 Resp: 3404
Ion Ratio Lower Upper
106 100
91 209.2 164.5 246.7





#69

o-Xylene

Concen: 0.232 ug/l

RT: 10.646 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX033038.D

Acq: 24 Nov 2022 04:55

Instrument :

MSVOA_X

ClientSampleId :

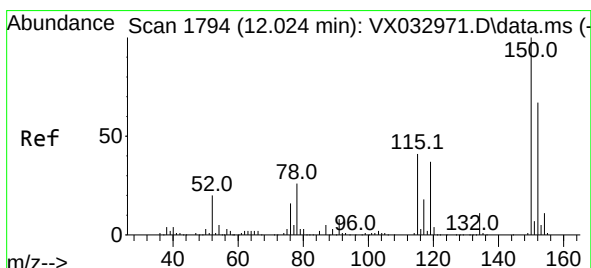
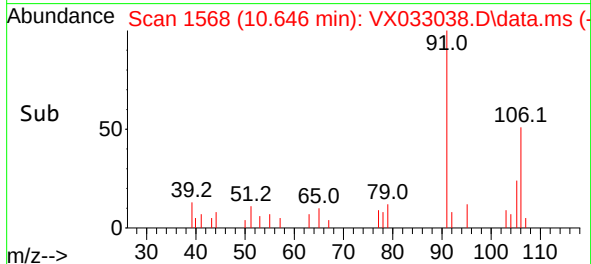
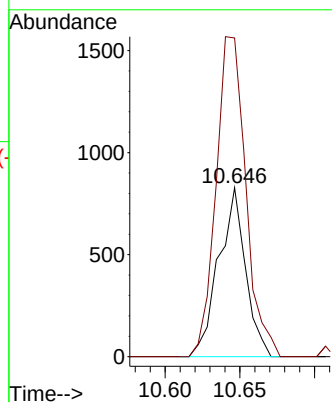
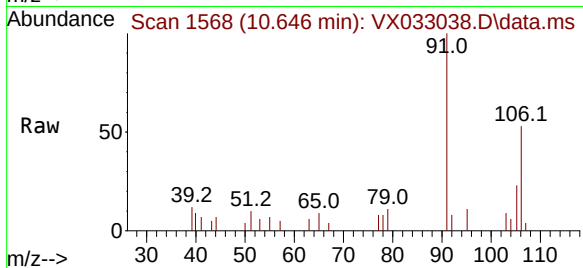
MW-22

Tgt Ion:106 Resp: 1033

Ion Ratio Lower Upper

106 100

91 210.6 109.2 327.6



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. 0.000 min

Lab File: VX033038.D

Acq: 24 Nov 2022 04:55

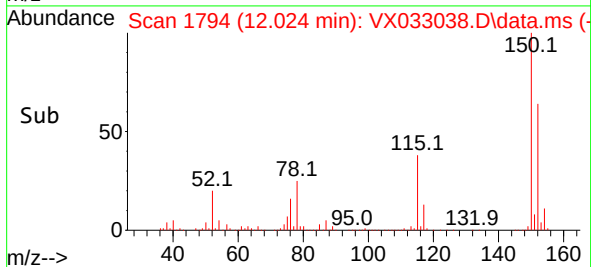
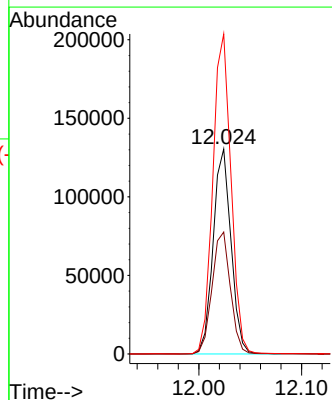
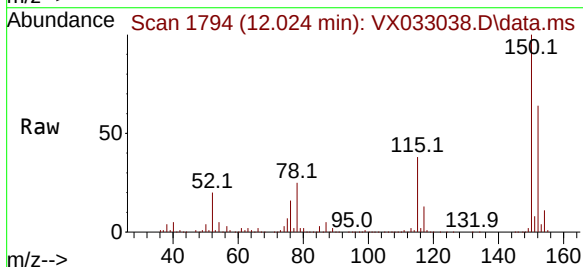
Tgt Ion:152 Resp: 157808

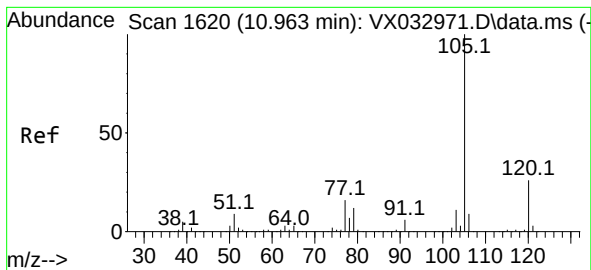
Ion Ratio Lower Upper

152 100

115 61.1 44.0 132.0

150 158.9 0.0 351.8





#73

Isopropylbenzene

Concen: 5.894 ug/l

RT: 10.963 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX033038.D

Acq: 24 Nov 2022 04:55

Instrument :

MSVOA_X

ClientSampleId :

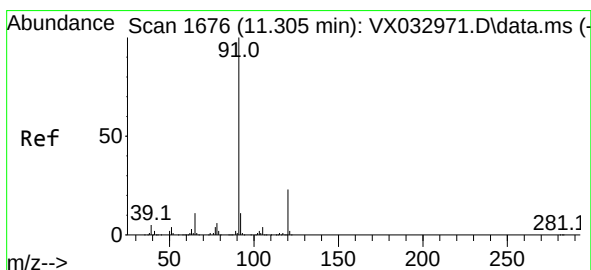
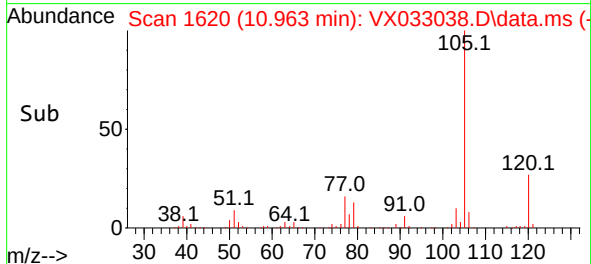
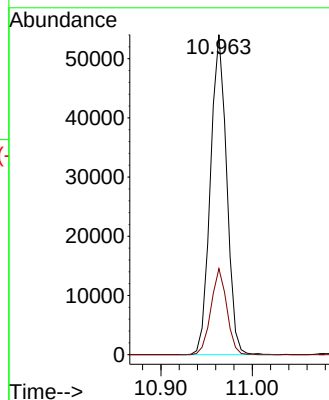
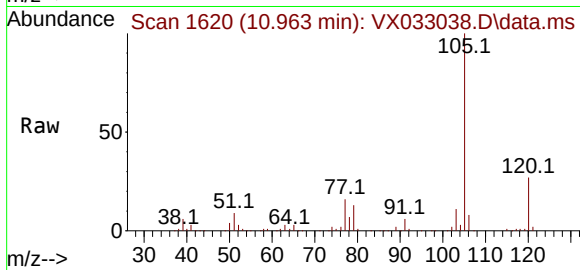
MW-22

Tgt Ion:105 Resp: 66469

Ion Ratio Lower Upper

105 100

120 26.1 13.1 39.3



#78

n-propylbenzene

Concen: 5.471 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. -0.000 min

Lab File: VX033038.D

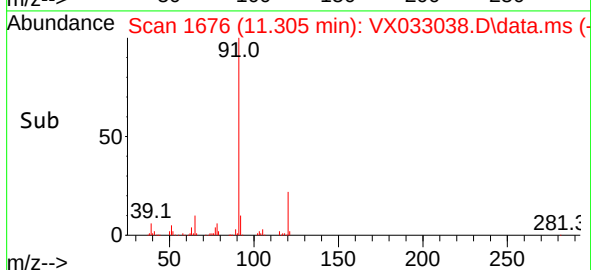
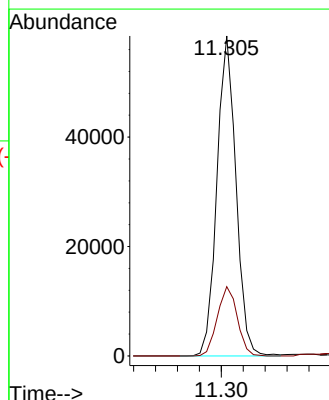
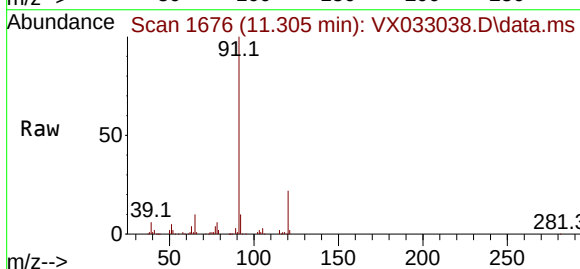
Acq: 24 Nov 2022 04:55

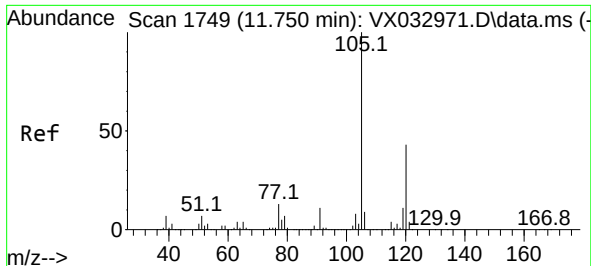
Tgt Ion: 91 Resp: 70544

Ion Ratio Lower Upper

91 100

120 22.7 11.6 34.8

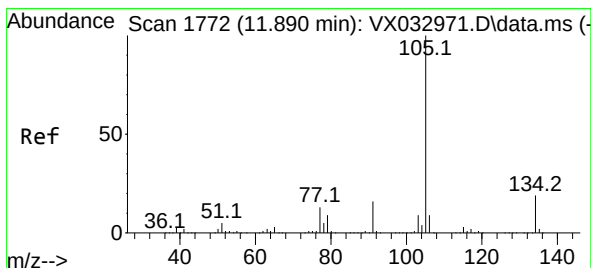
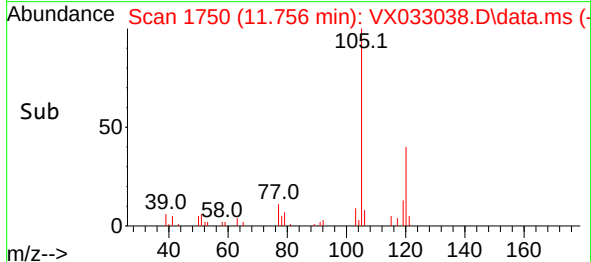
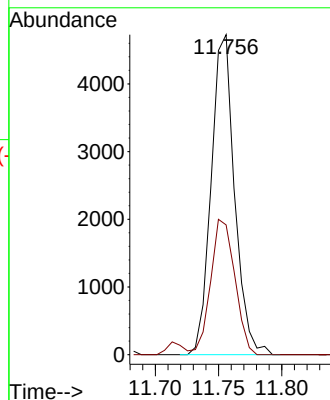
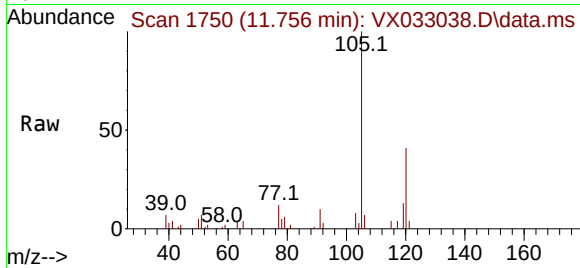




#84
1,2,4-Trimethylbenzene
Concen: 0.643 ug/l
RT: 11.756 min Scan# 11750
Delta R.T. 0.006 min
Lab File: VX033038.D
Acq: 24 Nov 2022 04:55

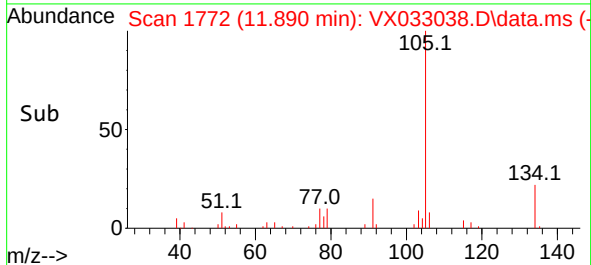
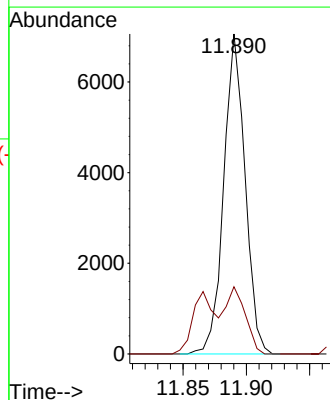
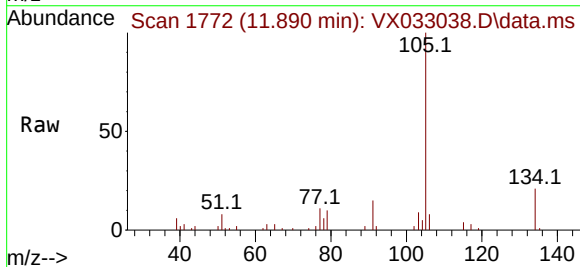
Instrument :
MSVOA_X
ClientSampleId :
MW-22

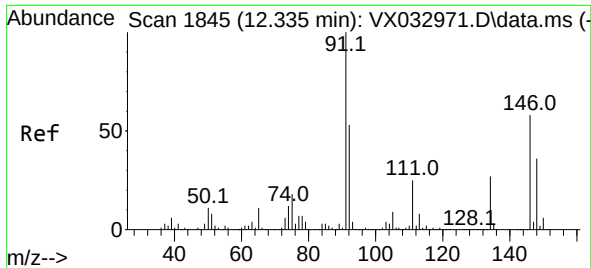
Tgt Ion:105 Resp: 6076
Ion Ratio Lower Upper
105 100
120 43.8 21.9 65.5



#85
sec-Butylbenzene
Concen: 0.731 ug/l
RT: 11.890 min Scan# 1772
Delta R.T. 0.000 min
Lab File: VX033038.D
Acq: 24 Nov 2022 04:55

Tgt Ion:105 Resp: 8249
Ion Ratio Lower Upper
105 100
134 19.4 9.9 29.7





#89

n-Butylbenzene

Concen: 0.483 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. -0.006 min

Lab File: VX033038.D

Acq: 24 Nov 2022 04:55

Instrument :

MSVOA_X

ClientSampleId :

MW-22

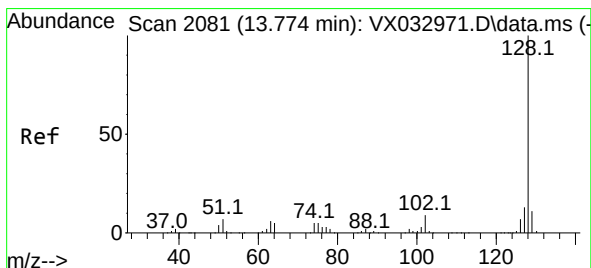
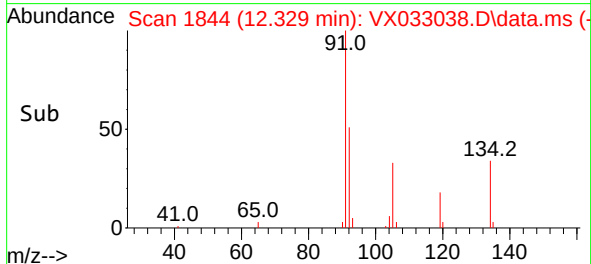
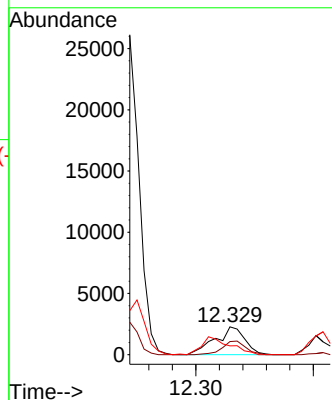
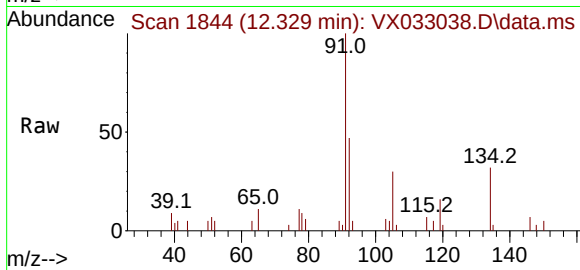
Tgt Ion: 91 Resp: 3974

Ion Ratio Lower Upper

91 100

92 38.6 26.2 78.6

134 0.0 12.9 38.6#



#95

Naphthalene

Concen: 5.290 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. -0.006 min

Lab File: VX033038.D

Acq: 24 Nov 2022 04:55

Tgt Ion:128 Resp: 53377

Ion Ratio Lower Upper

128 100

127 13.0 10.2 15.4

129 11.5 8.9 13.3

