

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052623\
 Data File : VD076268.D
 Acq On : 26 May 2023 20:10
 Operator : KP/SY
 Sample : 02953-04
 Misc : 5.72G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 PNNL-RH-524-2

Quant Time: May 26 23:17:32 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051523S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 16 10:08:53 2023
 Response via : Initial Calibration

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

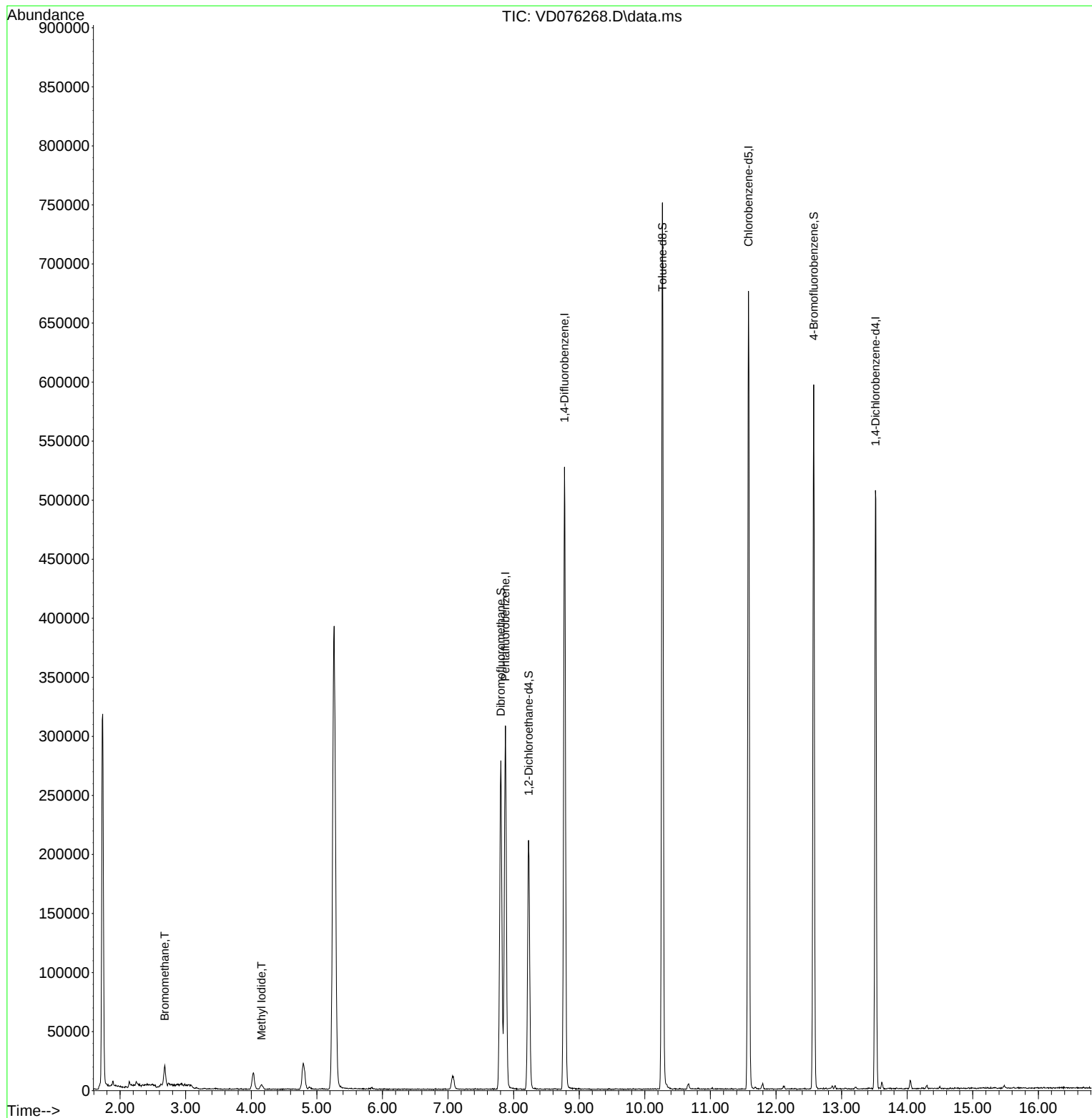
Internal Standards						
1) Pentafluorobenzene	7.875	168	247673	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	497846	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	429278	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	147867	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	160196	66.924	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	133.840%
35) Dibromofluoromethane	7.805	113	199711	58.035	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	116.080%
50) Toluene-d8	10.269	98	538894	40.172	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	80.340%
62) 4-Bromofluorobenzene	12.575	95	175476	47.090	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	94.180%
Target Compounds						
						Qvalue
5) Bromomethane	2.681	94	11664	3.596	ug/l	100
10) Methyl Iodide	4.158	142	6670	2.385	ug/l #	80

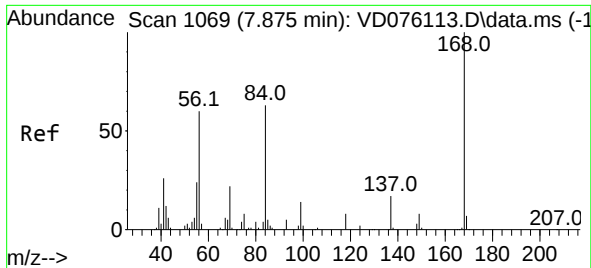
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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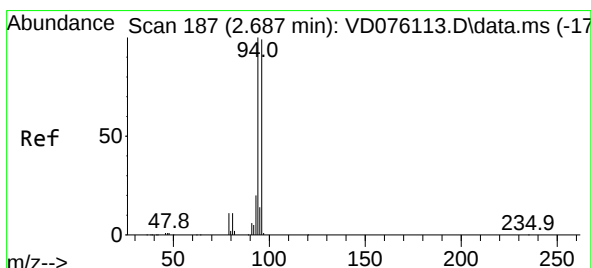
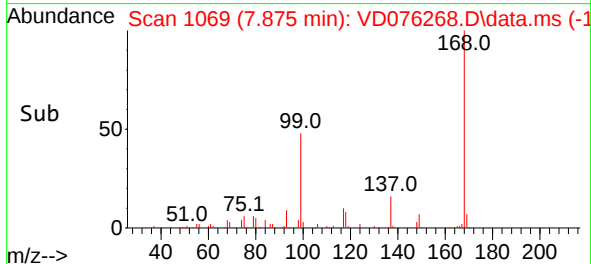
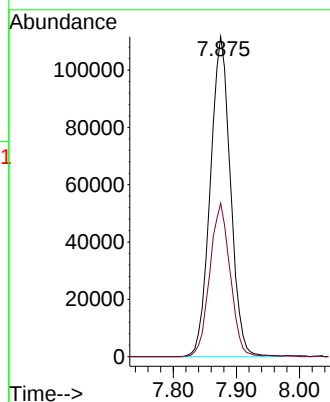
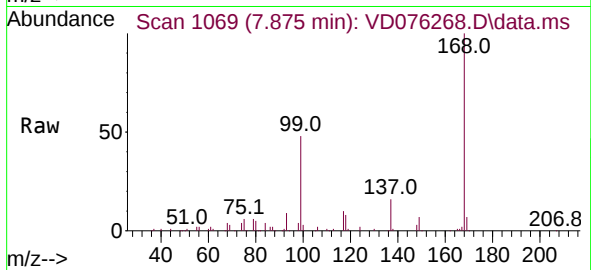




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD076268.D
Acq: 26 May 2023 20:10

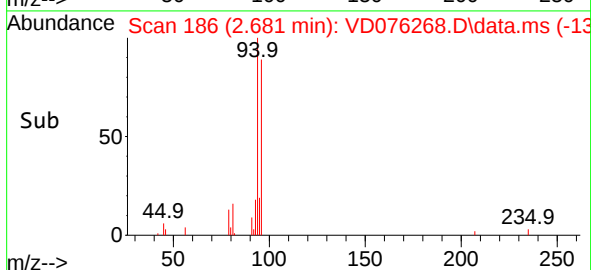
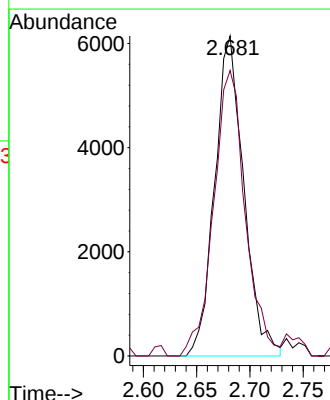
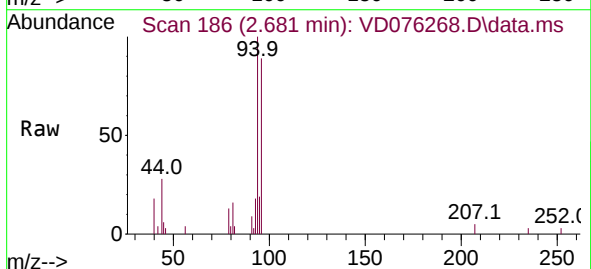
Instrument :
MSVOA_D
ClientSampleId :
PNNL-RH-524-2

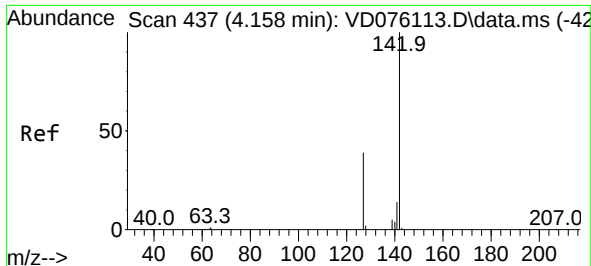
Tgt Ion:168 Resp: 247673
Ion Ratio Lower Upper
168 100
99 48.0 43.8 65.6



#5
Bromomethane
Concen: 3.596 ug/l
RT: 2.681 min Scan# 186
Delta R.T. -0.006 min
Lab File: VD076268.D
Acq: 26 May 2023 20:10

Tgt Ion: 94 Resp: 11664
Ion Ratio Lower Upper
94 100
96 96.8 77.5 116.3

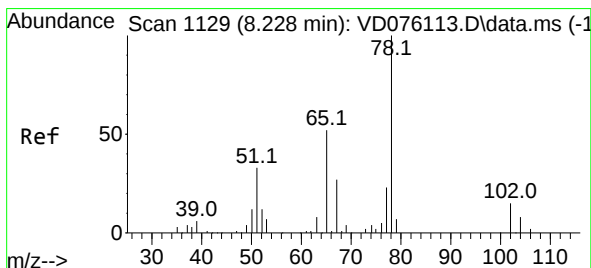
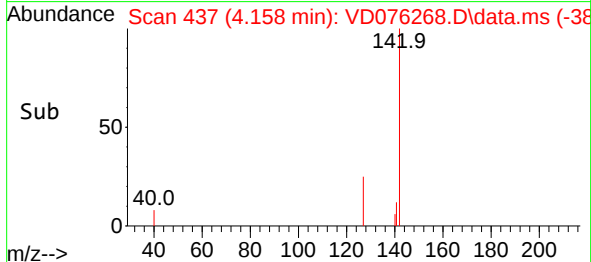
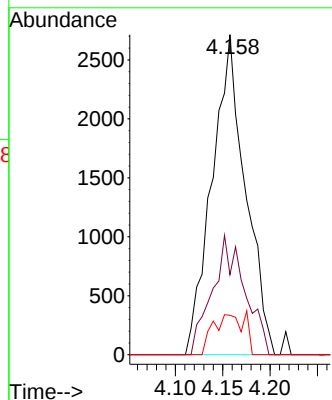
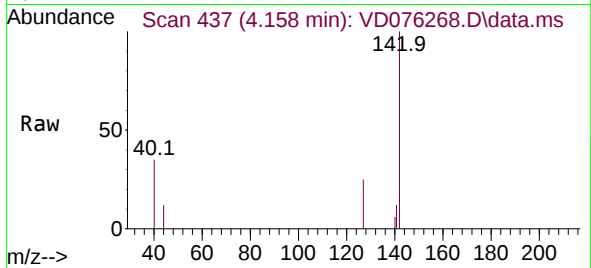




#10
Methyl Iodide
Concen: 2.385 ug/l
RT: 4.158 min Scan# 41
Delta R.T. -0.006 min
Lab File: VD076268.D
Acq: 26 May 2023 20:10

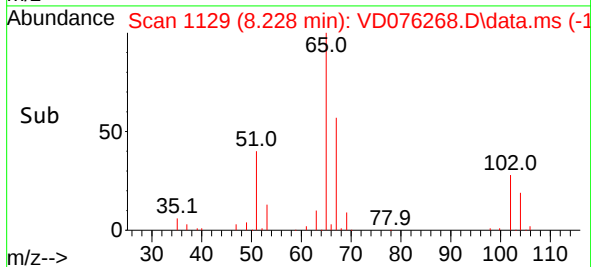
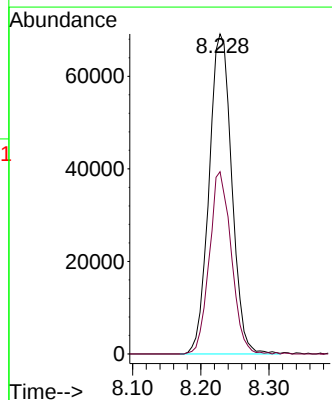
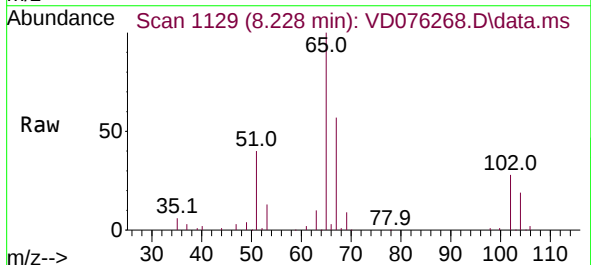
Instrument :
MSVOA_D
ClientSampleId :
PNNL-RH-524-2

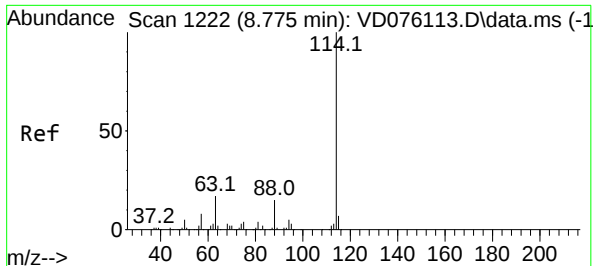
Tgt Ion:142 Resp: 6670
Ion Ratio Lower Upper
142 100
127 36.4 37.1 55.7#
141 0.0 11.3 16.9#



#33
1,2-Dichloroethane-d4
Concen: 66.924 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. -0.006 min
Lab File: VD076268.D
Acq: 26 May 2023 20:10

Tgt Ion: 65 Resp: 160196
Ion Ratio Lower Upper
65 100
67 55.0 0.0 102.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1

Delta R.T. 0.000 min

Lab File: VD076268.D

Acq: 26 May 2023 20:10

Instrument :

MSVOA_D

ClientSampleId :

PNNL-RH-524-2

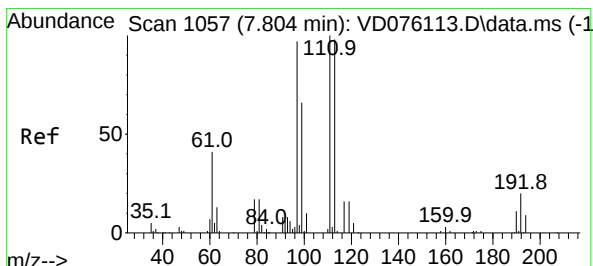
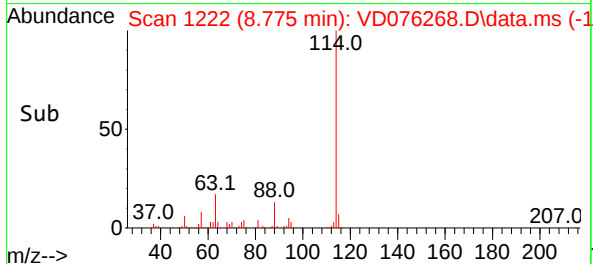
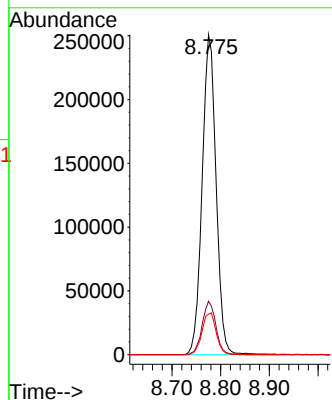
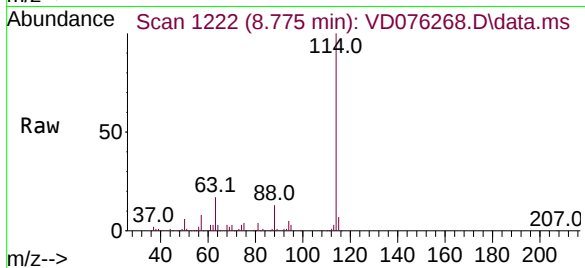
Tgt Ion:114 Resp: 497846

Ion Ratio Lower Upper

114 100

63 16.7 0.0 41.6

88 12.6 0.0 30.6



#35

Dibromofluoromethane

Concen: 58.035 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VD076268.D

Acq: 26 May 2023 20:10

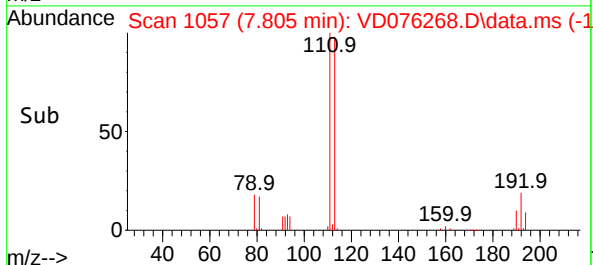
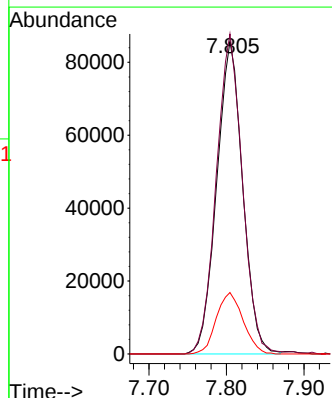
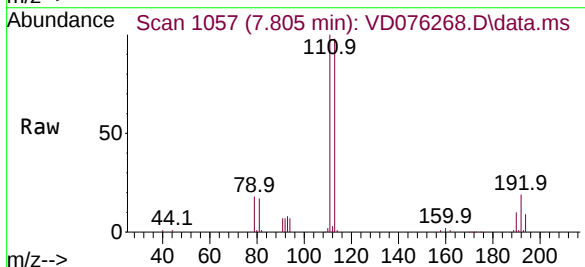
Tgt Ion:113 Resp: 199711

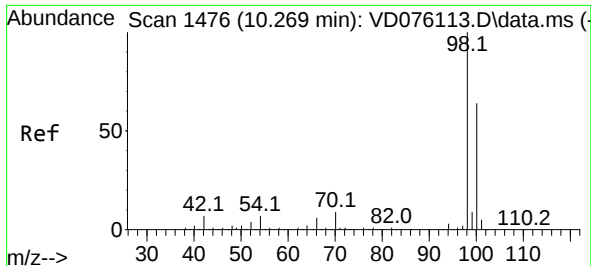
Ion Ratio Lower Upper

113 100

111 103.2 81.4 122.0

192 20.3 15.2 22.8

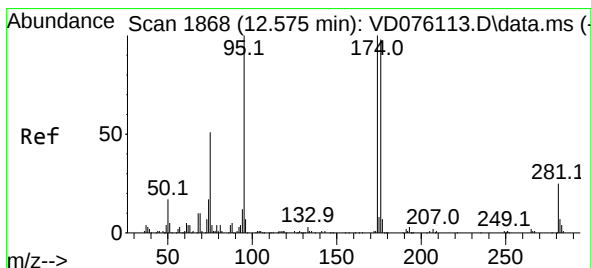
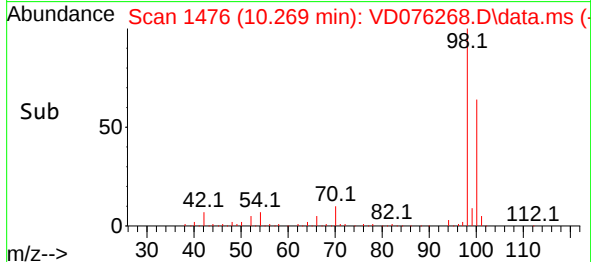
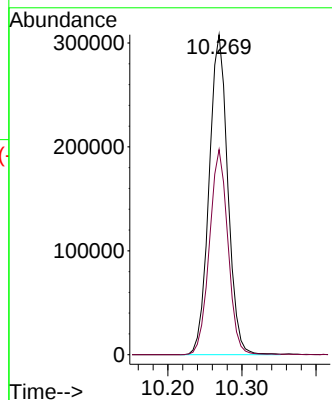
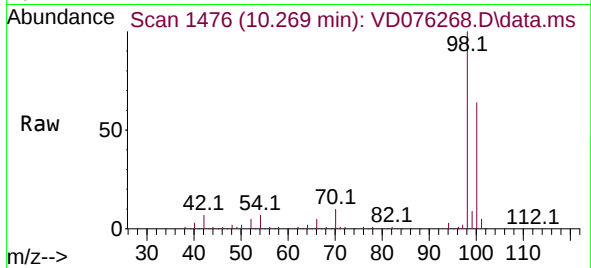




#50
Toluene-d8
Concen: 40.172 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD076268.D
Acq: 26 May 2023 20:10

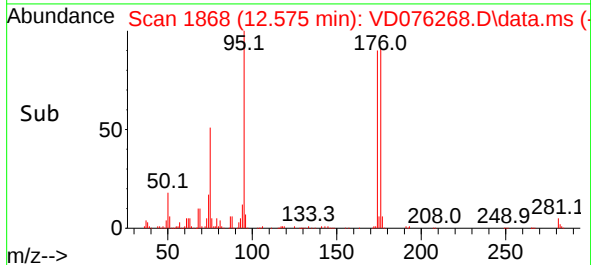
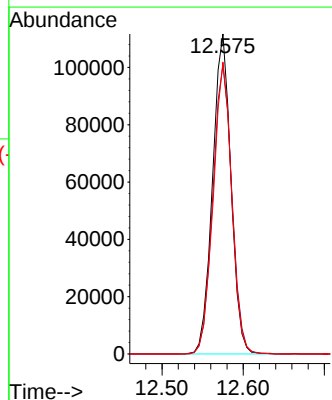
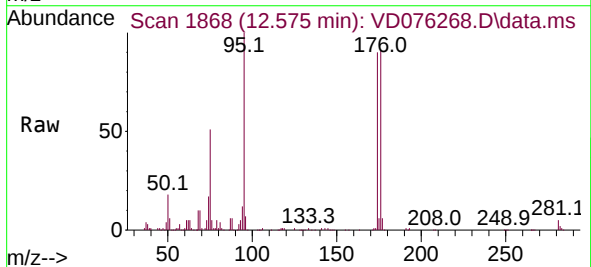
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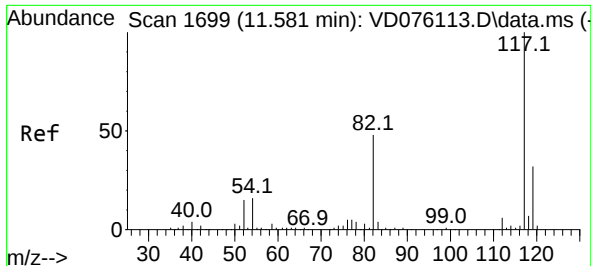
Tgt Ion: 98 Resp: 538894
Ion Ratio Lower Upper
98 100
100 63.5 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 47.090 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD076268.D
Acq: 26 May 2023 20:10

Tgt Ion: 95 Resp: 175476
Ion Ratio Lower Upper
95 100
174 93.8 0.0 164.0
176 91.5 0.0 156.8

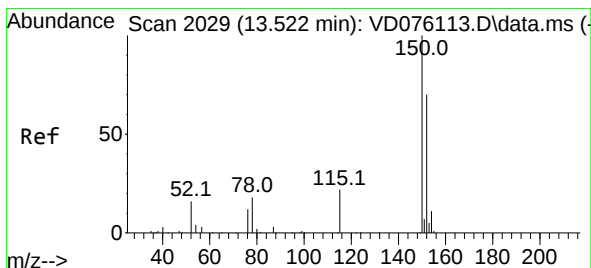
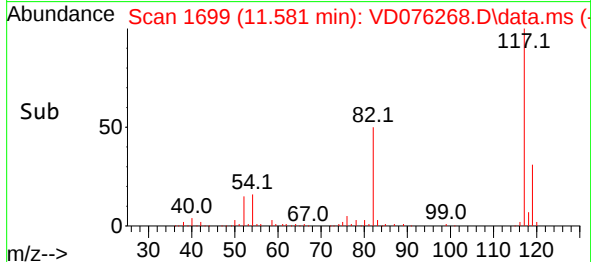
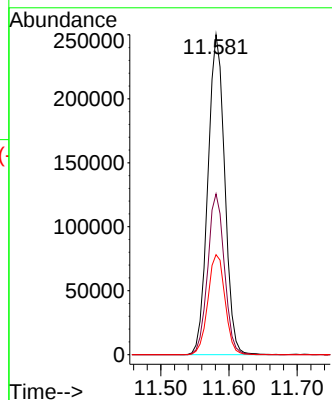
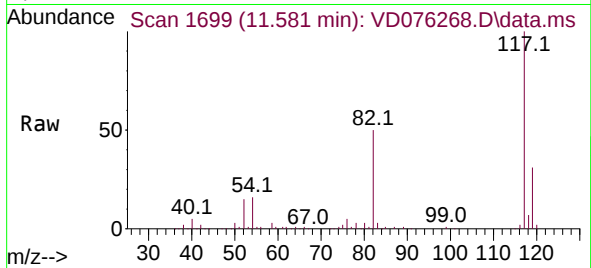




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 117
Delta R.T. -0.000 min
Lab File: VD076268.D
Acq: 26 May 2023 20:10

Instrument :
MSVOA_D
ClientSampleId :
PNNL-RH-524-2

Tgt Ion:117 Resp: 429278
Ion Ratio Lower Upper
117 100
82 50.3 44.0 66.0
119 31.2 25.1 37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. -0.006 min
Lab File: VD076268.D
Acq: 26 May 2023 20:10

Tgt Ion:152 Resp: 147867
Ion Ratio Lower Upper
152 100
115 52.0 30.1 90.3
150 158.9 0.0 364.8

