

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092023\
 Data File : VY015663.D
 Acq On : 20 Sep 2023 16:53
 Operator : SY/MD
 Sample : 04531-04
 Misc : 5.92g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-A

Quant Time: Sep 21 03:43:49 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091923S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 20 01:39:40 2023
 Response via : Initial Calibration

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

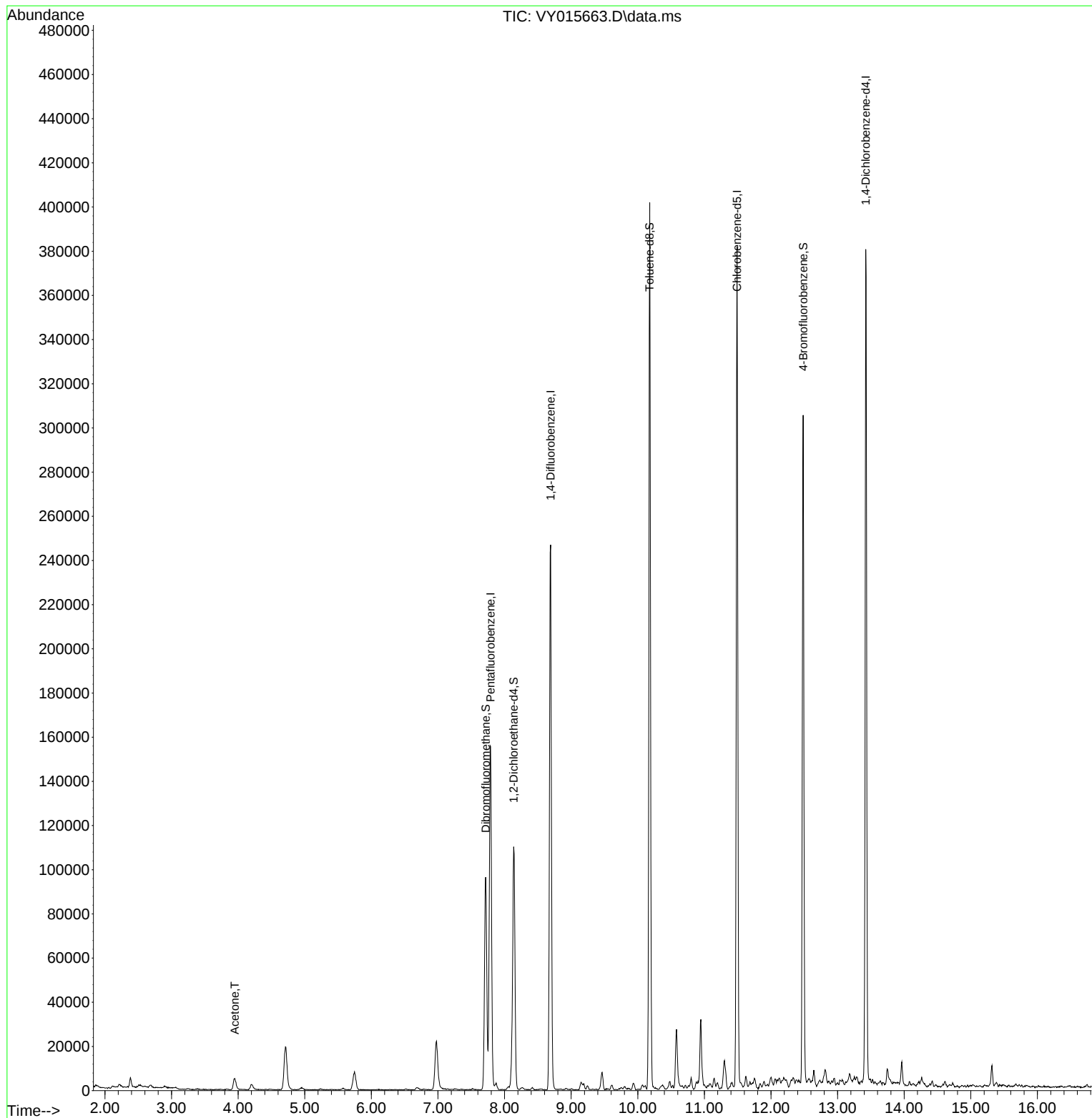
Internal Standards						
1) Pentafluorobenzene	7.789	168	123161	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	213760	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	199430	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	97097	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	81837	60.391	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 120.780%	
35) Dibromofluoromethane	7.716	113	69541	54.353	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 108.700%	
50) Toluene-d8	10.179	98	253356	58.403	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 116.800%	
62) 4-Bromofluorobenzene	12.483	95	89192	52.392	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 104.780%	
Target Compounds						
16) Acetone	3.948	43	9597	13.234	ug/l	Qvalue 93

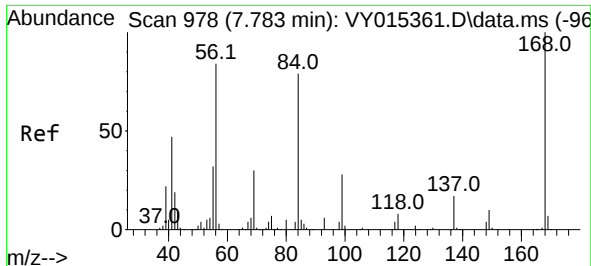
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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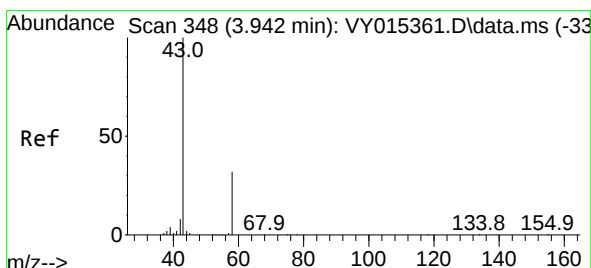
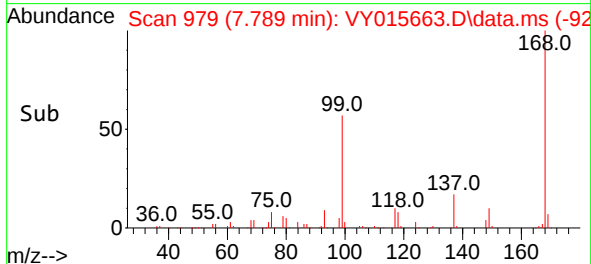
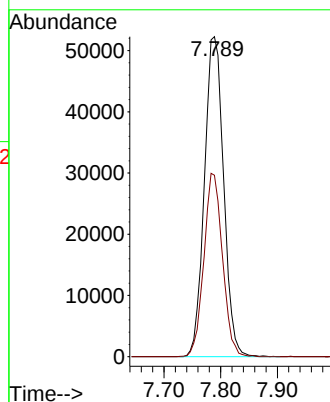
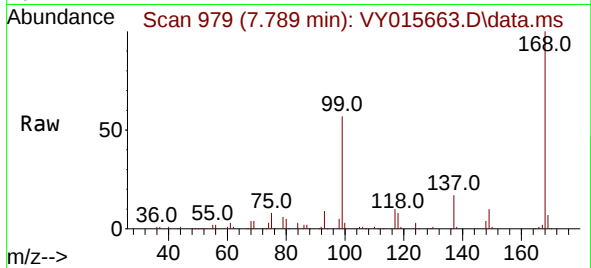




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY015663.D
Acq: 20 Sep 2023 16:53

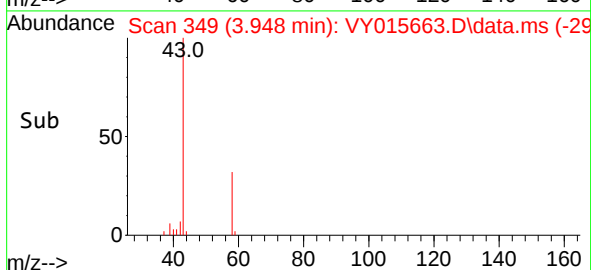
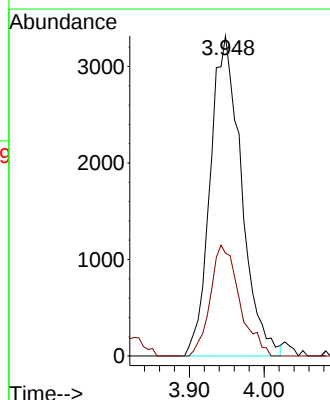
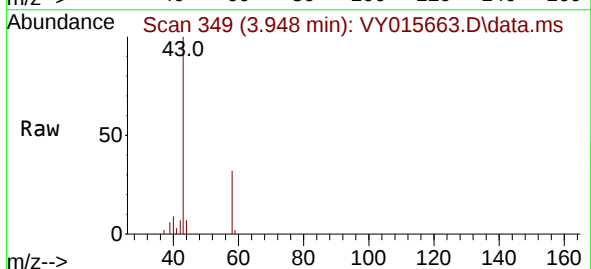
Instrument :
MSVOA_Y
ClientSampleId :
TP-A

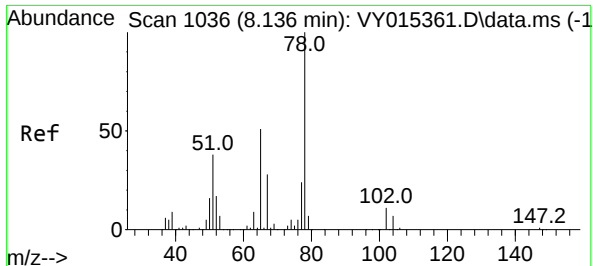
Tgt Ion:168 Resp: 123161
Ion Ratio Lower Upper
168 100
99 56.7 43.4 65.0



#16
Acetone
Concen: 13.234 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.006 min
Lab File: VY015663.D
Acq: 20 Sep 2023 16:53

Tgt Ion: 43 Resp: 9597
Ion Ratio Lower Upper
43 100
58 32.1 22.7 34.1





#33

1,2-Dichloroethane-d4

Concen: 60.391 ug/l

RT: 8.137 min Scan# 1036

Delta R.T. 0.001 min

Lab File: VY015663.D

Acq: 20 Sep 2023 16:53

Instrument :

MSVOA_Y

ClientSampleId :

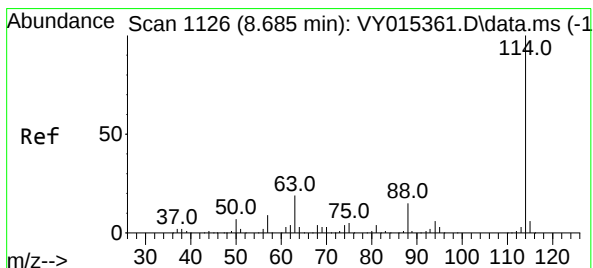
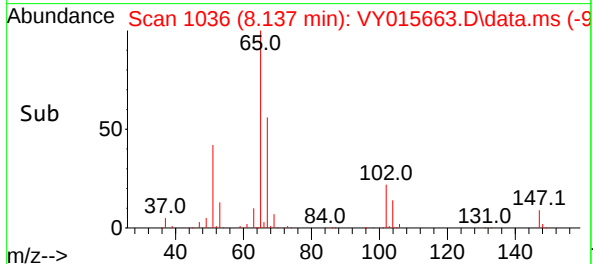
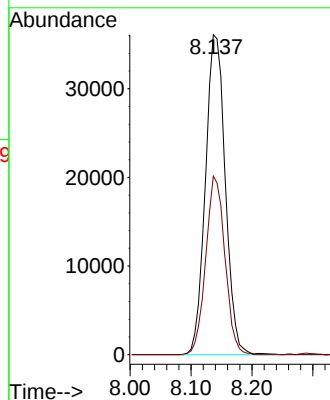
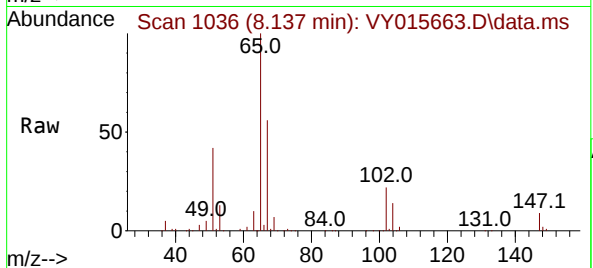
TP-A

Tgt Ion: 65 Resp: 81837

Ion Ratio Lower Upper

65 100

67 53.9 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: VY015663.D

Acq: 20 Sep 2023 16:53

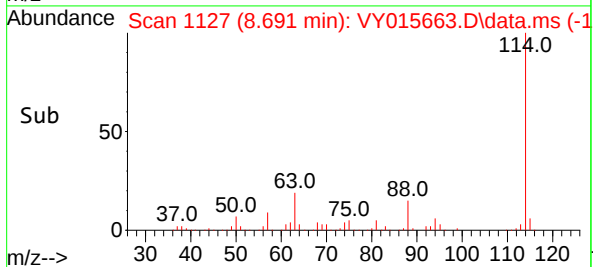
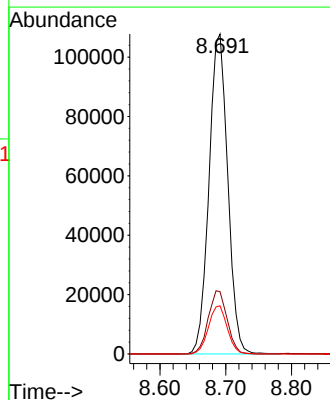
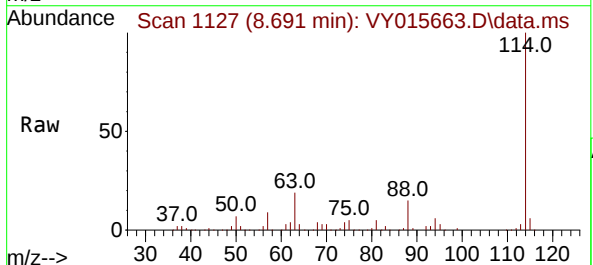
Tgt Ion: 114 Resp: 213760

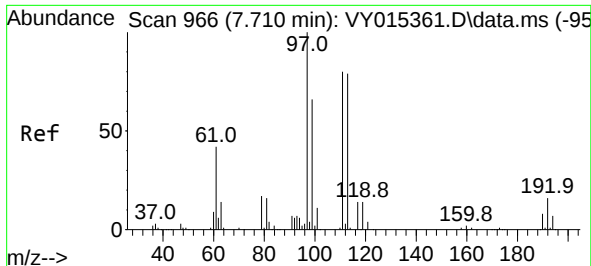
Ion Ratio Lower Upper

114 100

63 19.5 0.0 42.4

88 15.1 0.0 30.6

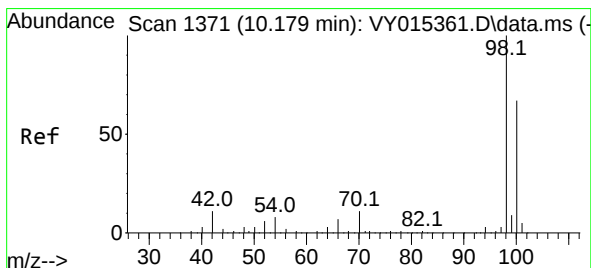
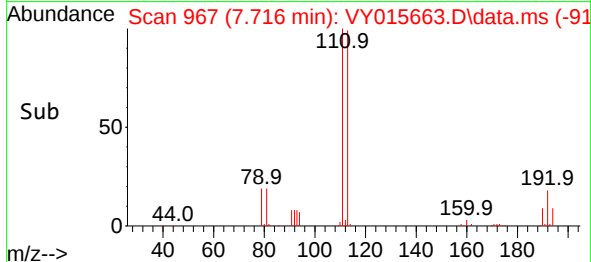
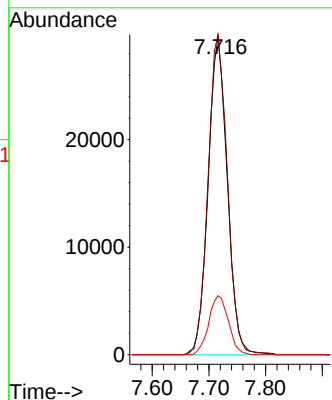
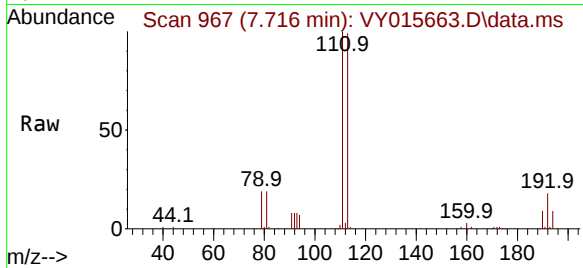




#35
Dibromofluoromethane
Concen: 54.353 ug/l
RT: 7.716 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY015663.D
Acq: 20 Sep 2023 16:53

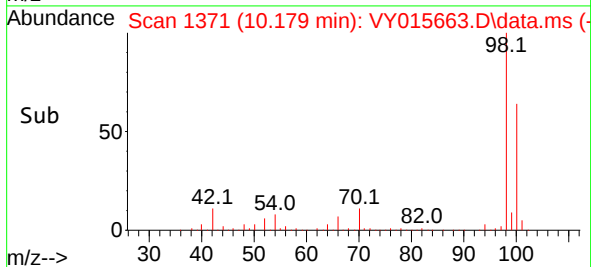
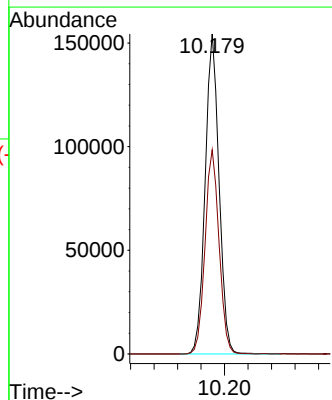
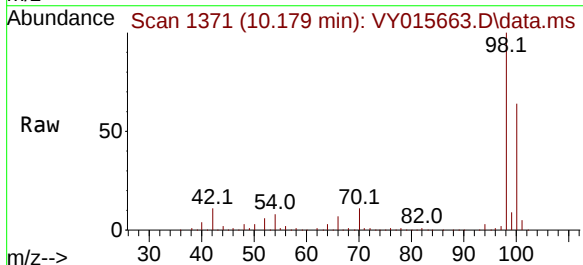
Instrument :
MSVOA_Y
ClientSampleId :
TP-A

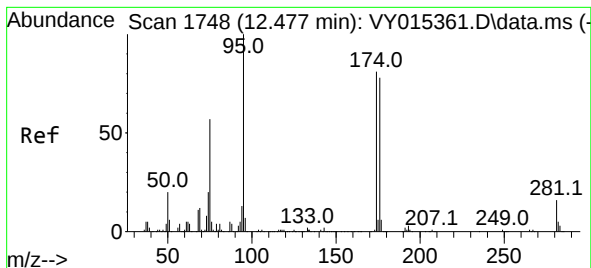
Tgt Ion:113 Resp: 69541
Ion Ratio Lower Upper
113 100
111 101.3 81.3 121.9
192 19.0 16.9 25.3



#50
Toluene-d8
Concen: 58.403 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY015663.D
Acq: 20 Sep 2023 16:53

Tgt Ion: 98 Resp: 253356
Ion Ratio Lower Upper
98 100
100 64.3 50.1 75.1

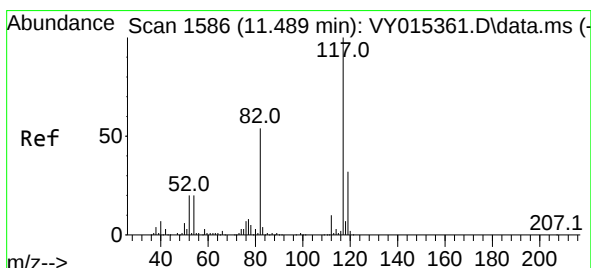
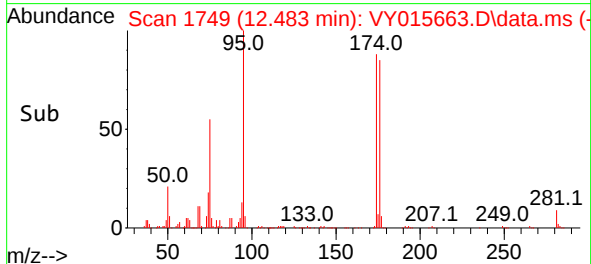
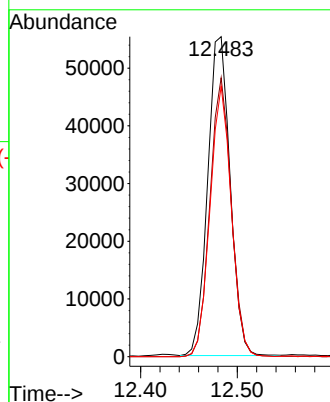
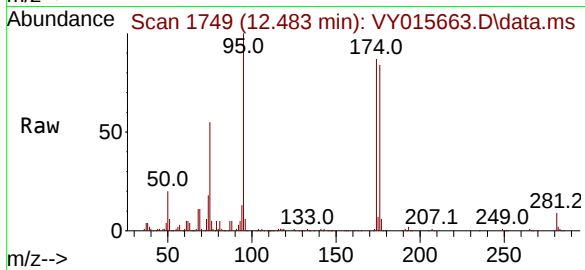




#62
4-Bromofluorobenzene
Concen: 52.392 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY015663.D
Acq: 20 Sep 2023 16:53

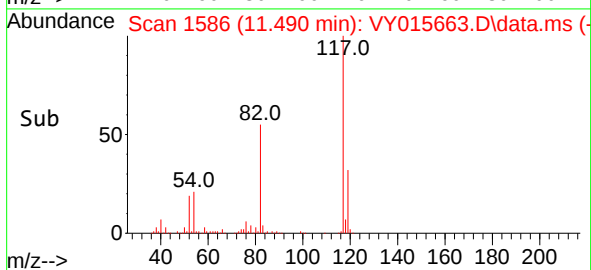
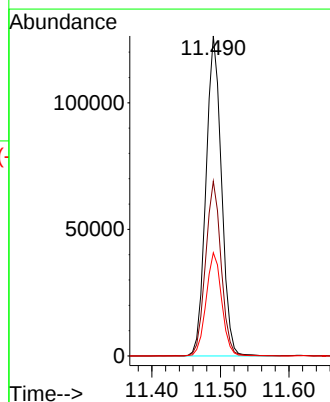
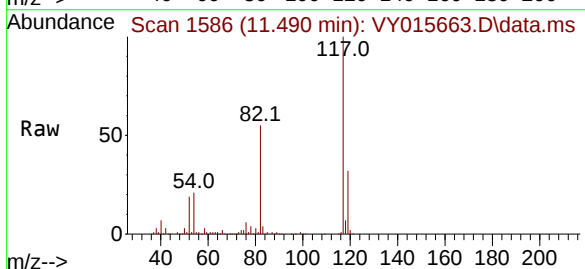
Instrument :
MSVOA_Y
ClientSampleId :
TP-A

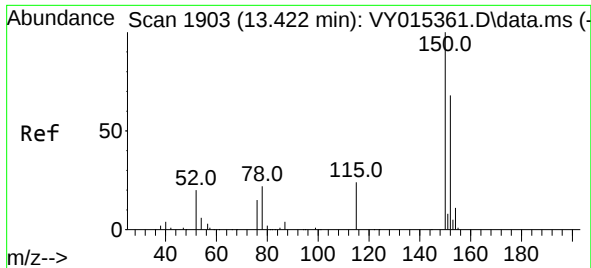
Tgt Ion: 95 Resp: 89192
Ion Ratio Lower Upper
95 100
174 83.4 0.0 178.2
176 80.4 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.001 min
Lab File: VY015663.D
Acq: 20 Sep 2023 16:53

Tgt Ion: 117 Resp: 199430
Ion Ratio Lower Upper
117 100
82 54.5 43.4 65.0
119 32.3 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: VY015663.D
 Acq: 20 Sep 2023 16:53

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-A

Tgt Ion:152 Resp: 97097
 Ion Ratio Lower Upper
 152 100
 115 57.2 28.8 86.5
 150 155.0 0.0 348.8

