

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091523\
 Data File : VY015573.D
 Acq On : 15 Sep 2023 16:38
 Operator : SY/MD
 Sample : 04399-05
 Misc : 5.35g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 360

Quant Time: Sep 15 16:47:17 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)

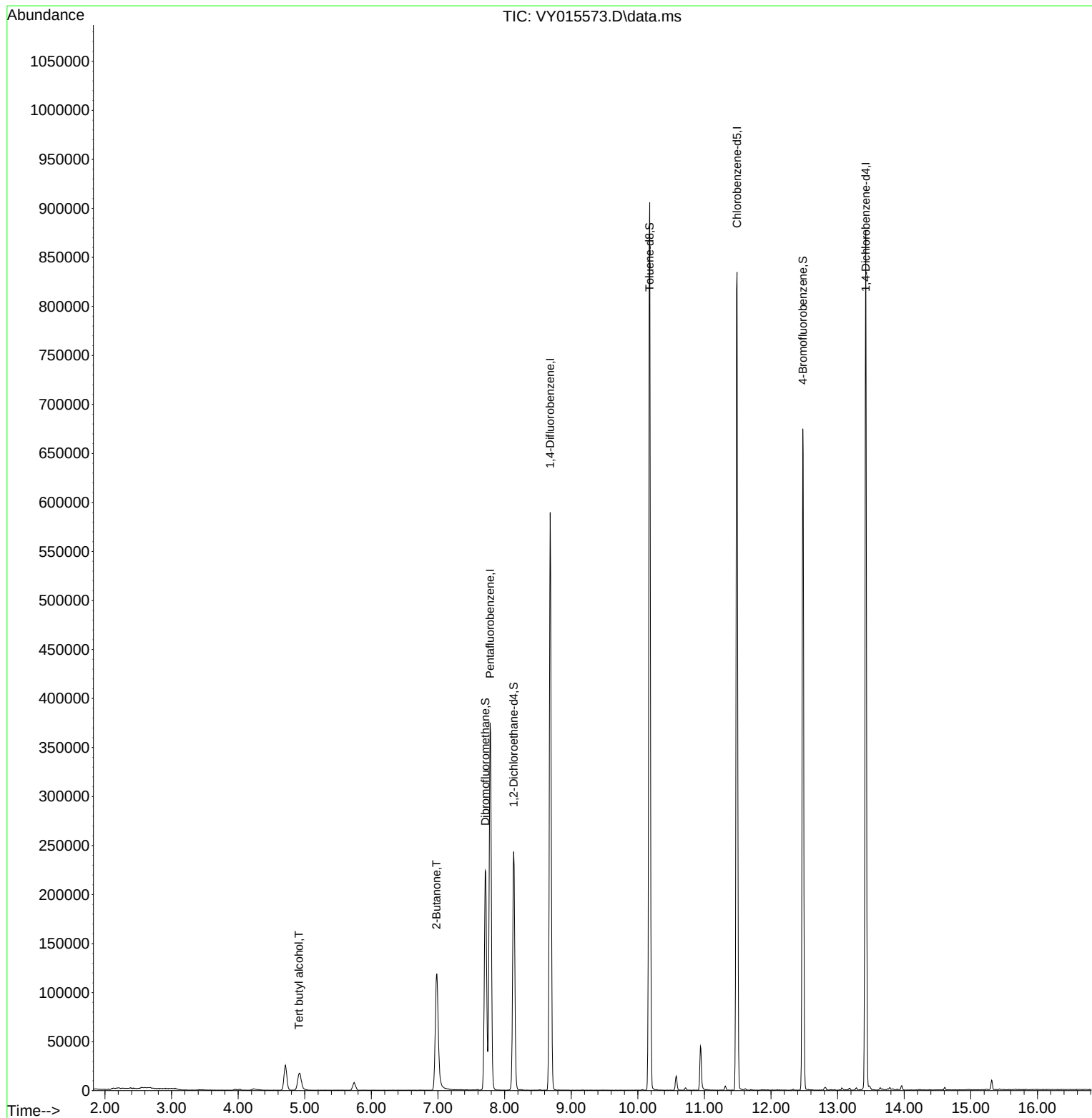
Internal Standards						
1) Pentafluorobenzene	7.783	168	296050	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	495445	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	465121	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	216551	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	191333	60.289	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 120.580%	
35) Dibromofluoromethane	7.710	113	159848	56.015	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 112.040%	
50) Toluene-d8	10.179	98	587134	56.815	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 113.620%	
62) 4-Bromofluorobenzene	12.477	95	203244	52.978	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 105.960%	
Target Compounds						Qvalue
11) Tert butyl alcohol	4.911	59	18571	10.066	ug/l #	90
25) 2-Butanone	6.978	43	6603	3.514	ug/l #	74

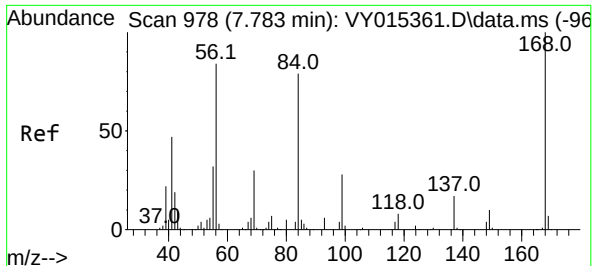
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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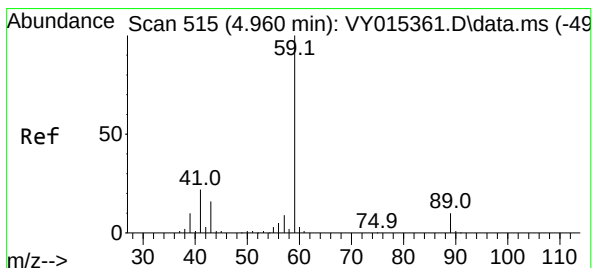
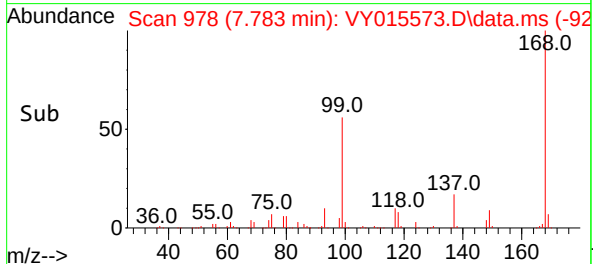
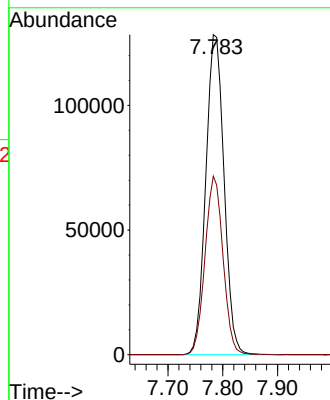
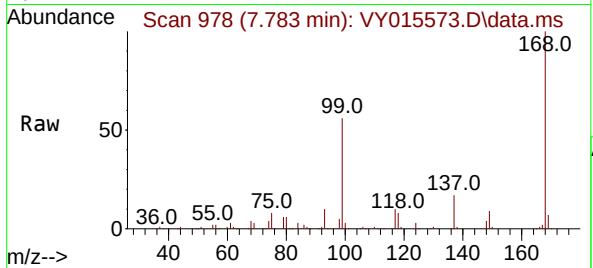




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY015573.D
Acq: 15 Sep 2023 16:38

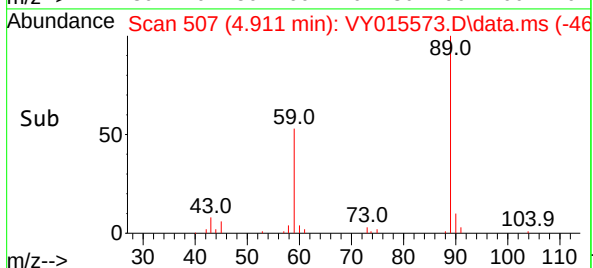
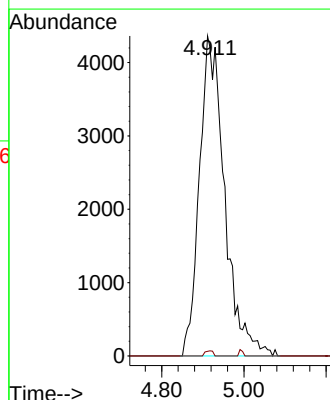
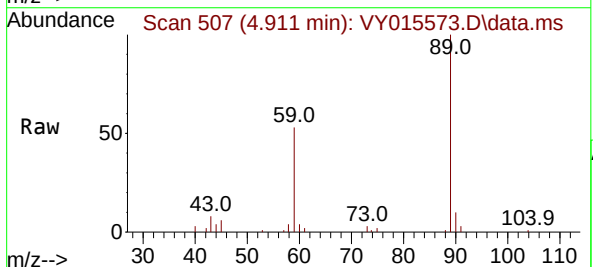
Instrument :
MSVOA_Y
ClientSampleId :
360

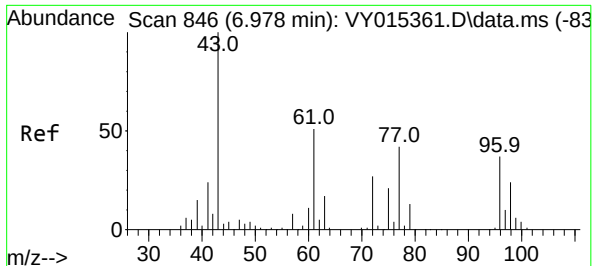
Tgt Ion:168 Resp: 296050
Ion Ratio Lower Upper
168 100
99 55.8 43.4 65.0



#11
Tert butyl alcohol
Concen: 10.066 ug/l
RT: 4.911 min Scan# 507
Delta R.T. -0.043 min
Lab File: VY015573.D
Acq: 15 Sep 2023 16:38

Tgt Ion: 59 Resp: 18571
Ion Ratio Lower Upper
59 100
57 0.5 3.0 4.4#





#25

2-Butanone

Concen: 3.514 ug/l

RT: 6.978 min Scan# 846

Delta R.T. -0.000 min

Lab File: VY015573.D

Acq: 15 Sep 2023 16:38

Instrument :

MSVOA_Y

ClientSampleId :

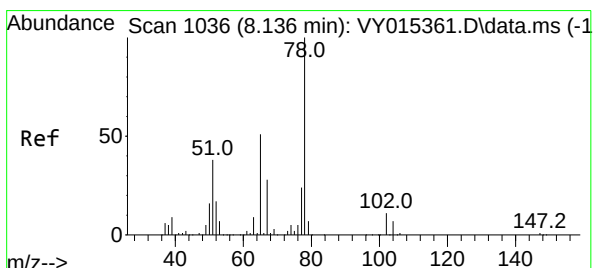
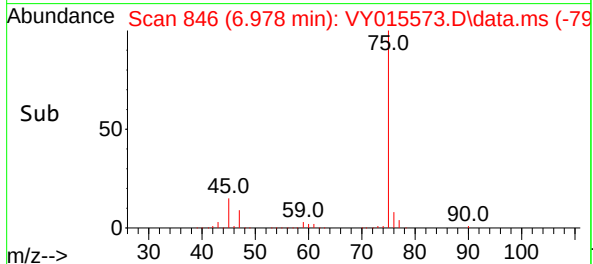
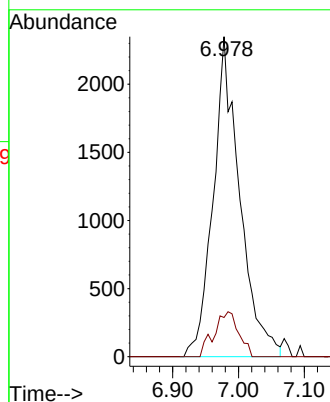
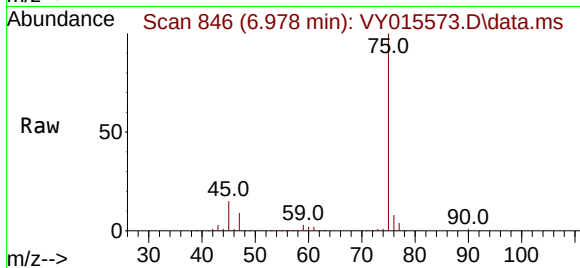
360

Tgt Ion: 43 Resp: 6603

Ion Ratio Lower Upper

43 100

72 12.3 20.5 30.7#



#33

1,2-Dichloroethane-d4

Concen: 60.289 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. -0.000 min

Lab File: VY015573.D

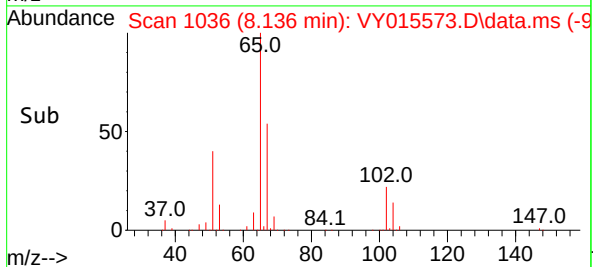
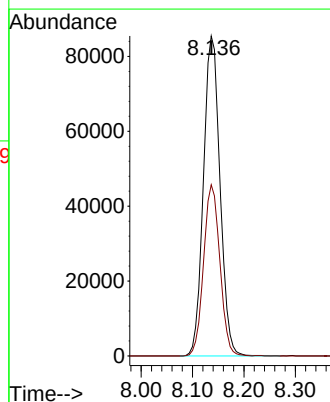
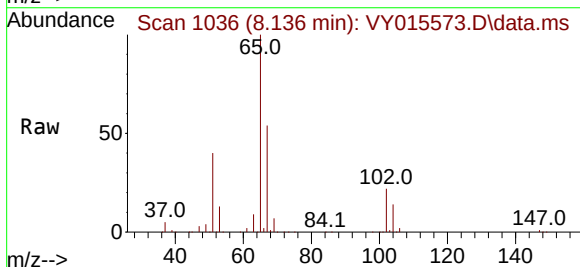
Acq: 15 Sep 2023 16:38

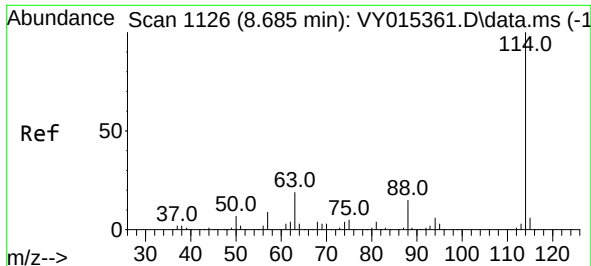
Tgt Ion: 65 Resp: 191333

Ion Ratio Lower Upper

65 100

67 52.5 0.0 101.8

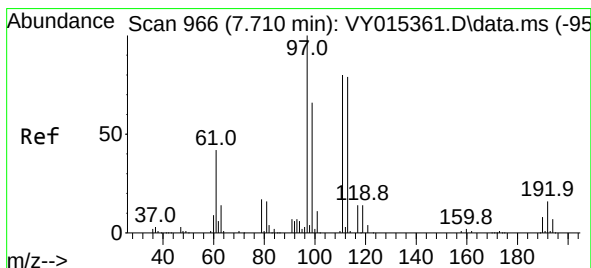
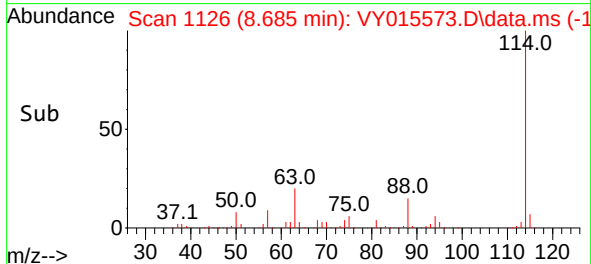
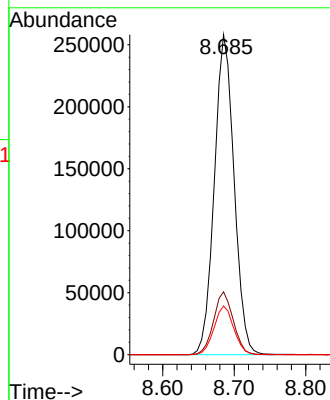
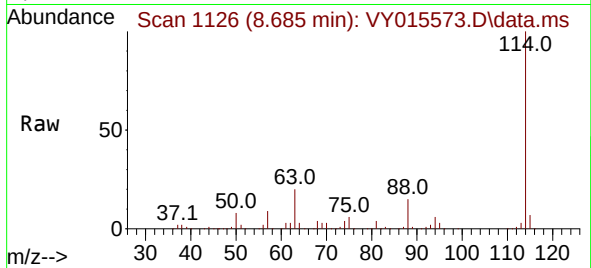




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VY015573.D
Acq: 15 Sep 2023 16:38

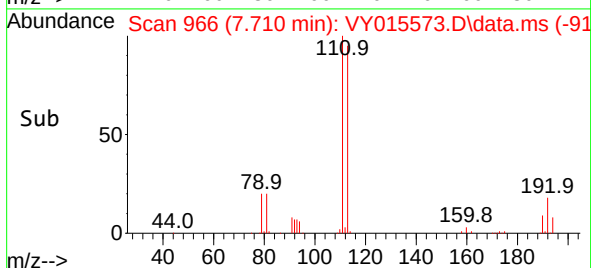
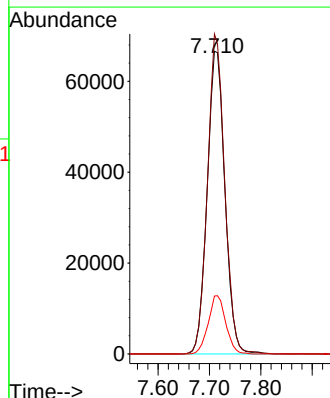
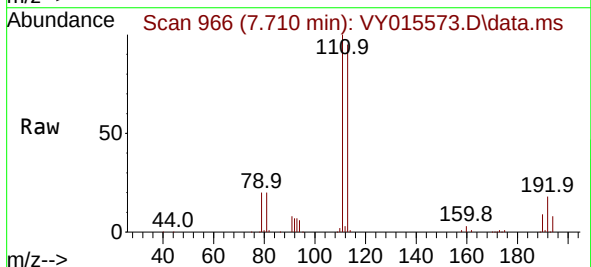
Instrument :
MSVOA_Y
ClientSampleId :
360

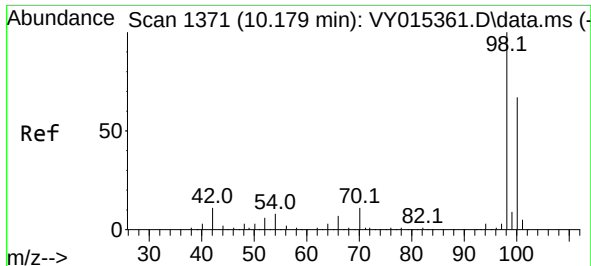
Tgt Ion:114 Resp: 495445
Ion Ratio Lower Upper
114 100
63 19.7 0.0 42.4
88 15.2 0.0 30.6



#35
Dibromofluoromethane
Concen: 56.015 ug/l
RT: 7.710 min Scan# 966
Delta R.T. -0.006 min
Lab File: VY015573.D
Acq: 15 Sep 2023 16:38

Tgt Ion:113 Resp: 159848
Ion Ratio Lower Upper
113 100
111 102.6 81.3 121.9
192 19.0 16.9 25.3

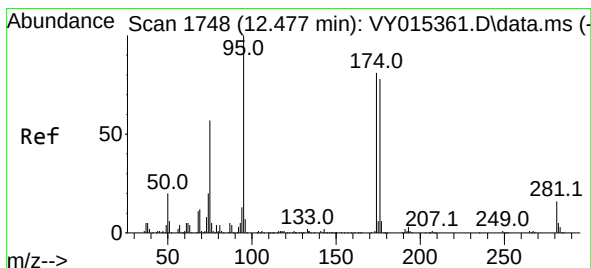
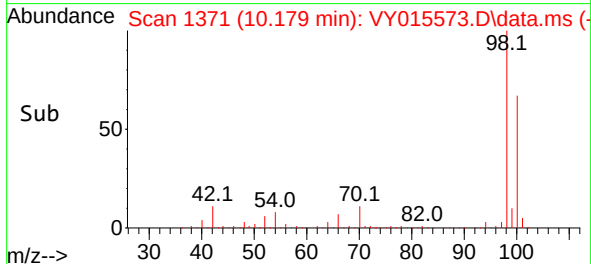
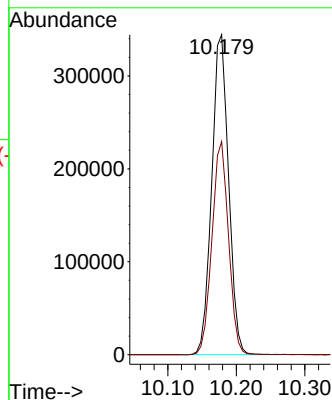
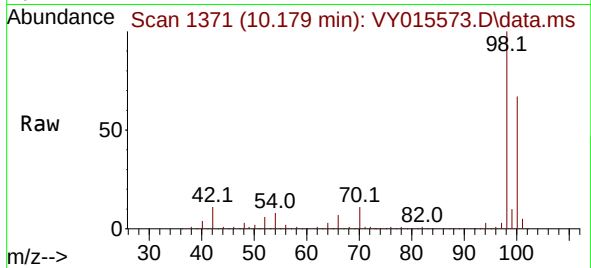




#50
Toluene-d8
Concen: 56.815 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY015573.D
Acq: 15 Sep 2023 16:38

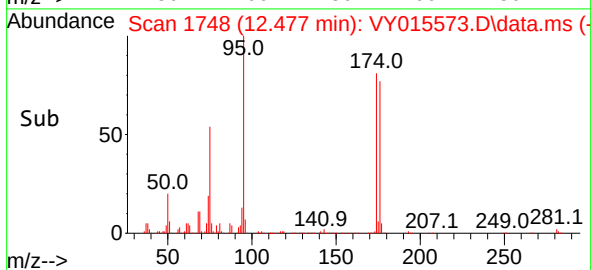
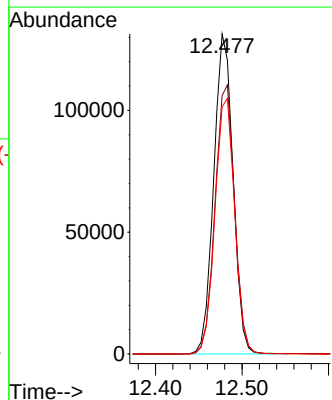
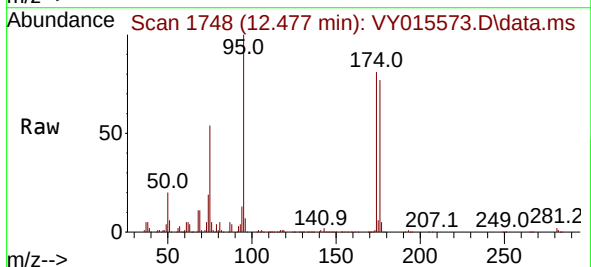
Instrument :
MSVOA_Y
ClientSampleId :
360

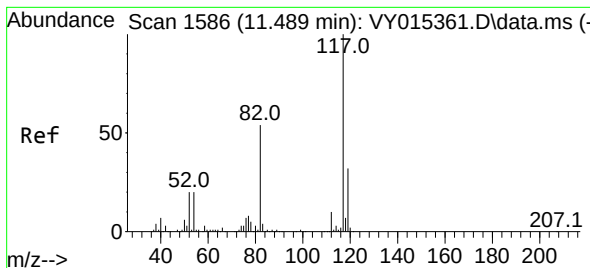
Tgt Ion: 98 Resp: 587134
Ion Ratio Lower Upper
98 100
100 65.6 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 52.978 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.000 min
Lab File: VY015573.D
Acq: 15 Sep 2023 16:38

Tgt Ion: 95 Resp: 203244
Ion Ratio Lower Upper
95 100
174 85.7 0.0 178.2
176 81.8 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY015573.D

Acq: 15 Sep 2023 16:38

Instrument :

MSVOA_Y

ClientSampleId :

360

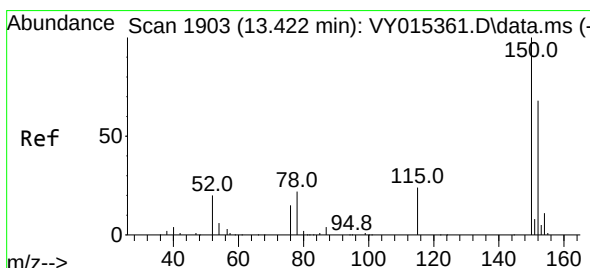
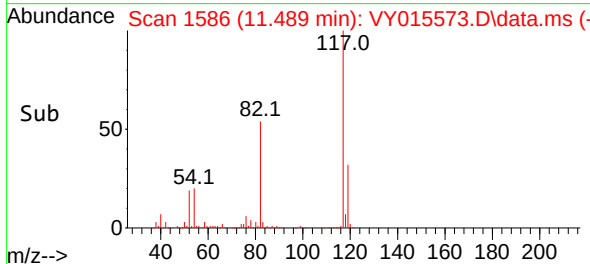
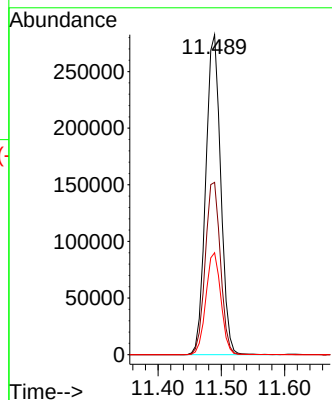
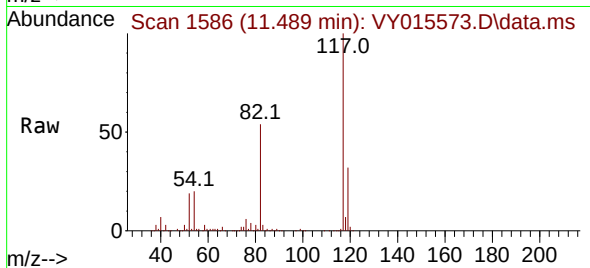
Tgt Ion:117 Resp: 465121

Ion Ratio Lower Upper

117 100

82 53.8 43.4 65.0

119 31.8 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: VY015573.D

Acq: 15 Sep 2023 16:38

Tgt Ion:152 Resp: 216551

Ion Ratio Lower Upper

152 100

115 58.1 28.8 86.5

150 156.1 0.0 348.8

