

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121423\
 Data File : VX039214.D
 Acq On : 14 Dec 2023 17:28
 Operator : JC/MD
 Sample : 05829-12
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-13D

Quant Time: Dec 15 03:03:59 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121323W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 14 01:28:15 2023
 Response via : Initial Calibration

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

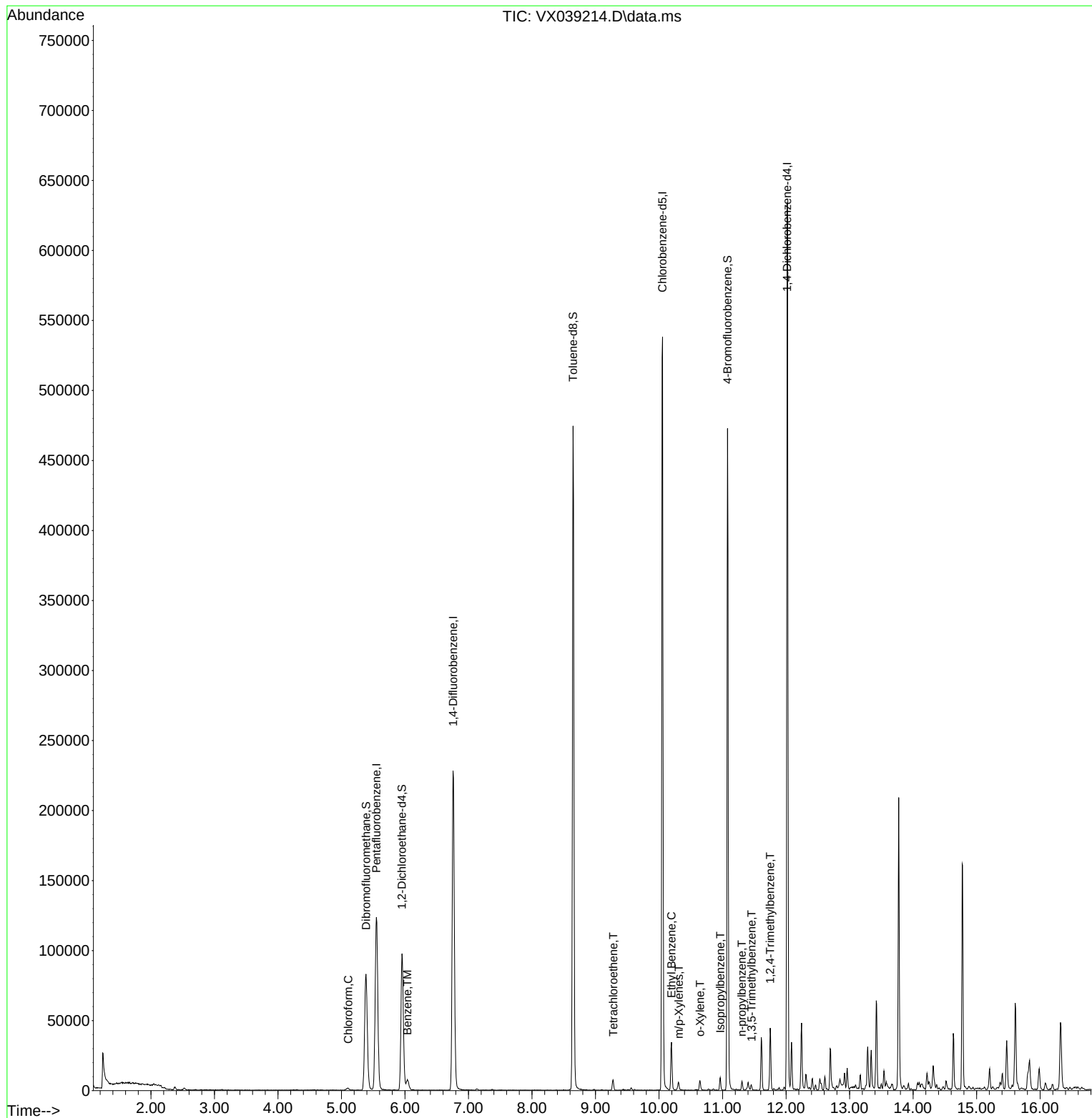
Internal Standards						
1) Pentafluorobenzene	5.549	168	106858	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.756	114	220161	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	228692	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	117587	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	96478	49.285	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	98.560%
35) Dibromofluoromethane	5.385	113	73746	48.486	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.980%
50) Toluene-d8	8.646	98	277489	49.142	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	98.280%
62) 4-Bromofluorobenzene	11.079	95	131618	56.493	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	112.980%
Target Compounds						
					Qvalue	
30) Chloroform	5.104	83	1814	0.634	ug/l	97
40) Benzene	6.037	78	8631	1.271	ug/l #	84
64) Tetrachloroethene	9.280	164	1264	0.846	ug/l #	84
67) Ethyl Benzene	10.195	91	20613	2.218	ug/l	98
68) m/p-Xylenes	10.311	106	1275	0.383	ug/l	82
69) o-Xylene	10.646	106	1422	0.441	ug/l	80
73) Isopropylbenzene	10.963	105	4435	0.489	ug/l	99
78) n-propylbenzene	11.304	91	4190	0.375	ug/l	93
80) 1,3,5-Trimethylbenzene	11.457	105	1690	0.219	ug/l	91
84) 1,2,4-Trimethylbenzene	11.749	105	18755	2.366	ug/l	99

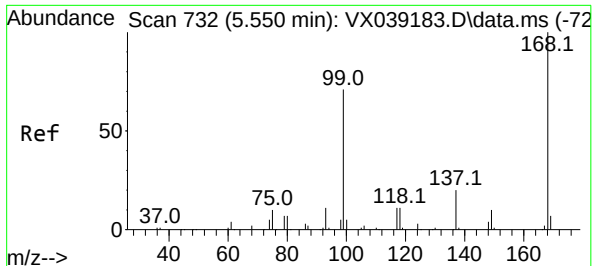
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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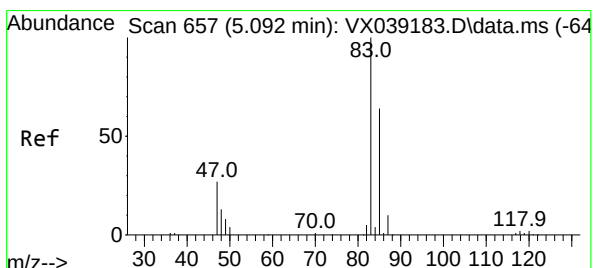
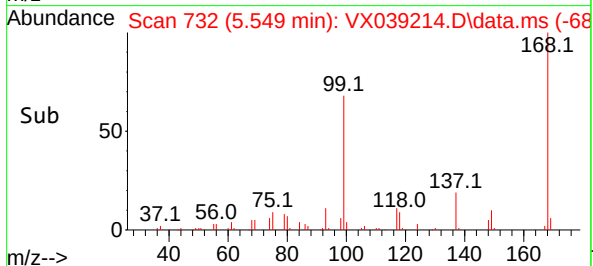
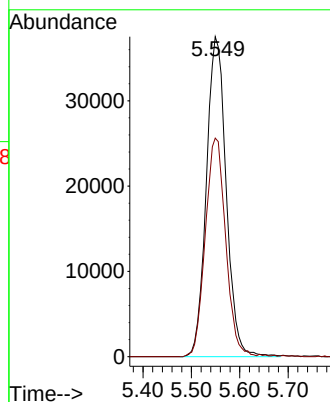
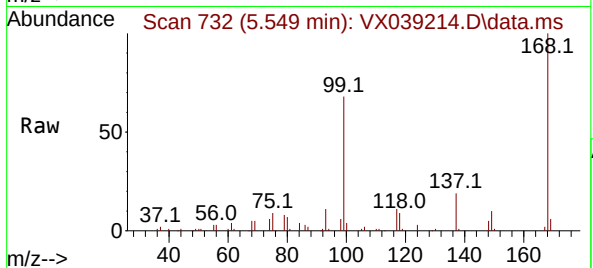




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.549 min Scan# 71
Delta R.T. -0.001 min
Lab File: VX039214.D
Acq: 14 Dec 2023 17:28

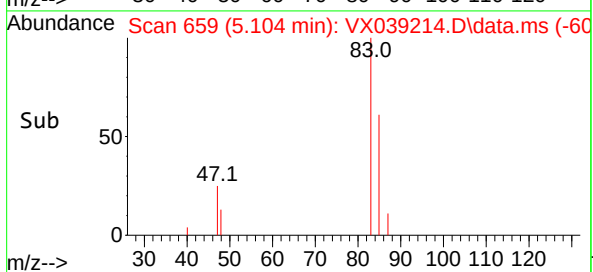
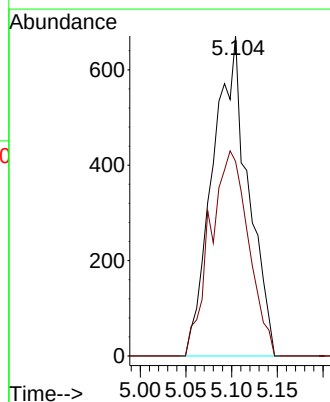
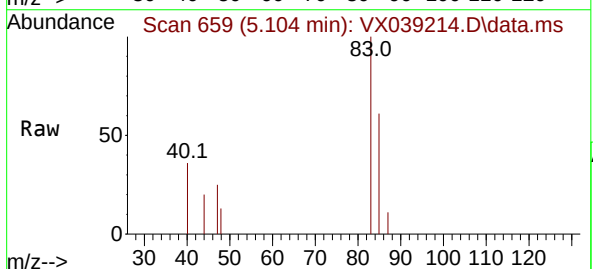
Instrument :
MSVOA_X
ClientSampleId :
MW-13D

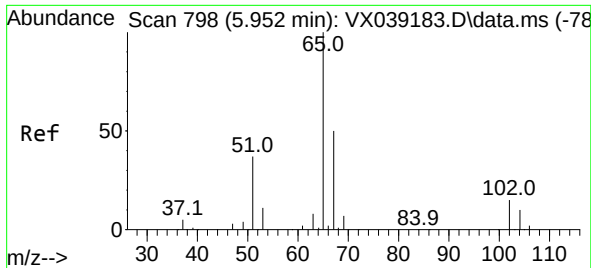
Tgt Ion:168 Resp: 106858
Ion Ratio Lower Upper
168 100
99 68.3 56.6 85.0



#30
Chloroform
Concen: 0.634 ug/l
RT: 5.104 min Scan# 659
Delta R.T. 0.012 min
Lab File: VX039214.D
Acq: 14 Dec 2023 17:28

Tgt Ion: 83 Resp: 1814
Ion Ratio Lower Upper
83 100
85 60.8 50.3 75.5





#33

1,2-Dichloroethane-d4

Concen: 49.285 ug/l

RT: 5.952 min Scan# 79

Delta R.T. -0.000 min

Lab File: VX039214.D

Acq: 14 Dec 2023 17:28

Instrument :

MSVOA_X

ClientSampleId :

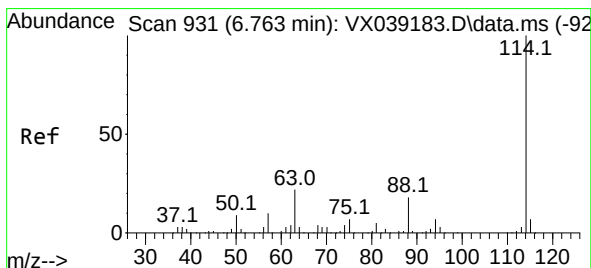
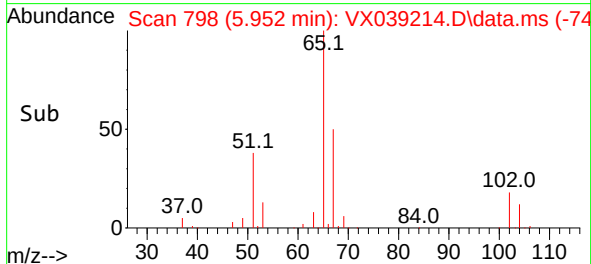
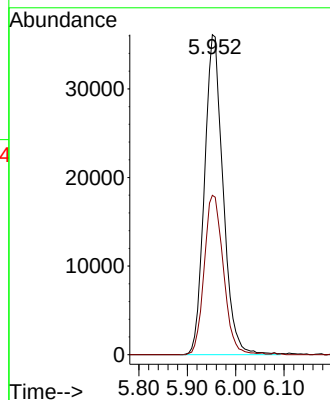
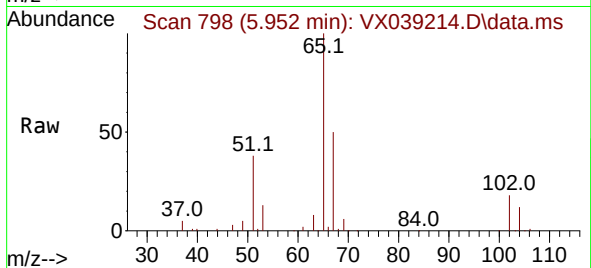
MW-13D

Tgt Ion: 65 Resp: 96478

Ion Ratio Lower Upper

65 100

67 51.5 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.756 min Scan# 930

Delta R.T. -0.006 min

Lab File: VX039214.D

Acq: 14 Dec 2023 17:28

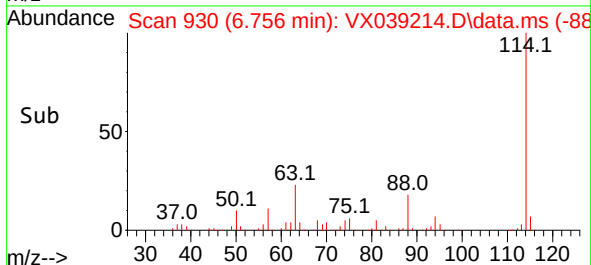
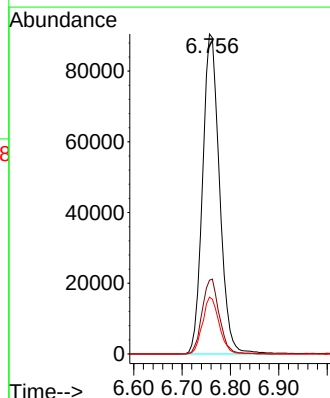
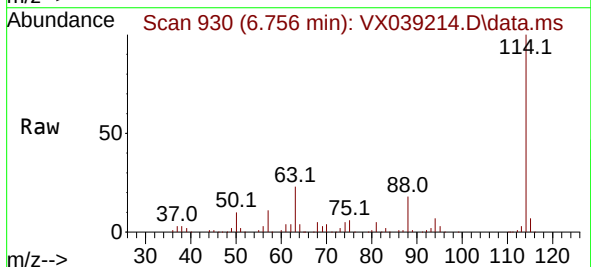
Tgt Ion: 114 Resp: 220161

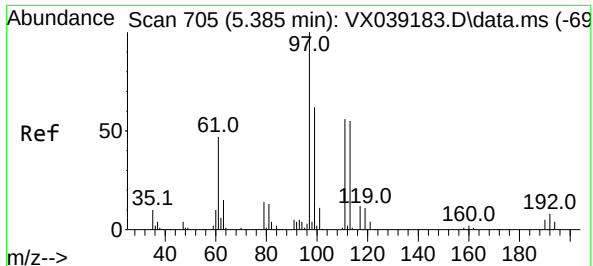
Ion Ratio Lower Upper

114 100

63 23.1 0.0 45.0

88 17.7 0.0 36.6





#35

Dibromofluoromethane

Concen: 48.486 ug/l

RT: 5.385 min Scan# 705

Delta R.T. -0.000 min

Lab File: VX039214.D

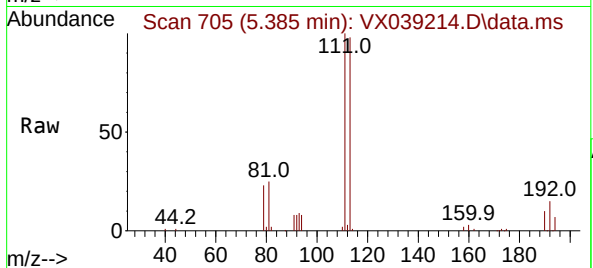
Acq: 14 Dec 2023 17:28

Instrument :

MSVOA_X

ClientSampleId :

MW-13D



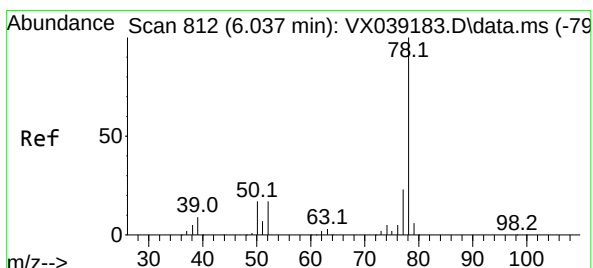
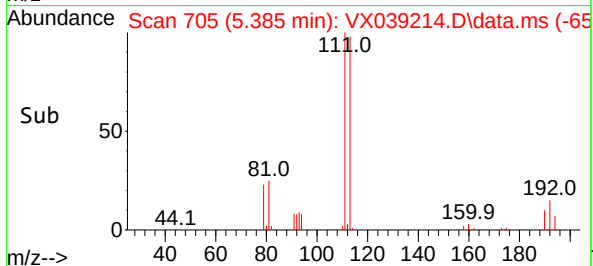
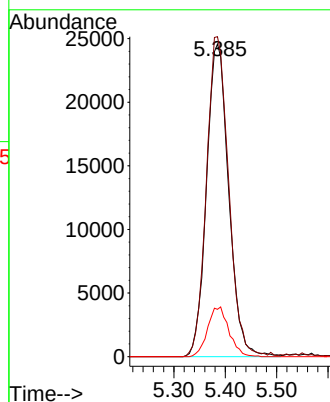
Tgt Ion:113 Resp: 73746

Ion Ratio Lower Upper

113 100

111 102.3 82.9 124.3

192 15.3 13.3 19.9



#40

Benzene

Concen: 1.271 ug/l

RT: 6.037 min Scan# 812

Delta R.T. -0.000 min

Lab File: VX039214.D

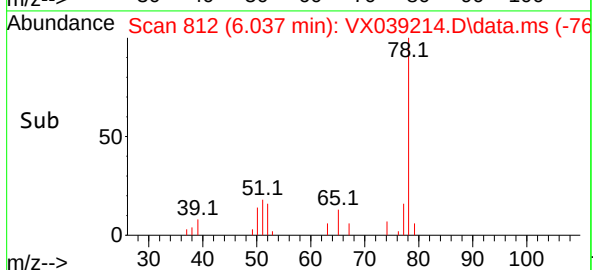
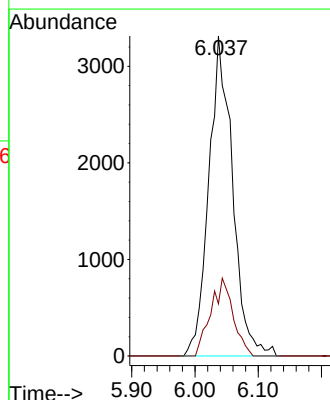
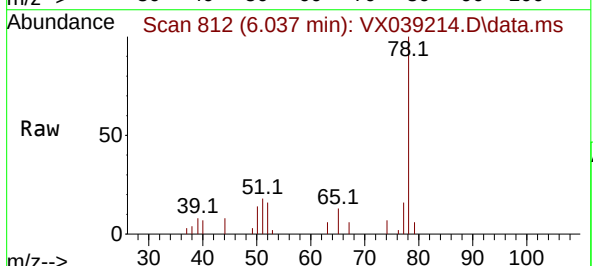
Acq: 14 Dec 2023 17:28

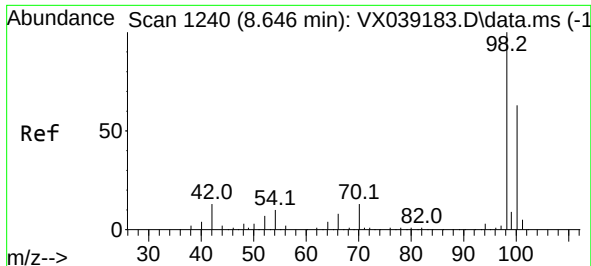
Tgt Ion: 78 Resp: 8631

Ion Ratio Lower Upper

78 100

77 16.3 19.3 28.9#

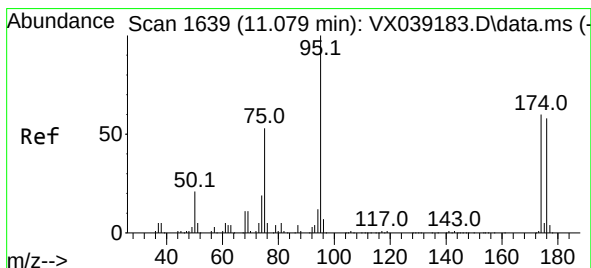
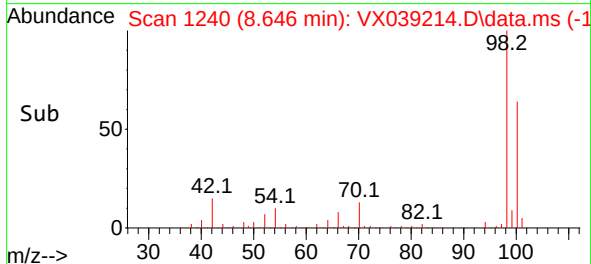
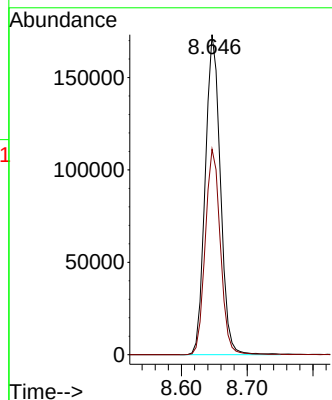
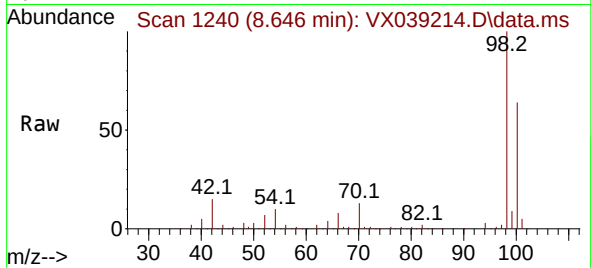




#50
Toluene-d8
Concen: 49.142 ug/l
RT: 8.646 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX039214.D
Acq: 14 Dec 2023 17:28

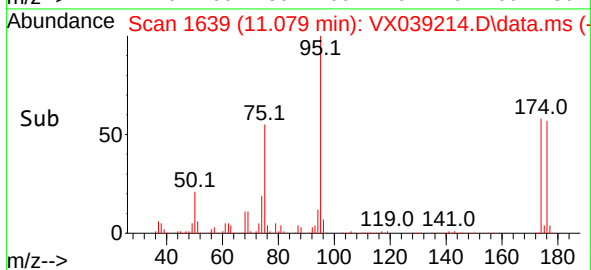
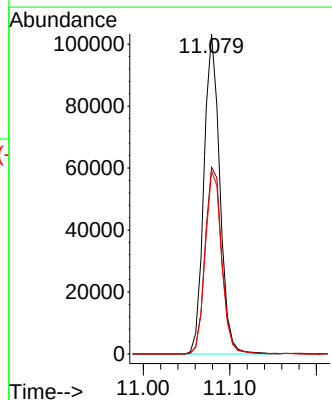
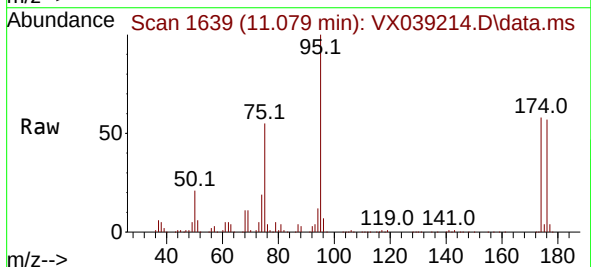
Instrument :
MSVOA_X
ClientSampleId :
MW-13D

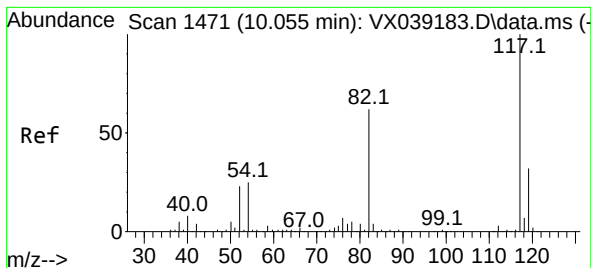
Tgt Ion: 98 Resp: 277489
Ion Ratio Lower Upper
98 100
100 64.0 53.1 79.7



#62
4-Bromofluorobenzene
Concen: 56.493 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX039214.D
Acq: 14 Dec 2023 17:28

Tgt Ion: 95 Resp: 131618
Ion Ratio Lower Upper
95 100
174 61.2 0.0 135.6
176 59.2 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: VX039214.D

Acq: 14 Dec 2023 17:28

Instrument :

MSVOA_X

ClientSampleId :

MW-13D

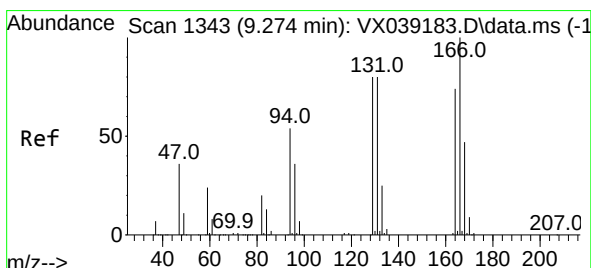
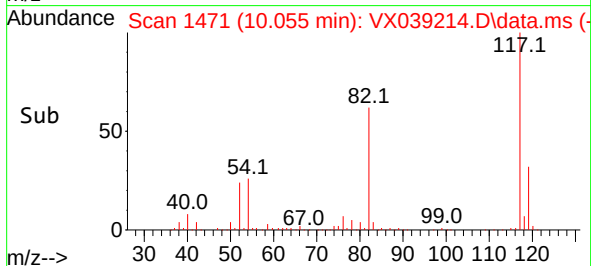
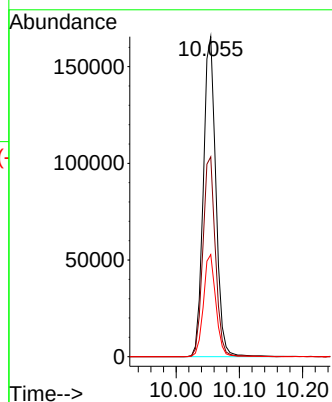
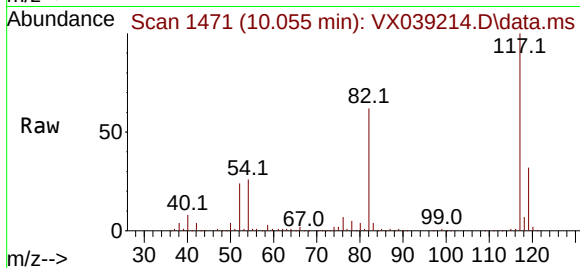
Tgt Ion:117 Resp: 228692

Ion Ratio Lower Upper

117 100

82 62.5 46.2 69.4

119 31.9 25.5 38.3



#64

Tetrachloroethene

Concen: 0.846 ug/l

RT: 9.280 min Scan# 1344

Delta R.T. 0.006 min

Lab File: VX039214.D

Acq: 14 Dec 2023 17:28

Tgt Ion:164 Resp: 1264

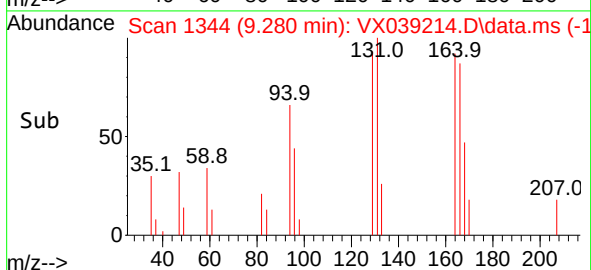
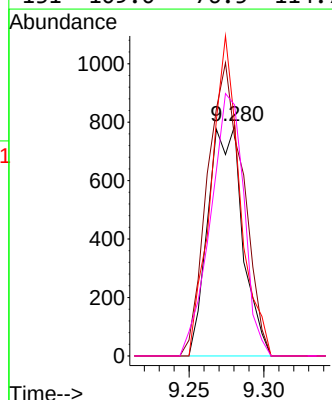
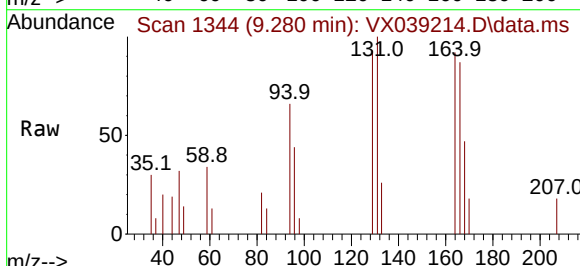
Ion Ratio Lower Upper

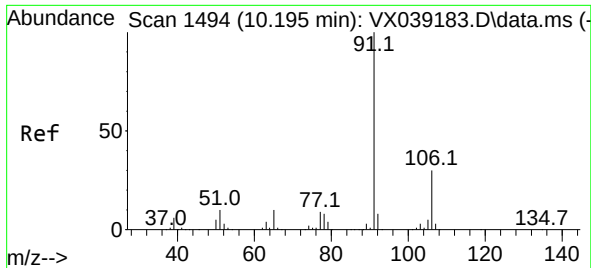
164 100

166 94.7 102.7 154.1#

129 101.0 80.4 120.6

131 109.0 76.5 114.7

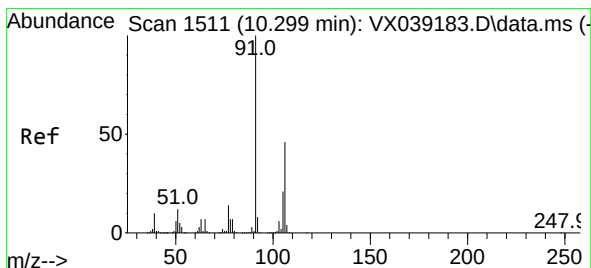
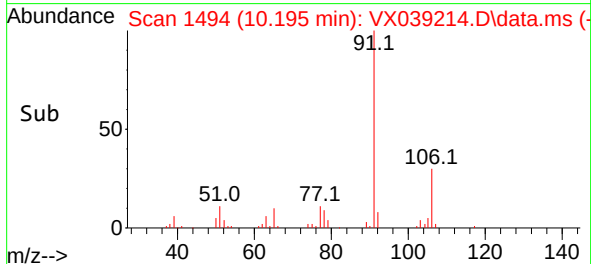
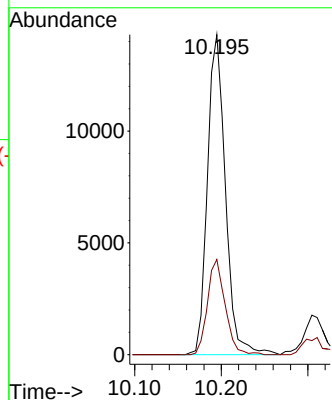
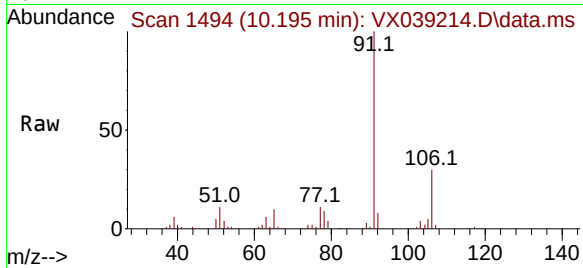




#67
Ethyl Benzene
Concen: 2.218 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. -0.000 min
Lab File: VX039214.D
Acq: 14 Dec 2023 17:28

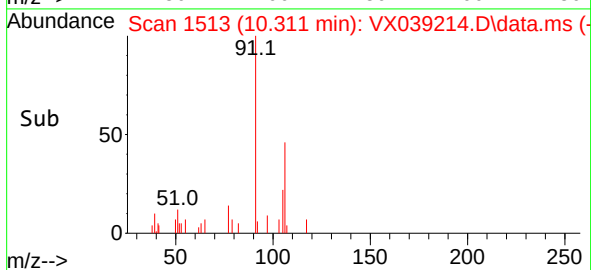
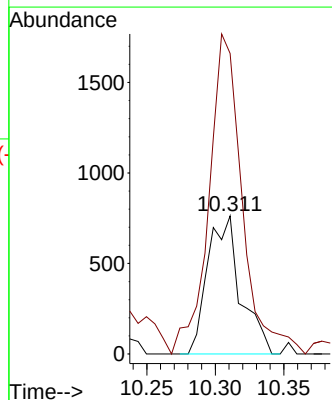
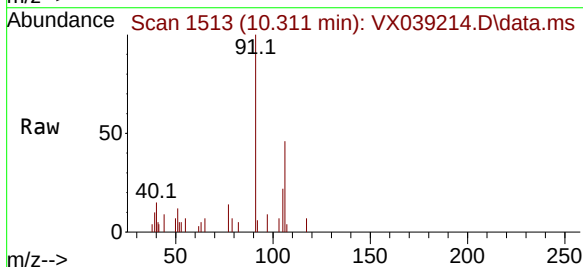
Instrument :
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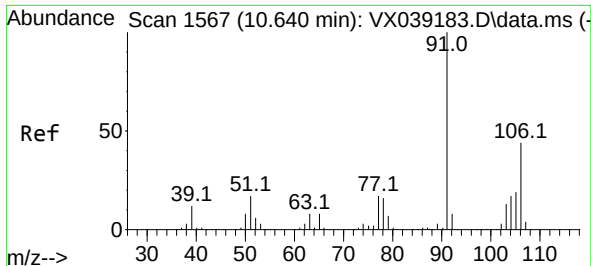
Tgt Ion: 91 Resp: 20613
Ion Ratio Lower Upper
91 100
106 29.7 24.9 37.3



#68
m/p-Xylenes
Concen: 0.383 ug/l
RT: 10.311 min Scan# 1513
Delta R.T. 0.012 min
Lab File: VX039214.D
Acq: 14 Dec 2023 17:28

Tgt Ion: 106 Resp: 1275
Ion Ratio Lower Upper
106 100
91 234.0 165.5 248.3

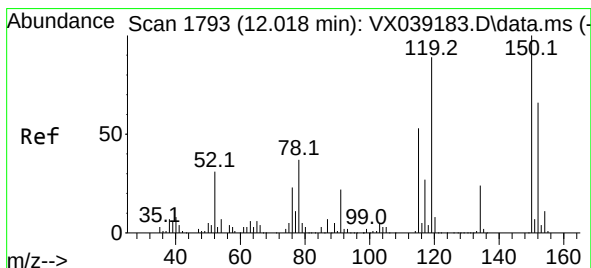
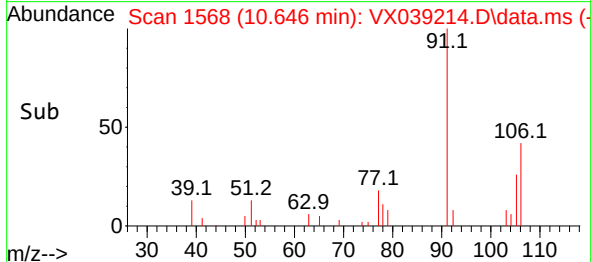
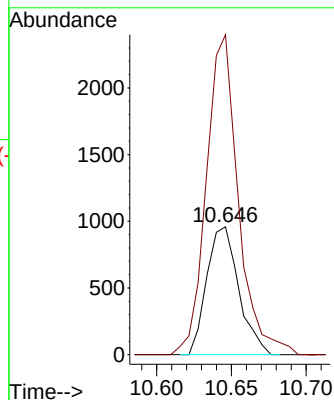
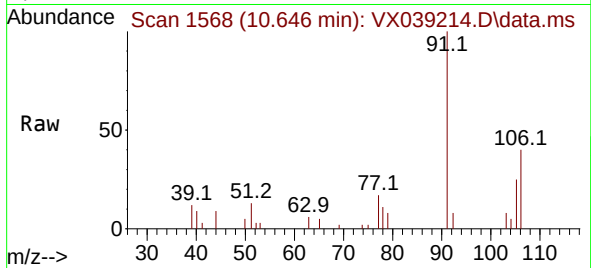




#69
o-Xylene
Concen: 0.441 ug/l
RT: 10.646 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX039214.D
Acq: 14 Dec 2023 17:28

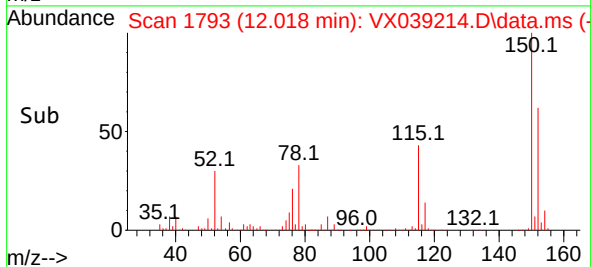
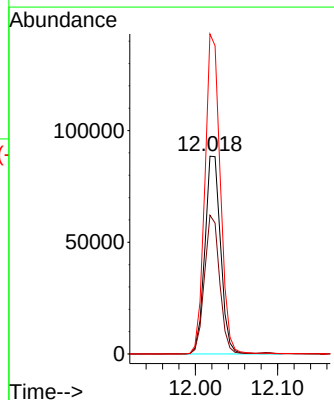
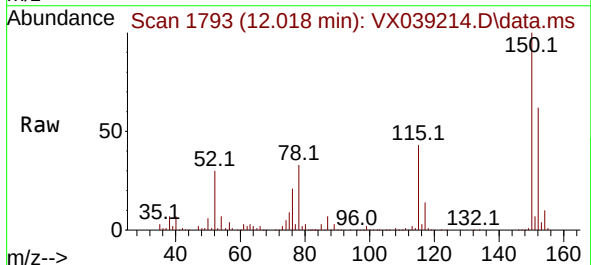
Instrument :
MSVOA_X
ClientSampleId :
MW-13D

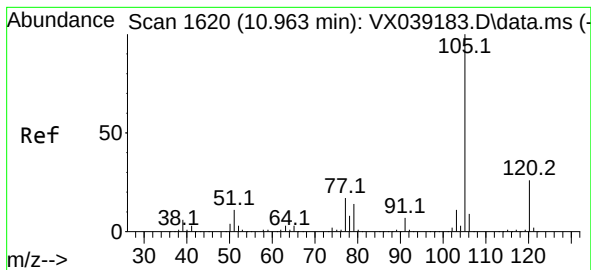
Tgt Ion:106 Resp: 1422
Ion Ratio Lower Upper
106 100
91 250.6 108.9 326.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX039214.D
Acq: 14 Dec 2023 17:28

Tgt Ion:152 Resp: 117587
Ion Ratio Lower Upper
152 100
115 67.6 43.3 129.9
150 159.0 0.0 345.0





#73

Isopropylbenzene

Concen: 0.489 ug/l

RT: 10.963 min Scan# 1620

Delta R.T. -0.000 min

Lab File: VX039214.D

Acq: 14 Dec 2023 17:28

Instrument :

MSVOA_X

ClientSampleId :

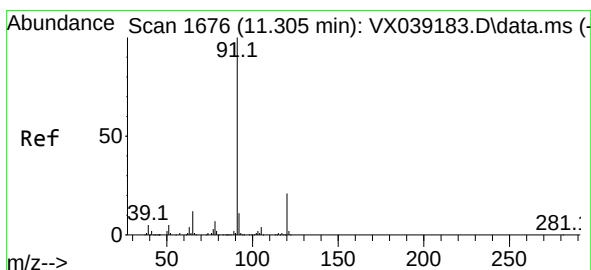
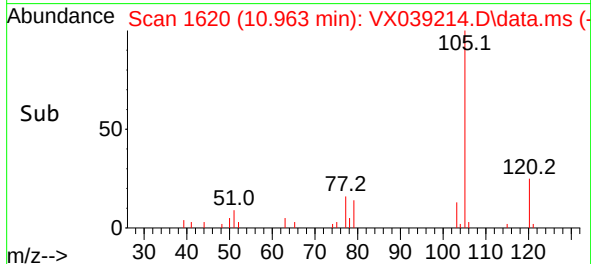
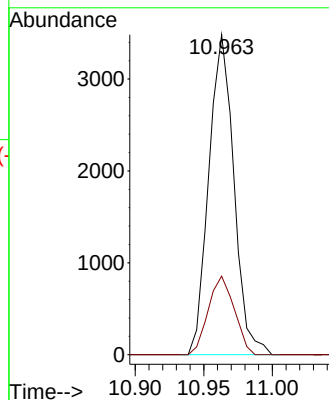
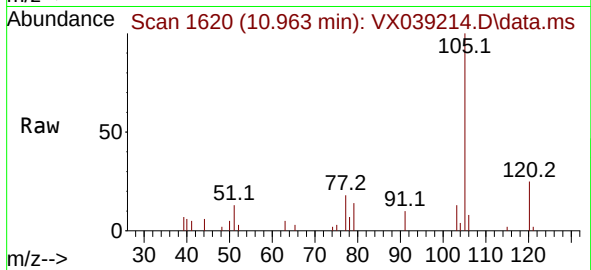
MW-13D

Tgt Ion:105 Resp: 4435

Ion Ratio Lower Upper

105 100

120 25.4 12.9 38.6



#78

n-propylbenzene

Concen: 0.375 ug/l

RT: 11.304 min Scan# 1676

Delta R.T. -0.000 min

Lab File: VX039214.D

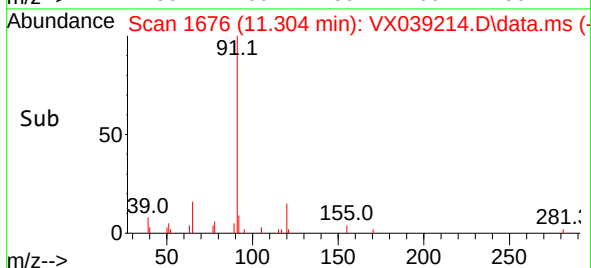
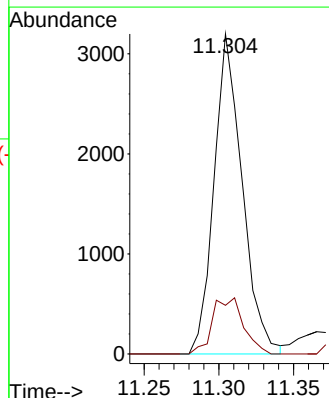
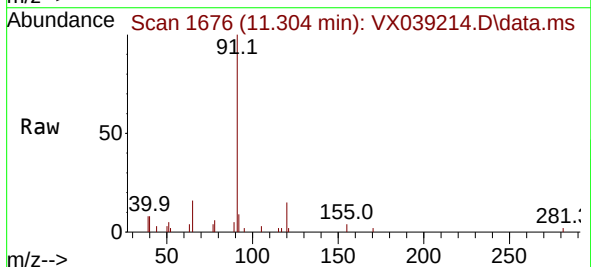
Acq: 14 Dec 2023 17:28

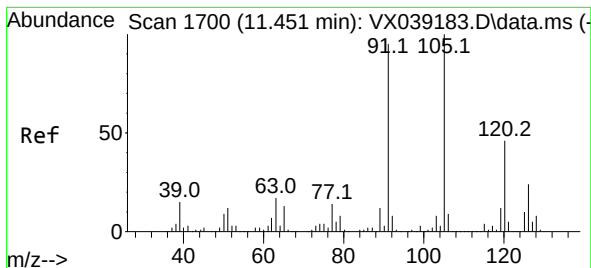
Tgt Ion: 91 Resp: 4190

Ion Ratio Lower Upper

91 100

120 19.3 11.5 34.4





#80

1,3,5-Trimethylbenzene

Concen: 0.219 ug/l

RT: 11.457 min Scan# 1700

Delta R.T. 0.006 min

Lab File: VX039214.D

Acq: 14 Dec 2023 17:28

Instrument :

MSVOA_X

ClientSampleId :

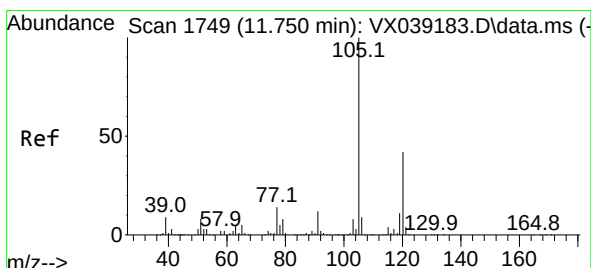
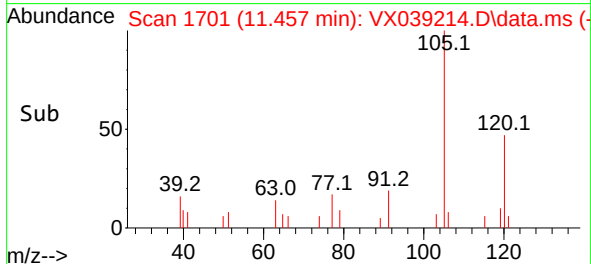
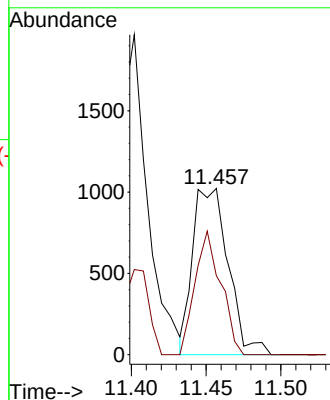
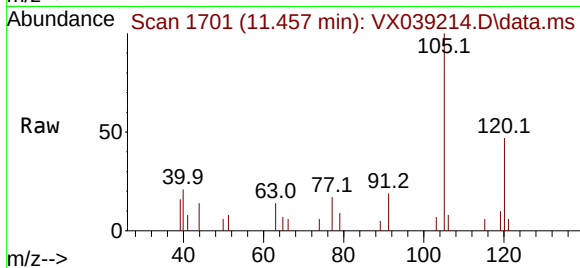
MW-13D

Tgt Ion:105 Resp: 1690

Ion Ratio Lower Upper

105 100

120 54.3 24.1 72.3



#84

1,2,4-Trimethylbenzene

Concen: 2.366 ug/l

RT: 11.749 min Scan# 1749

Delta R.T. -0.000 min

Lab File: VX039214.D

Acq: 14 Dec 2023 17:28

Tgt Ion:105 Resp: 18755

Ion Ratio Lower Upper

105 100

120 42.9 21.2 63.6

