

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091523\
 Data File : VY015602.D
 Acq On : 16 Sep 2023 05:07
 Operator : SY/MD
 Sample : 04419-14
 Misc : 5.41g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 DB-08(23-25)

Quant Time: Sep 16 05:31:12 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y082923S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 31 20:01:47 2023
 Response via : Initial Calibration

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

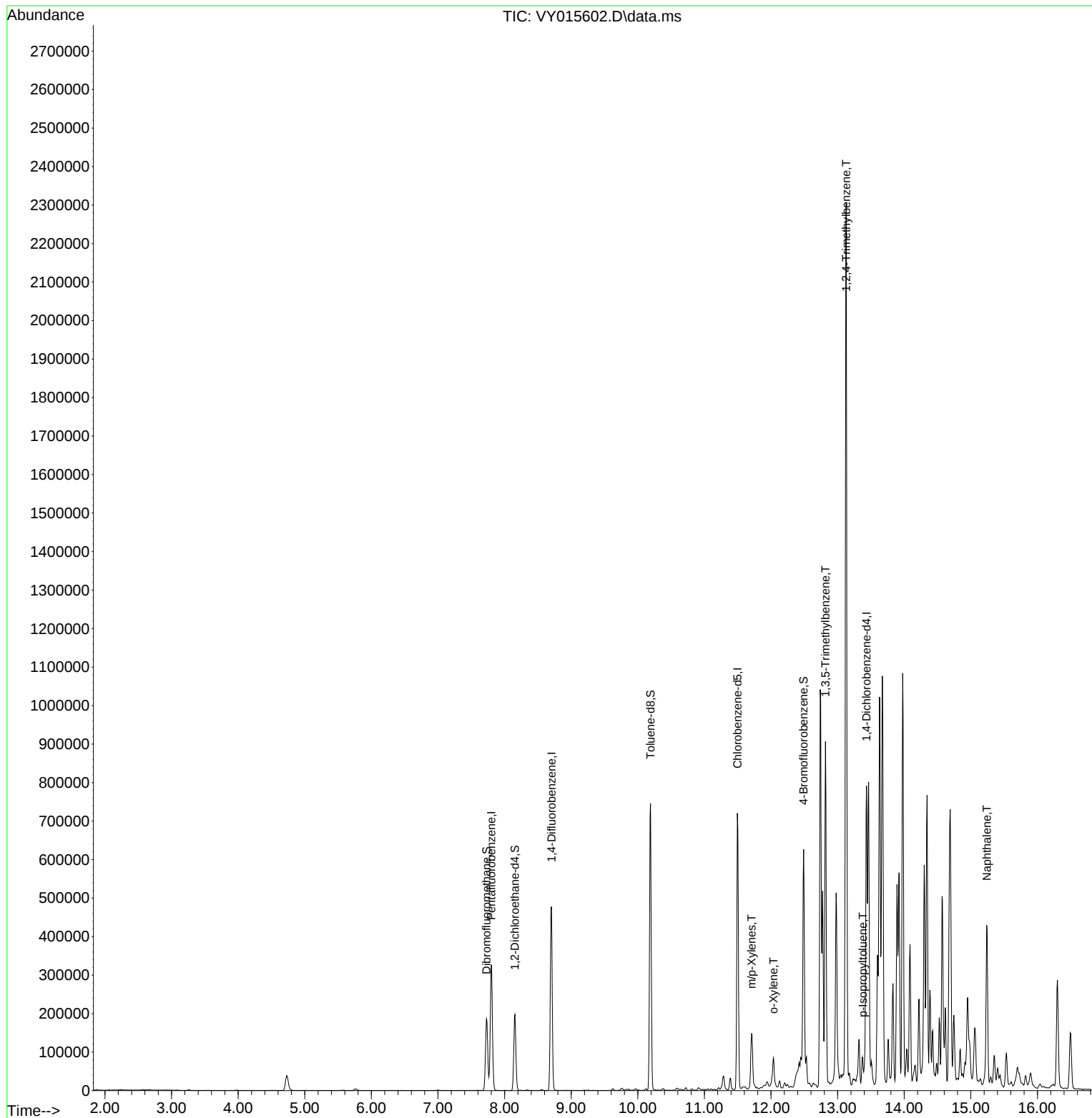
Internal Standards						
1) Pentafluorobenzene	7.801	168	256895	50.000	ug/l	0.02
34) 1,4-Difluorobenzene	8.703	114	425051	50.000	ug/l	0.02
63) Chlorobenzene-d5	11.495	117	390895	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	187674	50.000	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	154537	56.116	ug/l	0.02
Spiked Amount	50.000	Range	50 - 163	Recovery	= 112.240%	
35) Dibromofluoromethane	7.728	113	134524	54.948	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 109.900%	
50) Toluene-d8	10.191	98	494477	55.773	ug/l	0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	= 111.540%	
62) 4-Bromofluorobenzene	12.489	95	181189	55.050	ug/l	0.01
Spiked Amount	50.000	Range	30 - 143	Recovery	= 110.100%	
Target Compounds						
					Qvalue	
68) m/p-Xylenes	11.709	106	41760	7.123	ug/l	98
69) o-Xylene	12.038	106	18872	3.368	ug/l	98
80) 1,3,5-Trimethylbenzene	12.818	105	431630	36.607	ug/l	98
84) 1,2,4-Trimethylbenzene	13.129	105	1225762	104.702	ug/l	97
86) p-Isopropyltoluene	13.379	119	18282	1.416	ug/l	96
95) Naphthalene	15.239	128	335558	35.859	ug/l	99

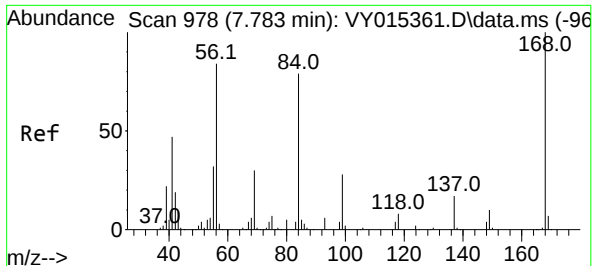
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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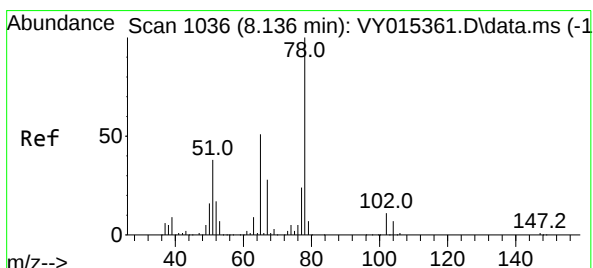
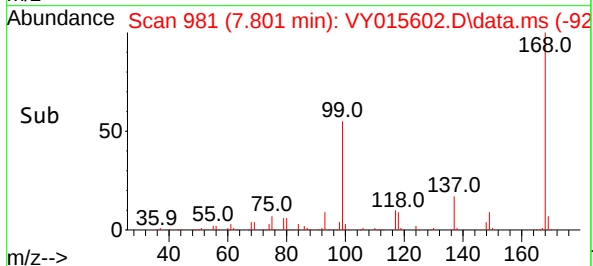
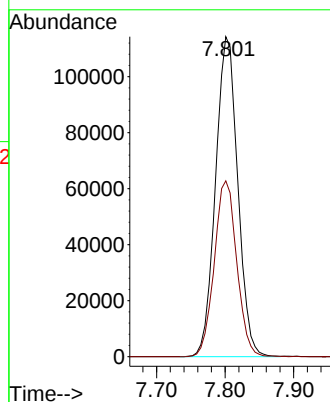
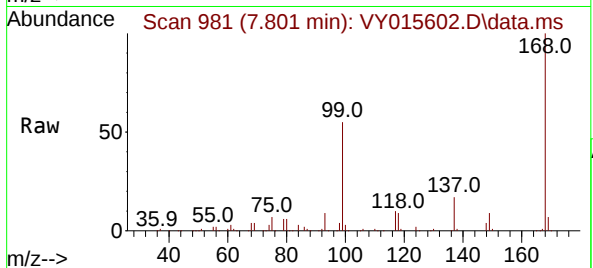




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 91
Delta R.T. 0.018 min
Lab File: VY015602.D
Acq: 16 Sep 2023 05:07

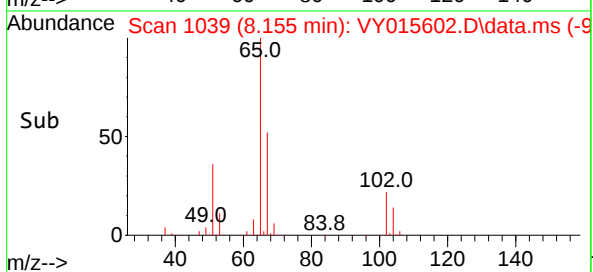
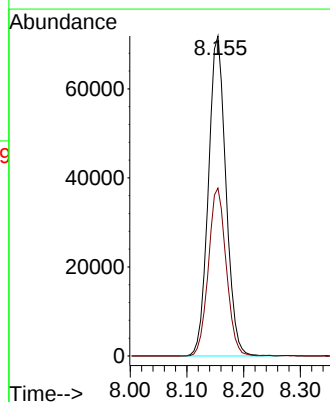
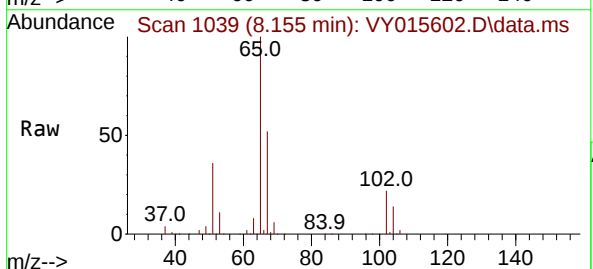
Instrument :
MSVOA_Y
ClientSampleId :
DB-08(23-25)

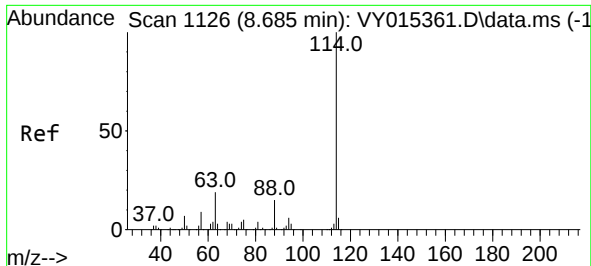
Tgt Ion:168 Resp: 256895
Ion Ratio Lower Upper
168 100
99 54.9 43.4 65.0



#33
1,2-Dichloroethane-d4
Concen: 56.116 ug/l
RT: 8.155 min Scan# 1039
Delta R.T. 0.018 min
Lab File: VY015602.D
Acq: 16 Sep 2023 05:07

Tgt Ion: 65 Resp: 154537
Ion Ratio Lower Upper
65 100
67 53.2 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.703 min Scan# 1126

Delta R.T. 0.018 min

Lab File: VY015602.D

Acq: 16 Sep 2023 05:07

Instrument :

MSVOA_Y

ClientSampleId :

DB-08(23-25)

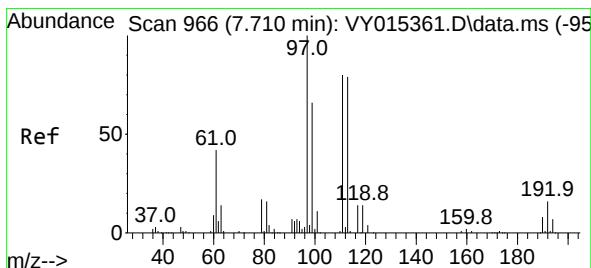
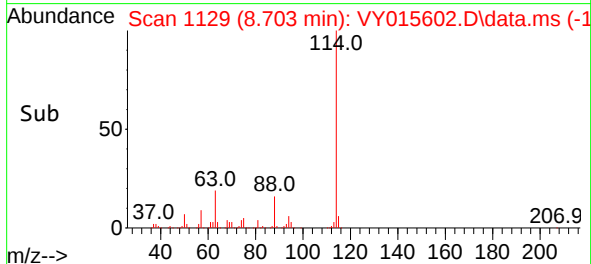
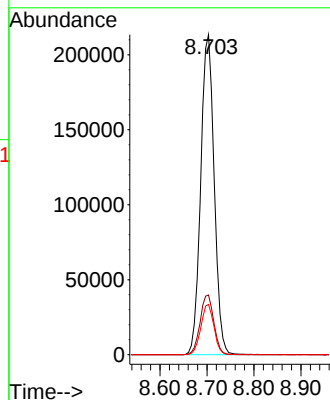
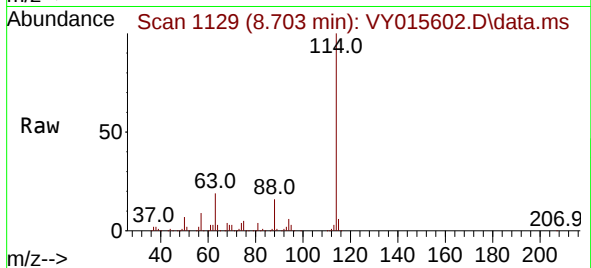
Tgt Ion:114 Resp: 425051

Ion Ratio Lower Upper

114 100

63 18.6 0.0 42.4

88 15.7 0.0 30.6



#35

Dibromofluoromethane

Concen: 54.948 ug/l

RT: 7.728 min Scan# 969

Delta R.T. 0.012 min

Lab File: VY015602.D

Acq: 16 Sep 2023 05:07

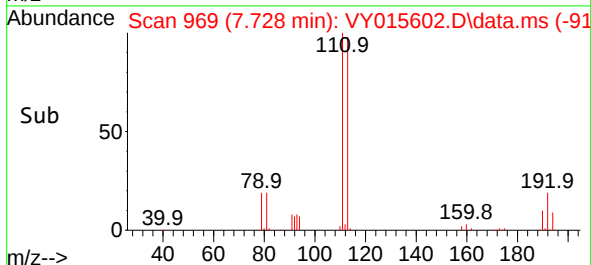
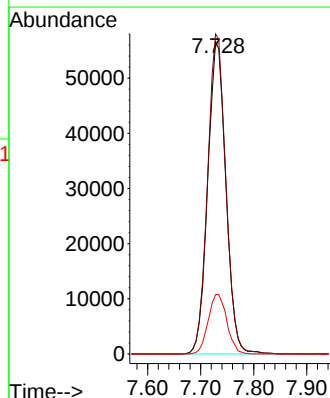
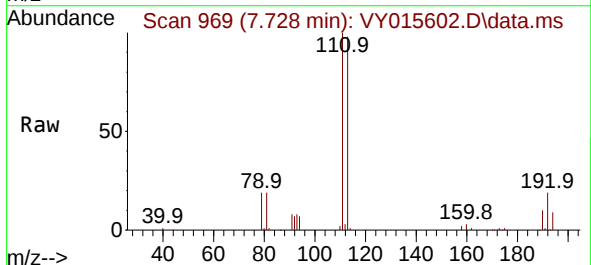
Tgt Ion:113 Resp: 134524

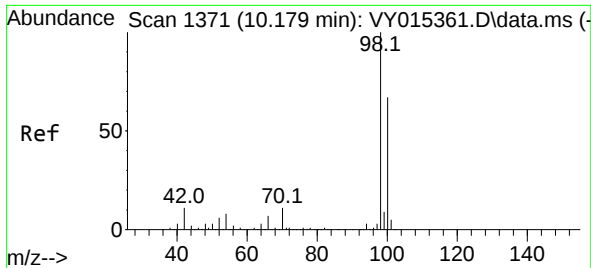
Ion Ratio Lower Upper

113 100

111 103.1 81.3 121.9

192 19.5 16.9 25.3

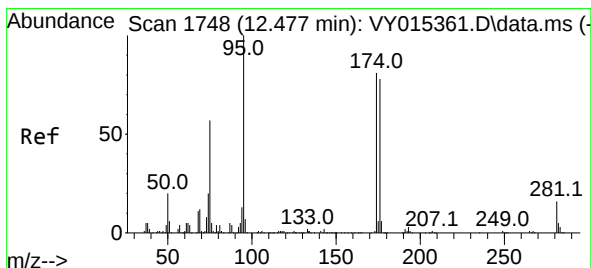
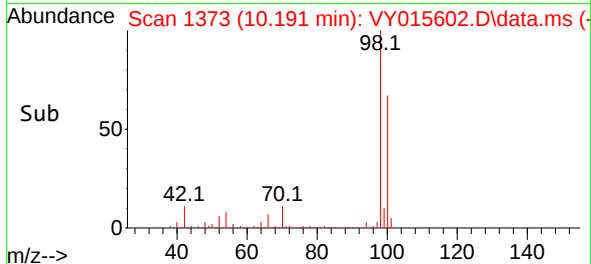
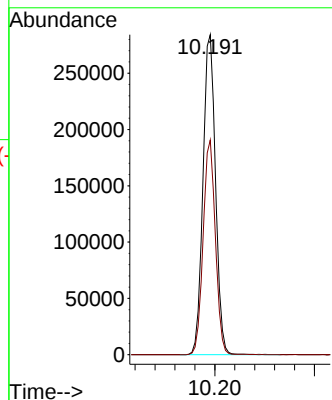
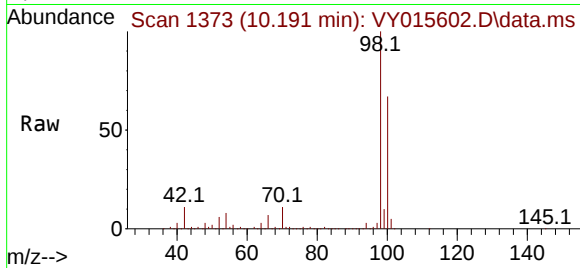




#50
Toluene-d8
Concen: 55.773 ug/l
RT: 10.191 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY015602.D
Acq: 16 Sep 2023 05:07

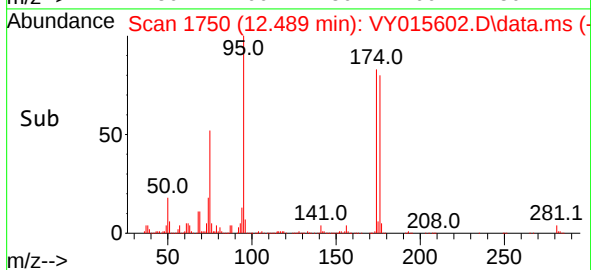
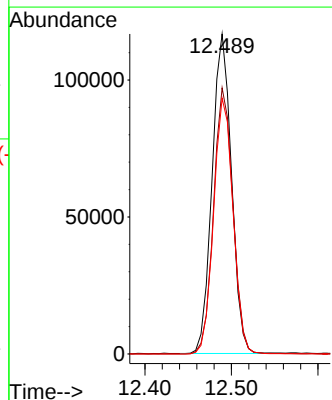
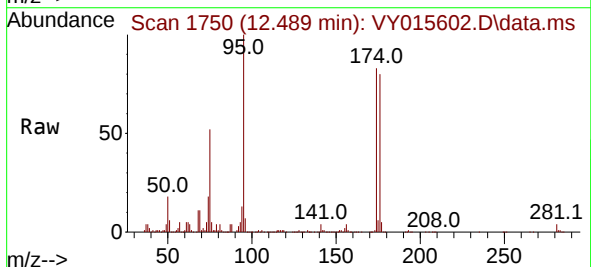
Instrument :
MSVOA_Y
ClientSampleId :
DB-08(23-25)

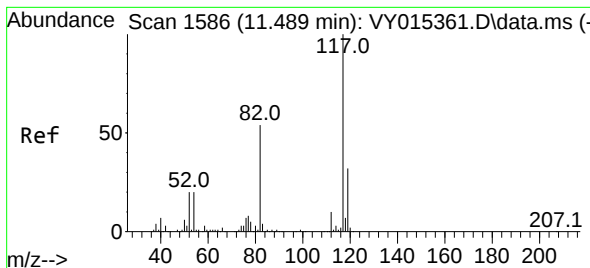
Tgt Ion: 98 Resp: 494477
Ion Ratio Lower Upper
98 100
100 65.6 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 55.050 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.012 min
Lab File: VY015602.D
Acq: 16 Sep 2023 05:07

Tgt Ion: 95 Resp: 181189
Ion Ratio Lower Upper
95 100
174 83.3 0.0 178.2
176 80.4 0.0 173.8

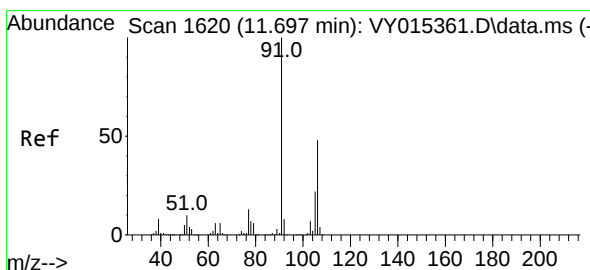
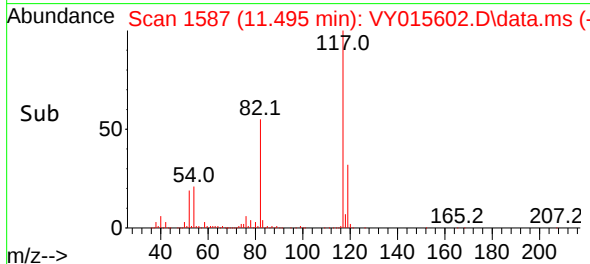
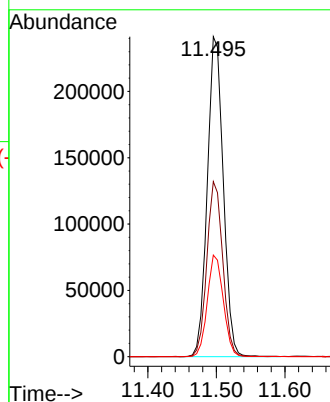
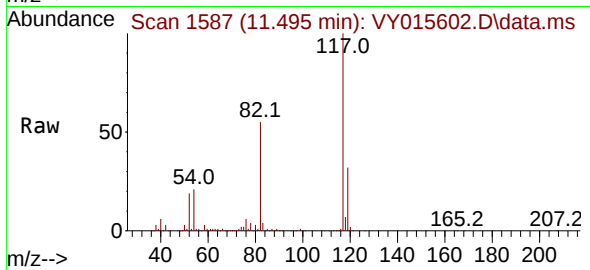




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.495 min Scan# 1170
Delta R.T. 0.006 min
Lab File: VY015602.D
Acq: 16 Sep 2023 05:07

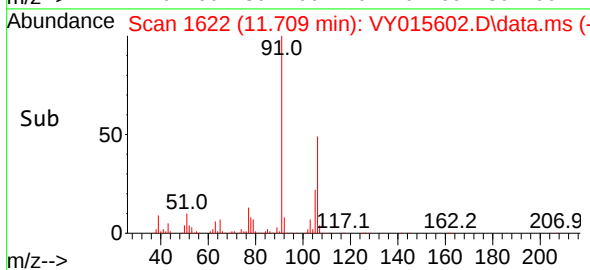
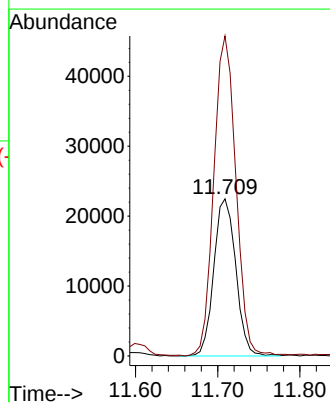
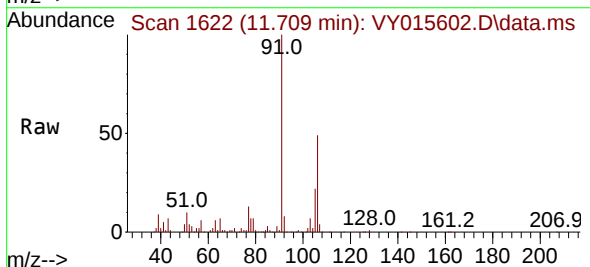
Instrument :
MSVOA_Y
ClientSampleId :
DB-08(23-25)

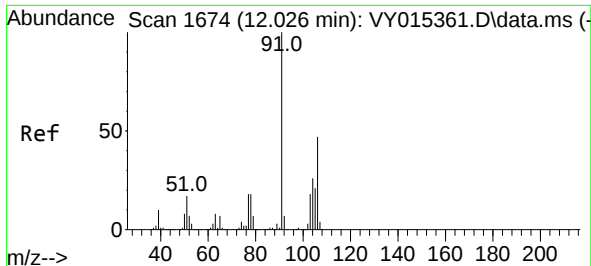
Tgt Ion:117 Resp: 390895
Ion Ratio Lower Upper
117 100
82 54.7 43.4 65.0
119 31.8 26.3 39.5



#68
m/p-Xylenes
Concen: 7.123 ug/l
RT: 11.709 min Scan# 1622
Delta R.T. 0.006 min
Lab File: VY015602.D
Acq: 16 Sep 2023 05:07

Tgt Ion:106 Resp: 41760
Ion Ratio Lower Upper
106 100
91 205.2 166.1 249.1





#69

o-Xylene

Concen: 3.368 ug/l

RT: 12.038 min Scan# 1

Delta R.T. 0.012 min

Lab File: VY015602.D

Acq: 16 Sep 2023 05:07

Instrument :

MSVOA_Y

ClientSampleId :

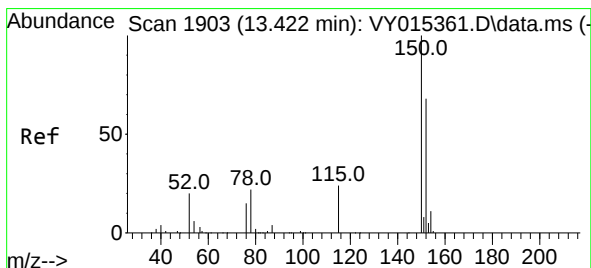
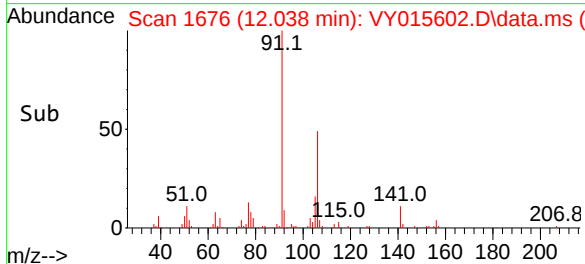
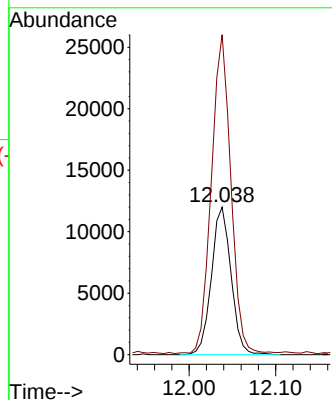
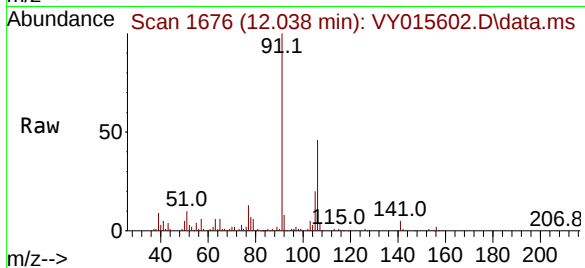
DB-08(23-25)

Tgt Ion:106 Resp: 18872

Ion Ratio Lower Upper

106 100

91 212.7 108.1 324.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.434 min Scan# 1905

Delta R.T. 0.012 min

Lab File: VY015602.D

Acq: 16 Sep 2023 05:07

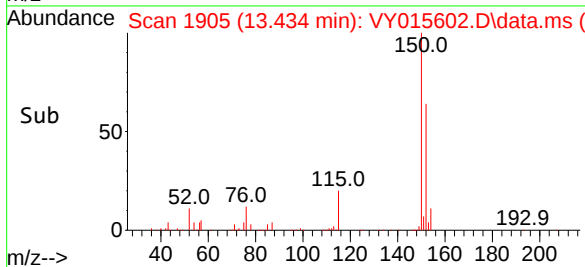
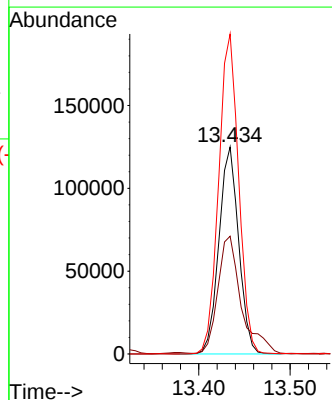
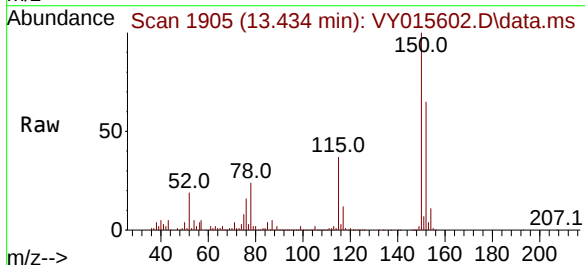
Tgt Ion:152 Resp: 187674

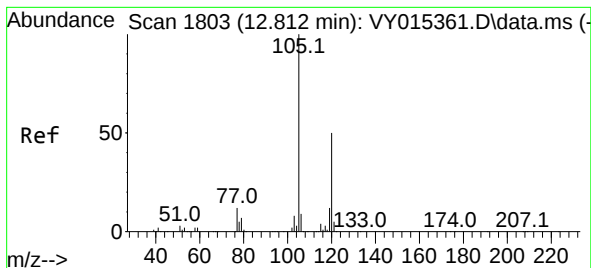
Ion Ratio Lower Upper

152 100

115 67.3 28.8 86.5

150 156.6 0.0 348.8





#80

1,3,5-Trimethylbenzene

Concen: 36.607 ug/l

RT: 12.818 min Scan# 1803

Delta R.T. 0.006 min

Lab File: VY015602.D

Acq: 16 Sep 2023 05:07

Instrument :

MSVOA_Y

ClientSampleId :

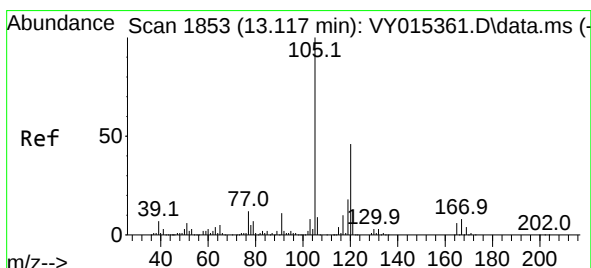
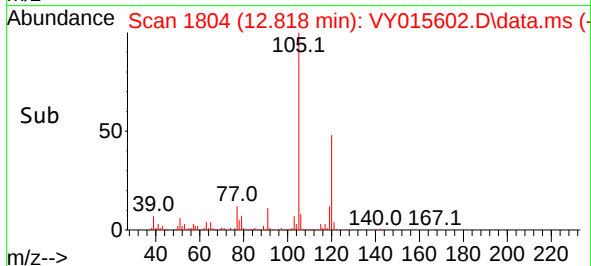
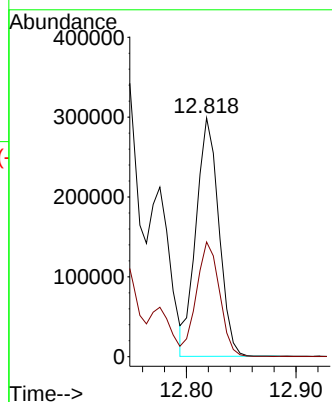
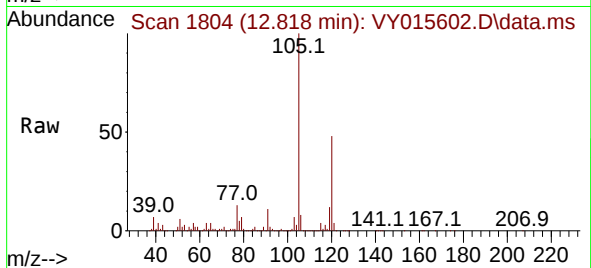
DB-08(23-25)

Tgt Ion:105 Resp: 431630

Ion Ratio Lower Upper

105 100

120 48.8 23.9 71.7



#84

1,2,4-Trimethylbenzene

Concen: 104.702 ug/l

RT: 13.129 min Scan# 1855

Delta R.T. 0.012 min

Lab File: VY015602.D

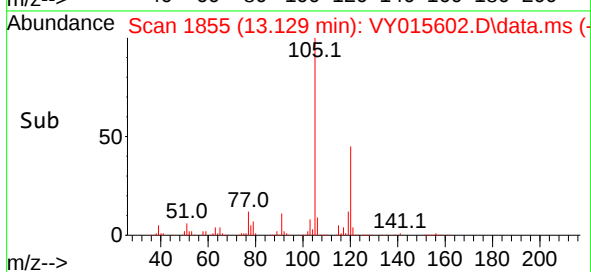
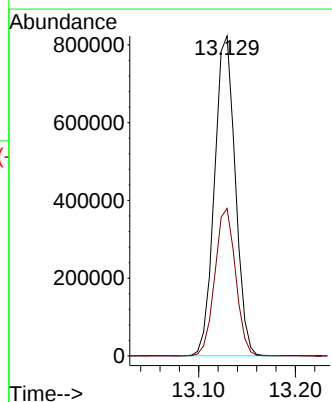
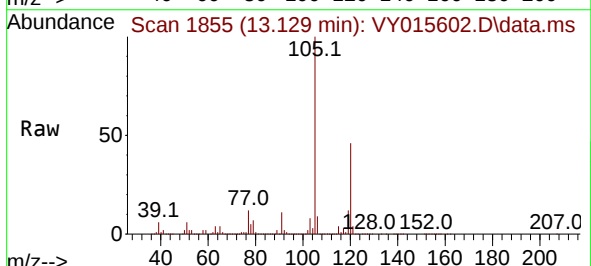
Acq: 16 Sep 2023 05:07

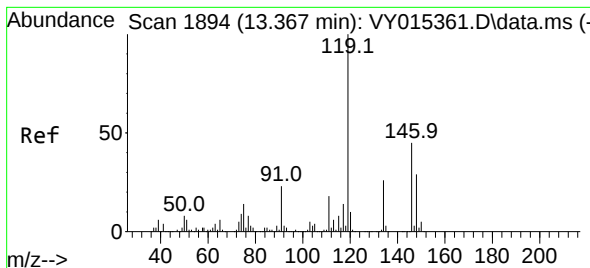
Tgt Ion:105 Resp: 1225762

Ion Ratio Lower Upper

105 100

120 46.0 22.2 66.6





#86

p-Isopropyltoluene

Concen: 1.416 ug/l

RT: 13.379 min Scan# 119

Delta R.T. 0.012 min

Lab File: VY015602.D

Acq: 16 Sep 2023 05:07

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DB-08(23-25)

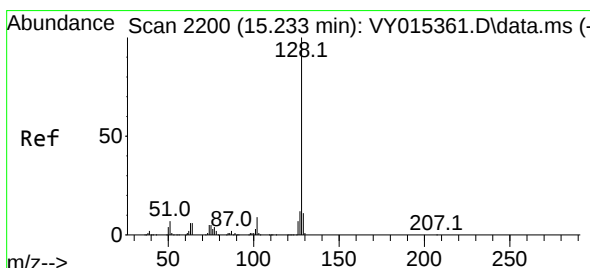
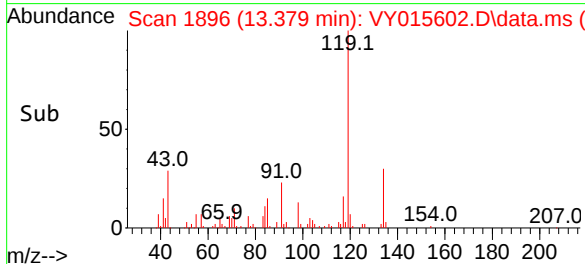
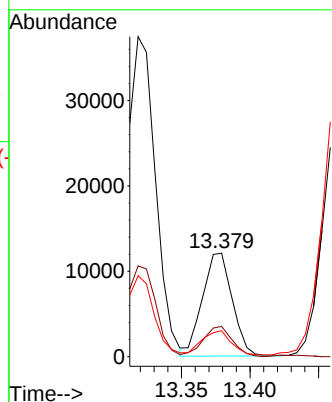
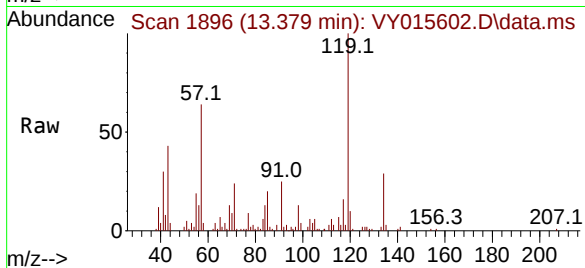
Tgt Ion:119 Resp: 18282

Ion Ratio Lower Upper

119 100

134 28.9 13.3 39.8

91 22.9 12.4 37.4



#95

Naphthalene

Concen: 35.859 ug/l

RT: 15.239 min Scan# 2201

Delta R.T. 0.006 min

Lab File: VY015602.D

Acq: 16 Sep 2023 05:07

Tgt Ion:128 Resp: 335558

Ion Ratio Lower Upper

128 100

127 13.0 10.8 16.2

129 10.8 8.6 13.0

