

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061323\
 Data File : VY014148.D
 Acq On : 13 Jun 2023 18:36
 Operator : KP/MD
 Sample : 03160-01
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 PNNL-B-0609-1

Quant Time: Jun 14 01:39:01 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060923S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 09 18:07:13 2023
 Response via : Initial Calibration

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

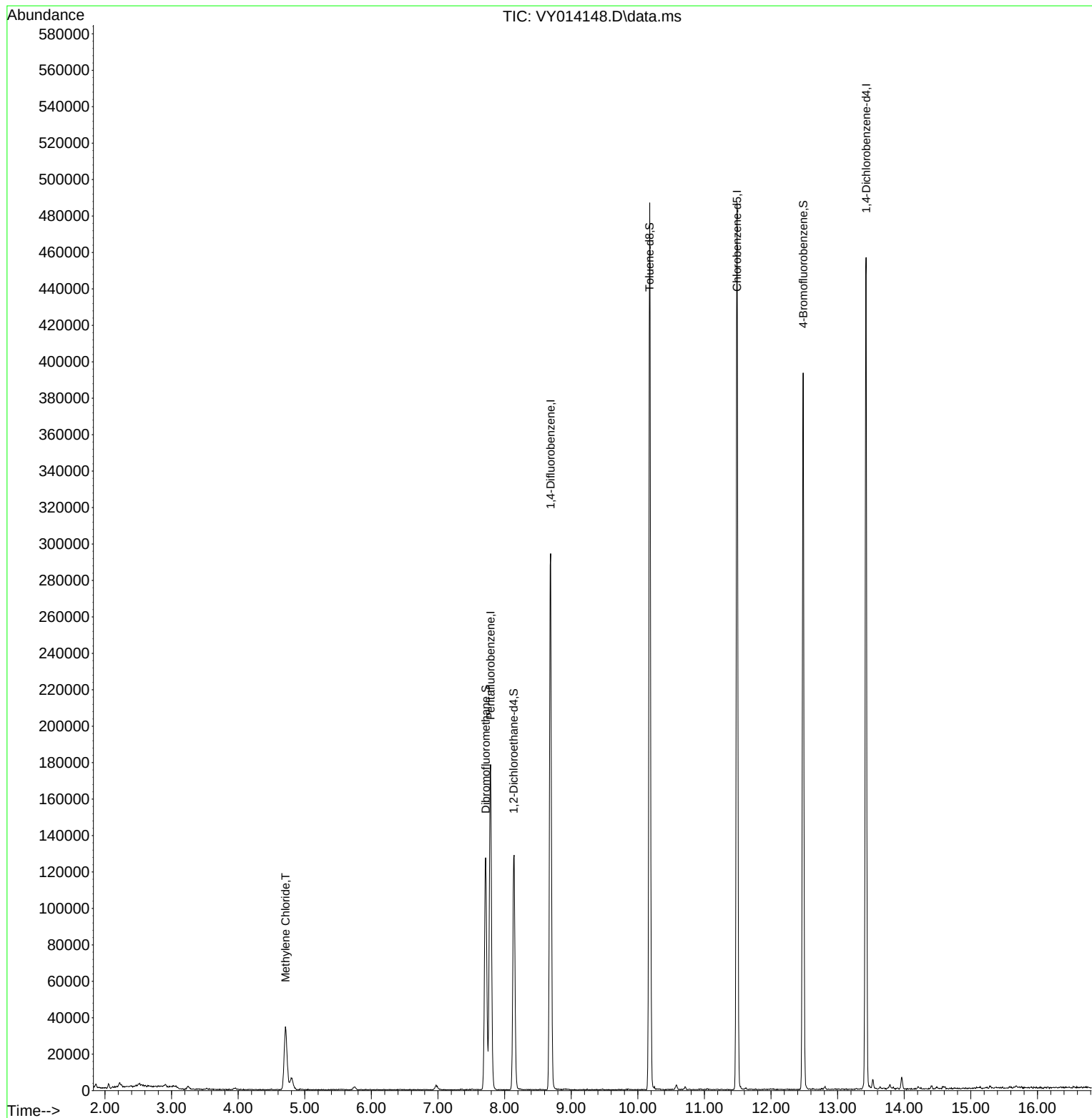
Internal Standards						
1) Pentafluorobenzene	7.789	168	140964	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	247584	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	258464	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	117259	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	107906	54.971	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	109.940%
35) Dibromofluoromethane	7.716	113	86637	49.343	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.680%
50) Toluene-d8	10.179	98	310509	47.303	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	94.600%
62) 4-Bromofluorobenzene	12.483	95	106437	45.645	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	91.300%
Target Compounds						
20) Methylene Chloride	4.710	84	24996	10.392	ug/l	Qvalue 94

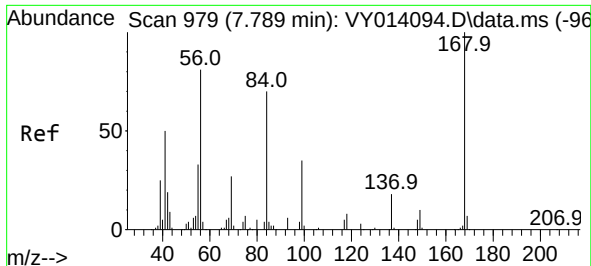
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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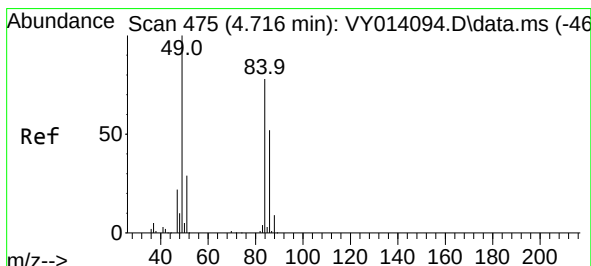
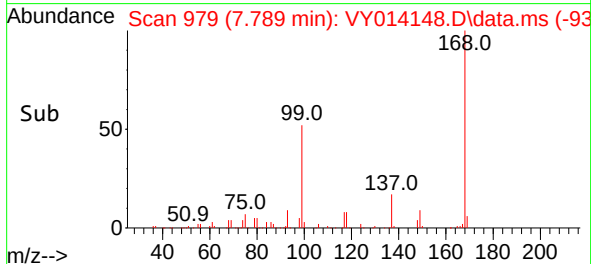
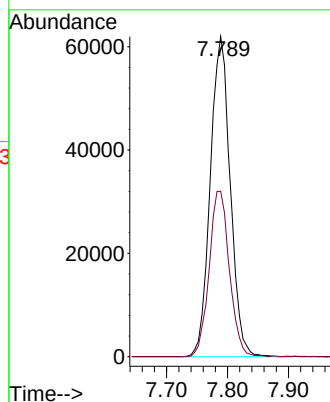
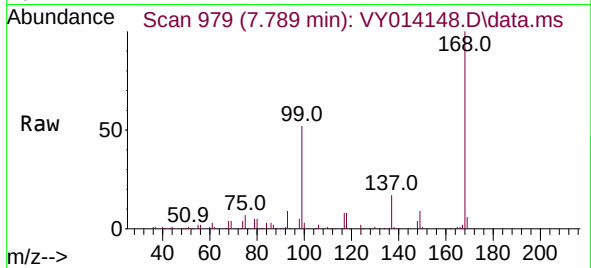




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014148.D
Acq: 13 Jun 2023 18:36

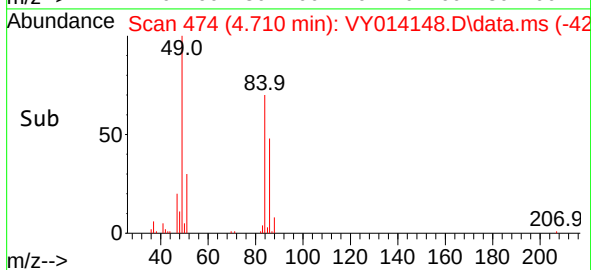
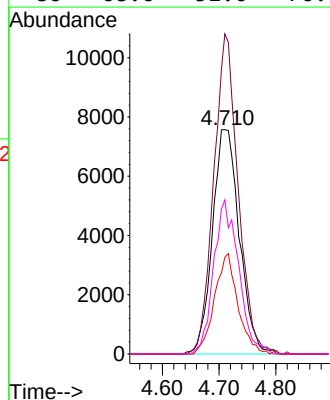
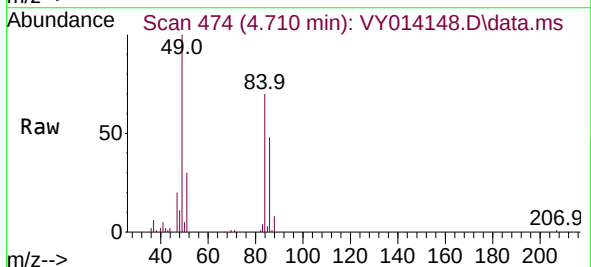
Instrument :
MSVOA_Y
ClientSampleId :
PNNL-B-0609-1

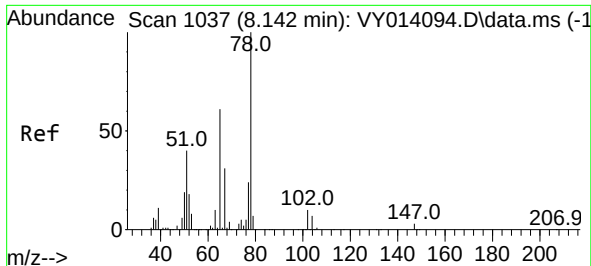
Tgt Ion:168 Resp: 140964
Ion Ratio Lower Upper
168 100
99 51.7 43.4 65.0



#20
Methylene Chloride
Concen: 10.392 ug/l
RT: 4.710 min Scan# 474
Delta R.T. -0.006 min
Lab File: VY014148.D
Acq: 13 Jun 2023 18:36

Tgt Ion: 84 Resp: 24996
Ion Ratio Lower Upper
84 100
49 142.6 106.9 160.3
51 43.1 33.2 49.8
86 68.6 51.0 76.6





#33

1,2-Dichloroethane-d4

Concen: 54.971 ug/l

RT: 8.136 min Scan# 1037

Delta R.T. -0.006 min

Lab File: VY014148.D

Acq: 13 Jun 2023 18:36

Instrument :

MSVOA_Y

ClientSampleId :

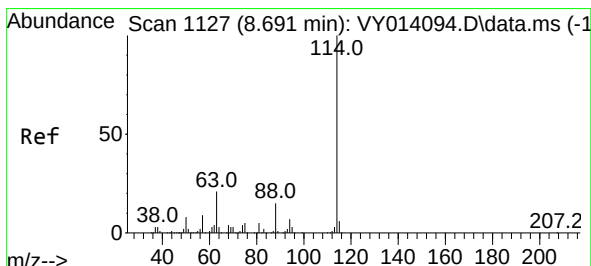
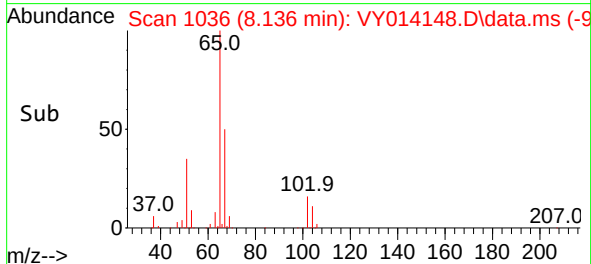
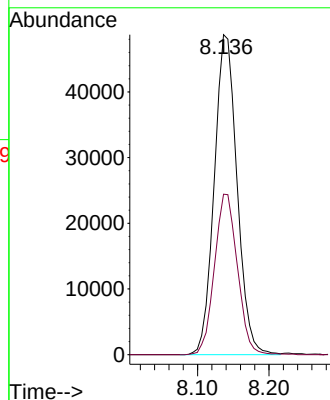
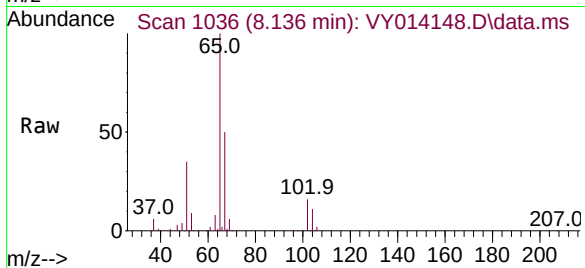
PNNL-B-0609-1

Tgt Ion: 65 Resp: 107906

Ion Ratio Lower Upper

65 100

67 50.5 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY014148.D

Acq: 13 Jun 2023 18:36

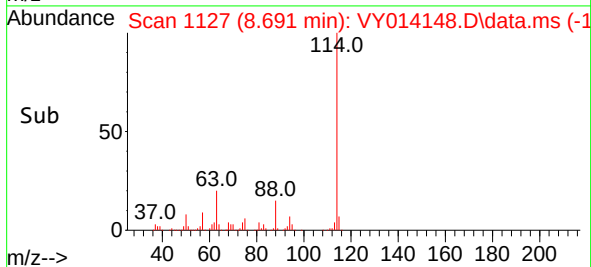
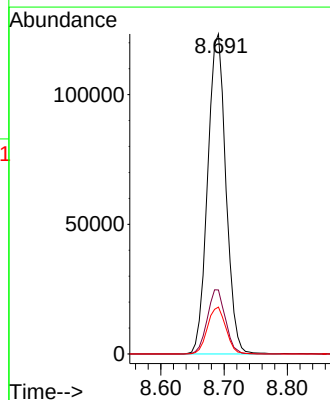
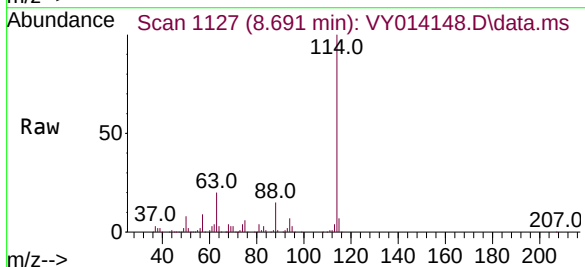
Tgt Ion: 114 Resp: 247584

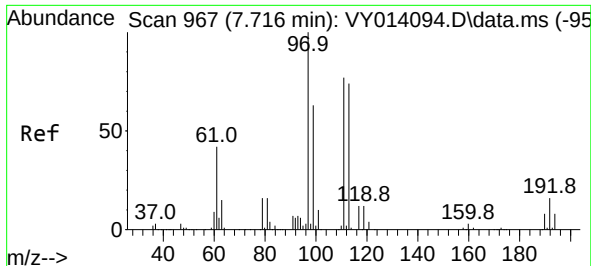
Ion Ratio Lower Upper

114 100

63 20.0 0.0 42.4

88 14.7 0.0 30.6

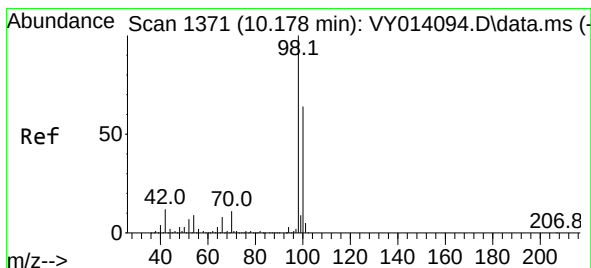
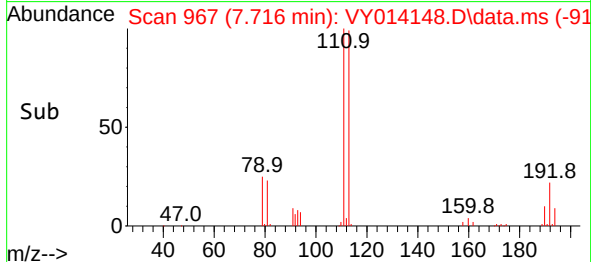
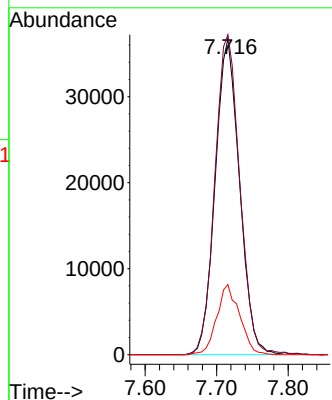
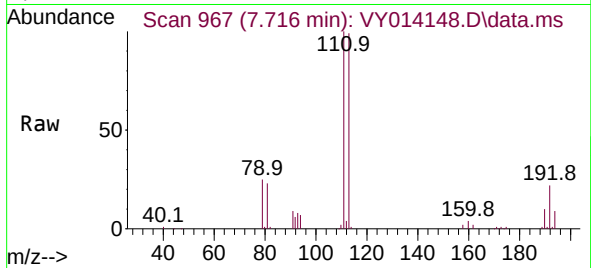




#35
Dibromofluoromethane
Concen: 49.343 ug/l
RT: 7.716 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014148.D
Acq: 13 Jun 2023 18:36

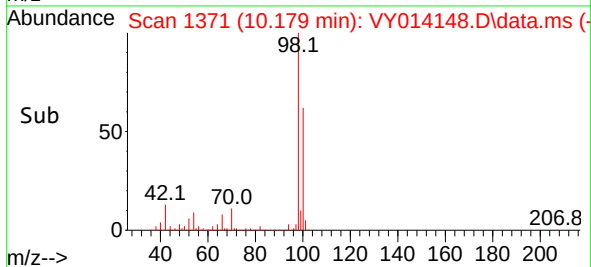
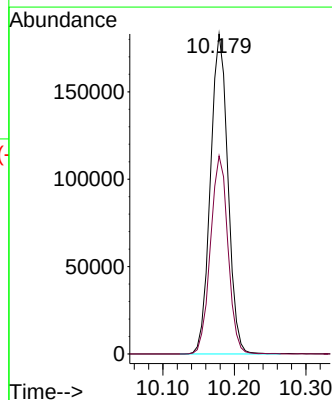
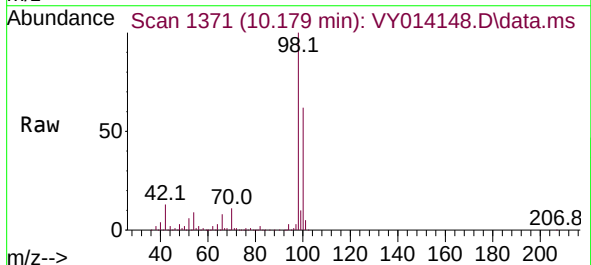
Instrument :
MSVOA_Y
ClientSampleId :
PNNL-B-0609-1

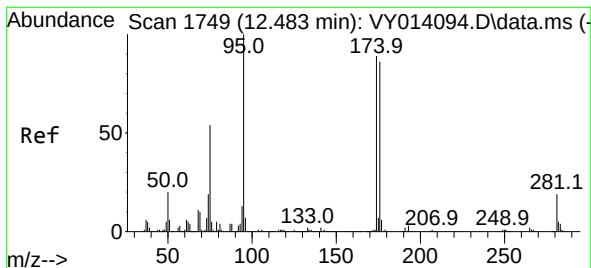
Tgt Ion:113 Resp: 86637
Ion Ratio Lower Upper
113 100
111 103.5 81.3 121.9
192 20.9 16.9 25.3



#50
Toluene-d8
Concen: 47.303 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.001 min
Lab File: VY014148.D
Acq: 13 Jun 2023 18:36

Tgt Ion: 98 Resp: 310509
Ion Ratio Lower Upper
98 100
100 62.0 50.1 75.1

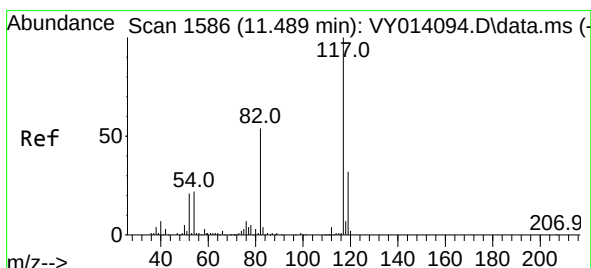
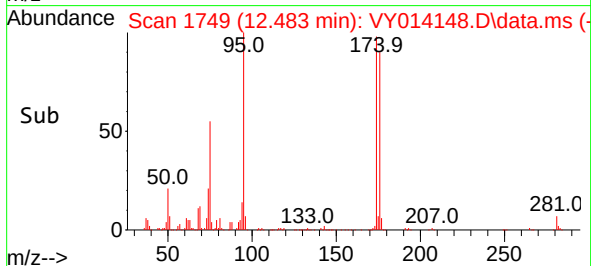
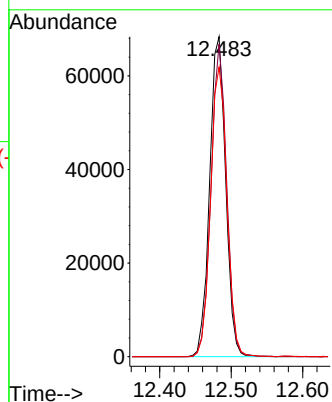
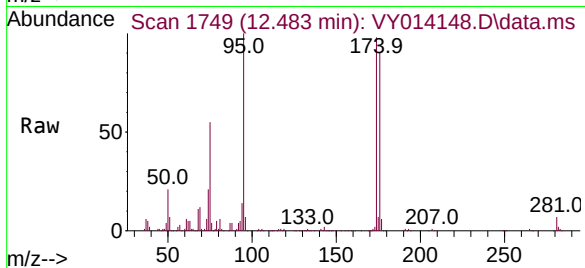




#62
4-Bromofluorobenzene
Concen: 45.645 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY014148.D
Acq: 13 Jun 2023 18:36

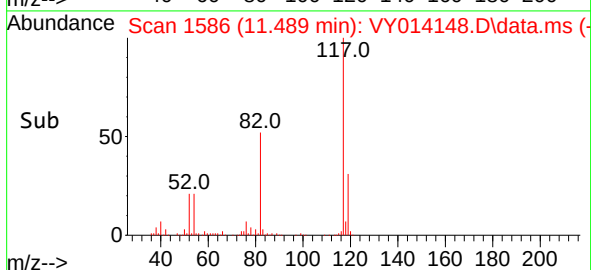
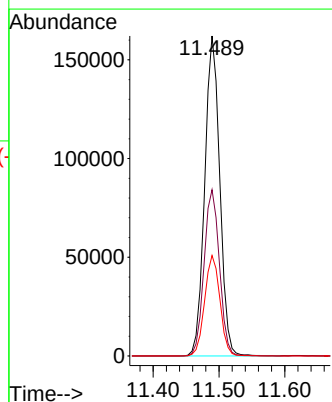
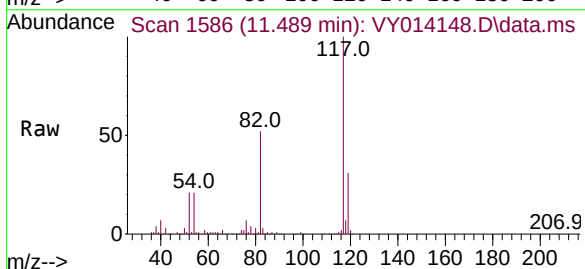
Instrument :
MSVOA_Y
ClientSampleId :
PNNL-B-0609-1

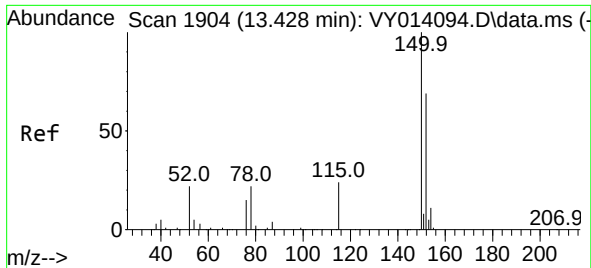
Tgt Ion: 95 Resp: 106437
Ion Ratio Lower Upper
95 100
174 95.1 0.0 178.2
176 92.5 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY014148.D
Acq: 13 Jun 2023 18:36

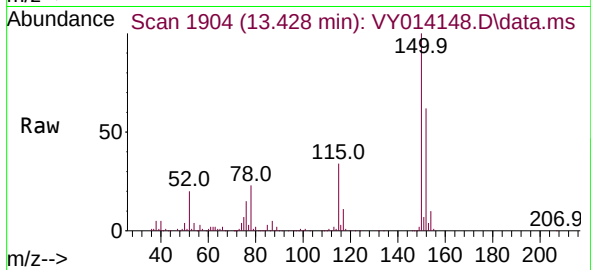
Tgt Ion: 117 Resp: 258464
Ion Ratio Lower Upper
117 100
82 51.9 43.4 65.0
119 31.4 26.3 39.5





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. 0.000 min
 Lab File: VY014148.D
 Acq: 13 Jun 2023 18:36

Instrument :
 MSVOA_Y
 ClientSampleId :
 PNNL-B-0609-1



Tgt Ion:152 Resp: 117259
 Ion Ratio Lower Upper
 152 100
 115 56.0 28.8 86.5
 150 158.2 0.0 348.8

