

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071323\
 Data File : VY014635.D
 Acq On : 13 Jul 2023 18:24
 Operator : SY/MD
 Sample : 03601-01
 Misc : 5.09g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 HR-1-071223

Quant Time: Jul 14 04:29:18 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071323S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 14 02:09:50 2023
 Response via : Initial Calibration

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

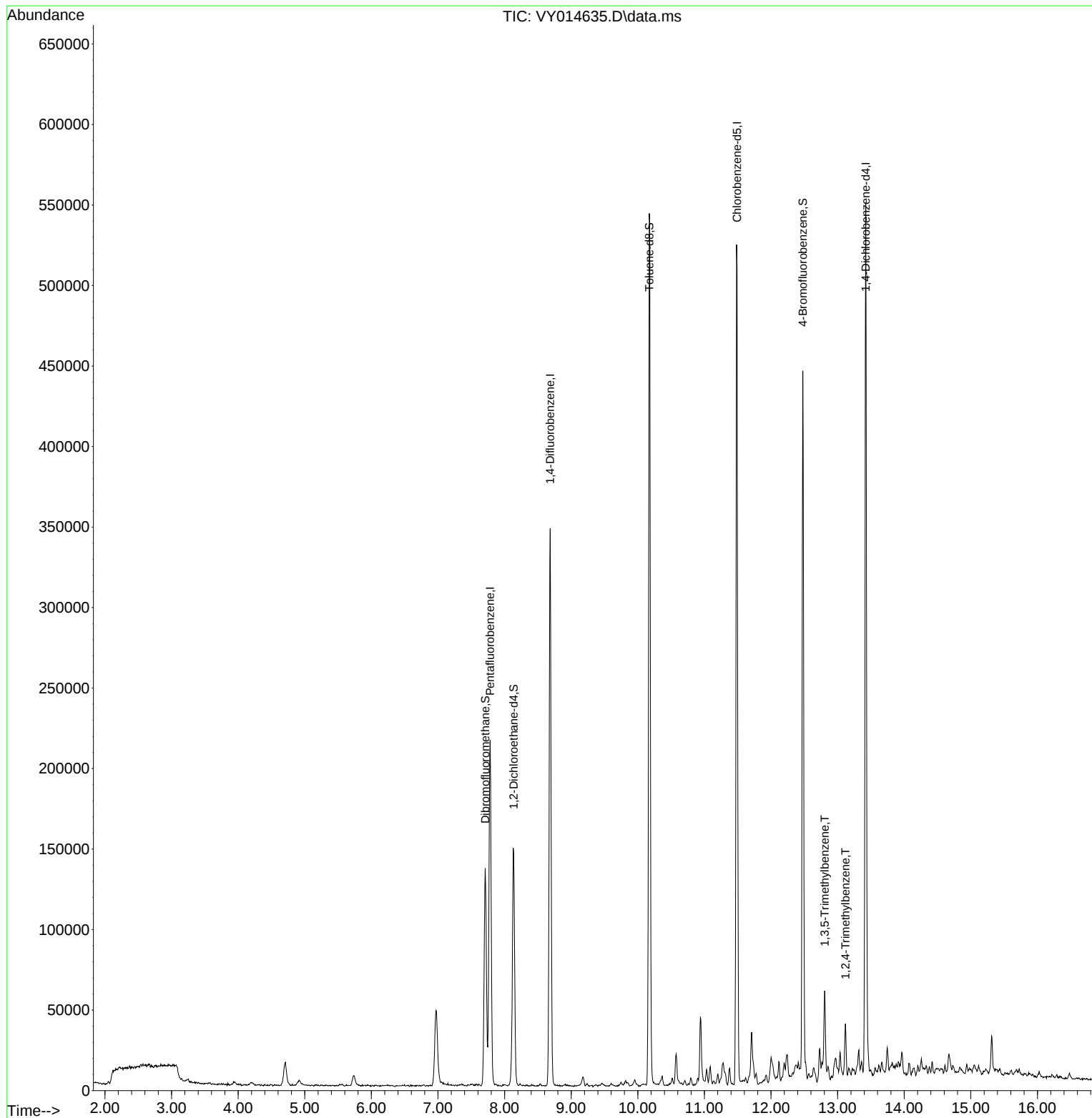
Internal Standards						
1) Pentafluorobenzene	7.783	168	167737	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	298409	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	285006	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	136286	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	111914	58.550	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 117.100%	
35) Dibromofluoromethane	7.710	113	96660	50.884	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 101.760%	
50) Toluene-d8	10.173	98	359310	51.305	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 102.600%	
62) 4-Bromofluorobenzene	12.477	95	138022	51.398	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 102.800%	
Target Compounds						Qvalue
80) 1,3,5-Trimethylbenzene	12.806	105	9922	1.113	ug/l	98
84) 1,2,4-Trimethylbenzene	13.117	105	17226	1.970	ug/l	98

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

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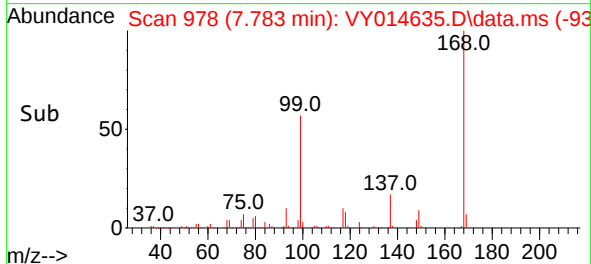
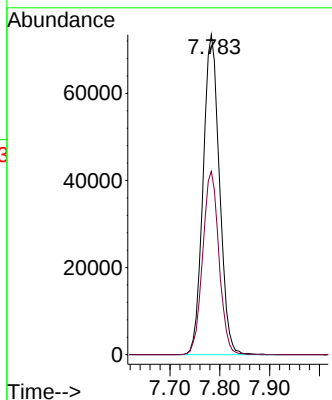
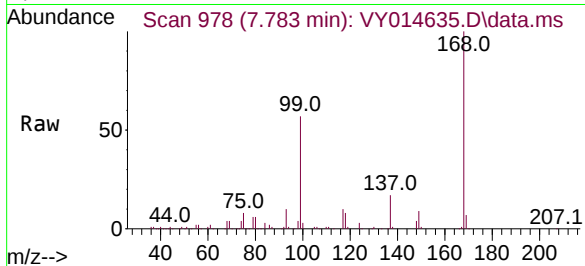




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY014635.D
Acq: 13 Jul 2023 18:24

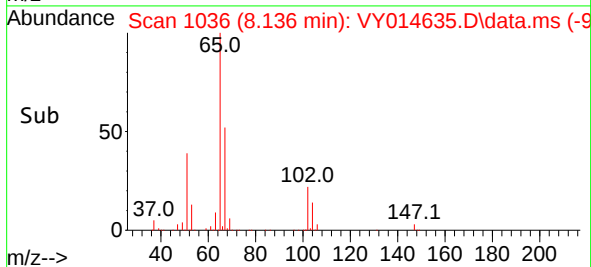
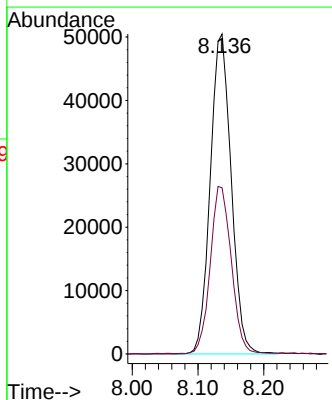
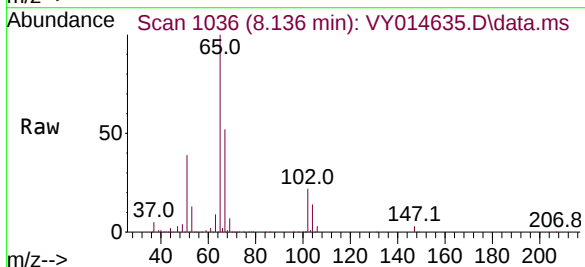
Instrument :
MSVOA_Y
ClientSampleId :
HR-1-071223

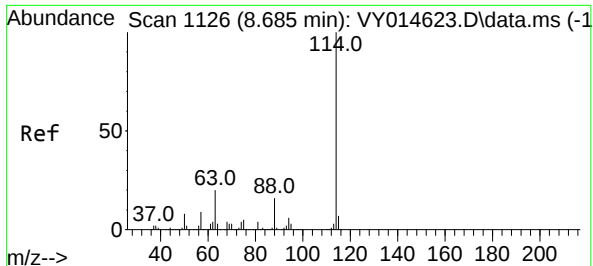
Tgt Ion:168 Resp: 167737
Ion Ratio Lower Upper
168 100
99 57.3 43.4 65.0



#33
1,2-Dichloroethane-d4
Concen: 58.550 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY014635.D
Acq: 13 Jul 2023 18:24

Tgt Ion: 65 Resp: 111914
Ion Ratio Lower Upper
65 100
67 52.2 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY014635.D

Acq: 13 Jul 2023 18:24

Instrument :

MSVOA_Y

ClientSampleId :

HR-1-071223

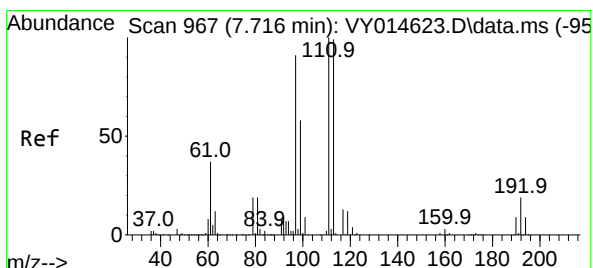
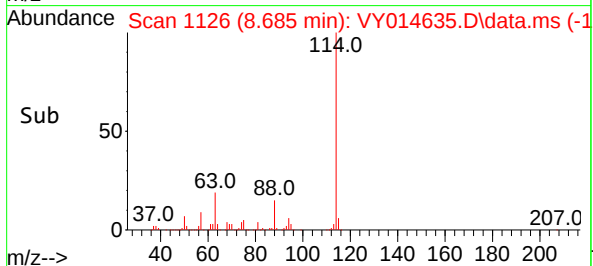
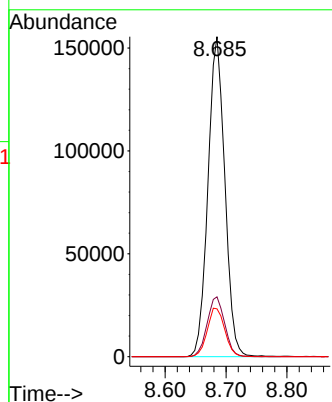
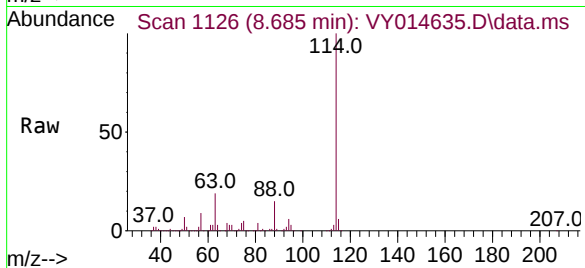
Tgt Ion:114 Resp: 298409

Ion Ratio Lower Upper

114 100

63 18.7 0.0 42.4

88 14.9 0.0 30.6



#35

Dibromofluoromethane

Concen: 50.884 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.006 min

Lab File: VY014635.D

Acq: 13 Jul 2023 18:24

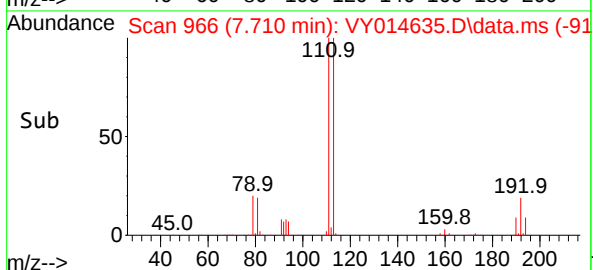
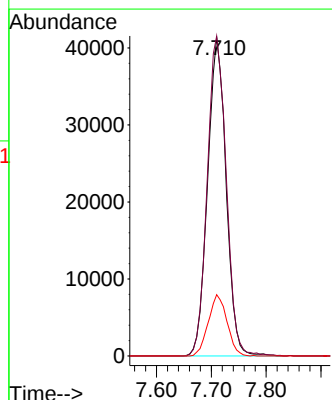
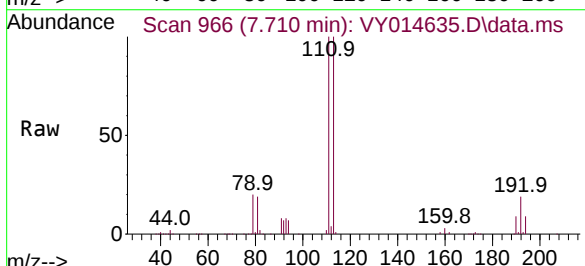
Tgt Ion:113 Resp: 96660

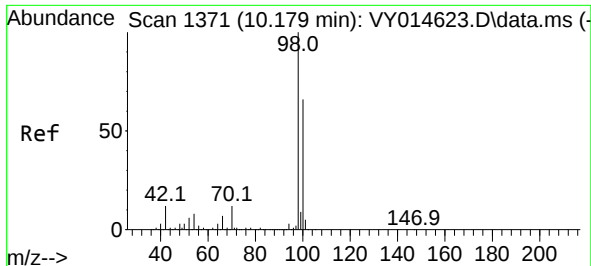
Ion Ratio Lower Upper

113 100

111 103.5 81.3 121.9

192 19.5 16.9 25.3

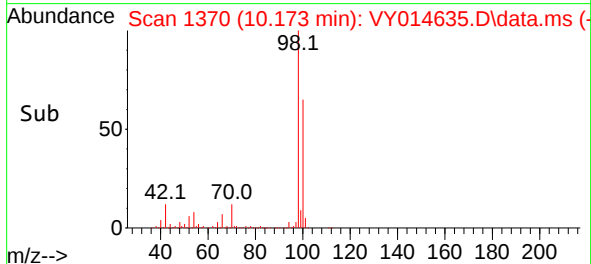
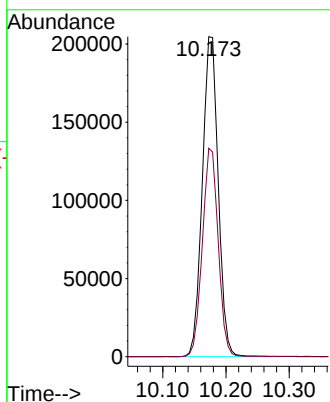
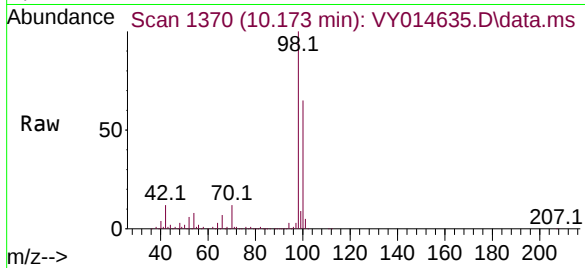




#50
Toluene-d8
Concen: 51.305 ug/l
RT: 10.173 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY014635.D
Acq: 13 Jul 2023 18:24

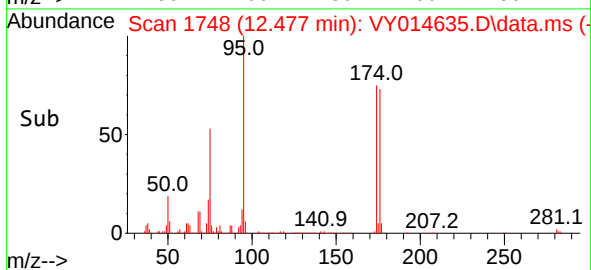
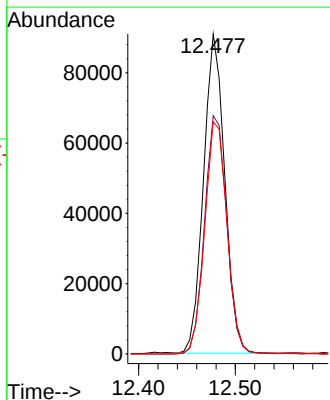
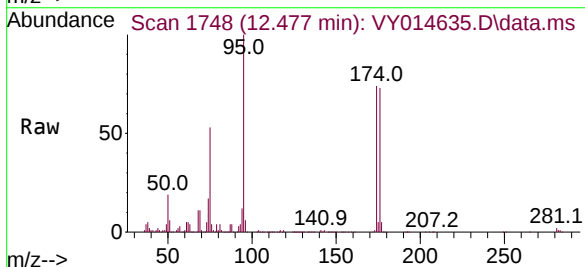
Instrument :
MSVOA_Y
ClientSampleId :
HR-1-071223

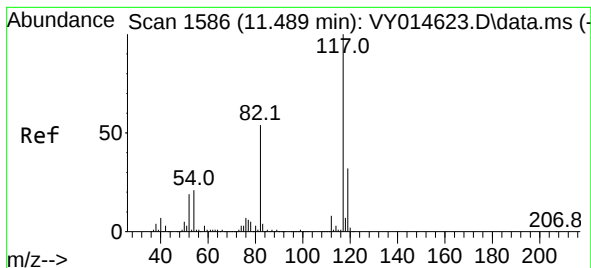
Tgt Ion: 98 Resp: 359310
Ion Ratio Lower Upper
98 100
100 64.8 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 51.398 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY014635.D
Acq: 13 Jul 2023 18:24

Tgt Ion: 95 Resp: 138022
Ion Ratio Lower Upper
95 100
174 78.8 0.0 178.2
176 76.7 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. 0.001 min

Lab File: VY014635.D

Acq: 13 Jul 2023 18:24

Instrument :

MSVOA_Y

ClientSampleId :

HR-1-071223

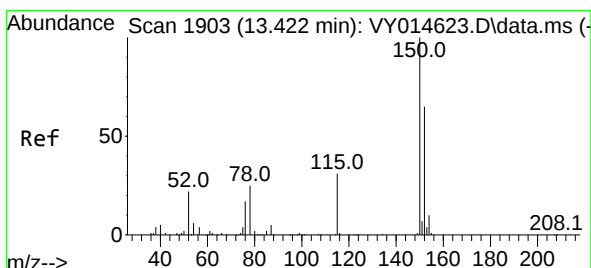
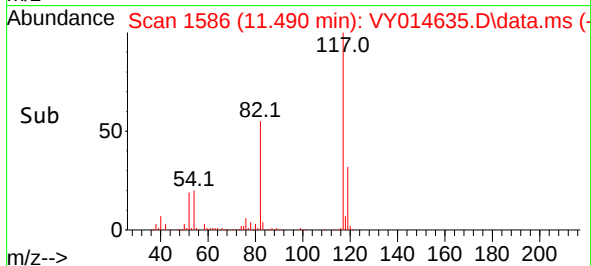
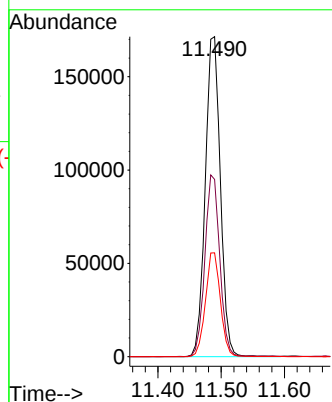
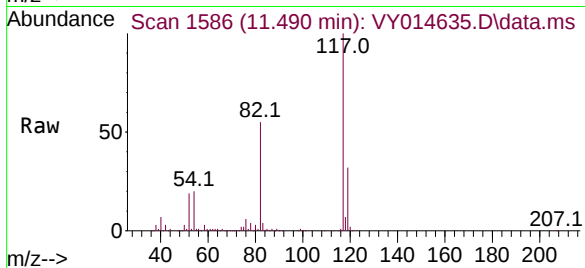
Tgt Ion:117 Resp: 285006

Ion Ratio Lower Upper

117 100

82 55.3 43.4 65.0

119 32.5 26.3 39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VY014635.D

Acq: 13 Jul 2023 18:24

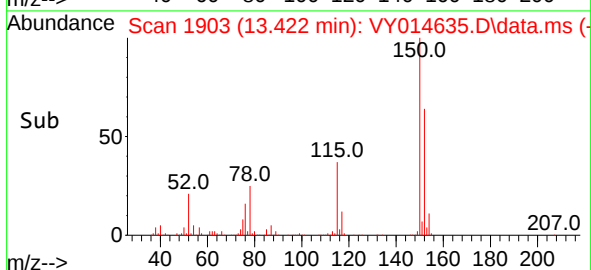
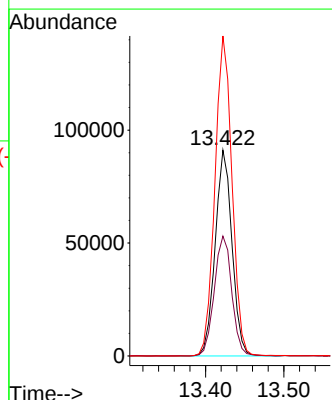
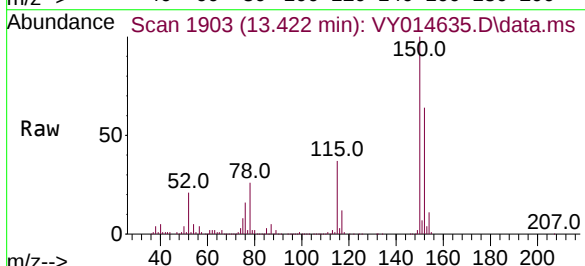
Tgt Ion:152 Resp: 136286

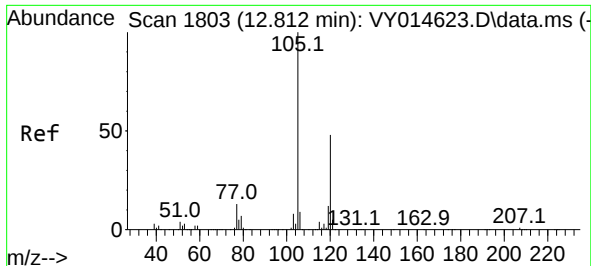
Ion Ratio Lower Upper

152 100

115 60.5 28.8 86.5

150 157.7 0.0 348.8





#80

1,3,5-Trimethylbenzene

Concen: 1.113 ug/l

RT: 12.806 min Scan# 1802

Delta R.T. -0.006 min

Lab File: VY014635.D

Acq: 13 Jul 2023 18:24

Instrument :

MSVOA_Y

ClientSampleId :

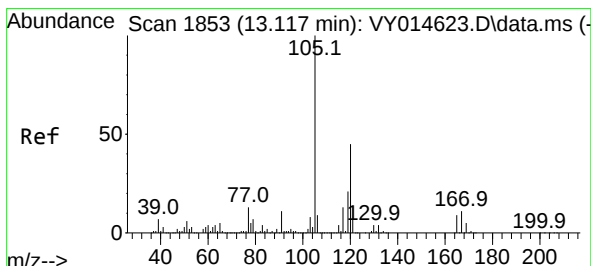
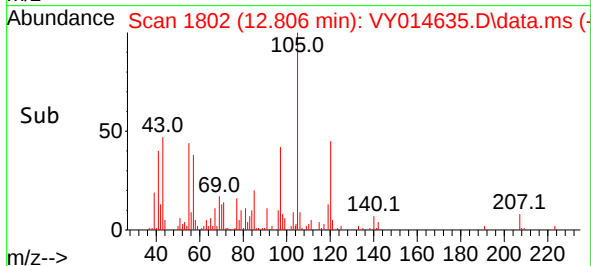
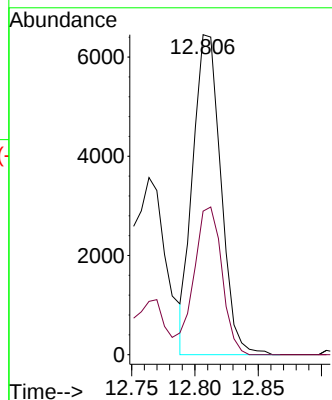
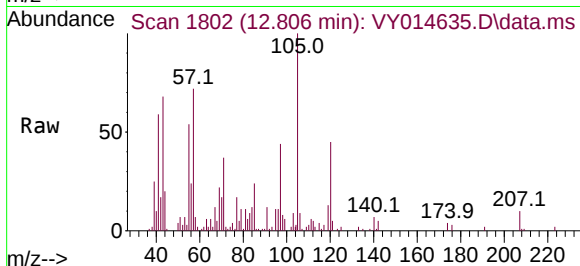
HR-1-071223

Tgt Ion:105 Resp: 9922

Ion Ratio Lower Upper

105 100

120 46.6 23.9 71.7



#84

1,2,4-Trimethylbenzene

Concen: 1.970 ug/l

RT: 13.117 min Scan# 1853

Delta R.T. 0.000 min

Lab File: VY014635.D

Acq: 13 Jul 2023 18:24

Tgt Ion:105 Resp: 17226

Ion Ratio Lower Upper

105 100

120 43.0 22.2 66.6

