

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082423\
 Data File : VX037223.D
 Acq On : 24 Aug 2023 17:55
 Operator : JC/MD
 Sample : 04088-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-4

Quant Time: Aug 24 23:40:05 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081723W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 18 09:30:38 2023
 Response via : Initial Calibration

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

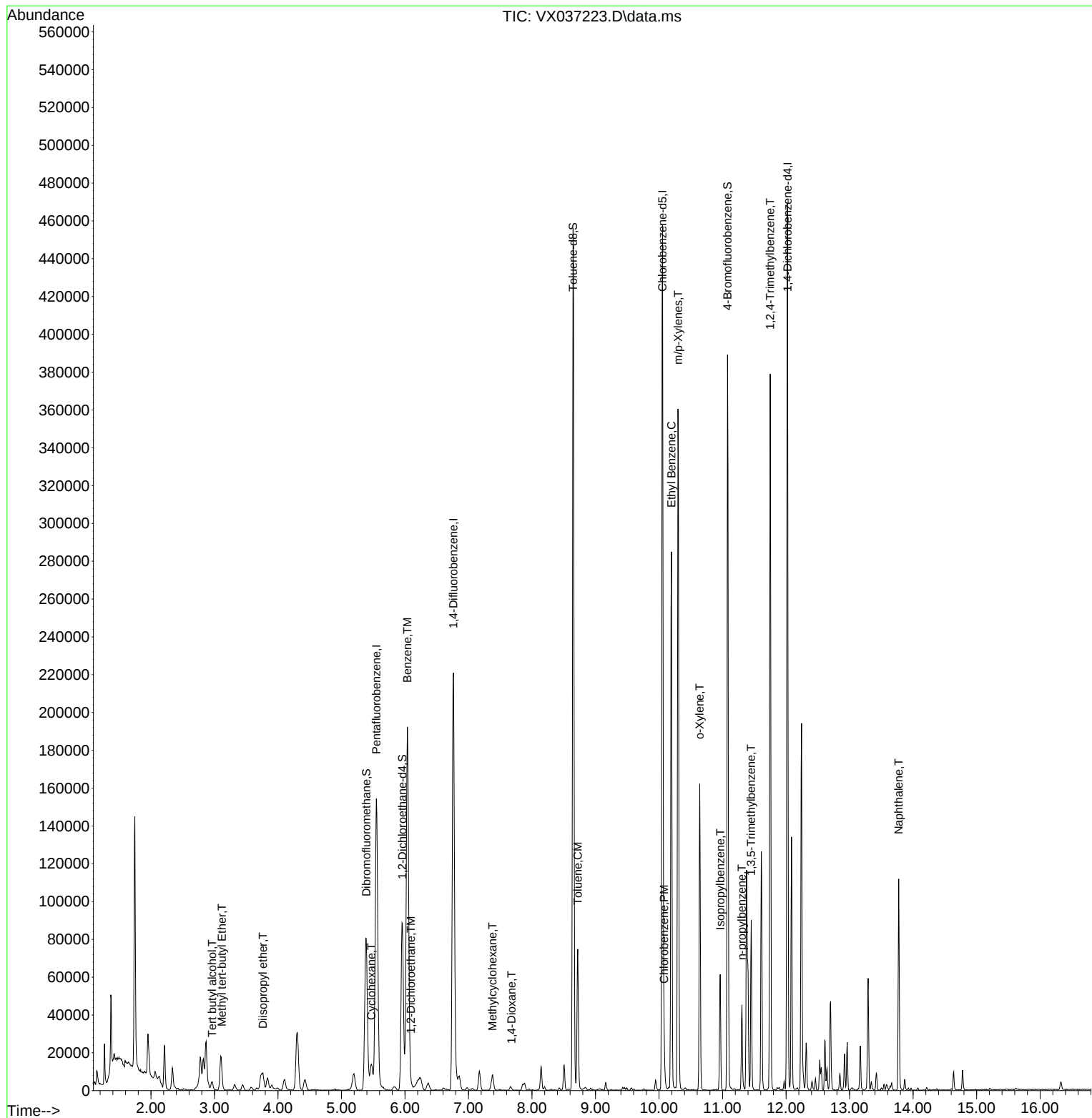
Internal Standards						
1) Pentafluorobenzene	5.550	168	141212	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	233564	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	209467	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	96411	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	89427	43.927	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	87.860%
35) Dibromofluoromethane	5.391	113	72452	46.839	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	93.680%
50) Toluene-d8	8.647	98	274974	49.006	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	98.020%
62) 4-Bromofluorobenzene	11.079	95	105433	47.815	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	95.620%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.965	59	5821	12.189	ug/l #	92
19) Methyl tert-butyl Ether	3.117	73	2504	0.454	ug/l #	1
22) Diisopropyl ether	3.763	45	8418	1.823	ug/l #	67
31) Cyclohexane	5.470	56	9587	4.188	ug/l #	82
39) Methylcyclohexane	7.379	83	3415	1.479	ug/l	96
40) Benzene	6.037	78	240890	38.219	ug/l	100
42) 1,2-Dichloroethane	6.092	62	2048	0.829	ug/l	93
49) 1,4-Dioxane	7.677	88	799	17.069	ug/l #	85
52) Toluene	8.720	92	28283	6.792	ug/l	96
65) Chlorobenzene	10.079	112	9666	2.183	ug/l	99
67) Ethyl Benzene	10.195	91	165218	21.209	ug/l	99
68) m/p-Xylenes	10.299	106	84412	28.059	ug/l	99
69) o-Xylene	10.640	106	34493	11.621	ug/l	100
73) Isopropylbenzene	10.963	105	29755	4.246	ug/l	100
78) n-propylbenzene	11.305	91	26697	3.421	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	38414	6.571	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	160443	27.158	ug/l	96
95) Naphthalene	13.774	128	68745	8.548	ug/l	99

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

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QLast Update : Fri Aug 18 09:30:38 2023
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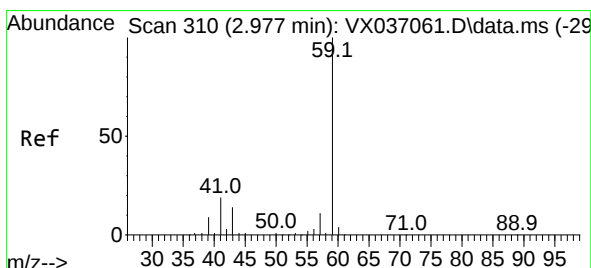
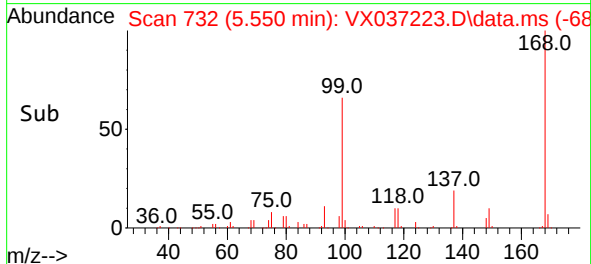
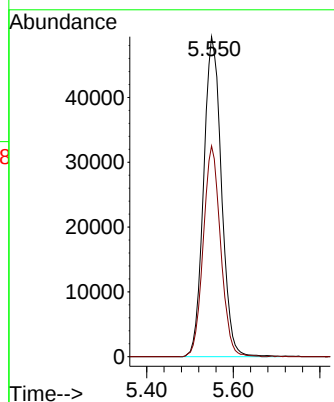
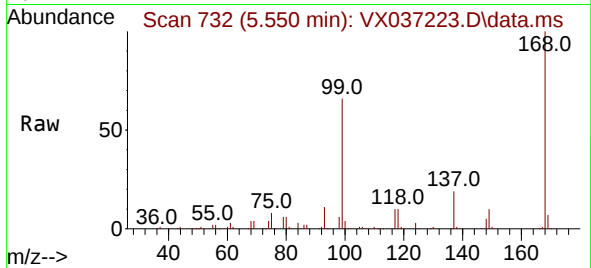




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX037223.D
Acq: 24 Aug 2023 17:55

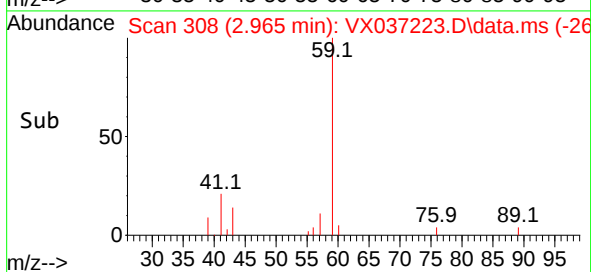
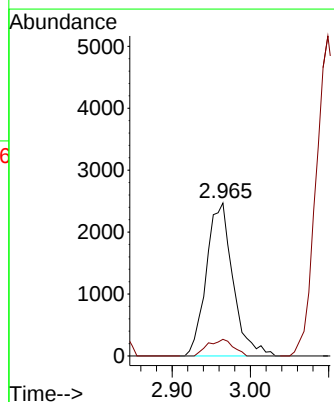
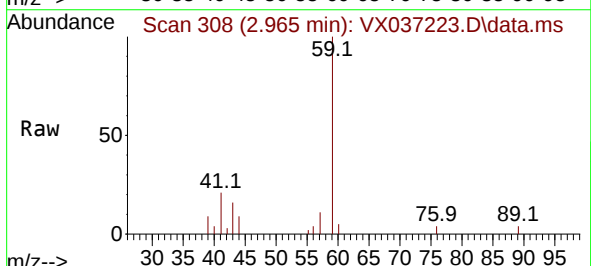
Instrument :
MSVOA_X
ClientSampleId :
MW-4

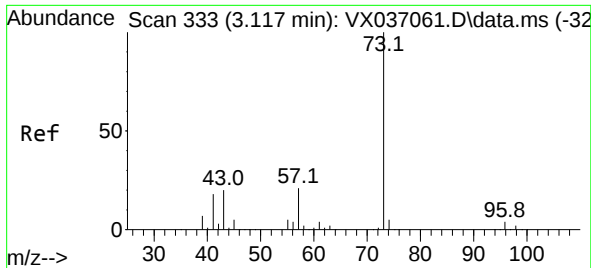
Tgt Ion:168 Resp: 141212
Ion Ratio Lower Upper
168 100
99 65.8 56.6 85.0



#11
Tert butyl alcohol
Concen: 12.189 ug/l
RT: 2.965 min Scan# 308
Delta R.T. -0.012 min
Lab File: VX037223.D
Acq: 24 Aug 2023 17:55

Tgt Ion: 59 Resp: 5821
Ion Ratio Lower Upper
59 100
57 10.3 6.0 9.0#

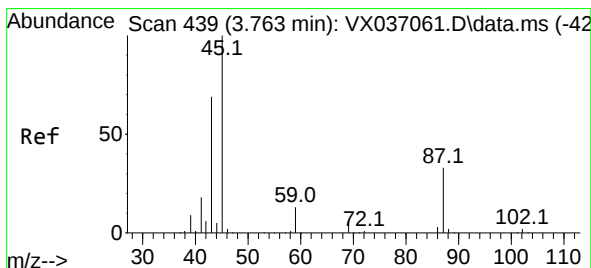
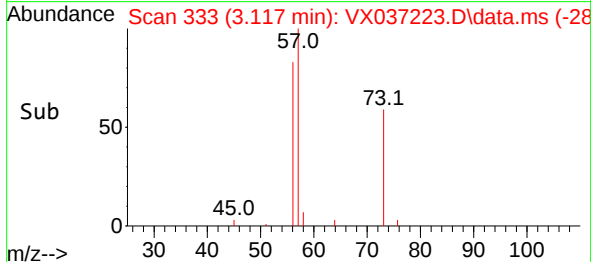
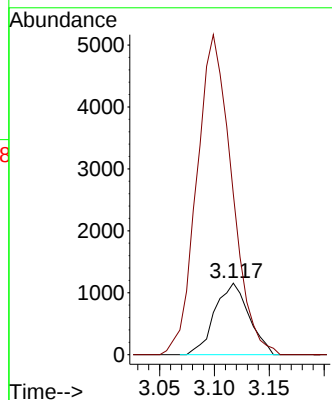
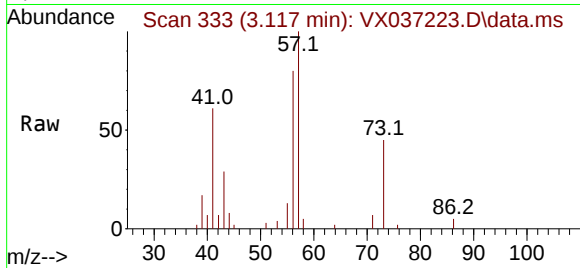




#19
Methyl tert-butyl Ether
Concen: 0.454 ug/l
RT: 3.117 min Scan# 311
Delta R.T. -0.000 min
Lab File: VX037223.D
Acq: 24 Aug 2023 17:55

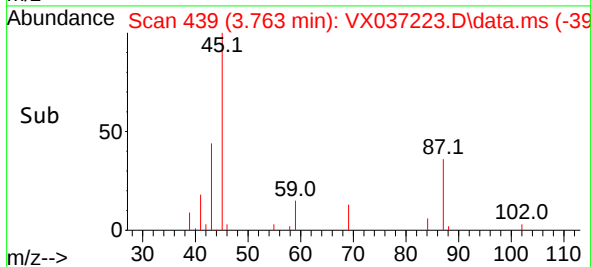
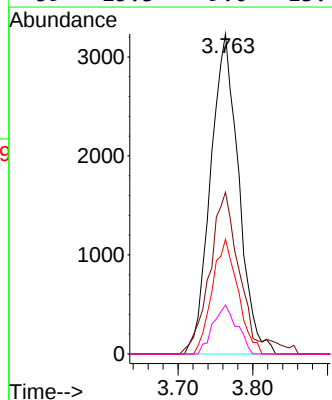
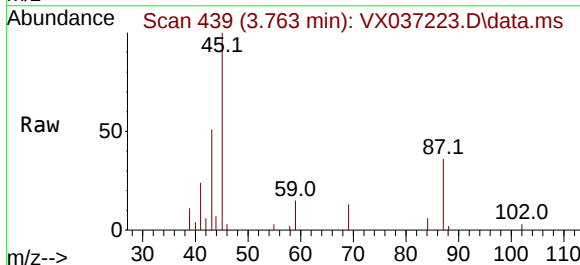
Instrument :
MSVOA_X
ClientSampleId :
MW-4

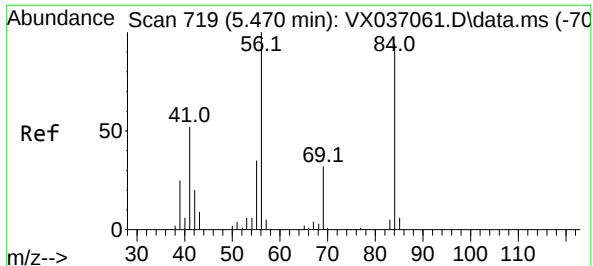
Tgt Ion: 73 Resp: 2504
Ion Ratio Lower Upper
73 100
57 224.6 17.3 25.9#



#22
Diisopropyl ether
Concen: 1.823 ug/l
RT: 3.763 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX037223.D
Acq: 24 Aug 2023 17:55

Tgt Ion: 45 Resp: 8418
Ion Ratio Lower Upper
45 100
43 50.5 69.7 104.5#
87 35.9 20.8 31.2#
59 15.3 9.0 13.4#

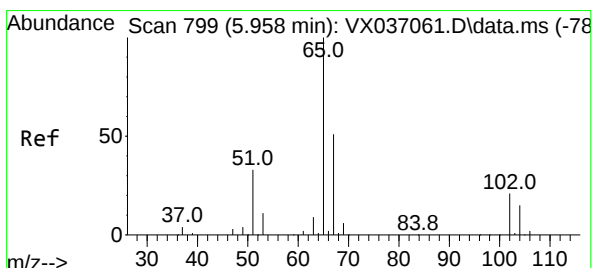
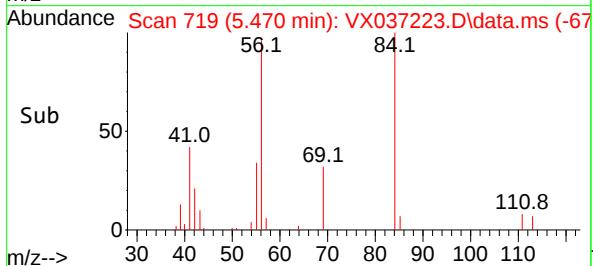
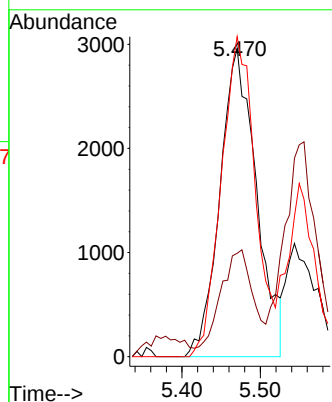
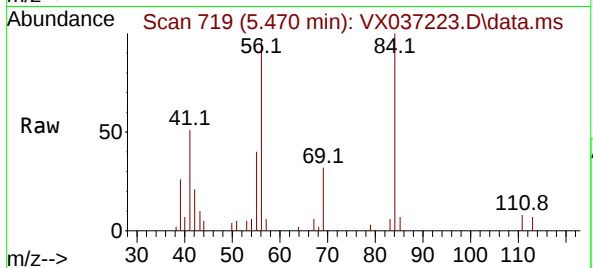




#31
Cyclohexane
Concen: 4.188 ug/l
RT: 5.470 min Scan# 719
Delta R.T. -0.000 min
Lab File: VX037223.D
Acq: 24 Aug 2023 17:55

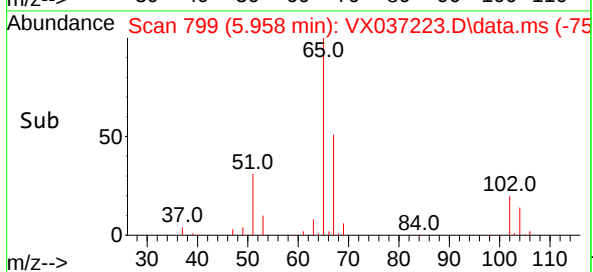
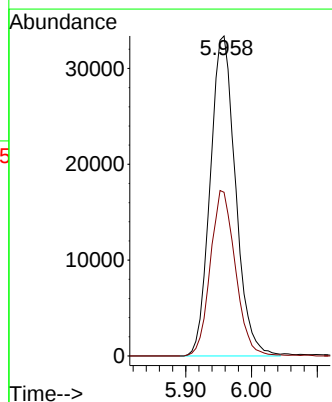
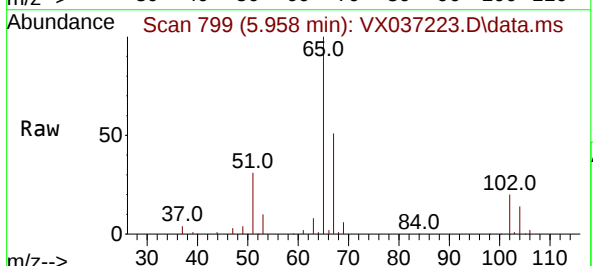
Instrument :
MSVOA_X
ClientSampleId :
MW-4

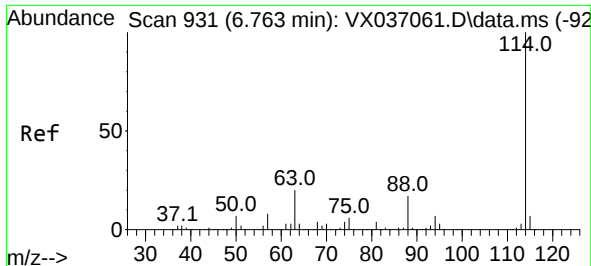
Tgt Ion: 56 Resp: 9587
Ion Ratio Lower Upper
56 100
69 28.8 23.4 35.2
84 103.8 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 43.927 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.000 min
Lab File: VX037223.D
Acq: 24 Aug 2023 17:55

Tgt Ion: 65 Resp: 89427
Ion Ratio Lower Upper
65 100
67 51.2 0.0 100.2

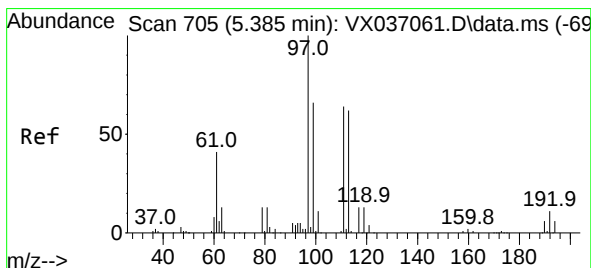
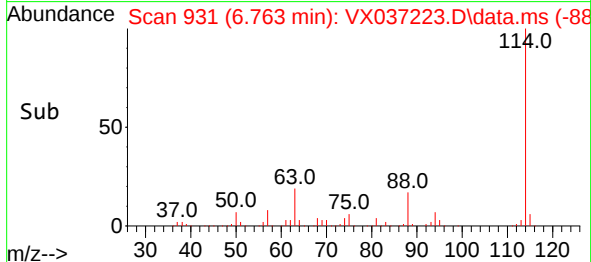
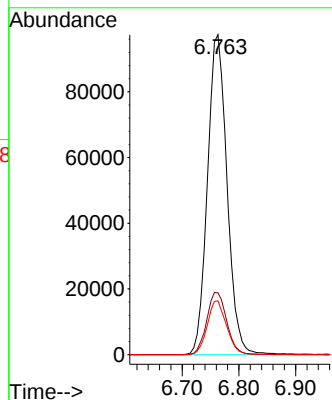
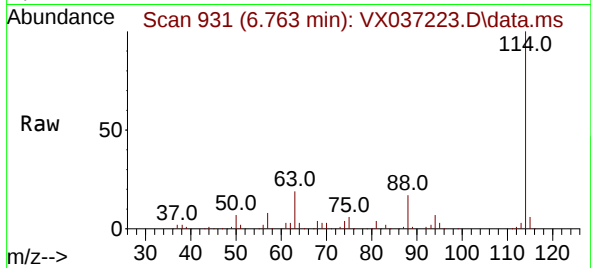




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX037223.D
Acq: 24 Aug 2023 17:55

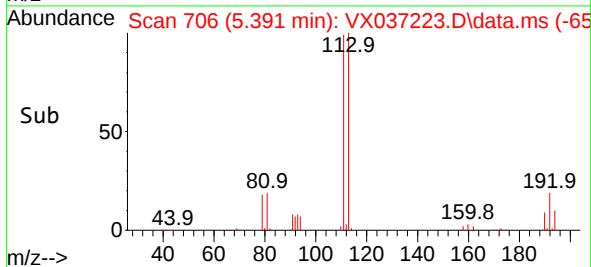
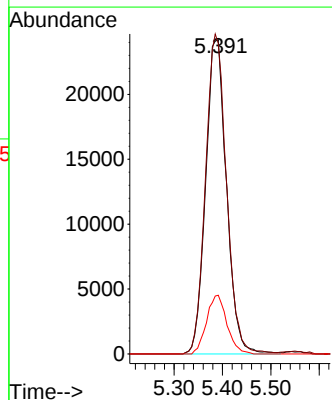
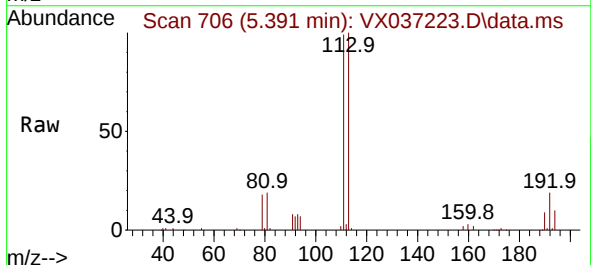
Instrument :
MSVOA_X
ClientSampleId :
MW-4

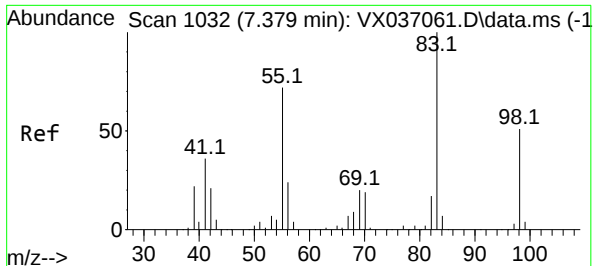
Tgt Ion:114 Resp: 233564
Ion Ratio Lower Upper
114 100
63 19.3 0.0 45.0
88 16.9 0.0 36.6



#35
Dibromofluoromethane
Concen: 46.839 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX037223.D
Acq: 24 Aug 2023 17:55

Tgt Ion:113 Resp: 72452
Ion Ratio Lower Upper
113 100
111 102.4 82.9 124.3
192 18.2 13.3 19.9





#39

Methylcyclohexane

Concen: 1.479 ug/l

RT: 7.379 min Scan# 1032

Delta R.T. 0.000 min

Lab File: VX037223.D

Acq: 24 Aug 2023 17:55

Instrument :

MSVOA_X

ClientSampleId :

MW-4

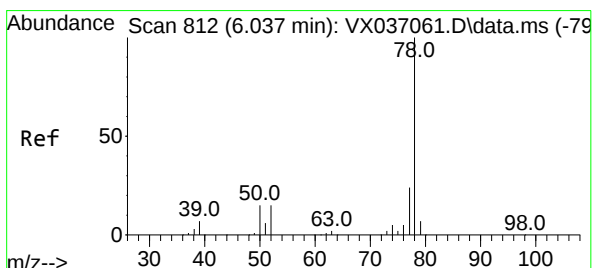
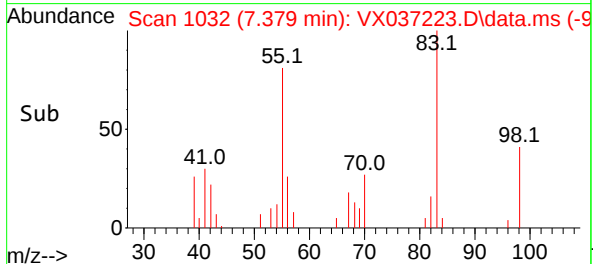
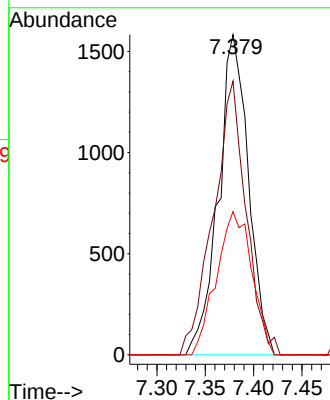
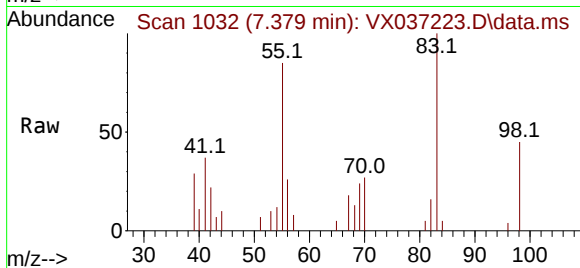
Tgt Ion: 83 Resp: 3415

Ion Ratio Lower Upper

83 100

55 85.5 64.6 97.0

98 44.7 36.7 55.1



#40

Benzene

Concen: 38.219 ug/l

RT: 6.037 min Scan# 812

Delta R.T. -0.000 min

Lab File: VX037223.D

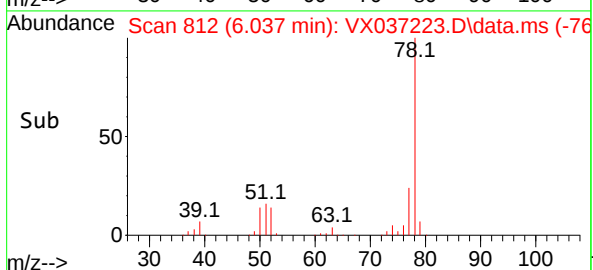
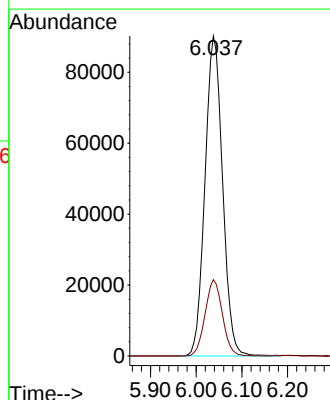
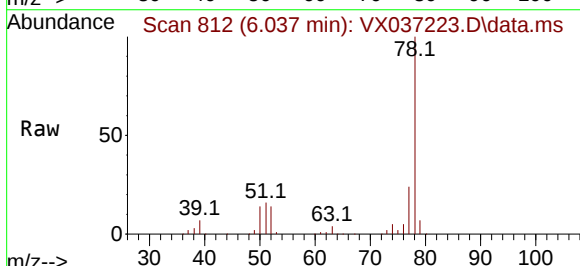
Acq: 24 Aug 2023 17:55

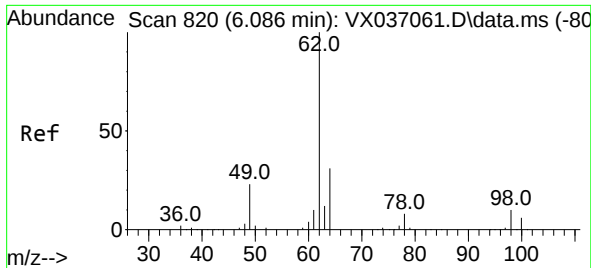
Tgt Ion: 78 Resp: 240890

Ion Ratio Lower Upper

78 100

77 23.9 19.3 28.9





#42

1,2-Dichloroethane

Concen: 0.829 ug/l

RT: 6.092 min Scan# 81

Delta R.T. 0.006 min

Lab File: VX037223.D

Acq: 24 Aug 2023 17:55

Instrument :

MSVOA_X

ClientSampleId :

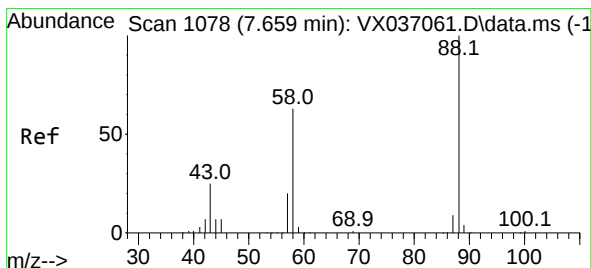
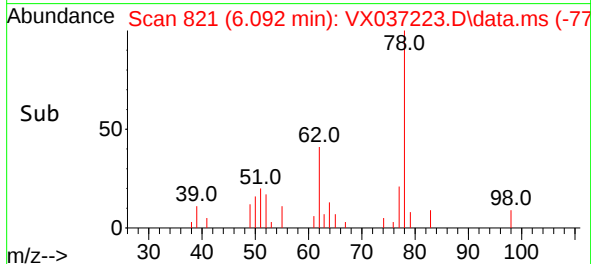
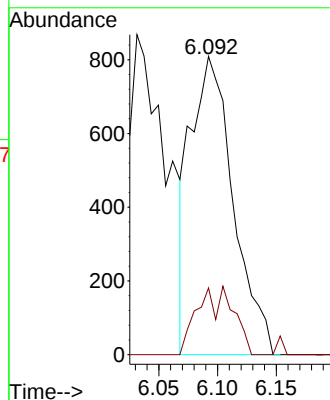
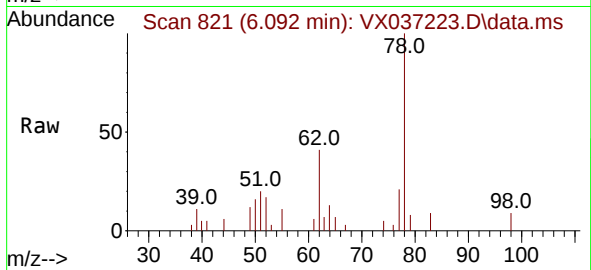
MW-4

Tgt Ion: 62 Resp: 2048

Ion Ratio Lower Upper

62 100

98 10.5 0.0 16.0



#49

1,4-Dioxane

Concen: 17.069 ug/l

RT: 7.677 min Scan# 1081

Delta R.T. 0.018 min

Lab File: VX037223.D

Acq: 24 Aug 2023 17:55

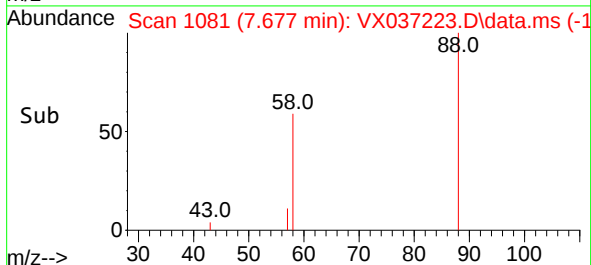
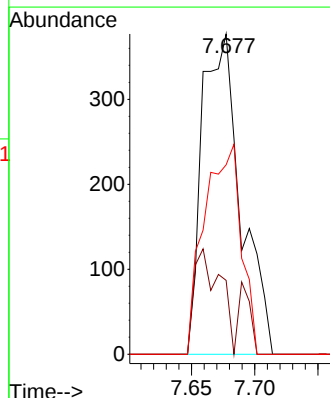
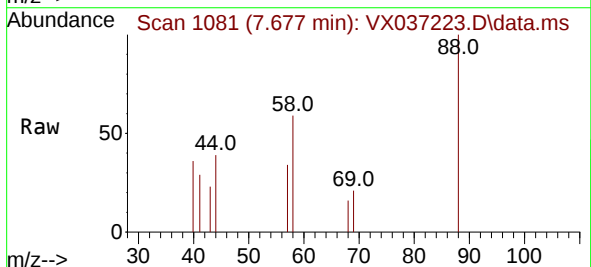
Tgt Ion: 88 Resp: 799

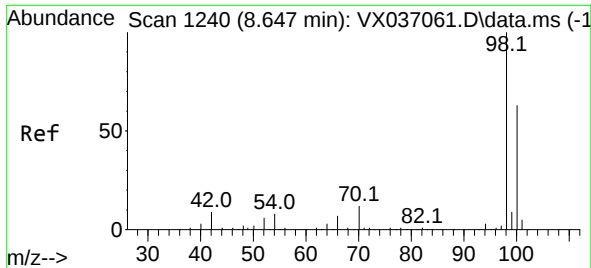
Ion Ratio Lower Upper

88 100

43 6.8 0.0 0.0#

58 62.5 60.1 90.1

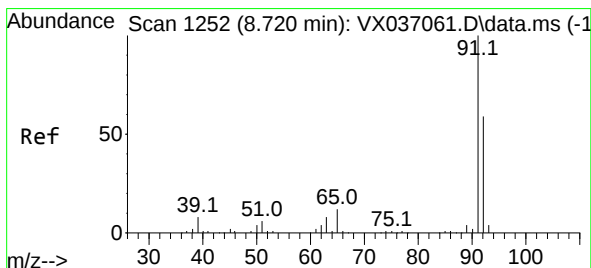
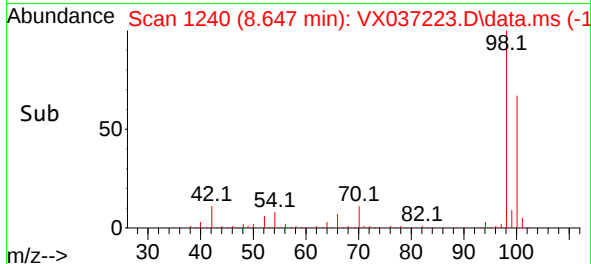
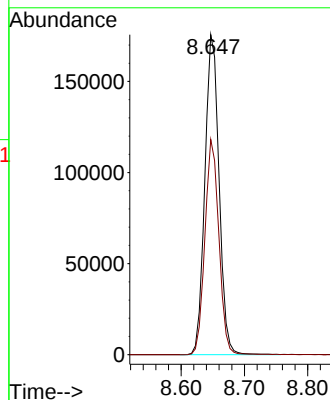
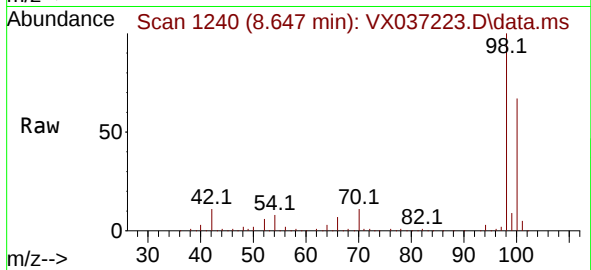




#50
Toluene-d8
Concen: 49.006 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX037223.D
Acq: 24 Aug 2023 17:55

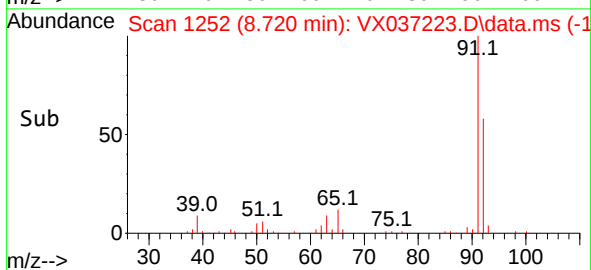
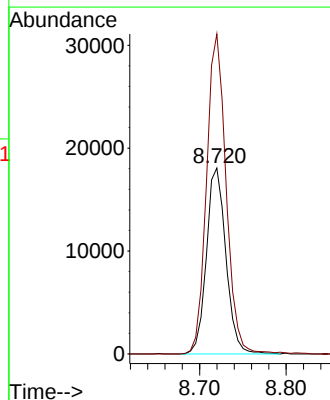
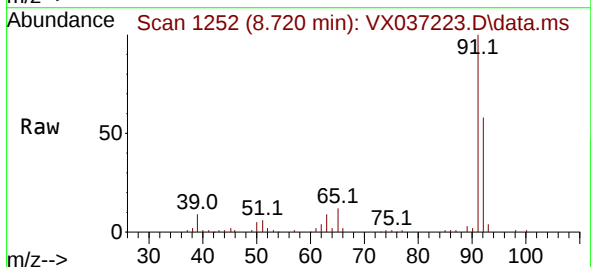
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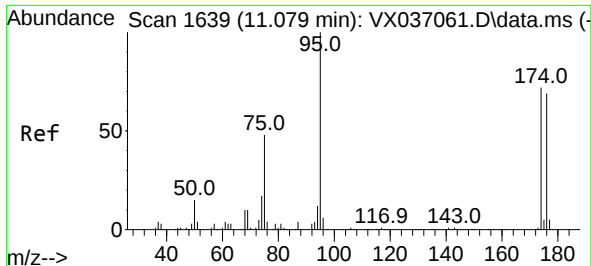
Tgt Ion: 98 Resp: 274974
Ion Ratio Lower Upper
98 100
100 66.2 53.1 79.7



#52
Toluene
Concen: 6.792 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.000 min
Lab File: VX037223.D
Acq: 24 Aug 2023 17:55

Tgt Ion: 92 Resp: 28283
Ion Ratio Lower Upper
92 100
91 172.9 134.2 201.2





#62

4-Bromofluorobenzene

Concen: 47.815 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX037223.D

Acq: 24 Aug 2023 17:55

Instrument :

MSVOA_X

ClientSampleId :

MW-4

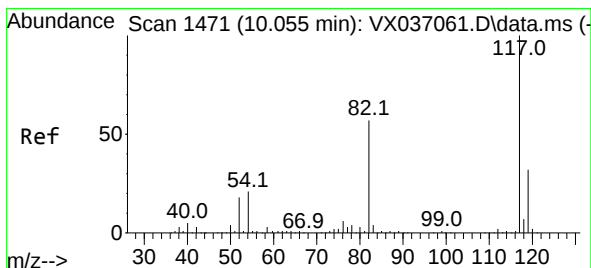
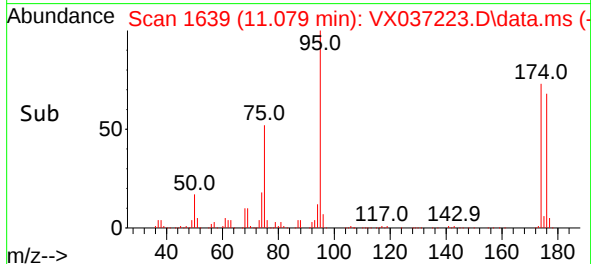
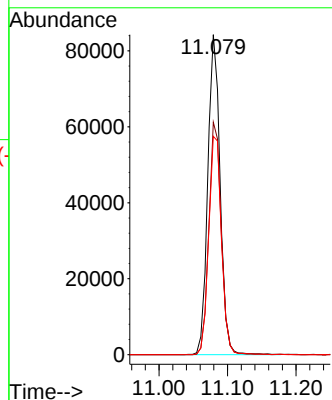
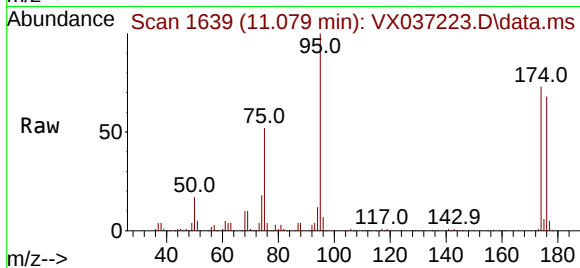
Tgt Ion: 95 Resp: 105433

Ion Ratio Lower Upper

95 100

174 73.3 0.0 135.6

176 70.8 0.0 131.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX037223.D

Acq: 24 Aug 2023 17:55

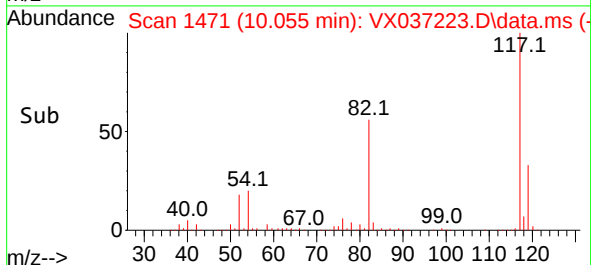
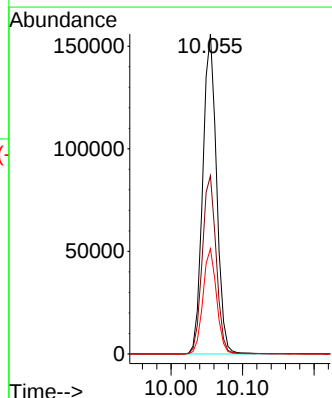
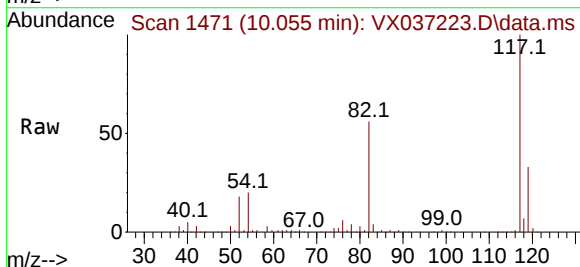
Tgt Ion: 117 Resp: 209467

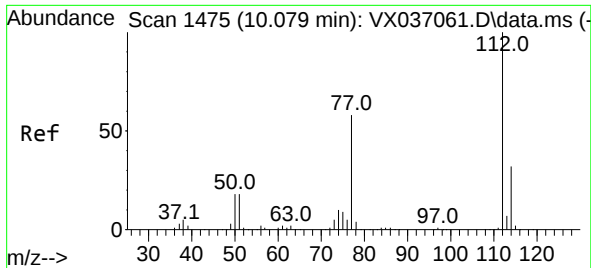
Ion Ratio Lower Upper

117 100

82 55.7 46.2 69.4

119 32.9 25.5 38.3

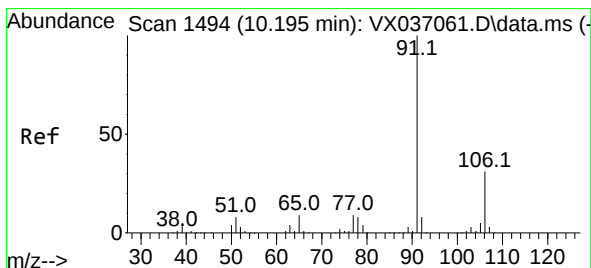
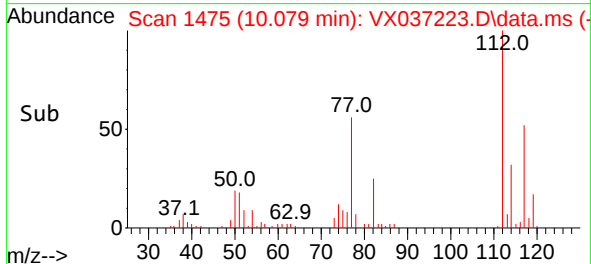
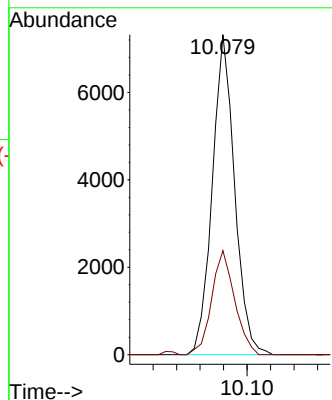
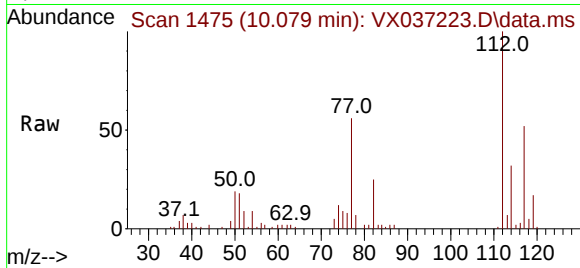




#65
Chlorobenzene
Concen: 2.183 ug/l
RT: 10.079 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VX037223.D
Acq: 24 Aug 2023 17:55

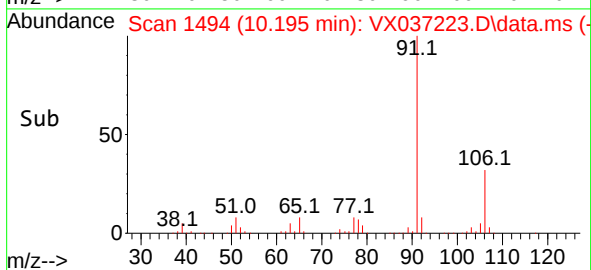
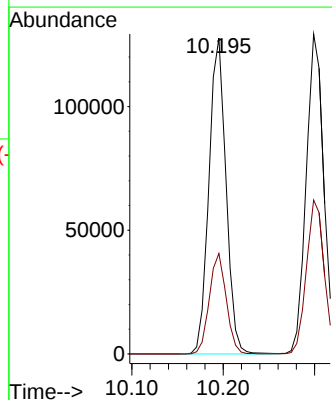
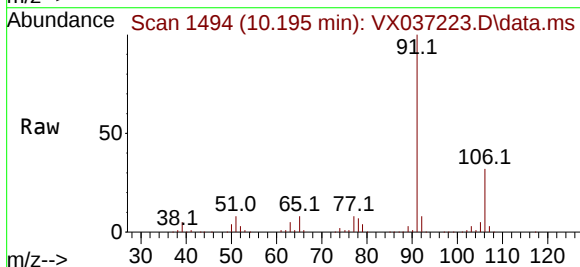
Instrument :
MSVOA_X
ClientSampleId :
MW-4

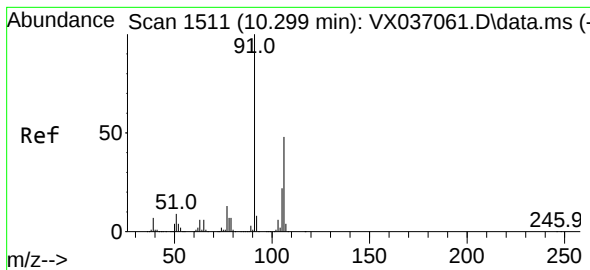
Tgt Ion:112 Resp: 9666
Ion Ratio Lower Upper
112 100
114 32.5 25.7 38.5



#67
Ethyl Benzene
Concen: 21.209 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX037223.D
Acq: 24 Aug 2023 17:55

Tgt Ion: 91 Resp: 165218
Ion Ratio Lower Upper
91 100
106 31.8 24.9 37.3

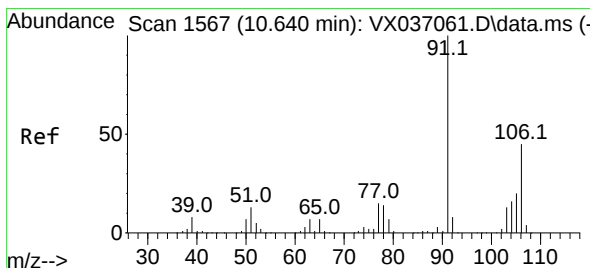
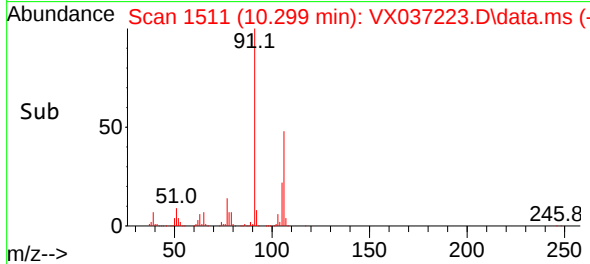
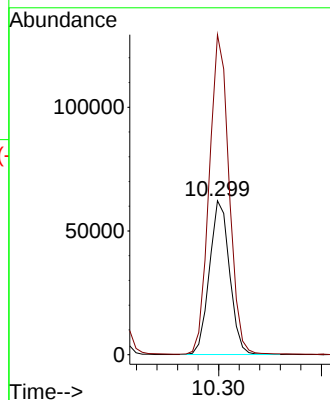
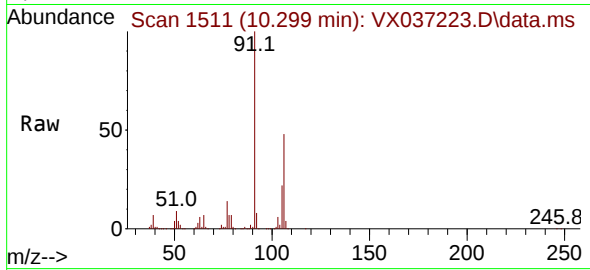




#68
m/p-Xylenes
Concen: 28.059 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX037223.D
Acq: 24 Aug 2023 17:55

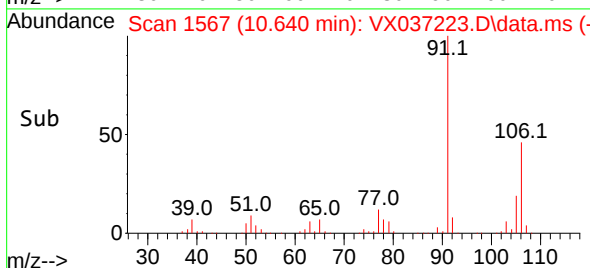
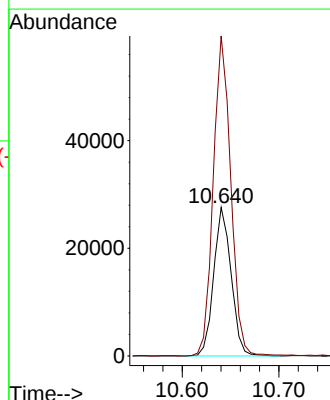
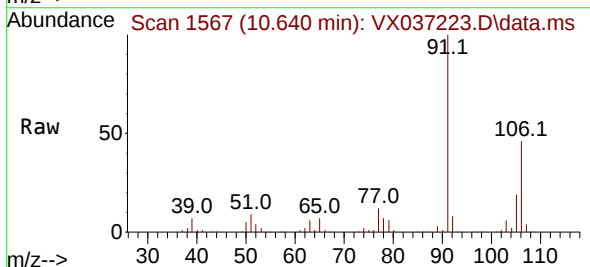
Instrument :
MSVOA_X
ClientSampleId :
MW-4

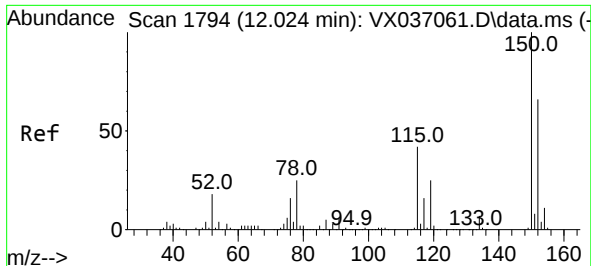
Tgt Ion:106 Resp: 84412
Ion Ratio Lower Upper
106 100
91 205.8 165.5 248.3



#69
o-Xylene
Concen: 11.621 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX037223.D
Acq: 24 Aug 2023 17:55

Tgt Ion:106 Resp: 34493
Ion Ratio Lower Upper
106 100
91 217.6 108.9 326.8

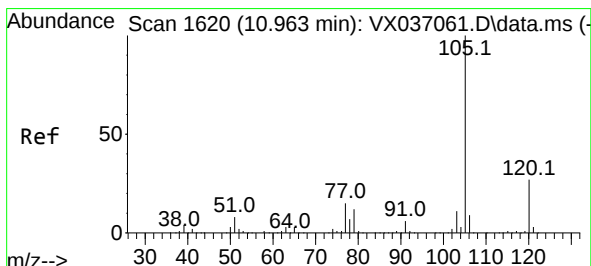
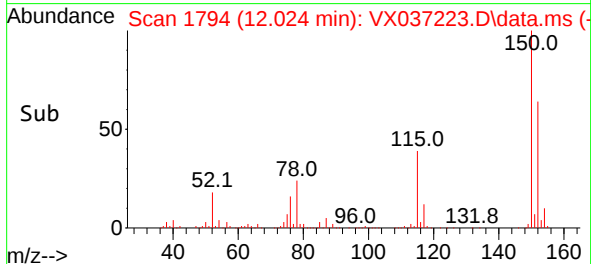
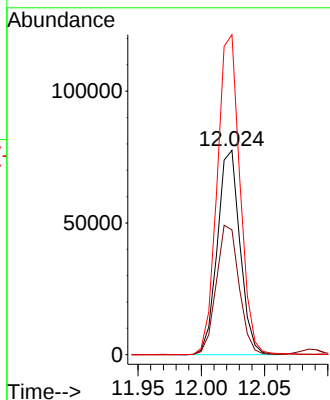
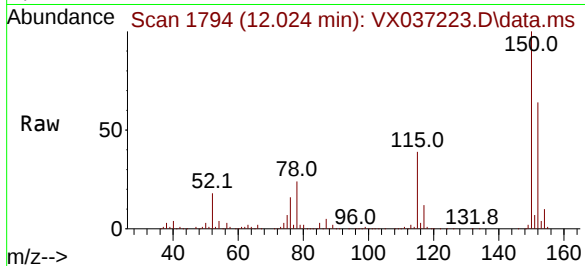




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX037223.D
Acq: 24 Aug 2023 17:55

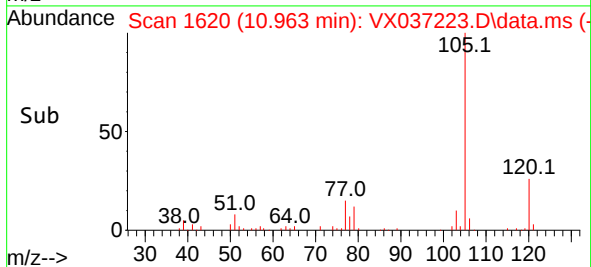
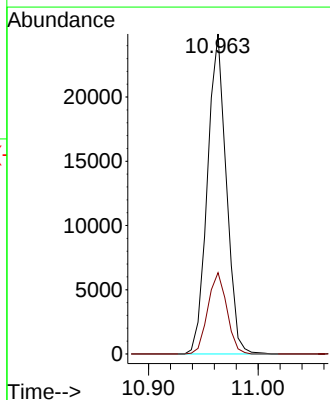
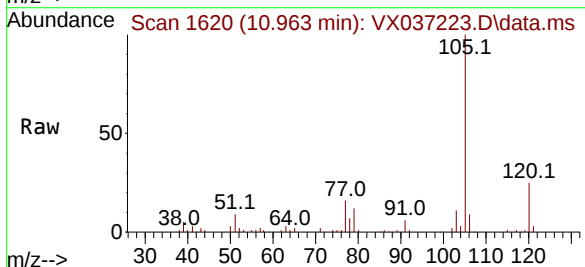
Instrument :
MSVOA_X
ClientSampleId :
MW-4

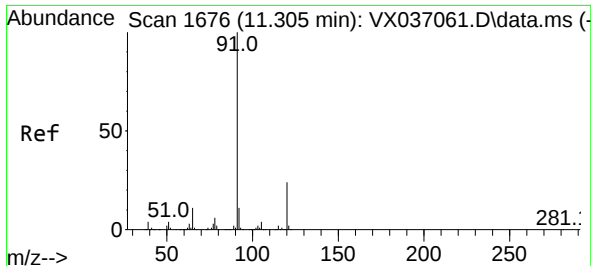
Tgt Ion:152 Resp: 96411
Ion Ratio Lower Upper
152 100
115 63.9 43.3 129.9
150 158.1 0.0 345.0



#73
Isopropylbenzene
Concen: 4.246 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. -0.000 min
Lab File: VX037223.D
Acq: 24 Aug 2023 17:55

Tgt Ion:105 Resp: 29755
Ion Ratio Lower Upper
105 100
120 25.5 12.9 38.6

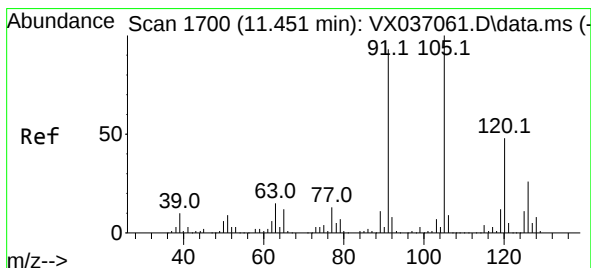
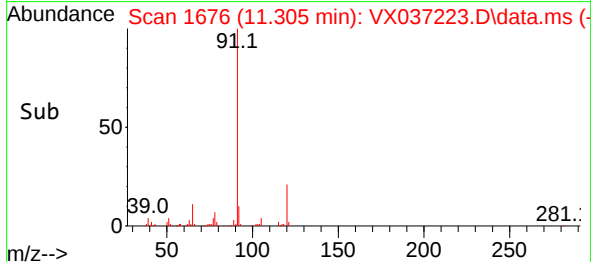
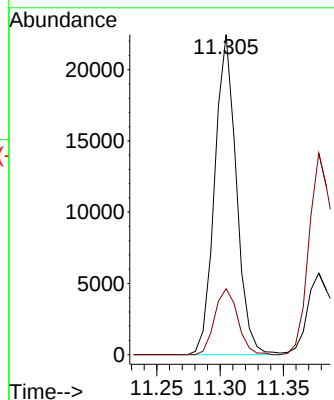
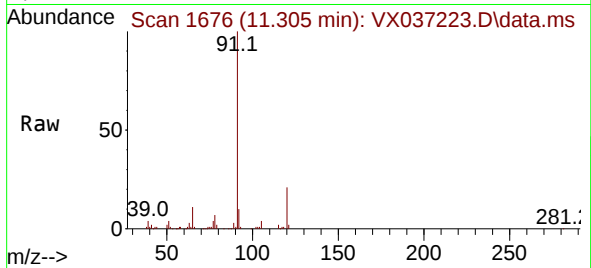




#78
n-propylbenzene
Concen: 3.421 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX037223.D
Acq: 24 Aug 2023 17:55

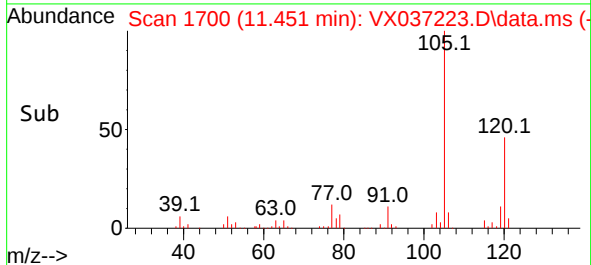
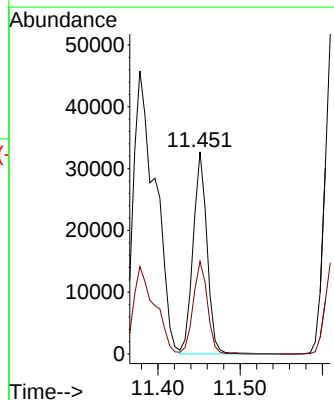
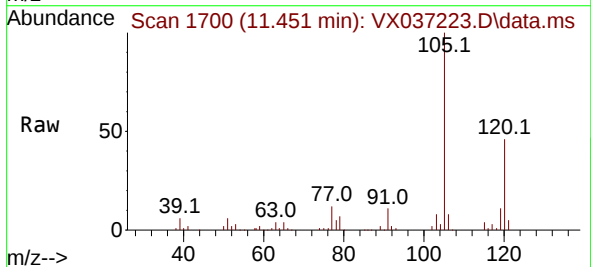
Instrument :
MSVOA_X
ClientSampleId :
MW-4

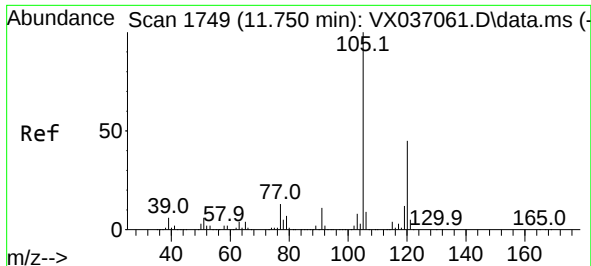
Tgt Ion: 91 Resp: 26697
Ion Ratio Lower Upper
91 100
120 21.9 11.5 34.4



#80
1,3,5-Trimethylbenzene
Concen: 6.571 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX037223.D
Acq: 24 Aug 2023 17:55

Tgt Ion: 105 Resp: 38414
Ion Ratio Lower Upper
105 100
120 46.9 24.1 72.3

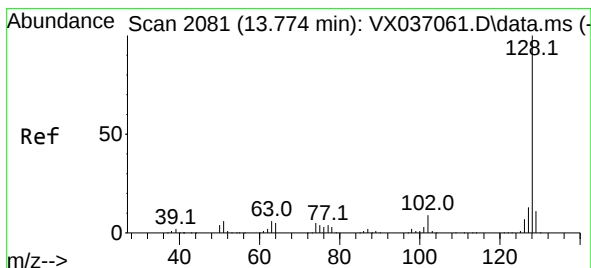
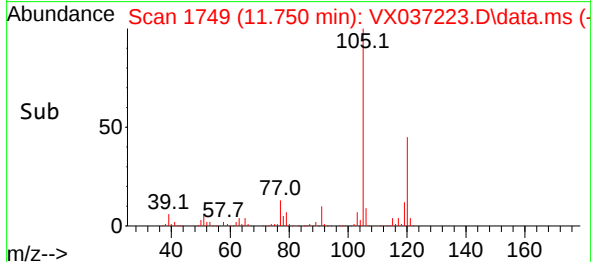
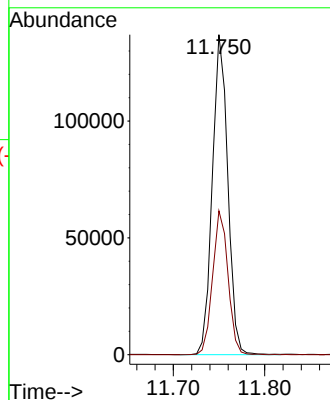
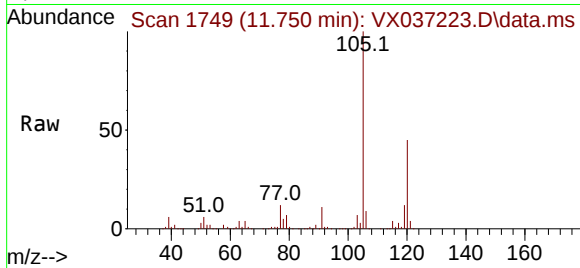




#84
1,2,4-Trimethylbenzene
Concen: 27.158 ug/l
RT: 11.750 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX037223.D
Acq: 24 Aug 2023 17:55

Instrument :
MSVOA_X
ClientSampleId :
MW-4

Tgt Ion:105 Resp: 160443
Ion Ratio Lower Upper
105 100
120 44.8 21.2 63.6



#95
Naphthalene
Concen: 8.548 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.000 min
Lab File: VX037223.D
Acq: 24 Aug 2023 17:55

Tgt Ion:128 Resp: 68745
Ion Ratio Lower Upper
128 100
127 12.3 10.3 15.5
129 10.9 8.8 13.2

