

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100323\
 Data File : VY015803.D
 Acq On : 03 Oct 2023 14:09
 Operator : SY/MD
 Sample : 04687-03
 Misc : 5.03g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 HR-3-092923

Quant Time: Oct 04 01:11:01 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)

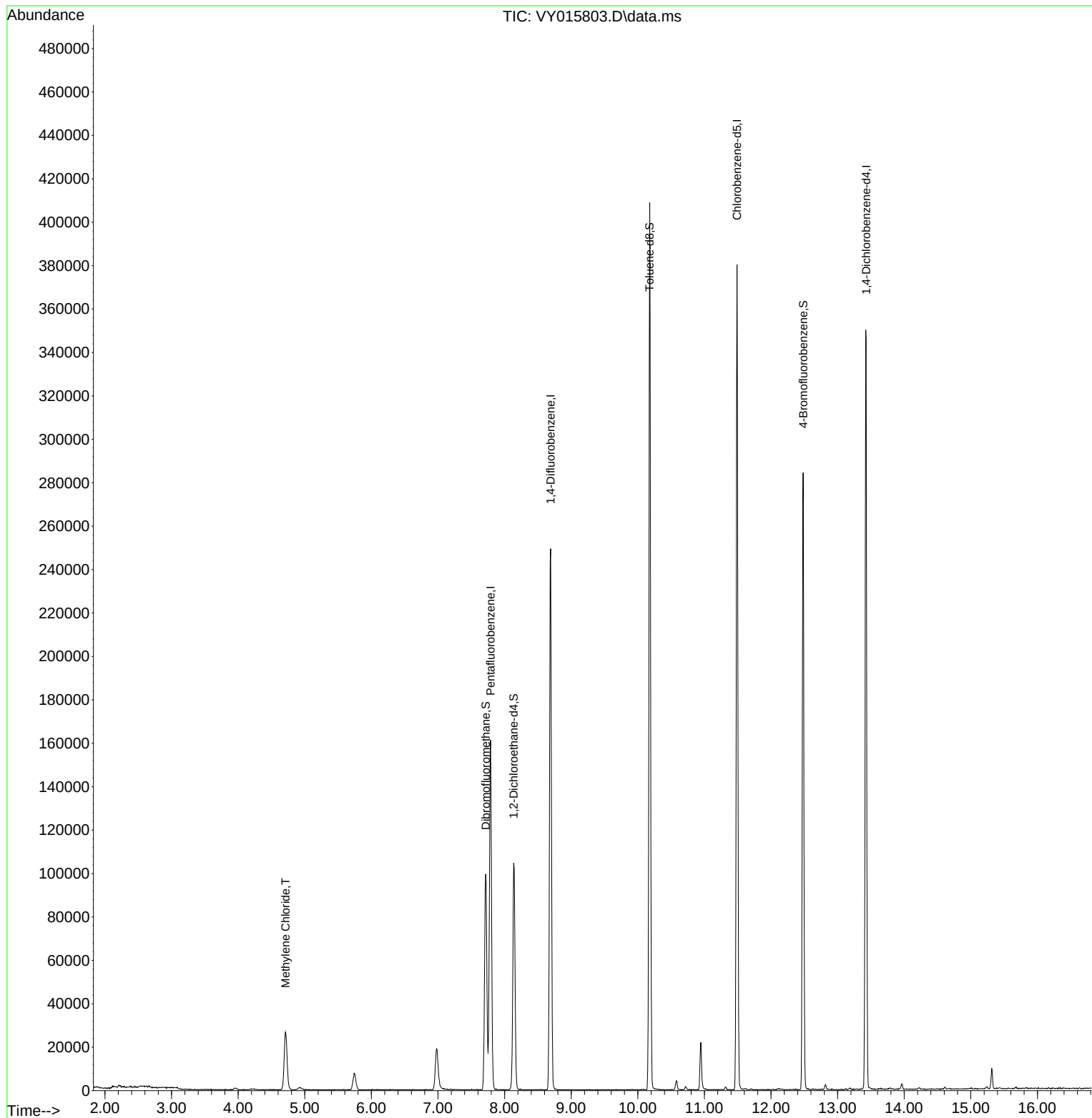
Internal Standards						
1) Pentafluorobenzene	7.789	168	122367	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	218714	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	204716	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	91122	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	81522	60.549	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 121.100%	
35) Dibromofluoromethane	7.716	113	71902	54.926	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 109.860%	
50) Toluene-d8	10.179	98	258215	58.175	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 116.340%	
62) 4-Bromofluorobenzene	12.483	95	86088	49.423	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 98.840%	
Target Compounds						Qvalue
20) Methylene Chloride	4.710	84	20615	9.106	ug/l	86

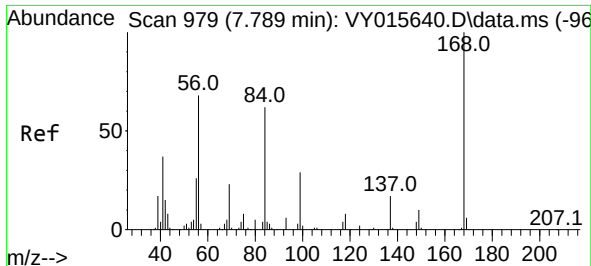
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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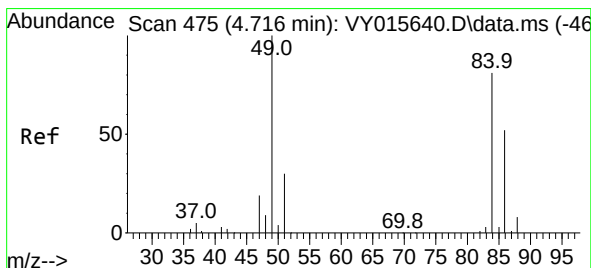
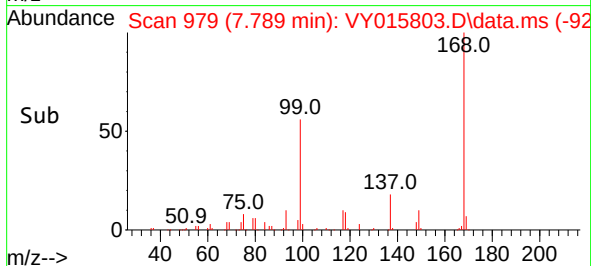
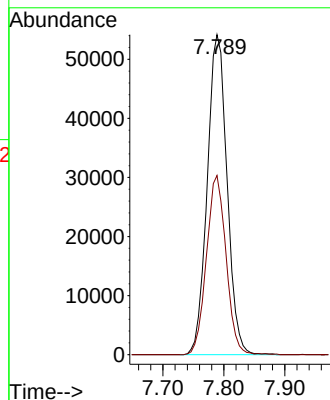
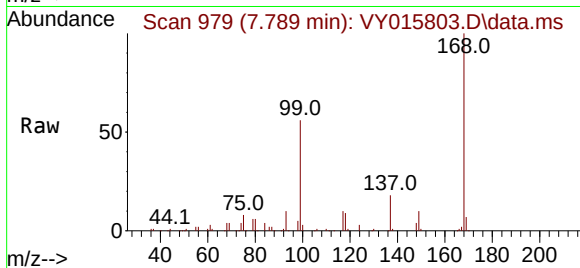




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY015803.D
Acq: 03 Oct 2023 14:09

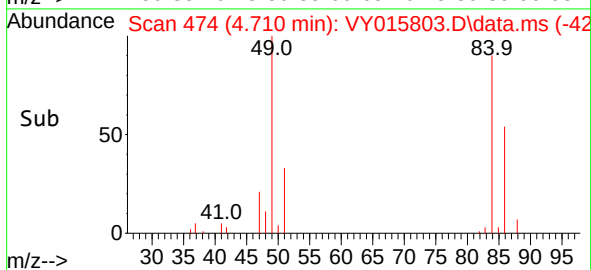
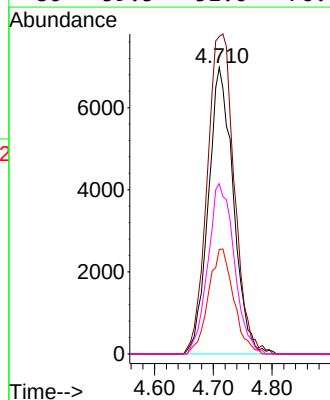
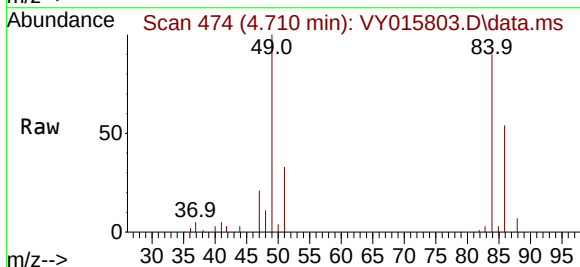
Instrument :
MSVOA_Y
ClientSampleId :
HR-3-092923

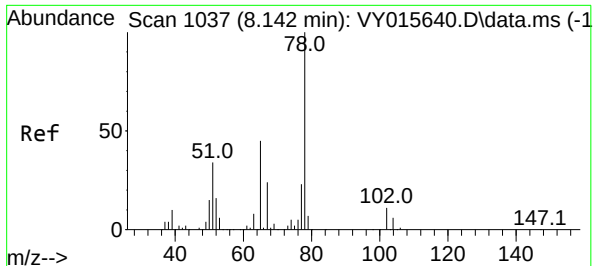
Tgt Ion:168 Resp: 122367
Ion Ratio Lower Upper
168 100
99 56.0 43.4 65.0



#20
Methylene Chloride
Concen: 9.106 ug/l
RT: 4.710 min Scan# 474
Delta R.T. 0.006 min
Lab File: VY015803.D
Acq: 03 Oct 2023 14:09

Tgt Ion: 84 Resp: 20615
Ion Ratio Lower Upper
84 100
49 110.8 106.9 160.3
51 36.5 33.2 49.8
86 59.5 51.0 76.6





#33

1,2-Dichloroethane-d4

Concen: 60.549 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VY015803.D

Acq: 03 Oct 2023 14:09

Instrument :

MSVOA_Y

ClientSampleId :

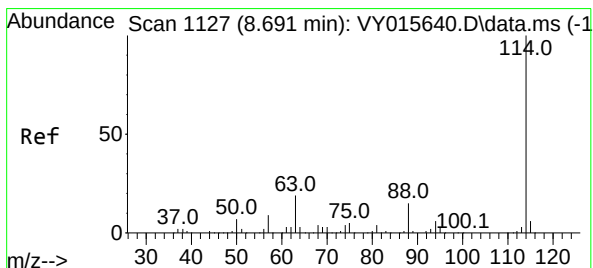
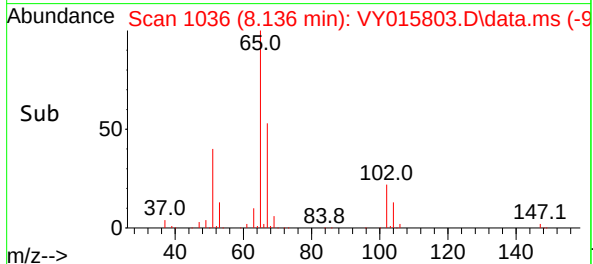
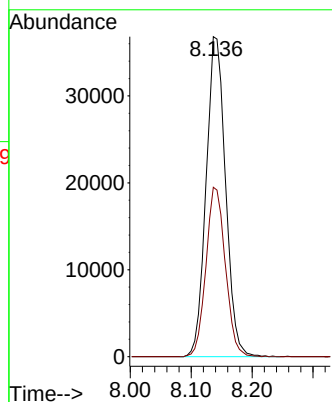
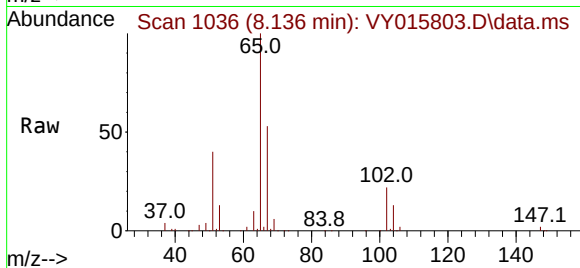
HR-3-092923

Tgt Ion: 65 Resp: 81522

Ion Ratio Lower Upper

65 100

67 52.8 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: VY015803.D

Acq: 03 Oct 2023 14:09

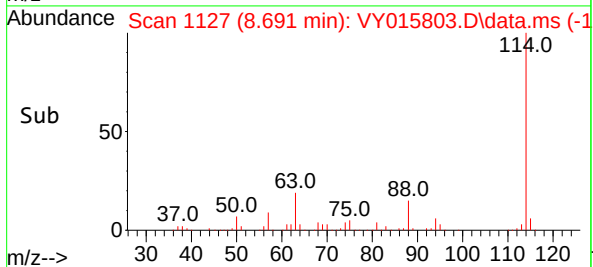
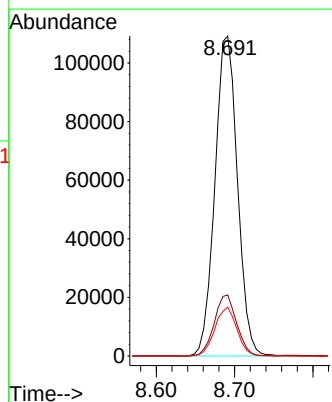
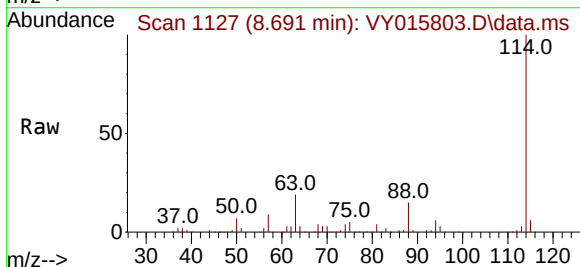
Tgt Ion: 114 Resp: 218714

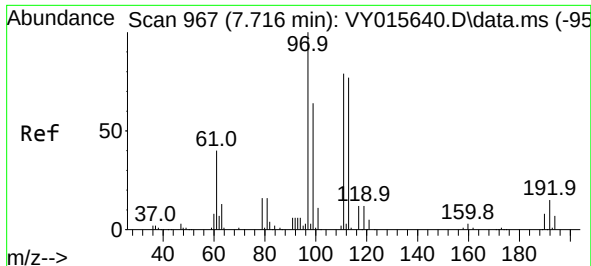
Ion Ratio Lower Upper

114 100

63 19.1 0.0 42.4

88 15.2 0.0 30.6

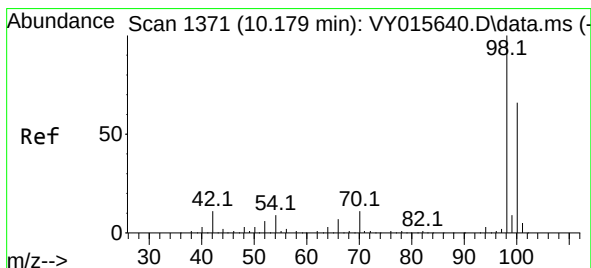
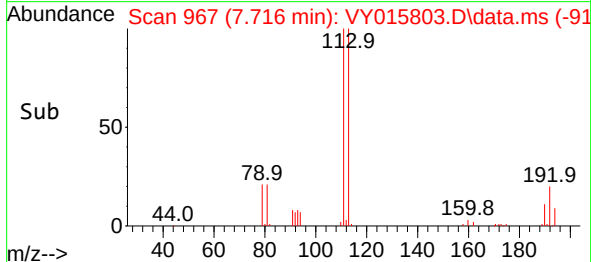
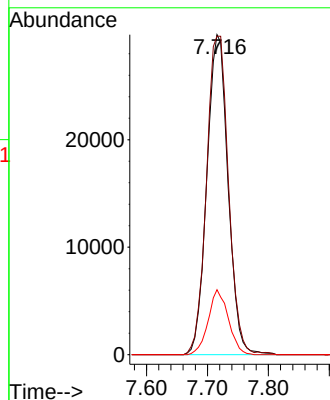
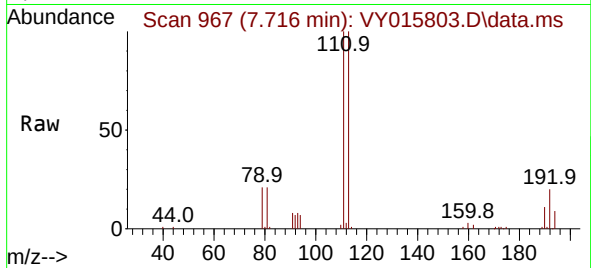




#35
Dibromofluoromethane
Concen: 54.926 ug/l
RT: 7.716 min Scan# 90
Delta R.T. -0.000 min
Lab File: VY015803.D
Acq: 03 Oct 2023 14:09

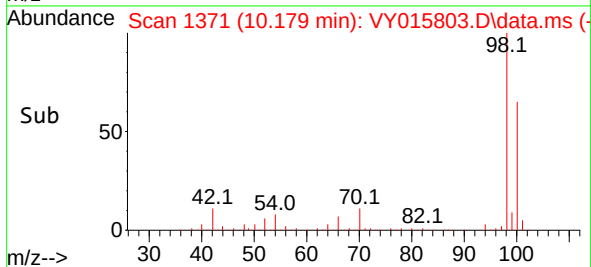
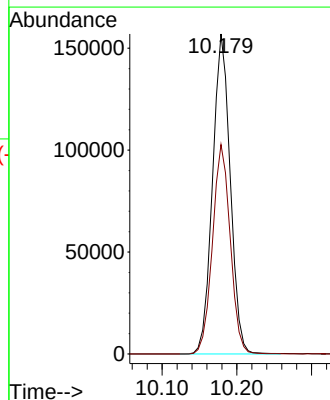
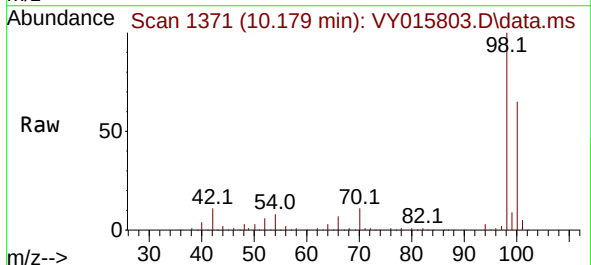
Instrument :
MSVOA_Y
ClientSampleId :
HR-3-092923

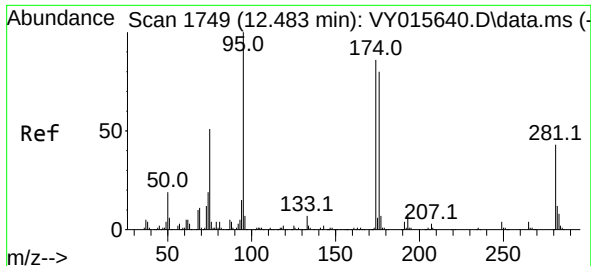
Tgt Ion:113 Resp: 71902
Ion Ratio Lower Upper
113 100
111 103.5 81.3 121.9
192 19.3 16.9 25.3



#50
Toluene-d8
Concen: 58.175 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY015803.D
Acq: 03 Oct 2023 14:09

Tgt Ion: 98 Resp: 258215
Ion Ratio Lower Upper
98 100
100 65.6 50.1 75.1

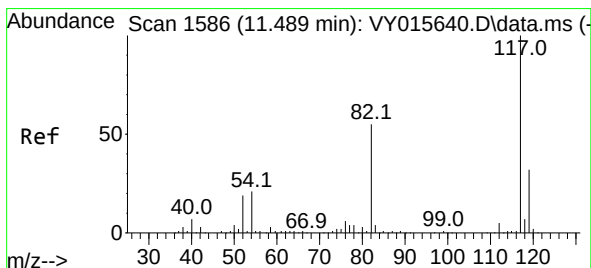
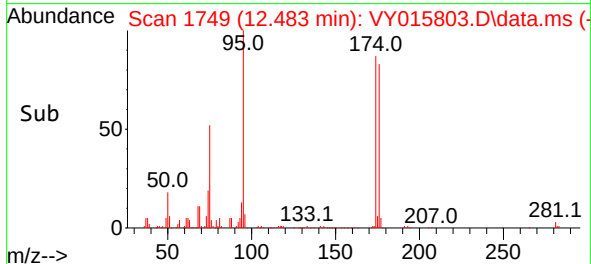
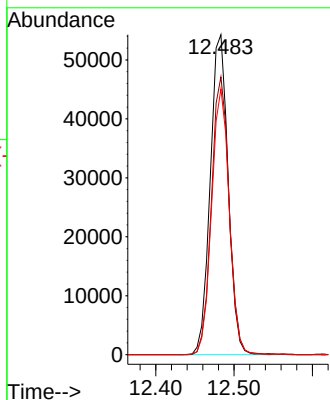
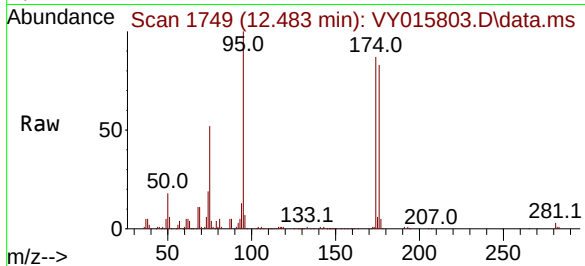




#62
4-Bromofluorobenzene
Concen: 49.423 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY015803.D
Acq: 03 Oct 2023 14:09

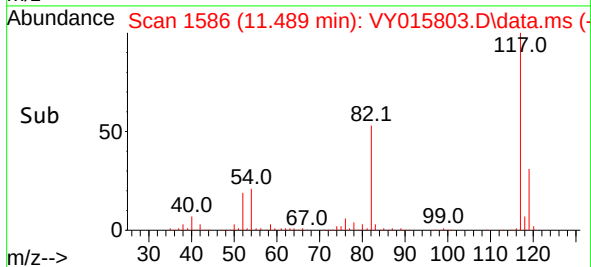
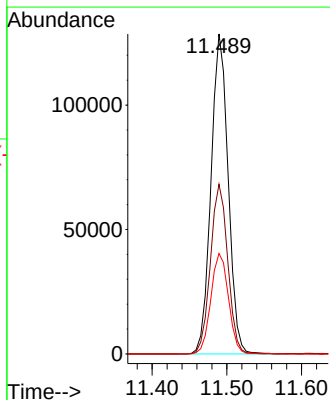
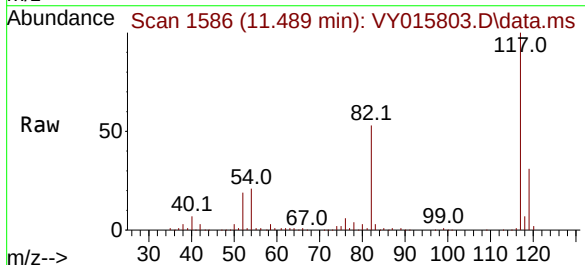
Instrument :
MSVOA_Y
ClientSampleId :
HR-3-092923

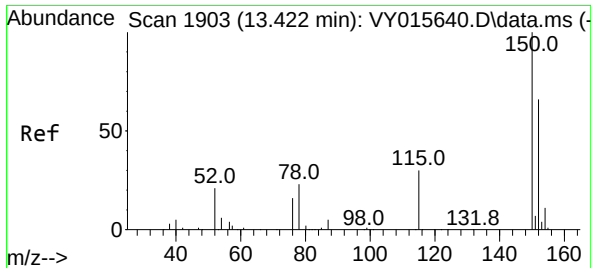
Tgt Ion: 95 Resp: 86088
Ion Ratio Lower Upper
95 100
174 86.1 0.0 178.2
176 82.0 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY015803.D
Acq: 03 Oct 2023 14:09

Tgt Ion: 117 Resp: 204716
Ion Ratio Lower Upper
117 100
82 53.1 43.4 65.0
119 31.4 26.3 39.5





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. 0.006 min
 Lab File: VY015803.D
 Acq: 03 Oct 2023 14:09

Instrument :
 MSVOA_Y
 ClientSampleId :
 HR-3-092923

Tgt Ion	Resp	Lower	Upper
152	91122		
115	58.6	28.8	86.5
150	156.6	0.0	348.8

