

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071423\
 Data File : VY014651.D
 Acq On : 14 Jul 2023 16:39
 Operator : SY/MD
 Sample : 03619-01
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RT3471

Quant Time: Jul 14 23:12:41 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)

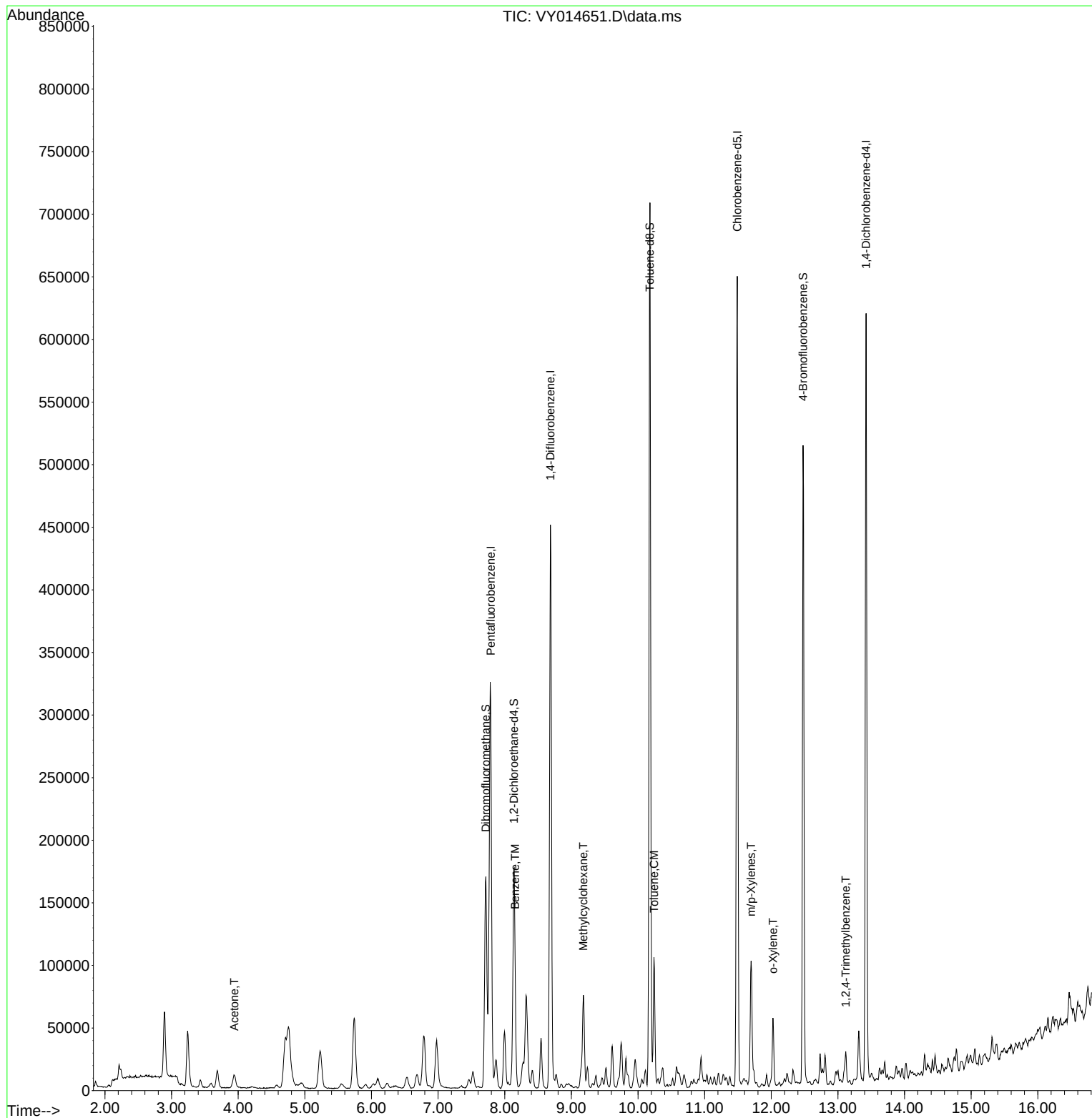
Internal Standards						
1) Pentafluorobenzene	7.789	168	218010	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	381457	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	348344	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	154636	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	130927	52.702	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 105.400%	
35) Dibromofluoromethane	7.716	113	118671	48.871	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 97.740%	
50) Toluene-d8	10.179	98	447099	49.941	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 99.880%	
62) 4-Bromofluorobenzene	12.477	95	163100	47.513	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 95.020%	
Target Compounds						
					Qvalue	
16) Acetone	3.942	43	14781	18.776	ug/l	99
39) Methylcyclohexane	9.179	83	27313	5.773	ug/l	98
40) Benzene	8.155	78	18383	1.780	ug/l	93
52) Toluene	10.240	92	42297	6.400	ug/l	95
68) m/p-Xylenes	11.697	106	31020	6.063	ug/l	97
69) o-Xylene	12.026	106	14028	2.815	ug/l	97
84) 1,2,4-Trimethylbenzene	13.117	105	13019	1.312	ug/l	96

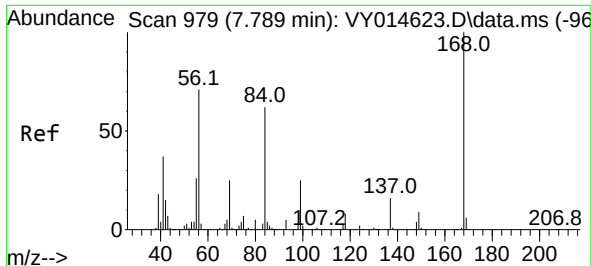
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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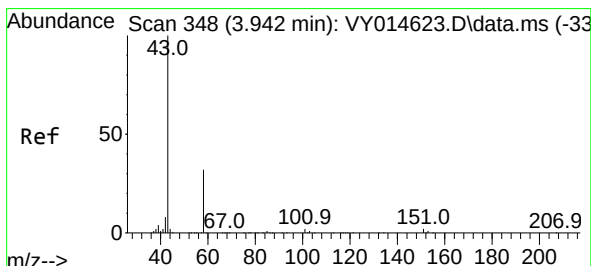
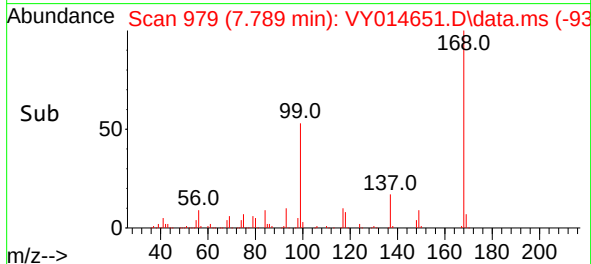
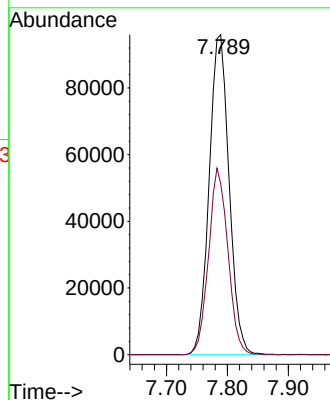
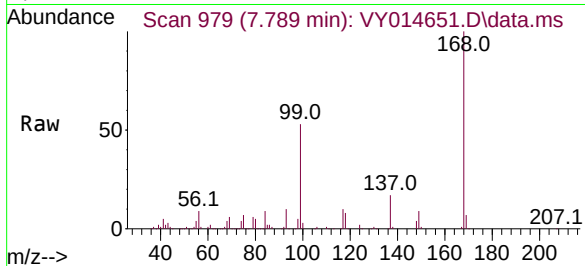




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY014651.D
Acq: 14 Jul 2023 16:39

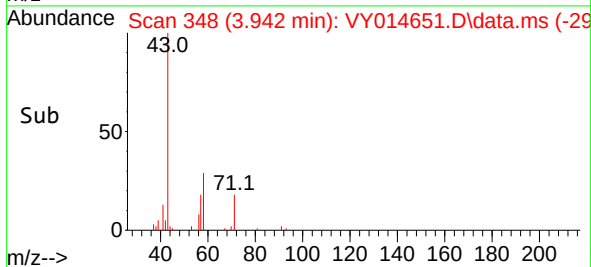
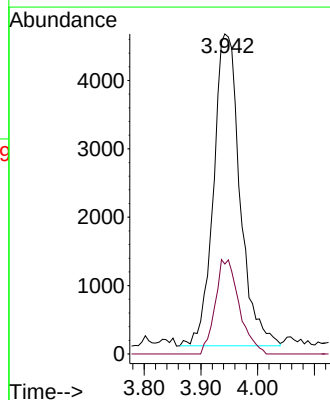
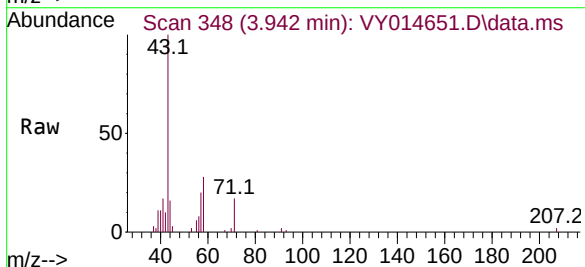
Instrument :
MSVOA_Y
ClientSampleId :
RT3471

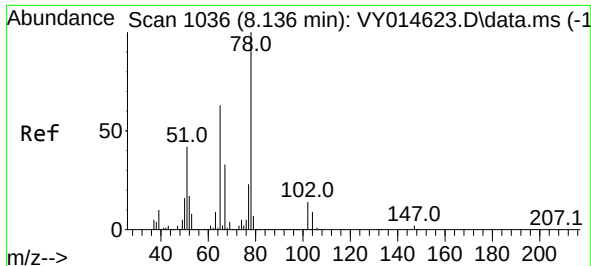
Tgt Ion:168 Resp: 218010
Ion Ratio Lower Upper
168 100
99 53.5 43.4 65.0



#16
Acetone
Concen: 18.776 ug/l
RT: 3.942 min Scan# 348
Delta R.T. 0.000 min
Lab File: VY014651.D
Acq: 14 Jul 2023 16:39

Tgt Ion: 43 Resp: 14781
Ion Ratio Lower Upper
43 100
58 28.9 22.7 34.1

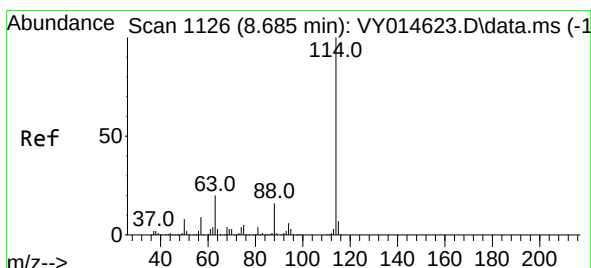
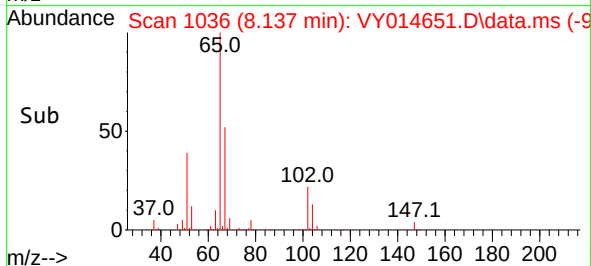
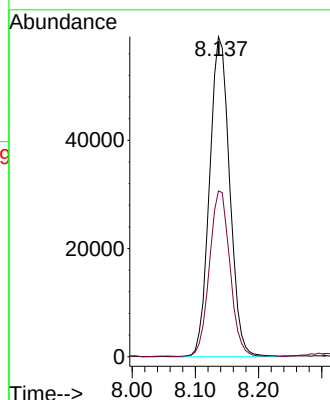
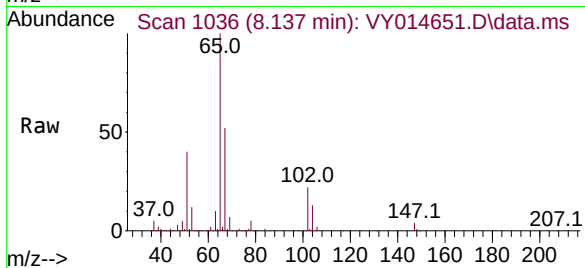




#33
 1,2-Dichloroethane-d4
 Concen: 52.702 ug/l
 RT: 8.137 min Scan# 1036
 Delta R.T. 0.001 min
 Lab File: VY014651.D
 Acq: 14 Jul 2023 16:39

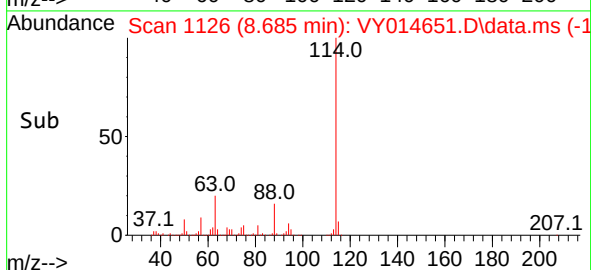
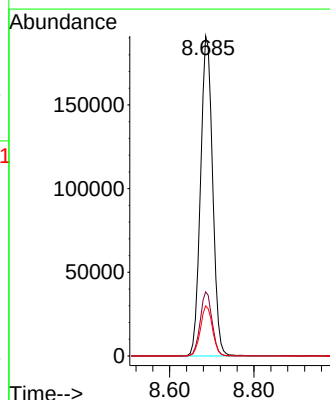
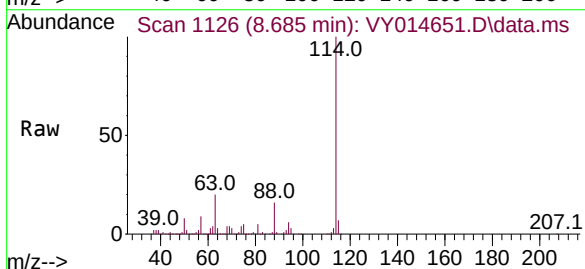
Instrument :
 MSVOA_Y
 ClientSampleId :
 RT3471

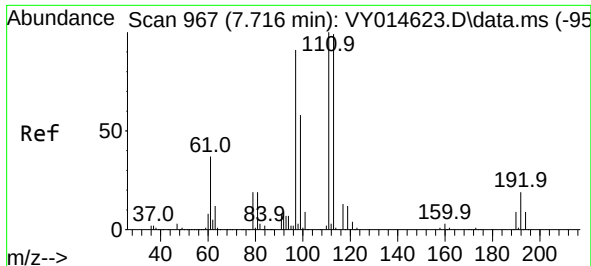
Tgt Ion: 65 Resp: 130927
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.685 min Scan# 1126
 Delta R.T. 0.000 min
 Lab File: VY014651.D
 Acq: 14 Jul 2023 16:39

Tgt Ion:114 Resp: 381457
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 42.4
 88 15.7 0.0 30.6

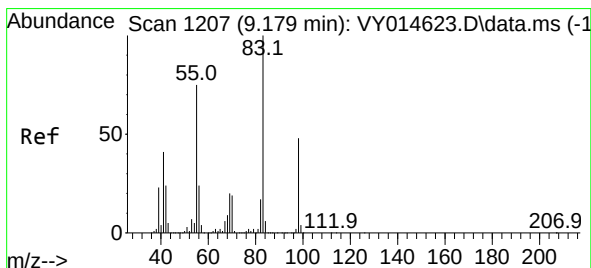
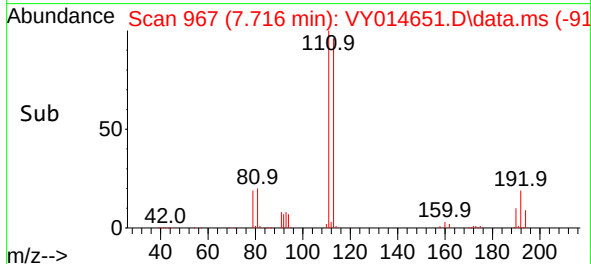
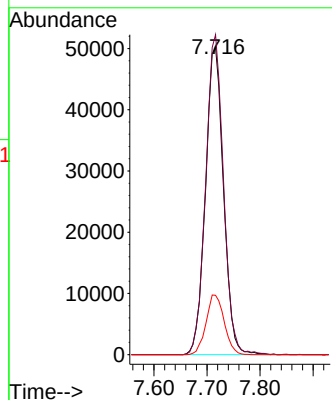
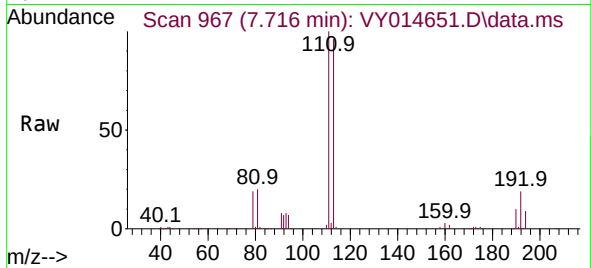




#35
Dibromofluoromethane
Concen: 48.871 ug/l
RT: 7.716 min Scan# 90
Delta R.T. -0.000 min
Lab File: VY014651.D
Acq: 14 Jul 2023 16:39

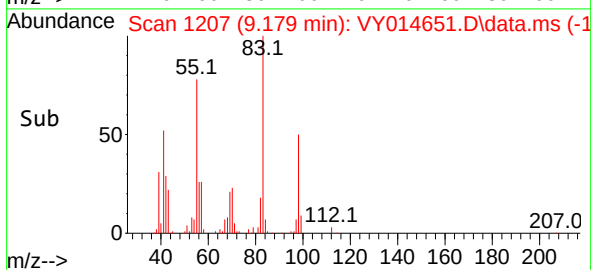
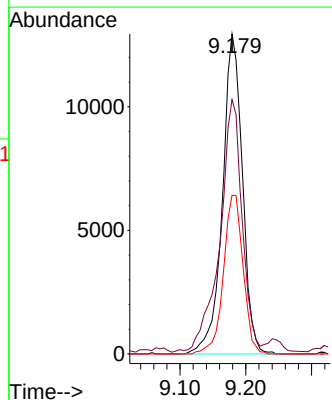
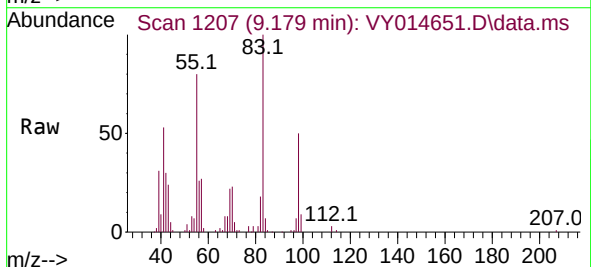
Instrument :
MSVOA_Y
ClientSampleId :
RT3471

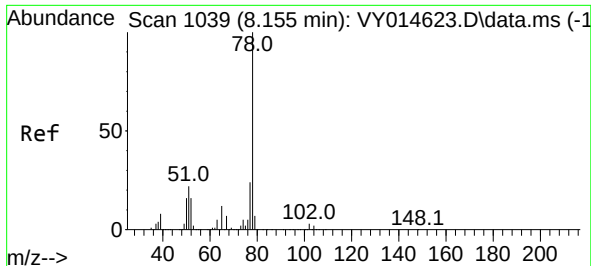
Tgt Ion:113 Resp: 118671
Ion Ratio Lower Upper
113 100
111 103.0 81.3 121.9
192 19.6 16.9 25.3



#39
Methylcyclohexane
Concen: 5.773 ug/l
RT: 9.179 min Scan# 1207
Delta R.T. 0.000 min
Lab File: VY014651.D
Acq: 14 Jul 2023 16:39

Tgt Ion: 83 Resp: 27313
Ion Ratio Lower Upper
83 100
55 78.2 63.0 94.4
98 49.6 37.4 56.2

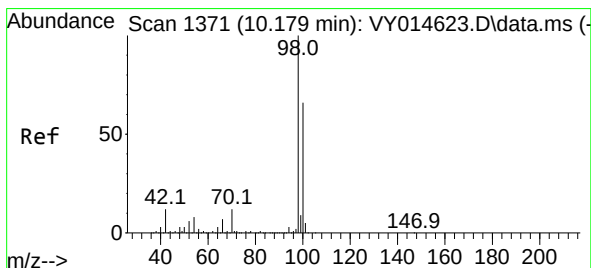
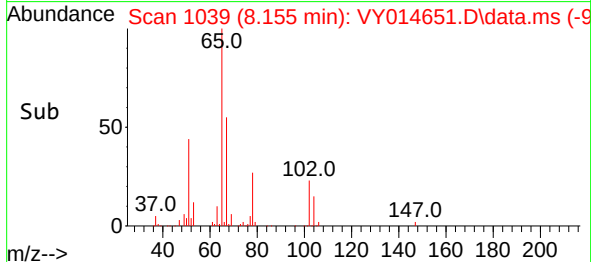
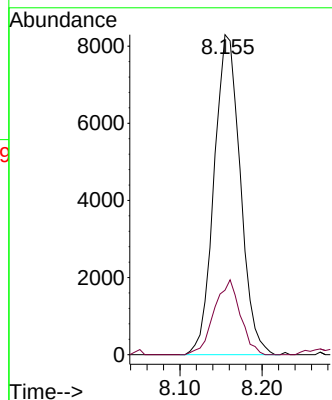
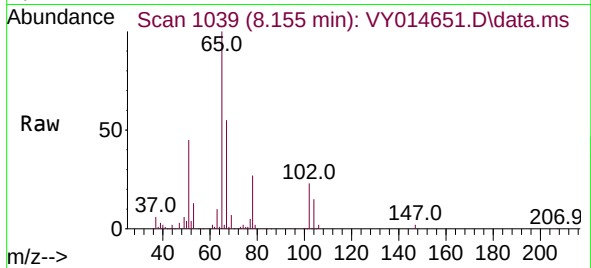




#40
Benzene
Concen: 1.780 ug/l
RT: 8.155 min Scan# 1039
Delta R.T. -0.000 min
Lab File: VY014651.D
Acq: 14 Jul 2023 16:39

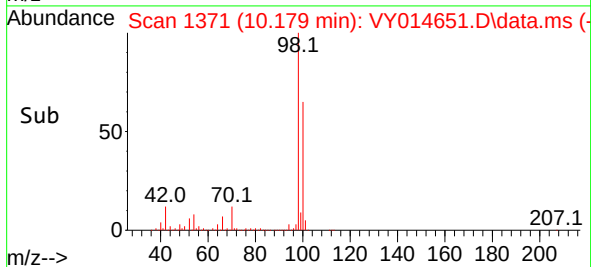
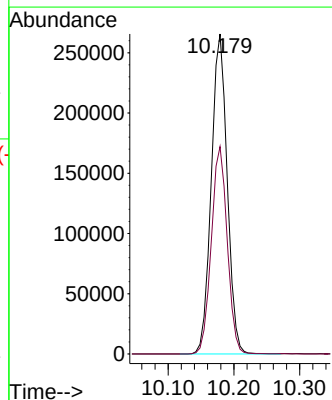
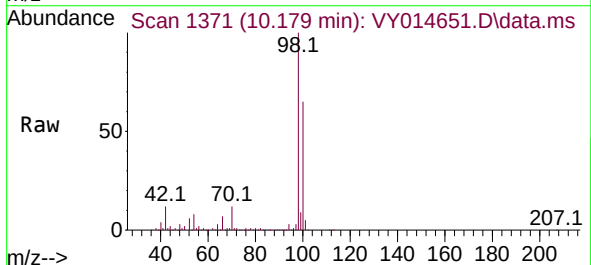
Instrument :
MSVOA_Y
ClientSampleId :
RT3471

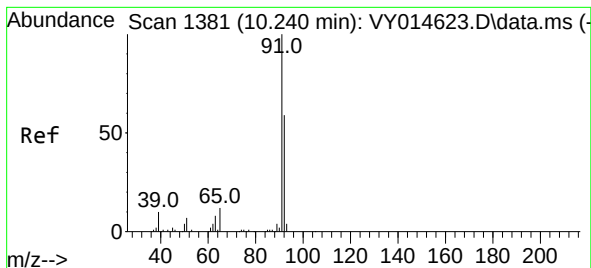
Tgt Ion: 78 Resp: 18383
Ion Ratio Lower Upper
78 100
77 20.2 19.0 28.6



#50
Toluene-d8
Concen: 49.941 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY014651.D
Acq: 14 Jul 2023 16:39

Tgt Ion: 98 Resp: 447099
Ion Ratio Lower Upper
98 100
100 64.8 50.1 75.1





#52

Toluene

Concen: 6.400 ug/l

RT: 10.240 min Scan# 1381

Delta R.T. -0.000 min

Lab File: VY014651.D

Acq: 14 Jul 2023 16:39

Instrument :

MSVOA_Y

ClientSampleId :

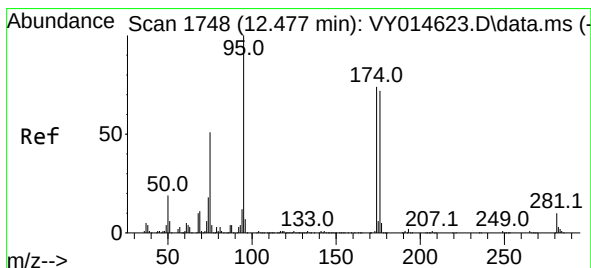
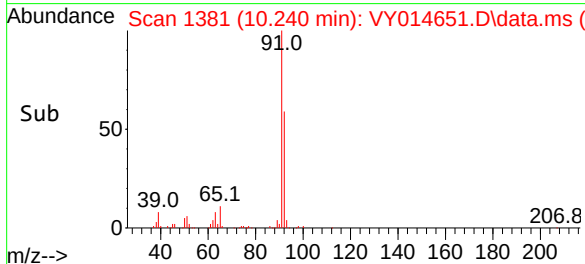
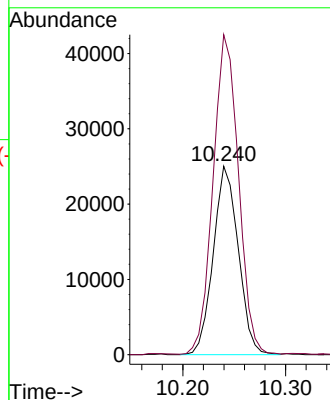
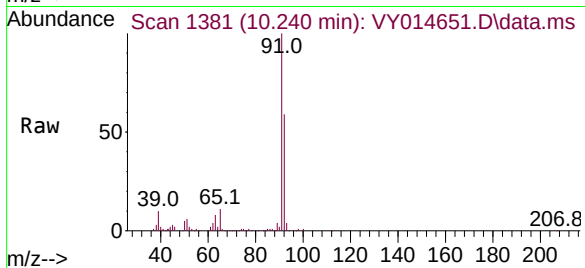
RT3471

Tgt Ion: 92 Resp: 42297

Ion Ratio Lower Upper

92 100

91 172.0 143.8 215.6



#62

4-Bromofluorobenzene

Concen: 47.513 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. 0.000 min

Lab File: VY014651.D

Acq: 14 Jul 2023 16:39

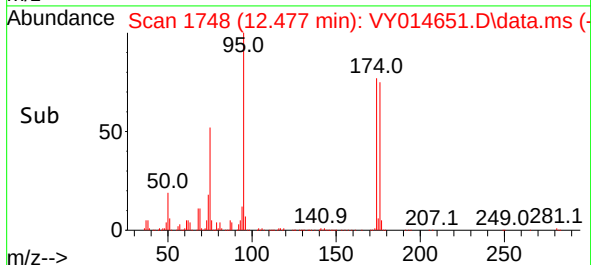
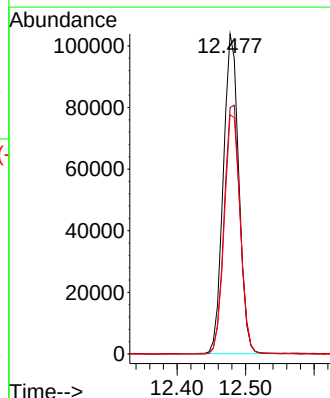
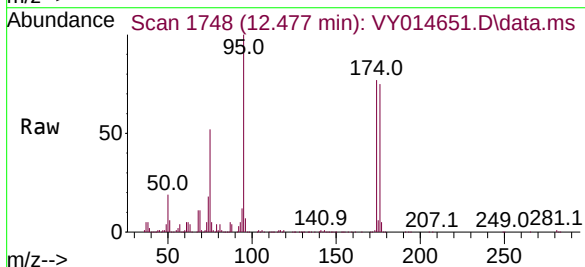
Tgt Ion: 95 Resp: 163100

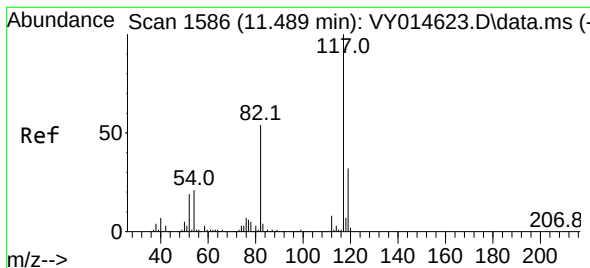
Ion Ratio Lower Upper

95 100

174 80.0 0.0 178.2

176 77.2 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 117

Delta R.T. 0.001 min

Lab File: VY014651.D

Acq: 14 Jul 2023 16:39

Instrument :

MSVOA_Y

ClientSampleId :

RT3471

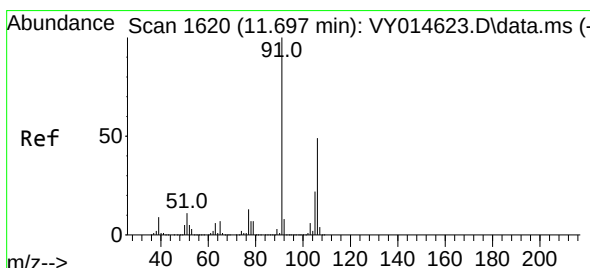
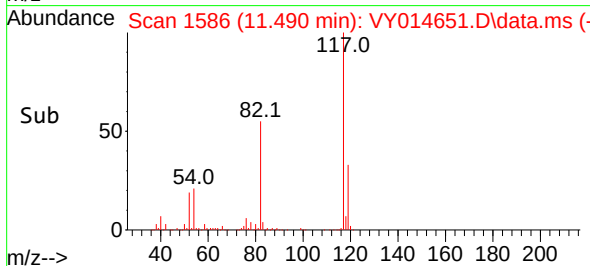
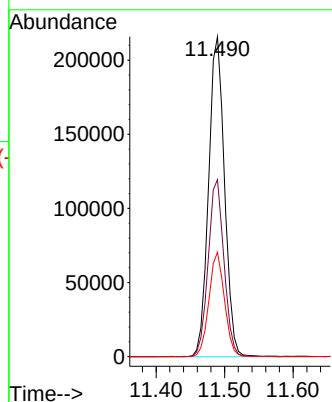
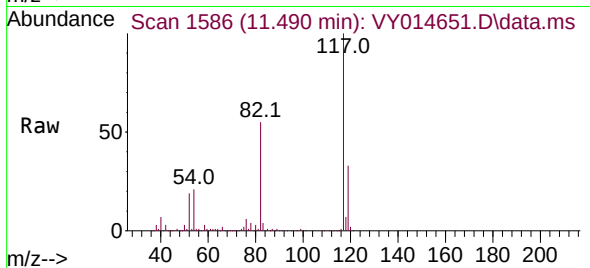
Tgt Ion:117 Resp: 348344

Ion Ratio Lower Upper

117 100

82 55.3 43.4 65.0

119 32.7 26.3 39.5



#68

m/p-Xylenes

Concen: 6.063 ug/l

RT: 11.697 min Scan# 1620

Delta R.T. -0.000 min

Lab File: VY014651.D

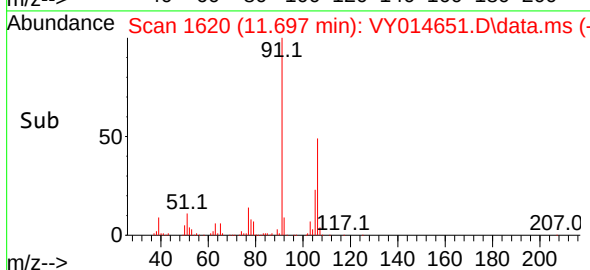
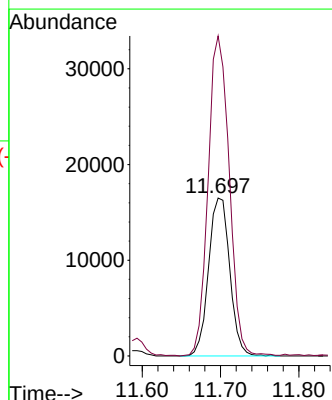
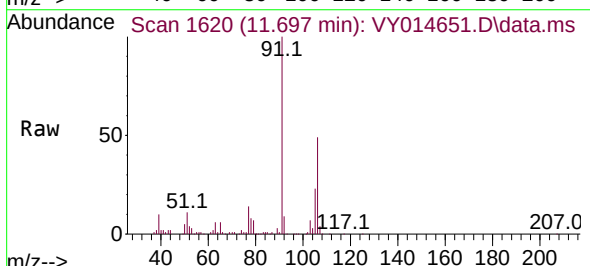
Acq: 14 Jul 2023 16:39

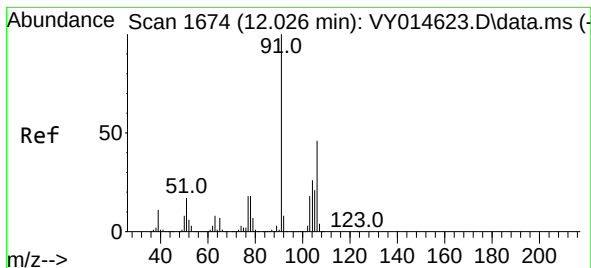
Tgt Ion:106 Resp: 31020

Ion Ratio Lower Upper

106 100

91 202.3 166.1 249.1





#69

o-Xylene

Concen: 2.815 ug/l

RT: 12.026 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY014651.D

Acq: 14 Jul 2023 16:39

Instrument :

MSVOA_Y

ClientSampleId :

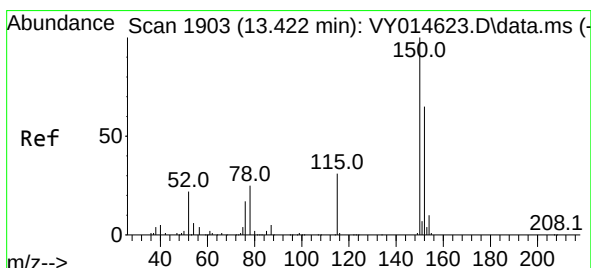
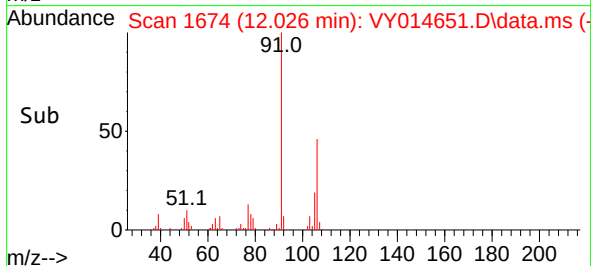
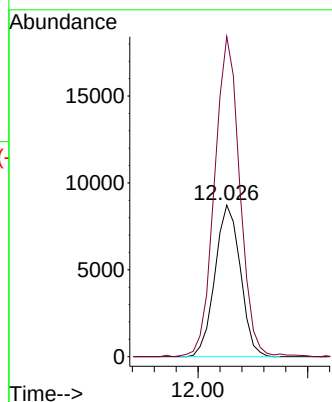
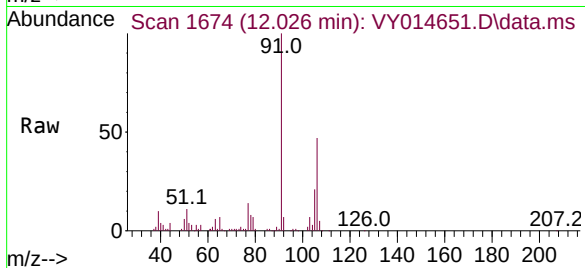
RT3471

Tgt Ion:106 Resp: 14028

Ion Ratio Lower Upper

106 100

91 211.1 108.1 324.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VY014651.D

Acq: 14 Jul 2023 16:39

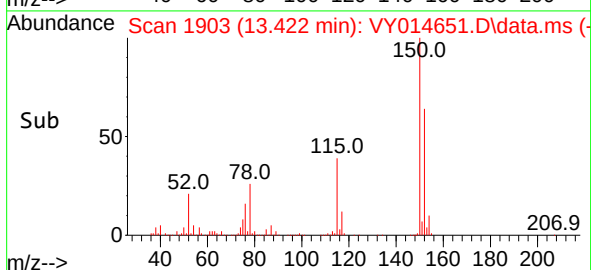
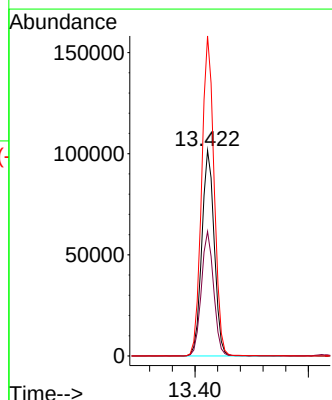
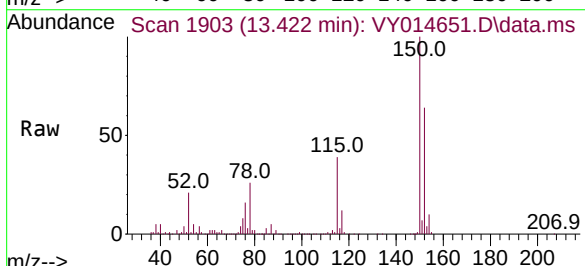
Tgt Ion:152 Resp: 154636

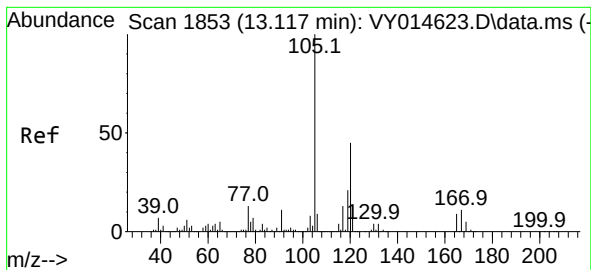
Ion Ratio Lower Upper

152 100

115 60.0 28.8 86.5

150 155.7 0.0 348.8





#84

1,2,4-Trimethylbenzene

Concen: 1.312 ug/l

RT: 13.117 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY014651.D

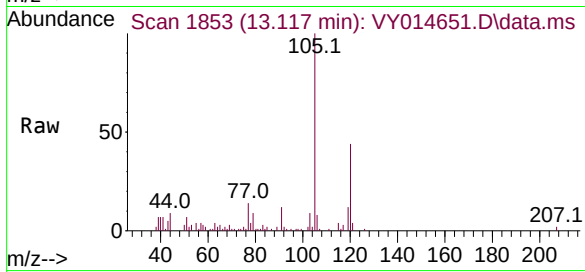
Acq: 14 Jul 2023 16:39

Instrument :

MSVOA_Y

ClientSampleId :

RT3471



Tgt Ion:105 Resp: 13019

Ion Ratio Lower Upper

105 100

120 46.9 22.2 66.6

