

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071723\
 Data File : VY014675.D
 Acq On : 17 Jul 2023 16:19
 Operator : SY/MD
 Sample : 03613-01RE
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TR-4-071323RE

Quant Time: Jul 18 06:11:19 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)

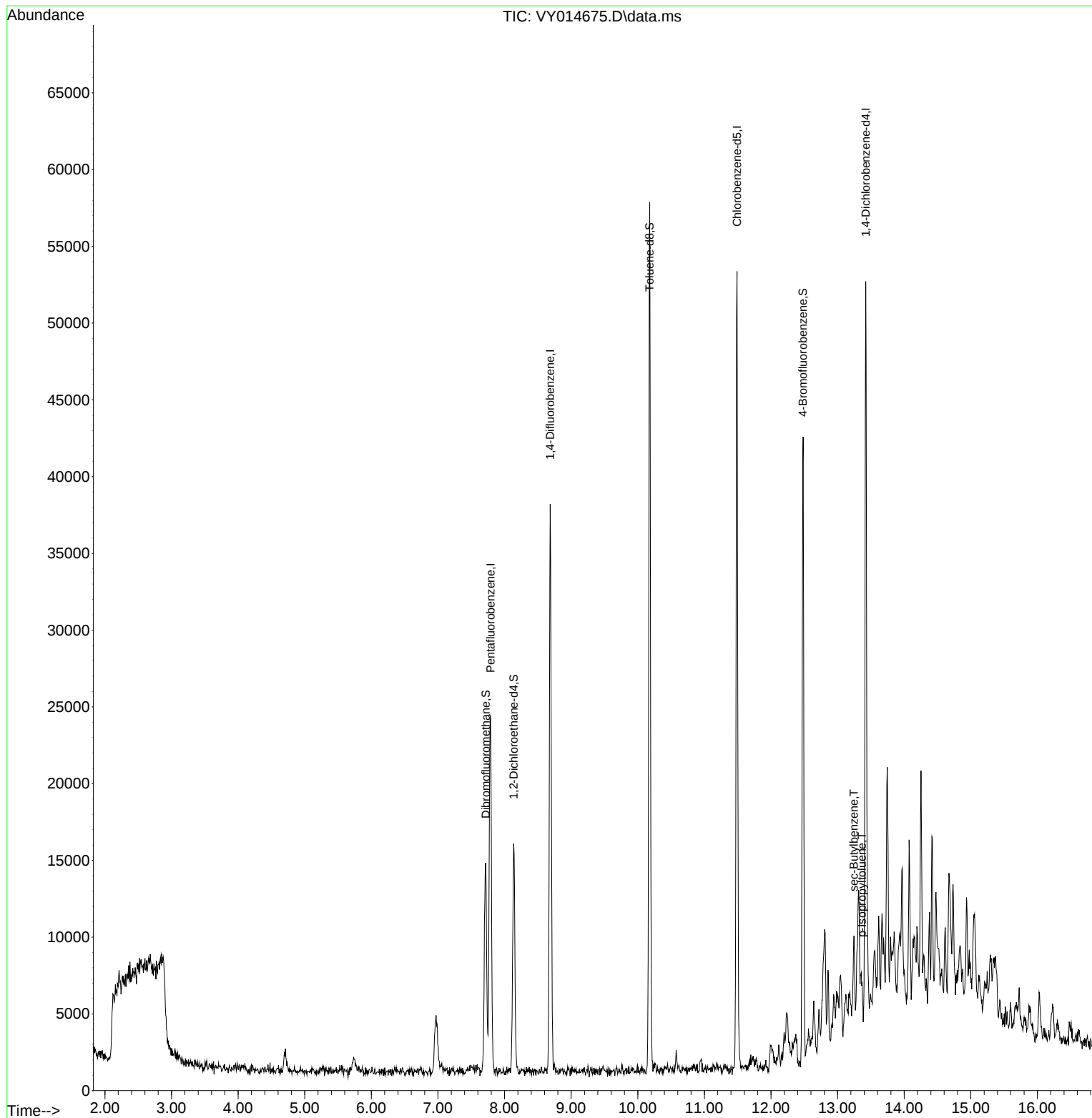
Internal Standards						
1) Pentafluorobenzene	7.789	168	19183	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	32361	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	28677	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	12322	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	11642	53.258	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	106.520%
35) Dibromofluoromethane	7.716	113	9937	48.237	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	96.480%
50) Toluene-d8	10.179	98	37605	49.514	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.020%
62) 4-Bromofluorobenzene	12.477	95	13378	45.938	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	91.880%
Target Compounds						
						Qvalue
85) sec-Butylbenzene	13.245	105	1655	1.578	ug/l	93
86) p-Isopropyltoluene	13.367	119	1053	1.230	ug/l	87

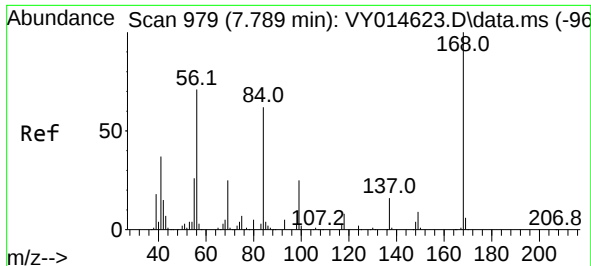
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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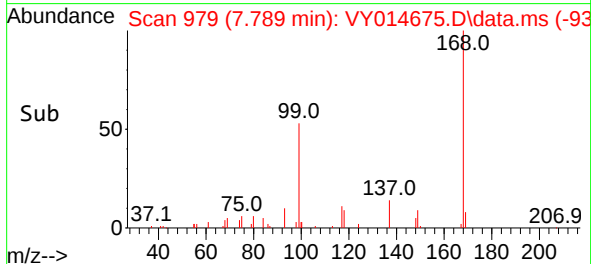
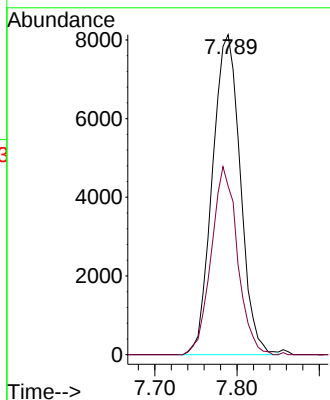
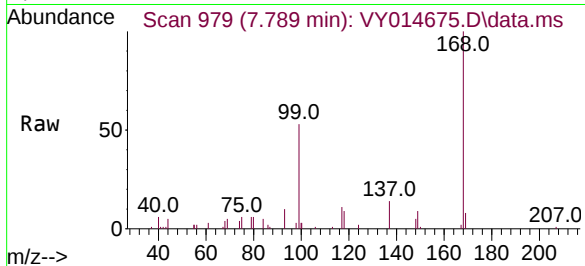




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY014675.D
Acq: 17 Jul 2023 16:19

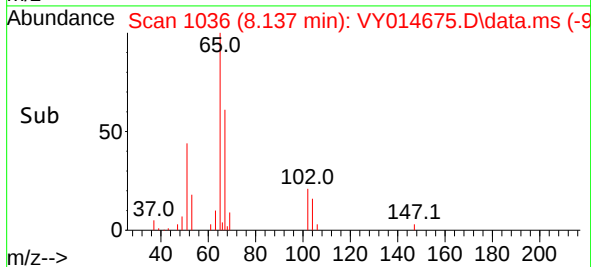
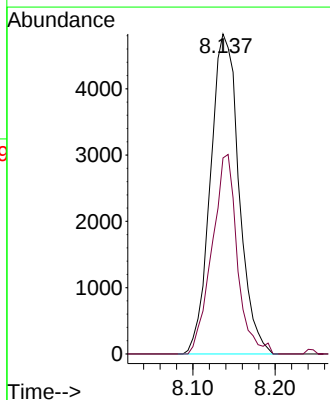
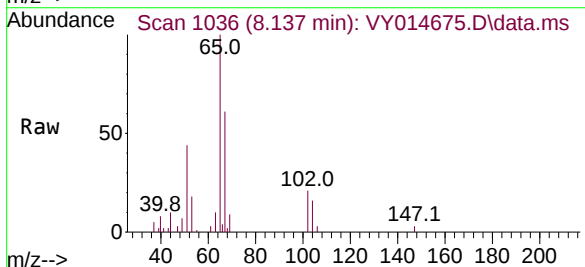
Instrument :
MSVOA_Y
ClientSampleId :
TR-4-071323RE

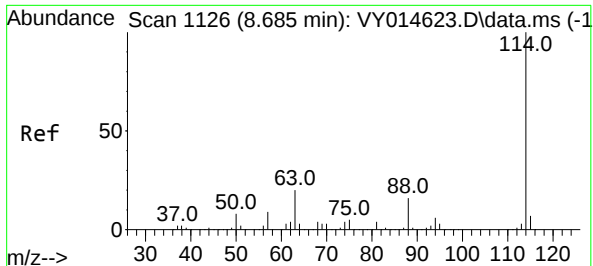
Tgt Ion:168 Resp: 19183
Ion Ratio Lower Upper
168 100
99 52.7 43.4 65.0



#33
1,2-Dichloroethane-d4
Concen: 53.258 ug/l
RT: 8.137 min Scan# 1036
Delta R.T. 0.001 min
Lab File: VY014675.D
Acq: 17 Jul 2023 16:19

Tgt Ion: 65 Resp: 11642
Ion Ratio Lower Upper
65 100
67 55.3 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: VY014675.D

Acq: 17 Jul 2023 16:19

Instrument :

MSVOA_Y

ClientSampleId :

TR-4-071323RE

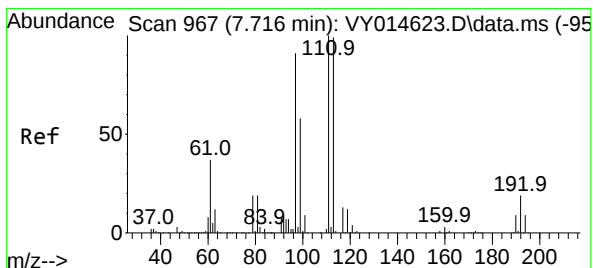
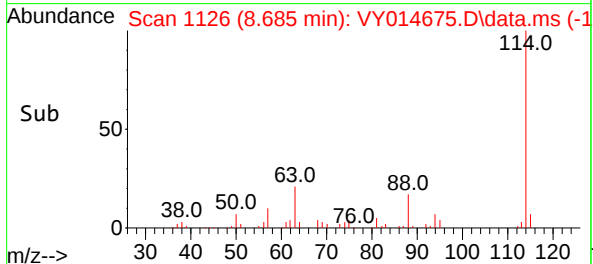
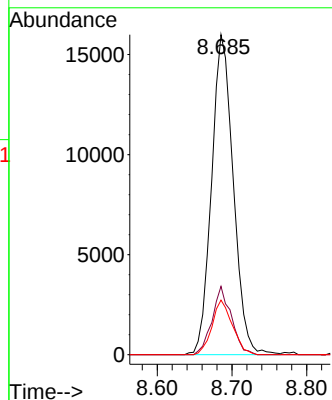
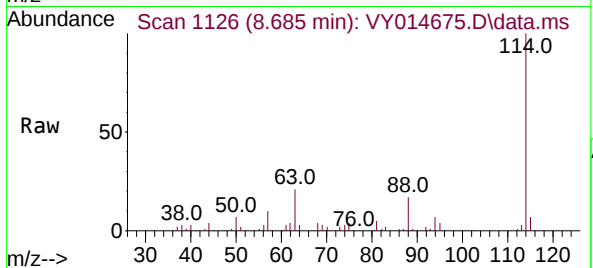
Tgt Ion:114 Resp: 32361

Ion Ratio Lower Upper

114 100

63 21.4 0.0 42.4

88 17.0 0.0 30.6



#35

Dibromofluoromethane

Concen: 48.237 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY014675.D

Acq: 17 Jul 2023 16:19

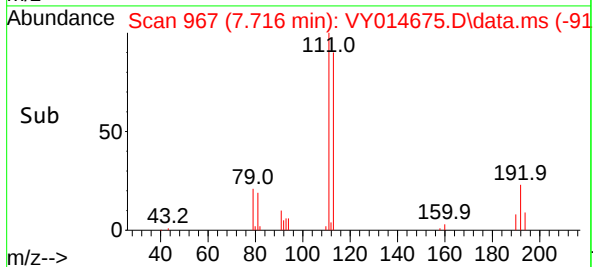
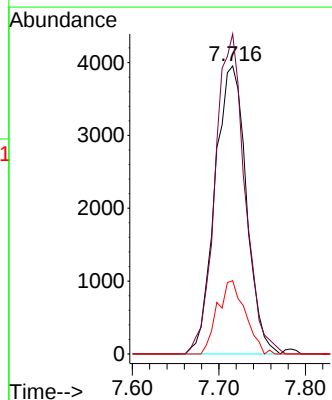
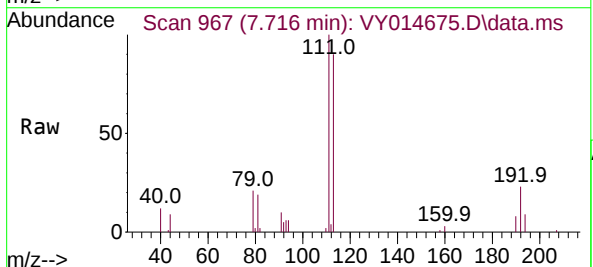
Tgt Ion:113 Resp: 9937

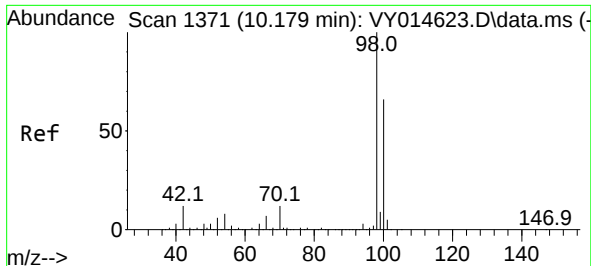
Ion Ratio Lower Upper

113 100

111 104.7 81.3 121.9

192 22.5 16.9 25.3

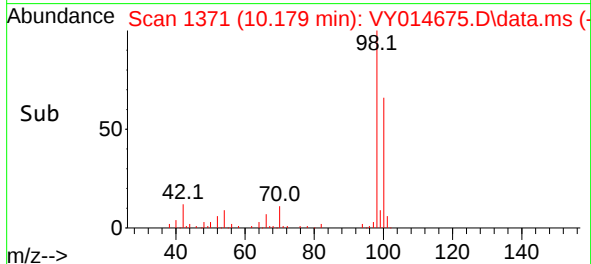
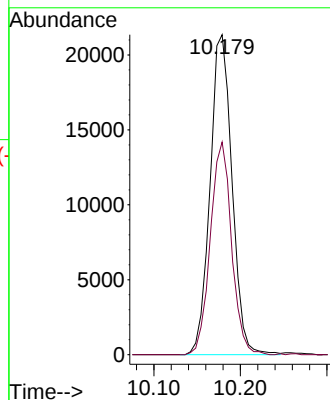
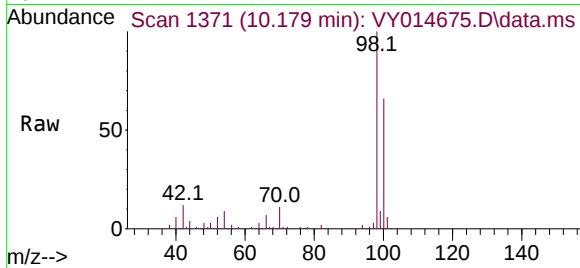




#50
Toluene-d8
Concen: 49.514 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY014675.D
Acq: 17 Jul 2023 16:19

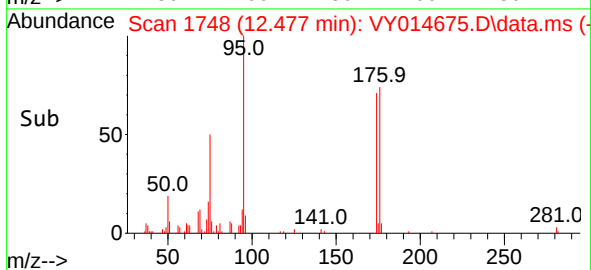
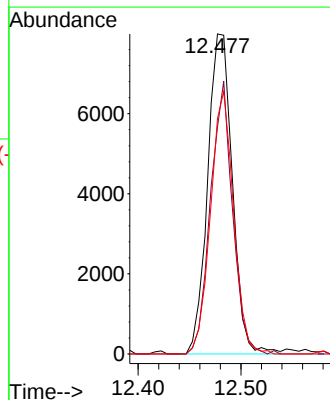
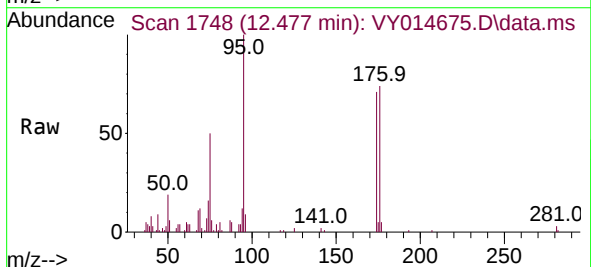
Instrument :
MSVOA_Y
ClientSampleId :
TR-4-071323RE

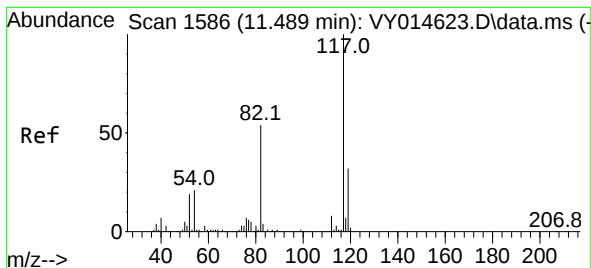
Tgt Ion: 98 Resp: 37605
Ion Ratio Lower Upper
98 100
100 64.2 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 45.938 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY014675.D
Acq: 17 Jul 2023 16:19

Tgt Ion: 95 Resp: 13378
Ion Ratio Lower Upper
95 100
174 75.8 0.0 178.2
176 76.2 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: VY014675.D

Acq: 17 Jul 2023 16:19

Instrument :

MSVOA_Y

ClientSampleId :

TR-4-071323RE

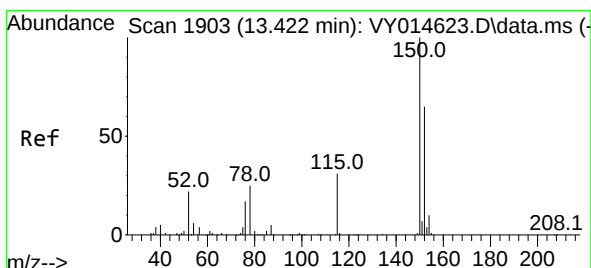
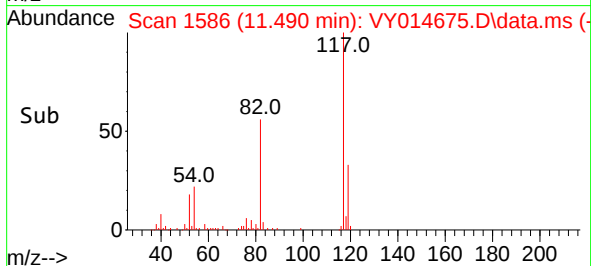
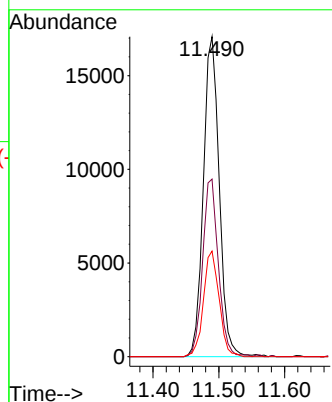
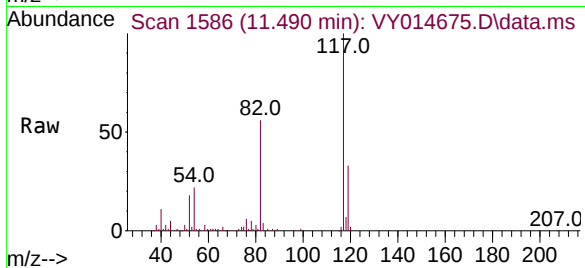
Tgt Ion:117 Resp: 28677

Ion Ratio Lower Upper

117 100

82 55.5 43.4 65.0

119 33.0 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: VY014675.D

Acq: 17 Jul 2023 16:19

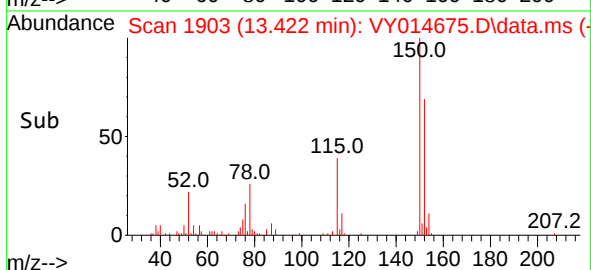
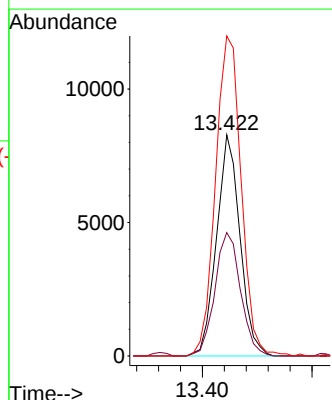
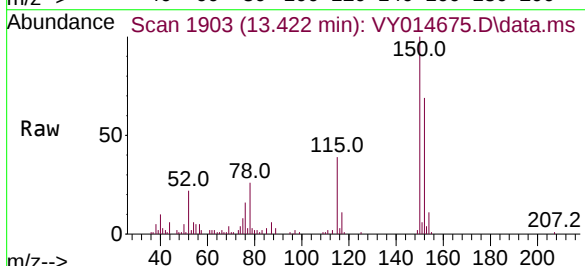
Tgt Ion:152 Resp: 12322

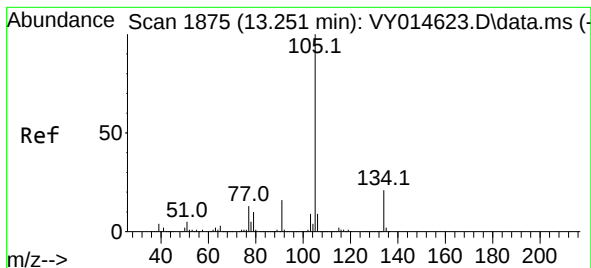
Ion Ratio Lower Upper

152 100

115 60.8 28.8 86.5

150 158.3 0.0 348.8





#85

sec-Butylbenzene

Concen: 1.578 ug/l

RT: 13.245 min Scan# 1875

Delta R.T. -0.006 min

Lab File: VY014675.D

Acq: 17 Jul 2023 16:19

Instrument :

MSVOA_Y

ClientSampleId :

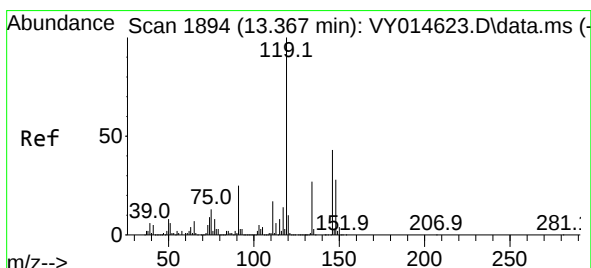
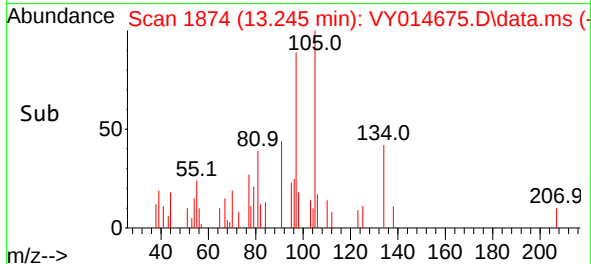
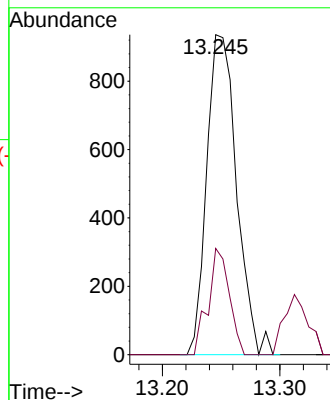
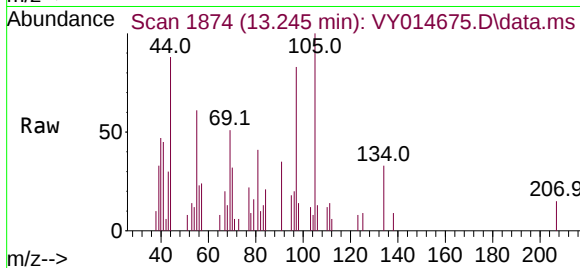
TR-4-071323RE

Tgt Ion:105 Resp: 1655

Ion Ratio Lower Upper

105 100

134 23.4 10.2 30.6



#86

p-Isopropyltoluene

Concen: 1.230 ug/l

RT: 13.367 min Scan# 1894

Delta R.T. 0.000 min

Lab File: VY014675.D

Acq: 17 Jul 2023 16:19

Tgt Ion:119 Resp: 1053

Ion Ratio Lower Upper

119 100

134 30.0 13.3 39.8

91 34.8 12.4 37.4

