

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061323\
 Data File : VY014149.D
 Acq On : 13 Jun 2023 19:00
 Operator : KP/MD
 Sample : 03160-03
 Misc : 4.25g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 PNNL-B-0609-2

Quant Time: Jun 14 01:39:24 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)

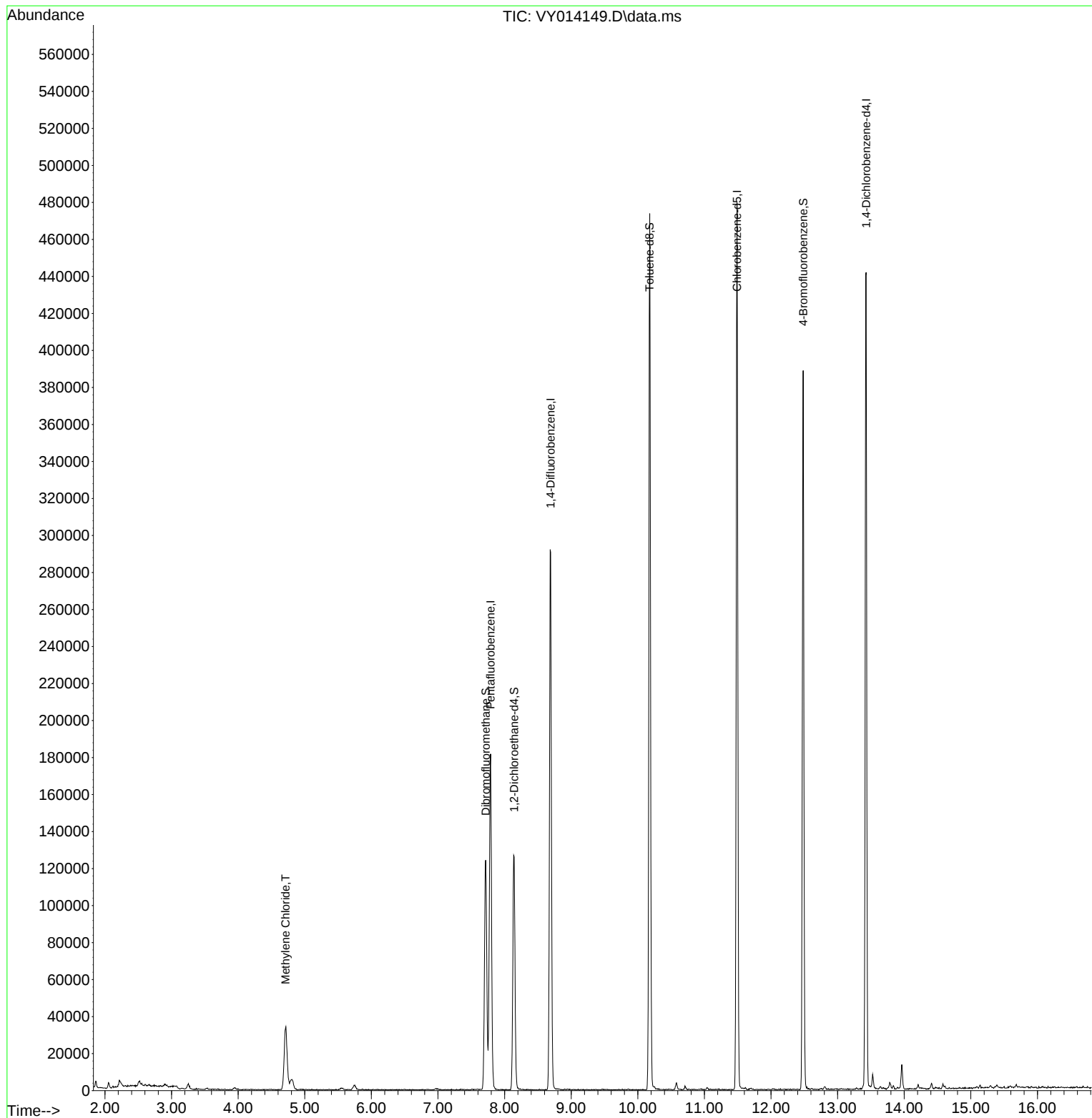
Internal Standards						
1) Pentafluorobenzene	7.789	168	138767	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	244401	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	254221	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	117747	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	107511	55.637	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	111.280%
35) Dibromofluoromethane	7.716	113	84441	48.719	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.440%
50) Toluene-d8	10.179	98	303041	46.767	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	93.540%
62) 4-Bromofluorobenzene	12.483	95	103987	45.176	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	90.360%
Target Compounds						Qvalue
20) Methylene Chloride	4.710	84	25270	10.777	ug/l	90

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

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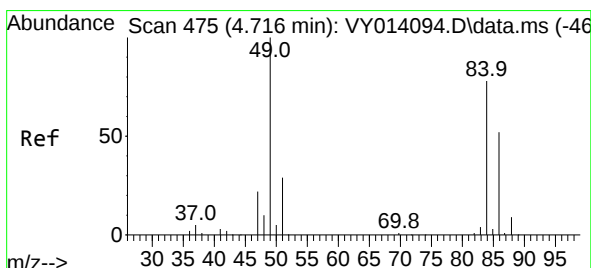
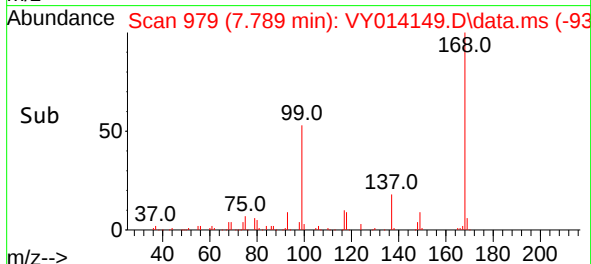
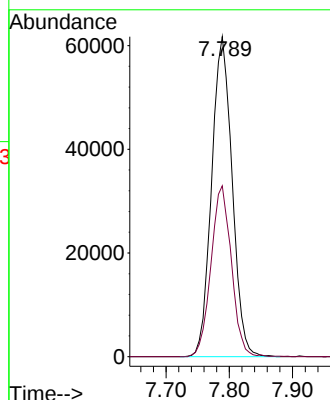
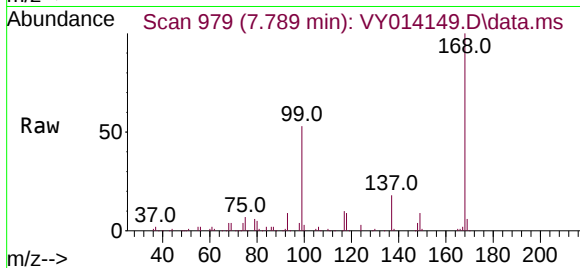




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014149.D
Acq: 13 Jun 2023 19:00

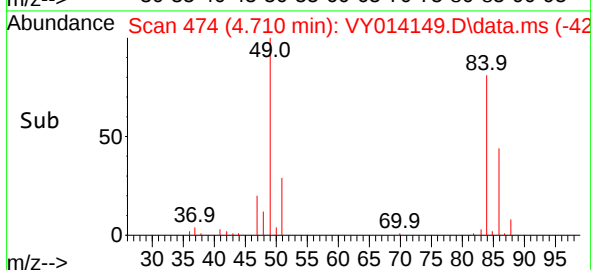
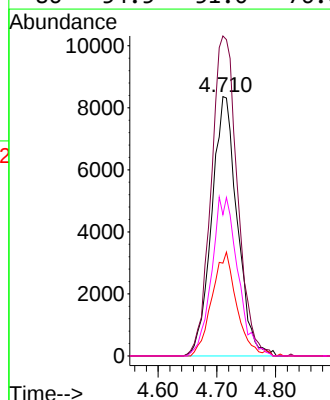
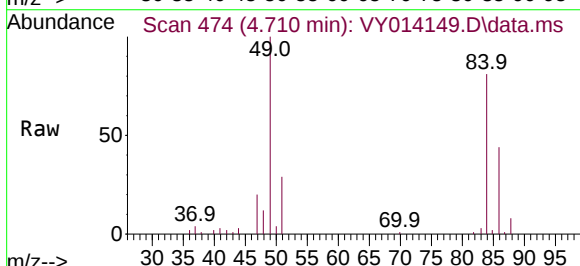
Instrument :
MSVOA_Y
ClientSampleId :
PNNL-B-0609-2

Tgt Ion:168 Resp: 138767
Ion Ratio Lower Upper
168 100
99 53.4 43.4 65.0



#20
Methylene Chloride
Concen: 10.777 ug/l
RT: 4.710 min Scan# 474
Delta R.T. -0.006 min
Lab File: VY014149.D
Acq: 13 Jun 2023 19:00

Tgt Ion: 84 Resp: 25270
Ion Ratio Lower Upper
84 100
49 123.4 106.9 160.3
51 35.8 33.2 49.8
86 54.5 51.0 76.6





#33

1,2-Dichloroethane-d4

Concen: 55.637 ug/l

RT: 8.143 min Scan# 1037

Delta R.T. 0.001 min

Lab File: VY014149.D

Acq: 13 Jun 2023 19:00

Instrument :

MSVOA_Y

ClientSampleId :

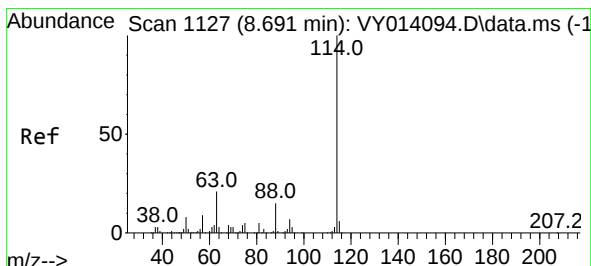
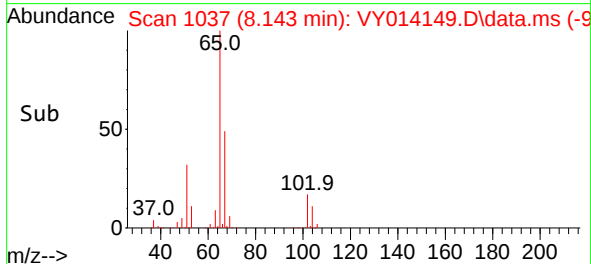
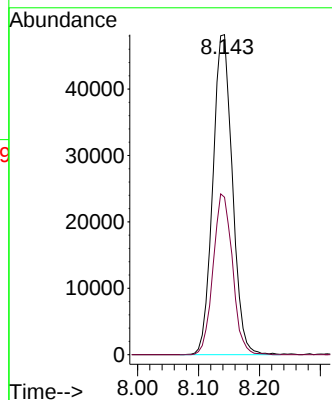
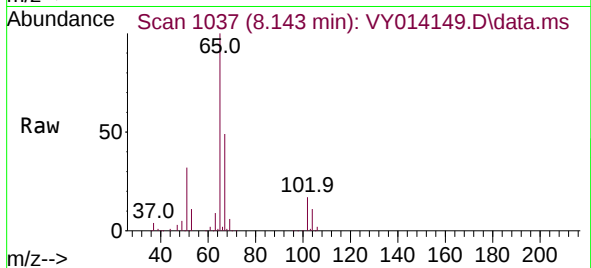
PNNL-B-0609-2

Tgt Ion: 65 Resp: 107511

Ion Ratio Lower Upper

65 100

67 49.6 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: VY014149.D

Acq: 13 Jun 2023 19:00

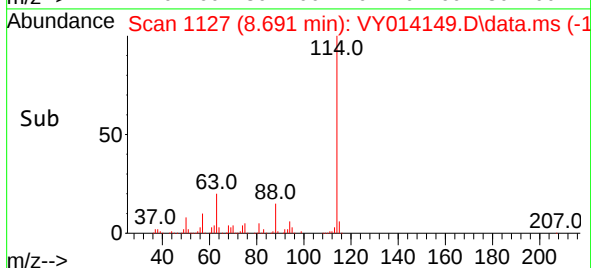
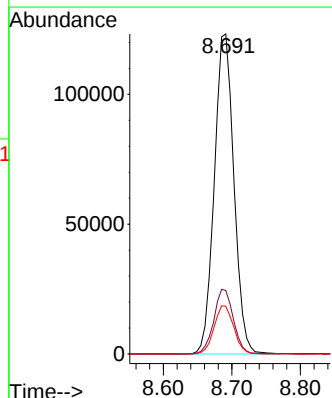
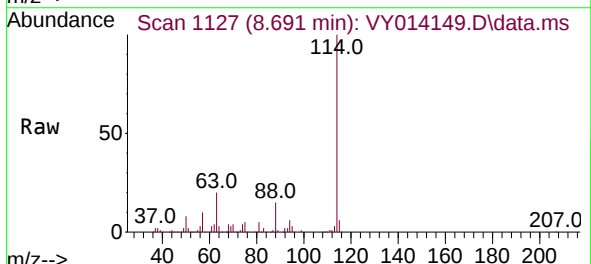
Tgt Ion: 114 Resp: 244401

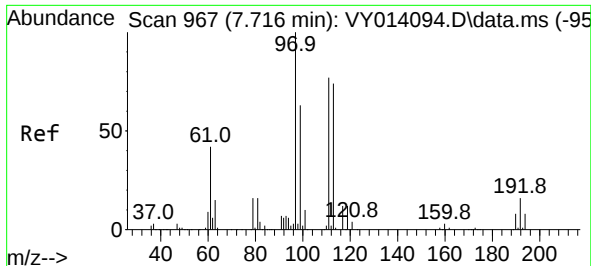
Ion Ratio Lower Upper

114 100

63 19.8 0.0 42.4

88 14.9 0.0 30.6

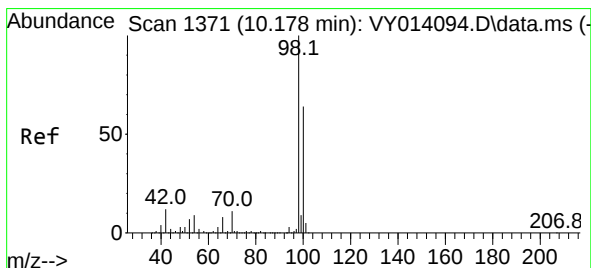
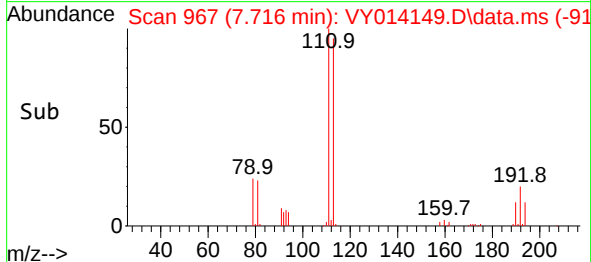
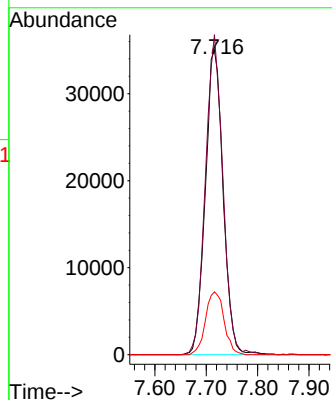
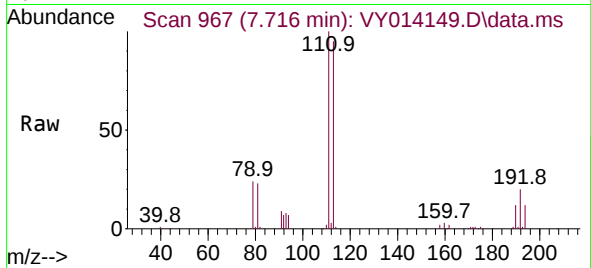




#35
Dibromofluoromethane
Concen: 48.719 ug/l
RT: 7.716 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY014149.D
Acq: 13 Jun 2023 19:00

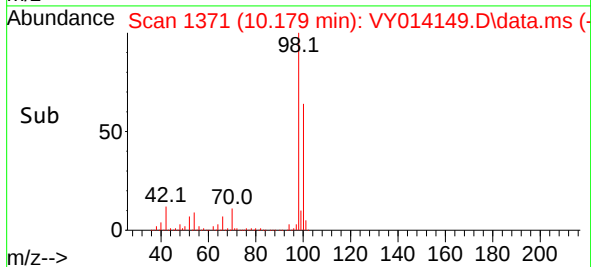
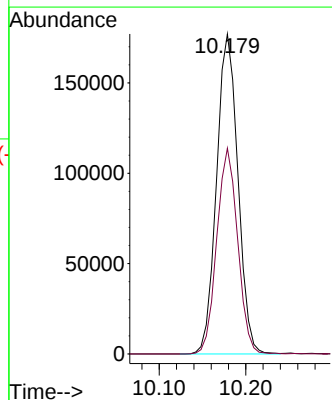
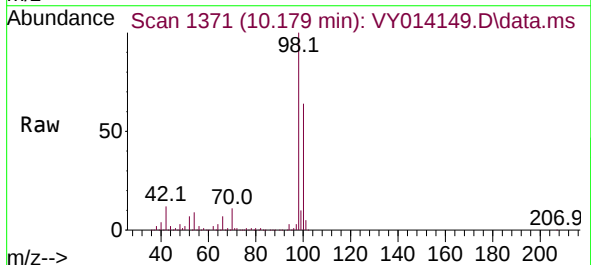
Instrument :
MSVOA_Y
ClientSampleId :
PNNL-B-0609-2

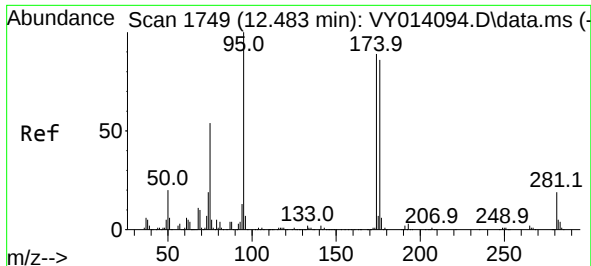
Tgt Ion:113 Resp: 84441
Ion Ratio Lower Upper
113 100
111 102.5 81.3 121.9
192 21.4 16.9 25.3



#50
Toluene-d8
Concen: 46.767 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.001 min
Lab File: VY014149.D
Acq: 13 Jun 2023 19:00

Tgt Ion: 98 Resp: 303041
Ion Ratio Lower Upper
98 100
100 62.9 50.1 75.1

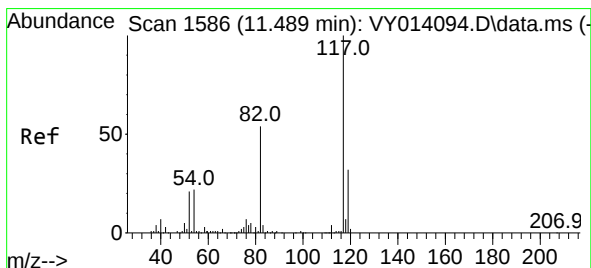
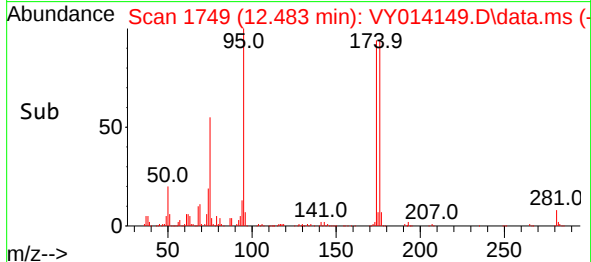
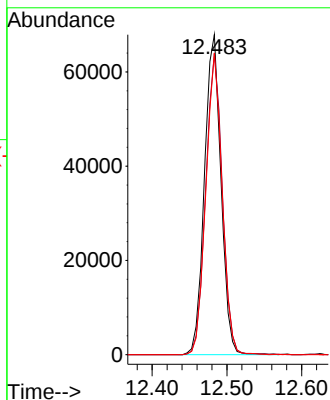
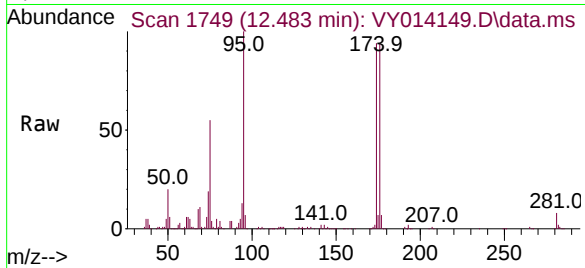




#62
4-Bromofluorobenzene
Concen: 45.176 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY014149.D
Acq: 13 Jun 2023 19:00

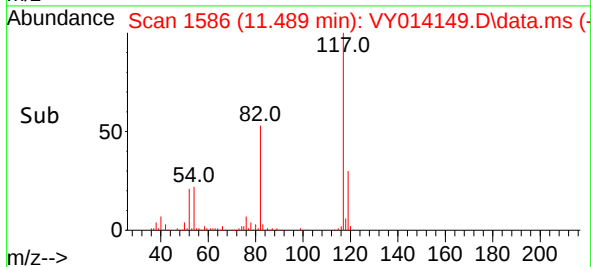
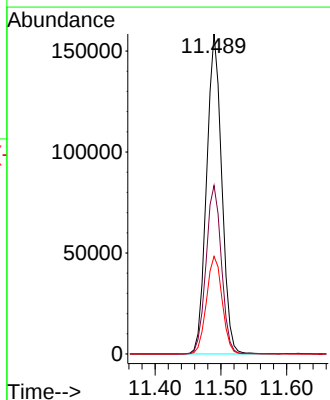
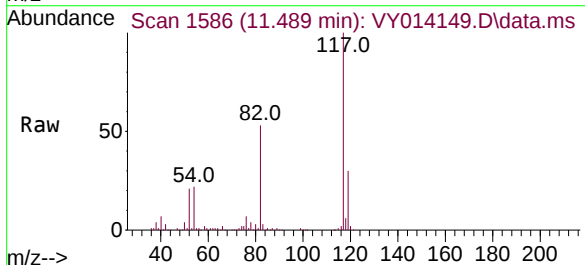
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PNNL-B-0609-2

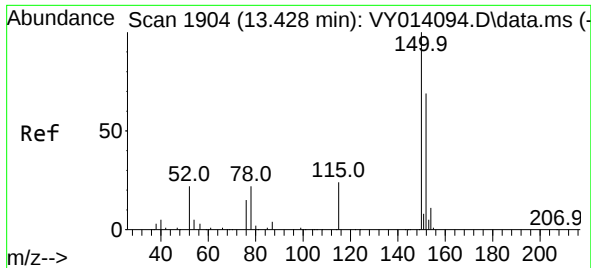
Tgt Ion: 95 Resp: 103987
Ion Ratio Lower Upper
95 100
174 94.9 0.0 178.2
176 92.9 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY014149.D
Acq: 13 Jun 2023 19:00

Tgt Ion: 117 Resp: 254221
Ion Ratio Lower Upper
117 100
82 52.7 43.4 65.0
119 30.5 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: VY014149.D

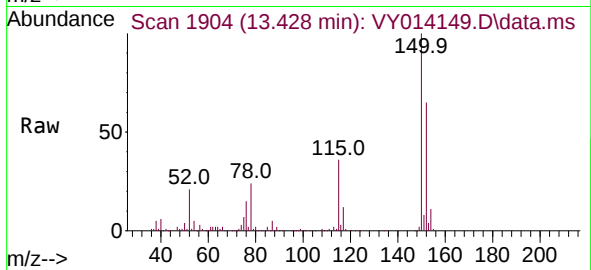
Acq: 13 Jun 2023 19:00

Instrument :

MSVOA_Y

ClientSampleId :

PNNL-B-0609-2



Tgt Ion:152 Resp: 117747

Ion Ratio Lower Upper

152 100

115 55.1 28.8 86.5

150 154.3 0.0 348.8

