

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD071823\
 Data File : VD076776.D
 Acq On : 18 Jul 2023 14:20
 Operator : KP/SY
 Sample : 03652-21
 Misc : 4.51G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP17

Quant Time: Jul 19 08:10:46 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D071423S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 17 08:07:52 2023
 Response via : Initial Calibration

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

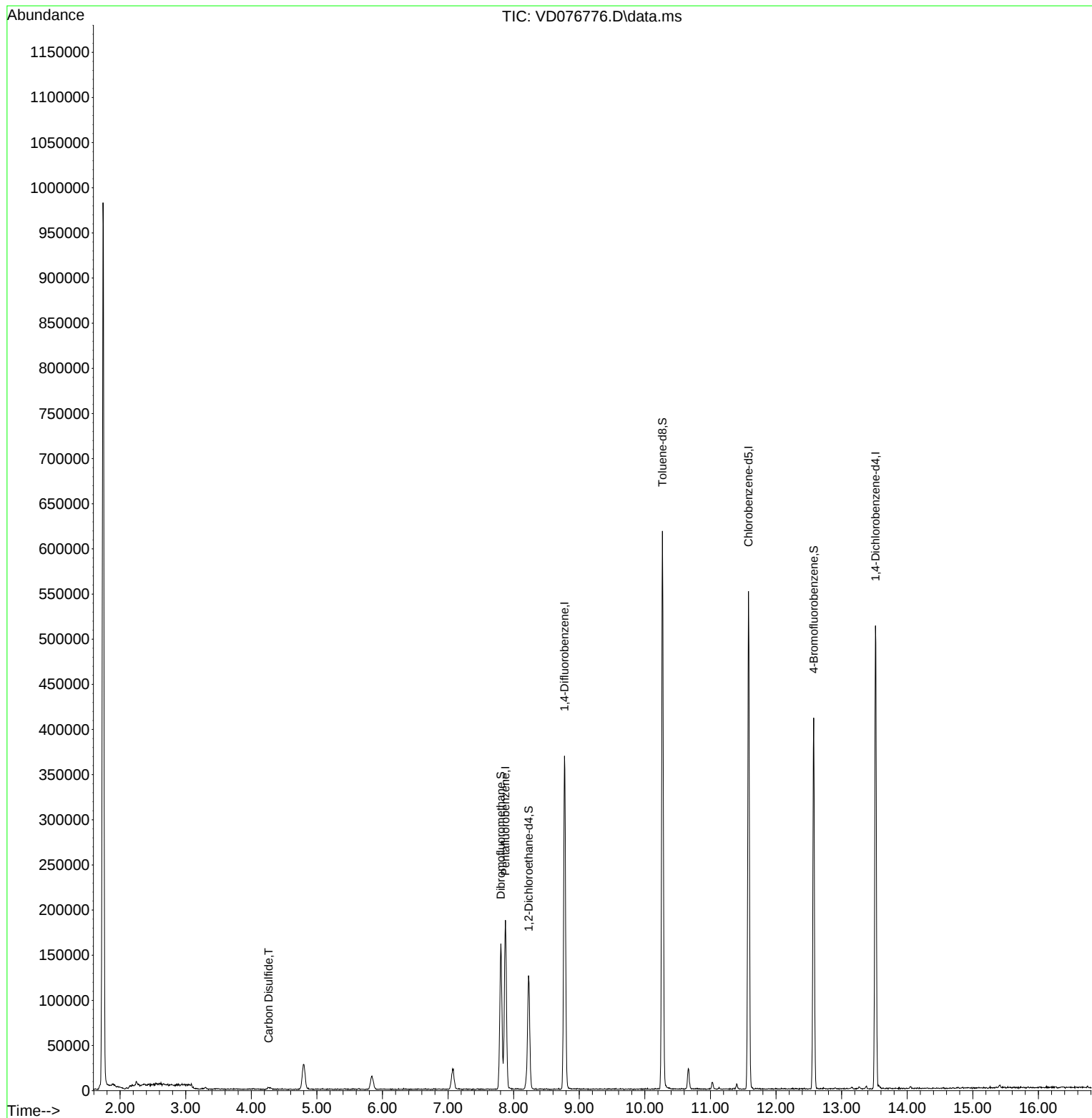
Internal Standards						
1) Pentafluorobenzene	7.875	168	140330	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	343650	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	324774	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	140866	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	93224	66.697	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	133.400%
35) Dibromofluoromethane	7.804	113	115921	53.679	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	107.360%
50) Toluene-d8	10.269	98	430992	55.789	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	111.580%
62) 4-Bromofluorobenzene	12.575	95	122201	48.896	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	97.800%
Target Compounds						
17) Carbon Disulfide	4.263	76	4126	1.274	ug/l	Qvalue # 94

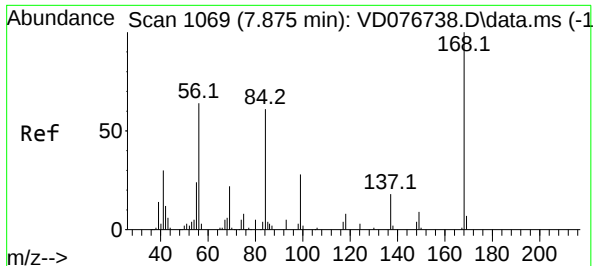
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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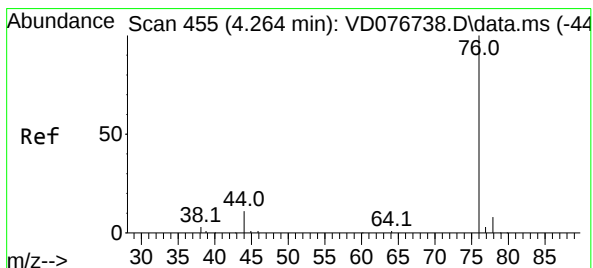
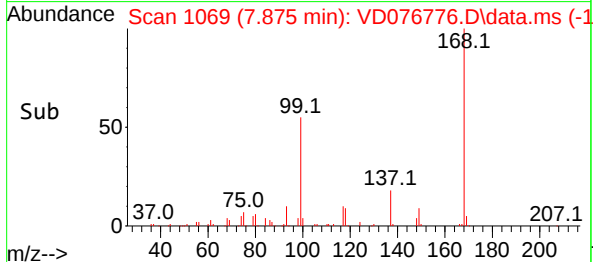
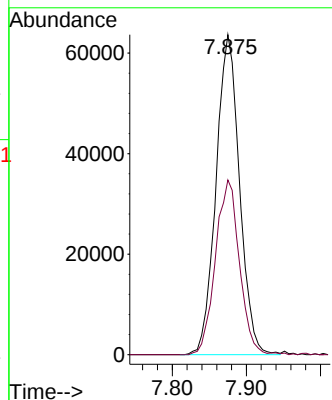
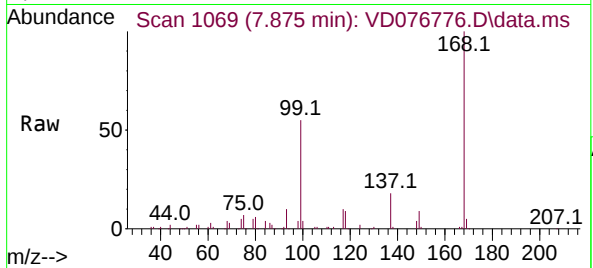




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.000 min
Lab File: VD076776.D
Acq: 18 Jul 2023 14:20

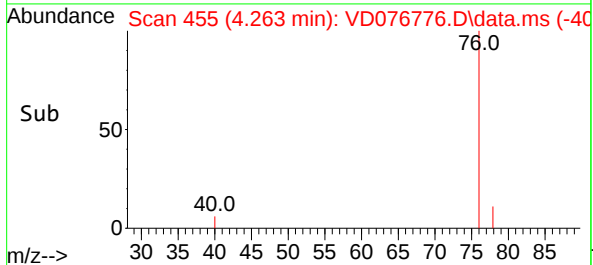
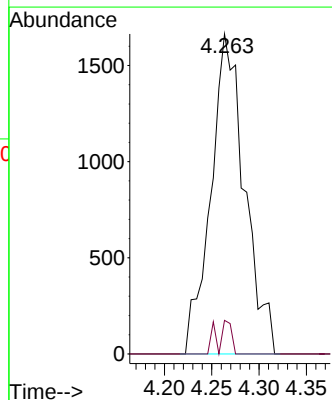
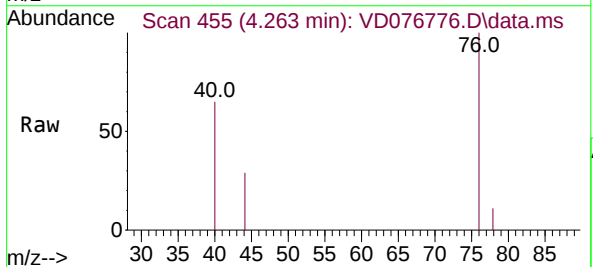
Instrument :
MSVOA_D
ClientSampleId :
TP17

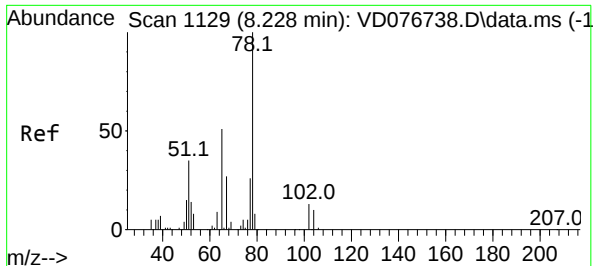
Tgt Ion:168 Resp: 140330
Ion Ratio Lower Upper
168 100
99 54.6 36.7 55.1



#17
Carbon Disulfide
Concen: 1.274 ug/l
RT: 4.263 min Scan# 455
Delta R.T. -0.001 min
Lab File: VD076776.D
Acq: 18 Jul 2023 14:20

Tgt Ion: 76 Resp: 4126
Ion Ratio Lower Upper
76 100
78 10.5 6.8 10.2#





#33

1,2-Dichloroethane-d4

Concen: 66.697 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.000 min

Lab File: VD076776.D

Acq: 18 Jul 2023 14:20

Instrument :

MSVOA_D

ClientSampleId :

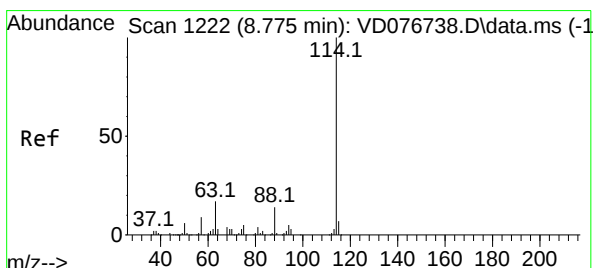
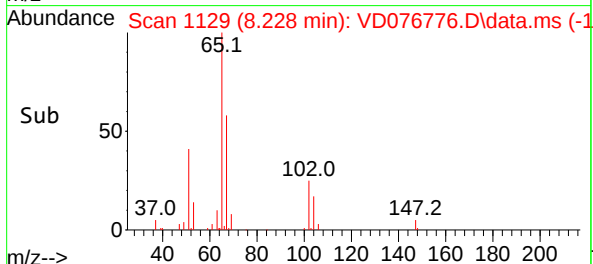
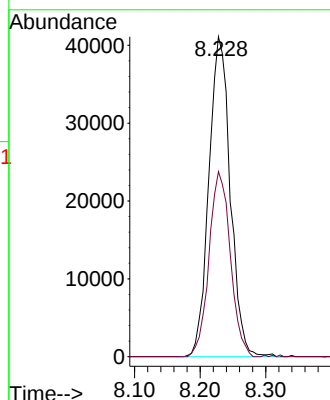
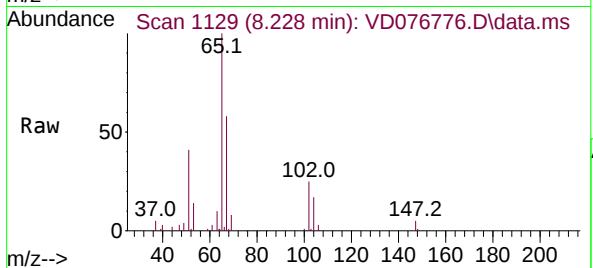
TP17

Tgt Ion: 65 Resp: 93224

Ion Ratio Lower Upper

65 100

67 57.5 0.0 115.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. -0.000 min

Lab File: VD076776.D

Acq: 18 Jul 2023 14:20

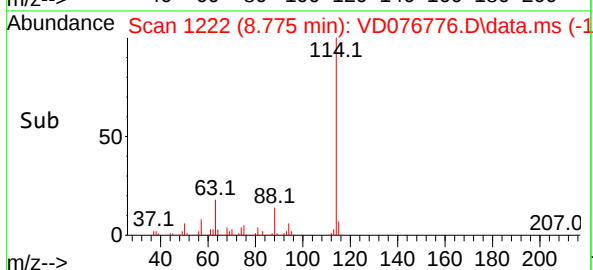
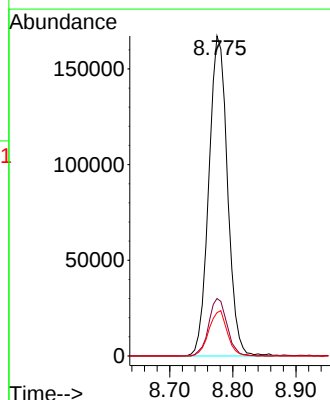
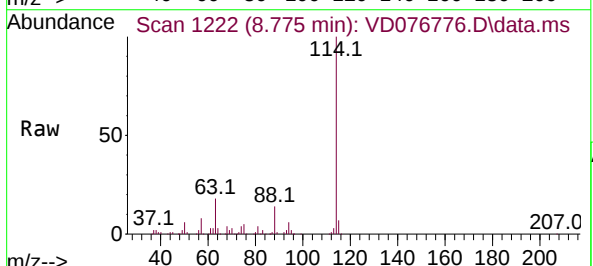
Tgt Ion: 114 Resp: 343650

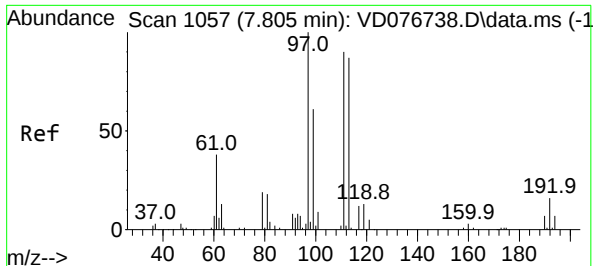
Ion Ratio Lower Upper

114 100

63 17.9 0.0 33.4

88 13.6 0.0 26.2





#35

Dibromofluoromethane

Concen: 53.679 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. -0.001 min

Lab File: VD076776.D

Acq: 18 Jul 2023 14:20

Instrument :

MSVOA_D

ClientSampleId :

TP17

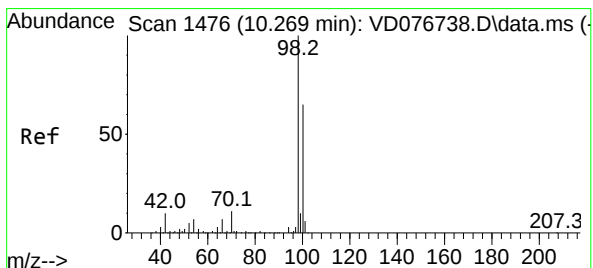
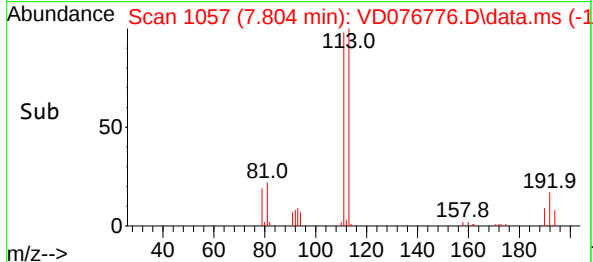
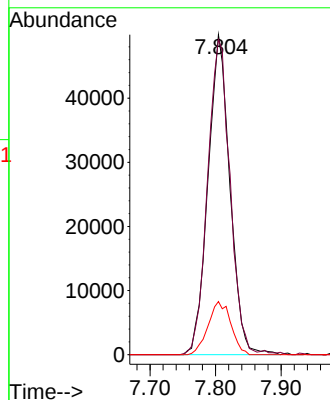
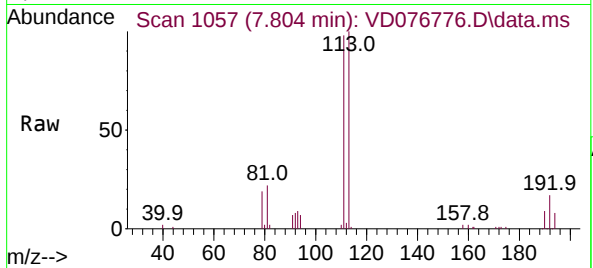
Tgt Ion:113 Resp: 115921

Ion Ratio Lower Upper

113 100

111 101.3 84.7 127.1

192 17.2 16.8 25.2



#50

Toluene-d8

Concen: 55.789 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. -0.000 min

Lab File: VD076776.D

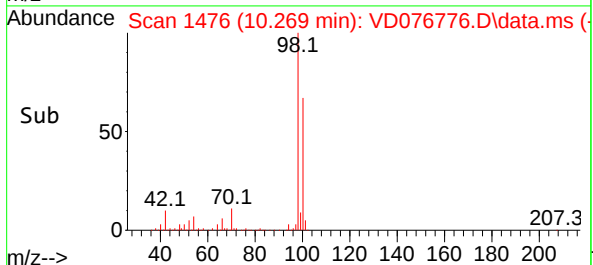
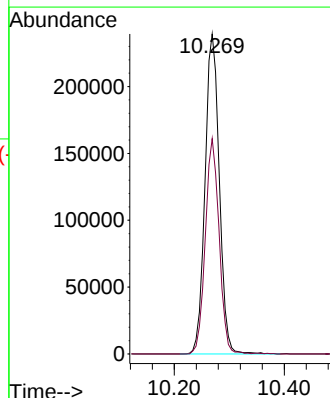
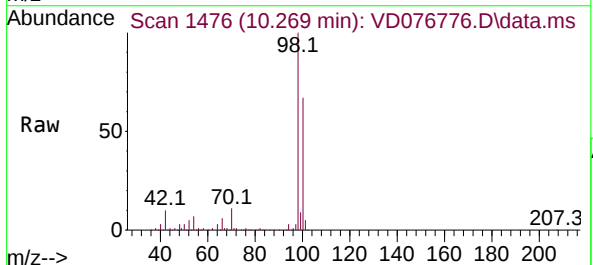
Acq: 18 Jul 2023 14:20

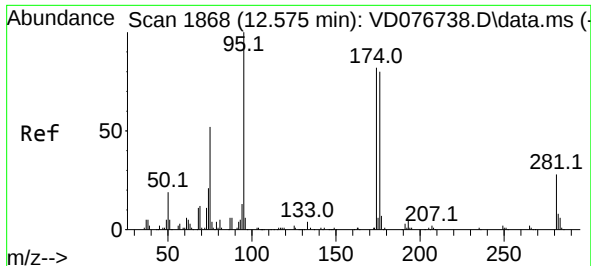
Tgt Ion: 98 Resp: 430992

Ion Ratio Lower Upper

98 100

100 65.1 50.3 75.5

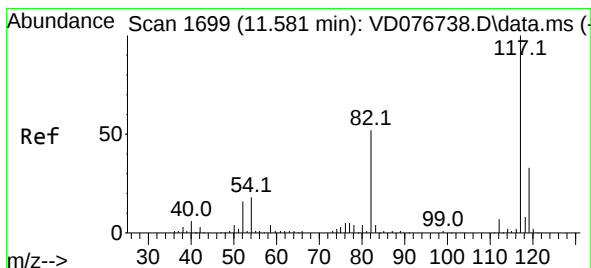
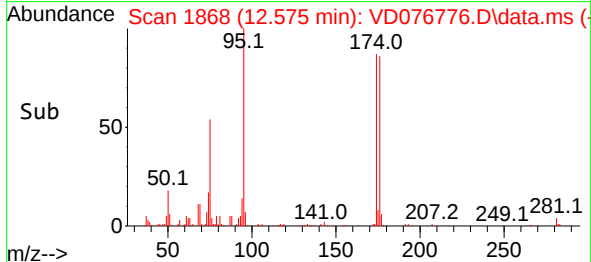
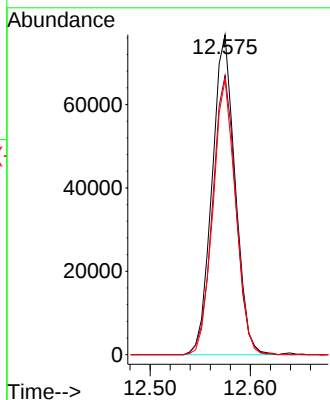
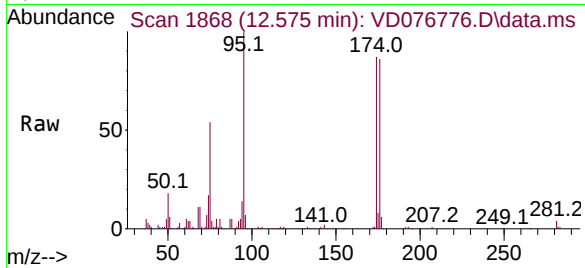




#62
4-Bromofluorobenzene
Concen: 48.896 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD076776.D
Acq: 18 Jul 2023 14:20

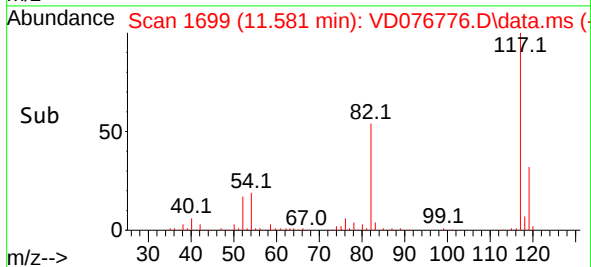
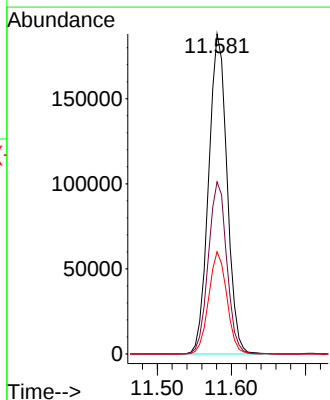
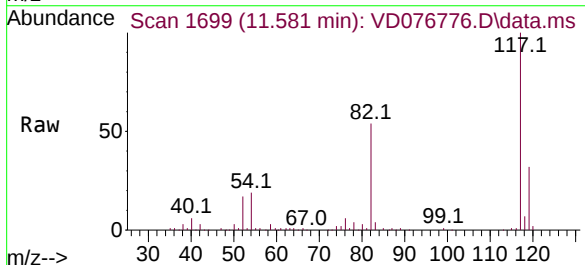
Instrument :
MSVOA_D
ClientSampleId :
TP17

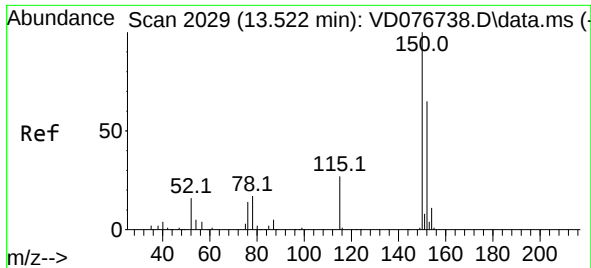
Tgt Ion: 95 Resp: 122201
Ion Ratio Lower Upper
95 100
174 87.6 0.0 201.8
176 84.5 0.0 191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD076776.D
Acq: 18 Jul 2023 14:20

Tgt Ion: 117 Resp: 324774
Ion Ratio Lower Upper
117 100
82 53.8 38.3 57.5
119 32.0 25.0 37.4





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.516 min Scan# 20
 Delta R.T. -0.006 min
 Lab File: VD076776.D
 Acq: 18 Jul 2023 14:20

Instrument :
 MSVOA_D
 ClientSampleId :
 TP17

Tgt Ion:152 Resp: 140866
 Ion Ratio Lower Upper
 152 100
 115 58.1 27.1 81.3
 150 155.9 0.0 353.6

