

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072523\
 Data File : VY014811.D
 Acq On : 25 Jul 2023 18:55
 Operator : SY/MD
 Sample : 03735-01
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 1029

Quant Time: Jul 26 01:22:19 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)

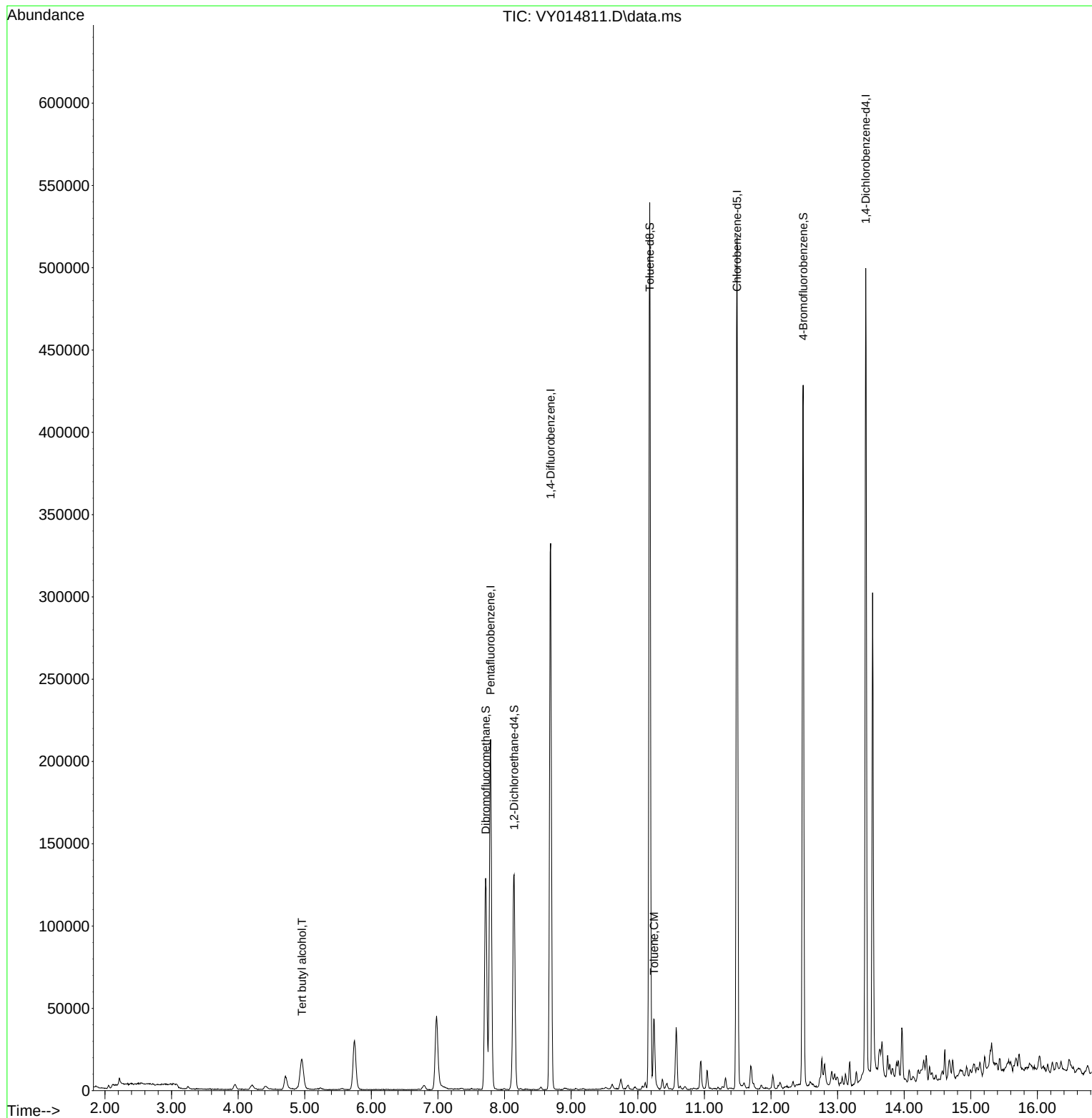
Internal Standards						
1) Pentafluorobenzene	7.789	168	165001	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	289894	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	277898	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	124055	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	102552	54.542	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 109.080%	
35) Dibromofluoromethane	7.716	113	92752	50.261	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 100.520%	
50) Toluene-d8	10.179	98	346884	50.986	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 101.980%	
62) 4-Bromofluorobenzene	12.483	95	126783	48.599	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 97.200%	
Target Compounds						Qvalue
11) Tert butyl alcohol	4.960	59	38946	88.410	ug/l #	82
52) Toluene	10.246	92	17888	3.562	ug/l	90

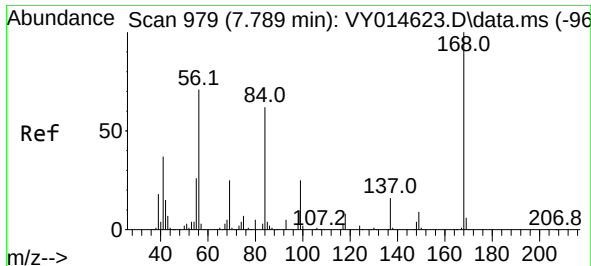
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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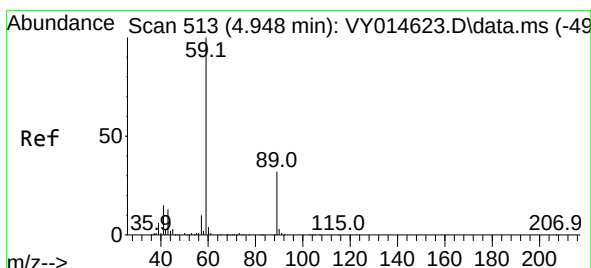
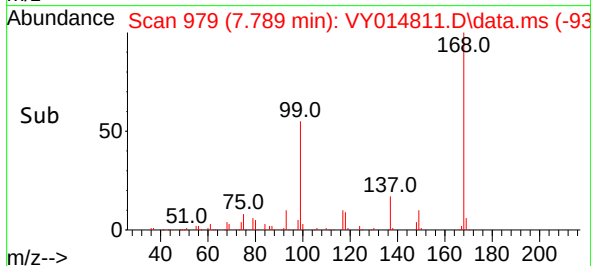
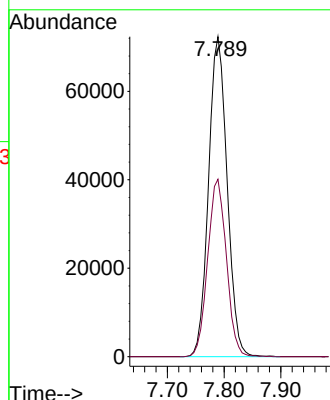
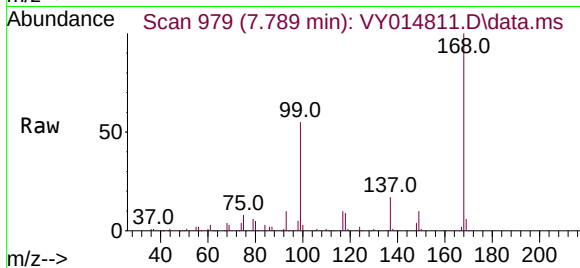




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY014811.D
Acq: 25 Jul 2023 18:55

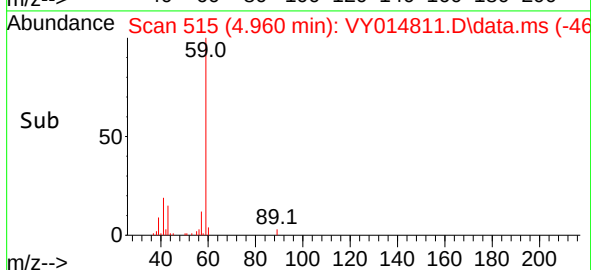
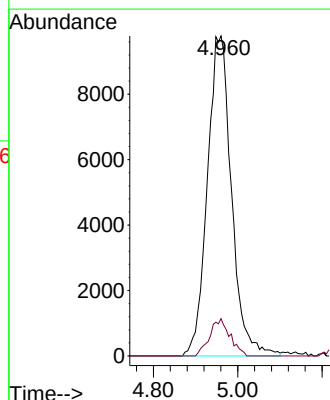
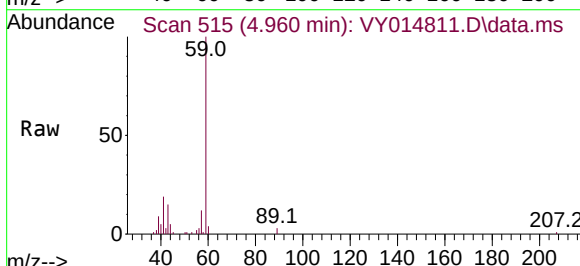
Instrument :
MSVOA_Y
ClientSampleId :
1029

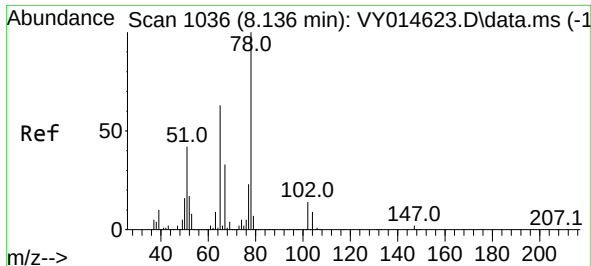
Tgt Ion:168 Resp: 165001
Ion Ratio Lower Upper
168 100
99 55.4 43.4 65.0



#11
Tert butyl alcohol
Concen: 88.410 ug/l
RT: 4.960 min Scan# 515
Delta R.T. 0.012 min
Lab File: VY014811.D
Acq: 25 Jul 2023 18:55

Tgt Ion: 59 Resp: 38946
Ion Ratio Lower Upper
59 100
57 9.8 3.0 4.4#





#33

1,2-Dichloroethane-d4

Concen: 54.542 ug/l

RT: 8.143 min Scan# 1036

Delta R.T. 0.007 min

Lab File: VY014811.D

Acq: 25 Jul 2023 18:55

Instrument :

MSVOA_Y

ClientSampleId :

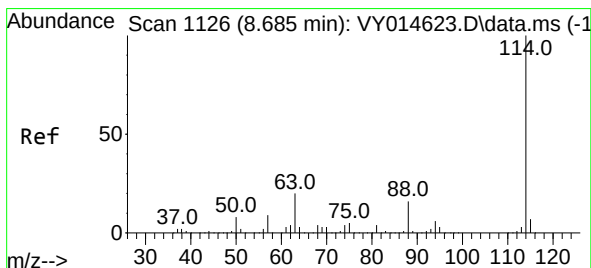
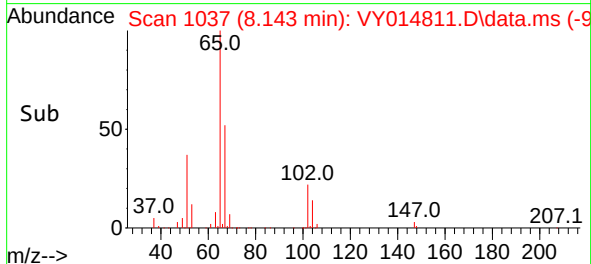
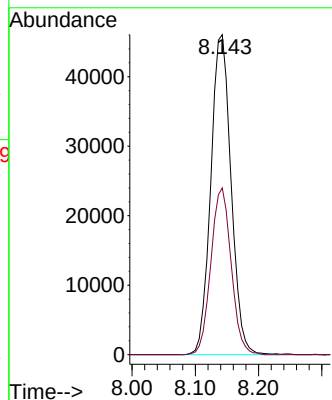
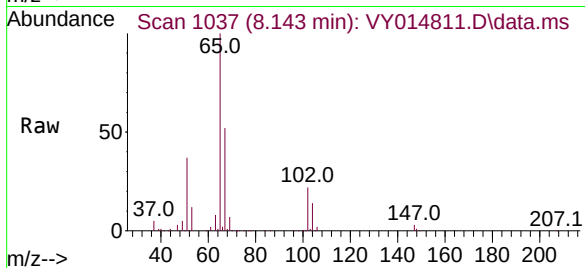
1029

Tgt Ion: 65 Resp: 102552

Ion Ratio Lower Upper

65 100

67 52.0 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VY014811.D

Acq: 25 Jul 2023 18:55

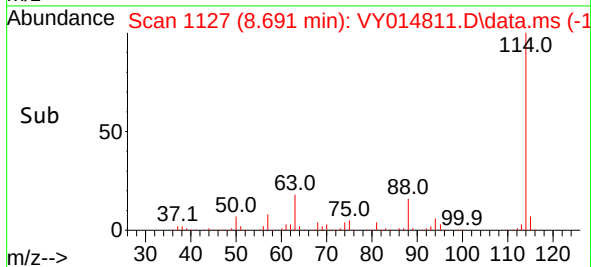
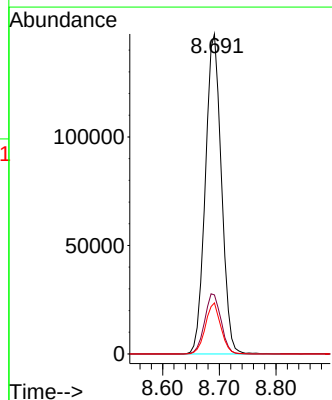
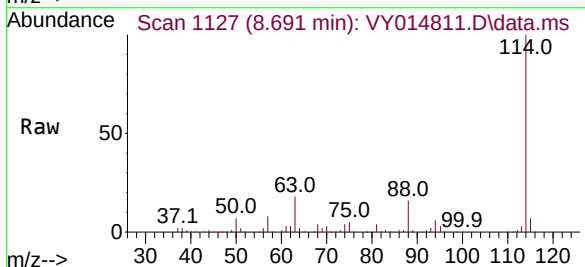
Tgt Ion: 114 Resp: 289894

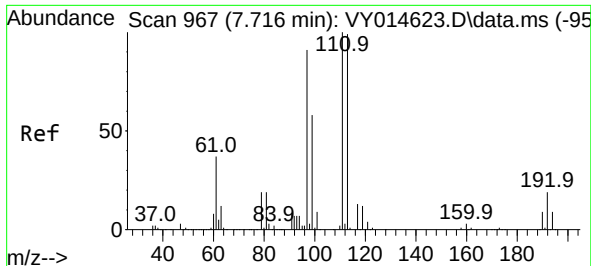
Ion Ratio Lower Upper

114 100

63 18.4 0.0 42.4

88 15.9 0.0 30.6

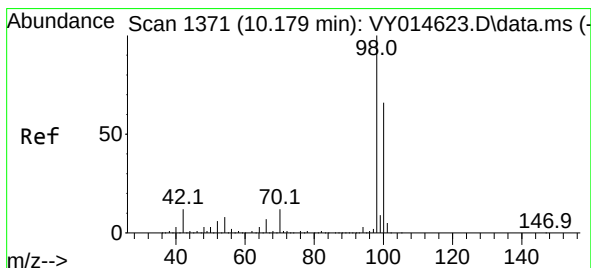
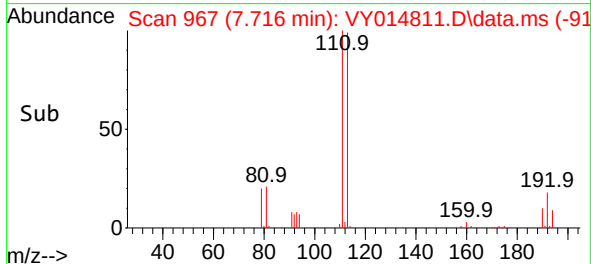
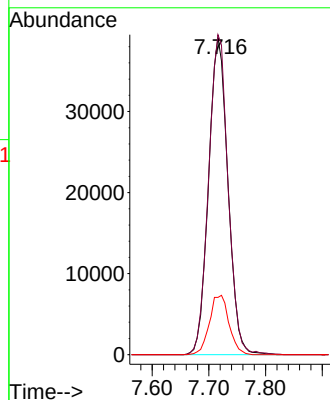
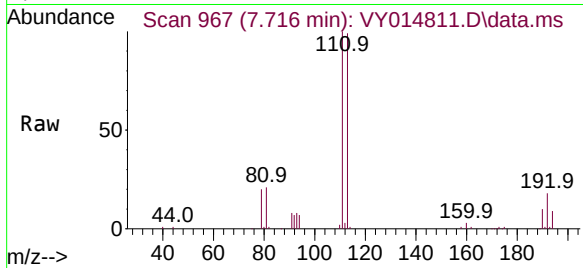




#35
Dibromofluoromethane
Concen: 50.261 ug/l
RT: 7.716 min Scan# 910
Delta R.T. -0.000 min
Lab File: VY014811.D
Acq: 25 Jul 2023 18:55

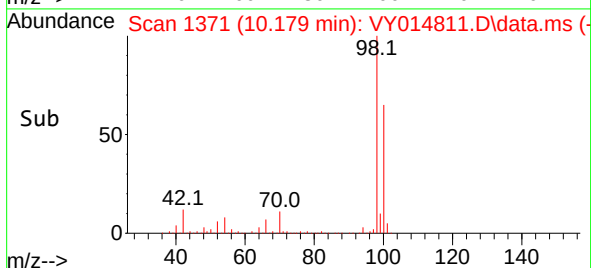
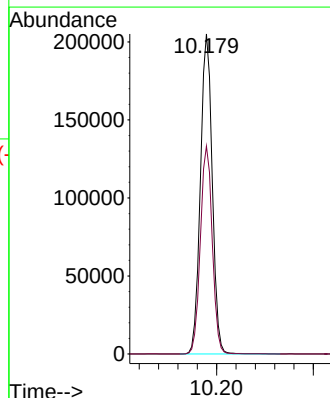
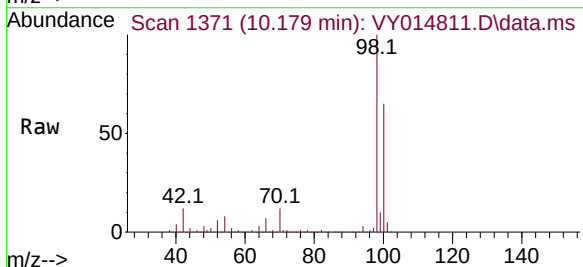
Instrument :
MSVOA_Y
ClientSampleId :
1029

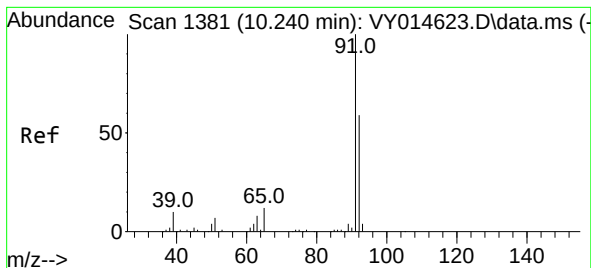
Tgt Ion:113 Resp: 92752
Ion Ratio Lower Upper
113 100
111 101.6 81.3 121.9
192 19.0 16.9 25.3



#50
Toluene-d8
Concen: 50.986 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY014811.D
Acq: 25 Jul 2023 18:55

Tgt Ion: 98 Resp: 346884
Ion Ratio Lower Upper
98 100
100 65.3 50.1 75.1





#52

Toluene

Concen: 3.562 ug/l

RT: 10.246 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY014811.D

Acq: 25 Jul 2023 18:55

Instrument :

MSVOA_Y

ClientSampleId :

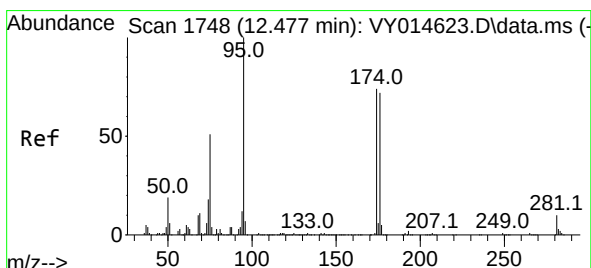
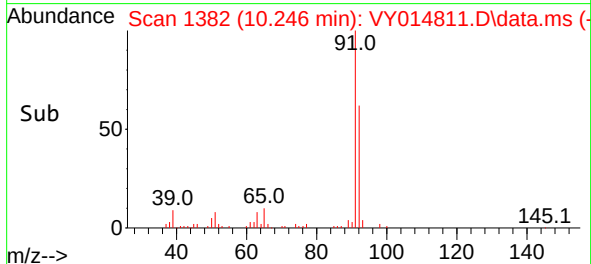
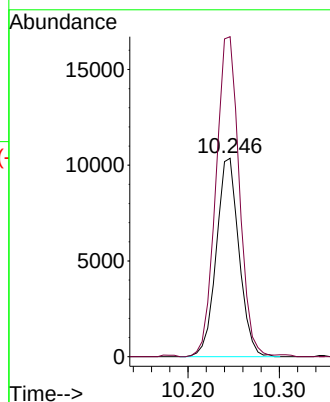
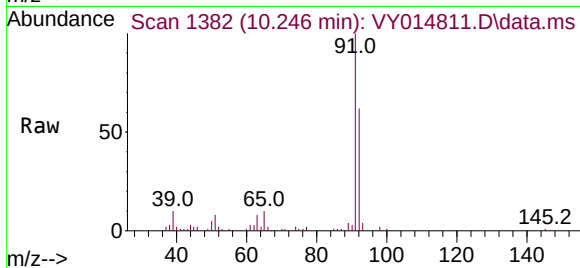
1029

Tgt Ion: 92 Resp: 17888

Ion Ratio Lower Upper

92 100

91 165.9 143.8 215.6



#62

4-Bromofluorobenzene

Concen: 48.599 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.006 min

Lab File: VY014811.D

Acq: 25 Jul 2023 18:55

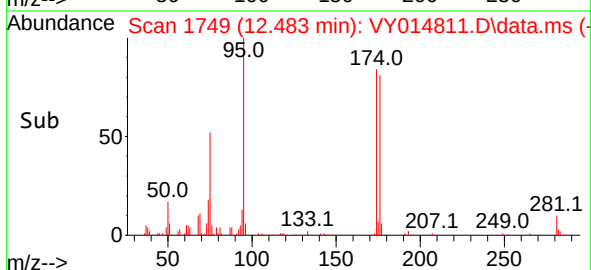
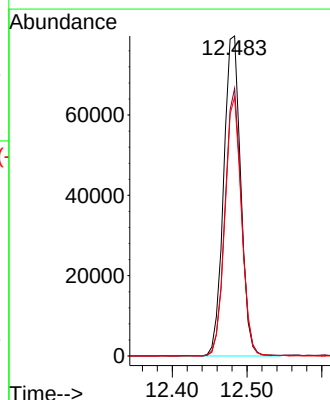
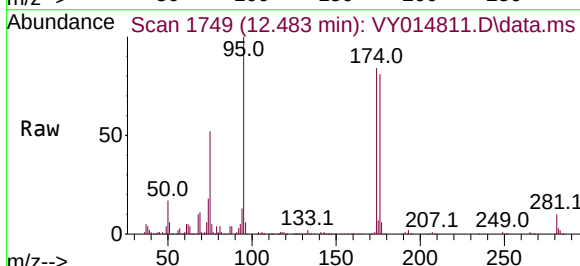
Tgt Ion: 95 Resp: 126783

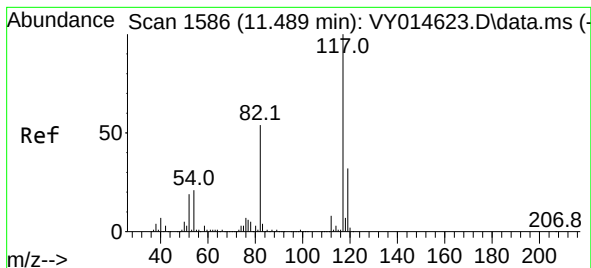
Ion Ratio Lower Upper

95 100

174 80.6 0.0 178.2

176 78.3 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: VY014811.D

Acq: 25 Jul 2023 18:55

Instrument :

MSVOA_Y

ClientSampleId :

1029

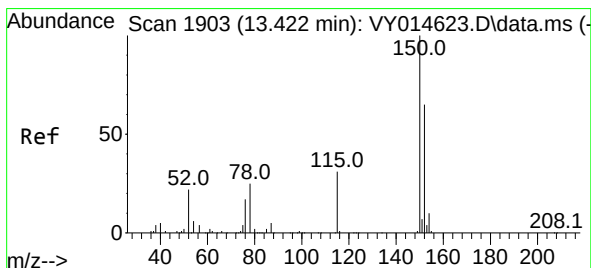
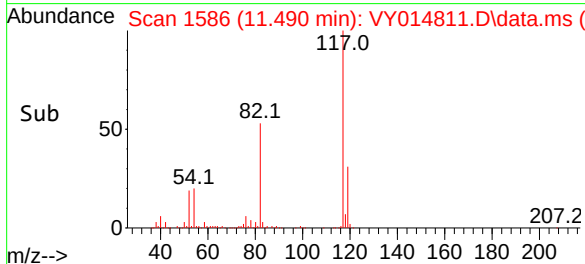
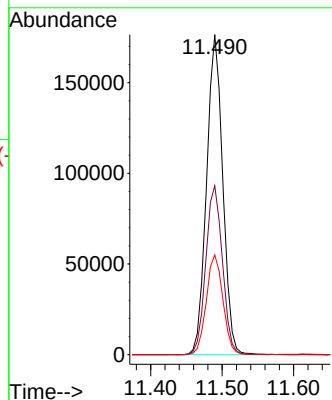
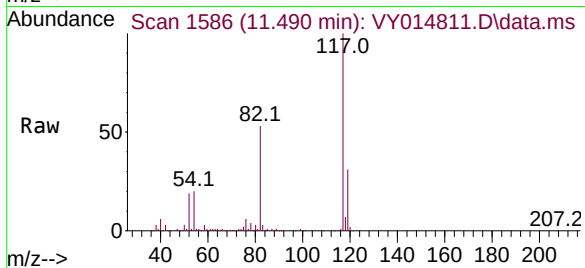
Tgt Ion:117 Resp: 277898

Ion Ratio Lower Upper

117 100

82 52.8 43.4 65.0

119 31.2 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: VY014811.D

Acq: 25 Jul 2023 18:55

Tgt Ion:152 Resp: 124055

Ion Ratio Lower Upper

152 100

115 58.9 28.8 86.5

150 155.0 0.0 348.8

