

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD072823\
 Data File : VD076859.D
 Acq On : 28 Jul 2023 17:20
 Operator : KP/SY
 Sample : 03810-06
 Misc : 5.03G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 B-P7B

Quant Time: Jul 28 23:06:14 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)

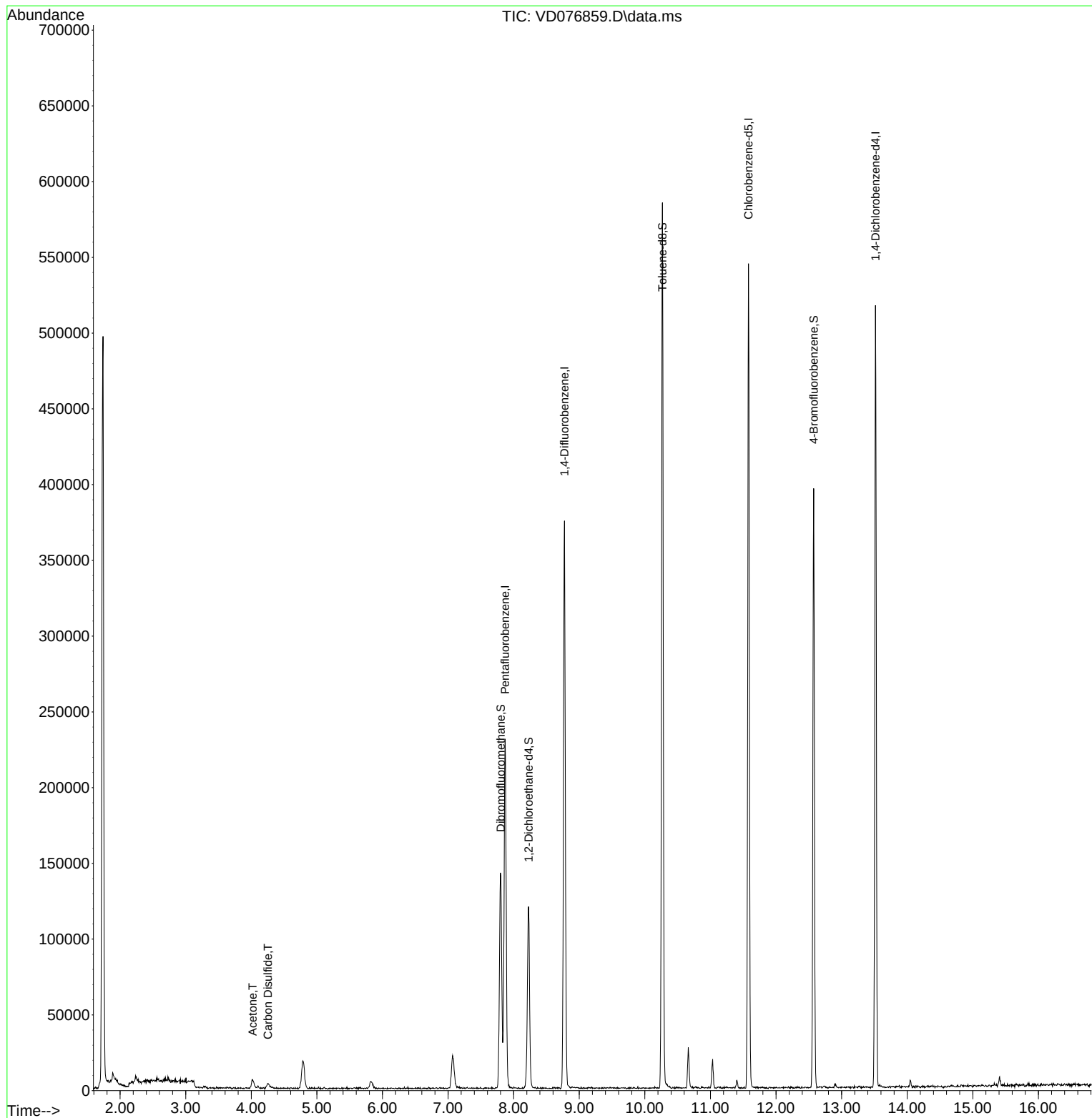
Internal Standards						
1) Pentafluorobenzene	7.869	168	172931	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.775	114	334955	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	315453	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	132818	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	91010	52.838	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 105.680%	
35) Dibromofluoromethane	7.805	113	106784	50.732	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 101.460%	
50) Toluene-d8	10.269	98	407978	54.181	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 108.360%	
62) 4-Bromofluorobenzene	12.575	95	114283	46.915	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 93.840%	
Target Compounds						
						Qvalue
16) Acetone	4.022	43	9477	23.038	ug/l	92
17) Carbon Disulfide	4.252	76	6139	1.538	ug/l	# 83

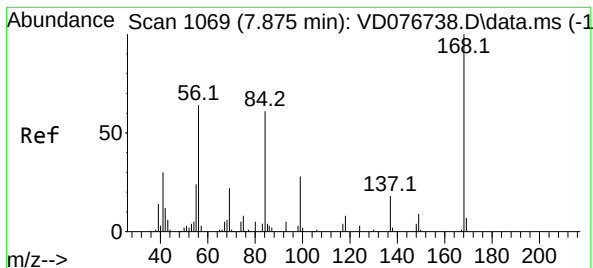
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.869 min Scan# 1

Delta R.T. -0.006 min

Lab File: VD076859.D

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Instrument :

MSVOA_D

ClientSampleId :

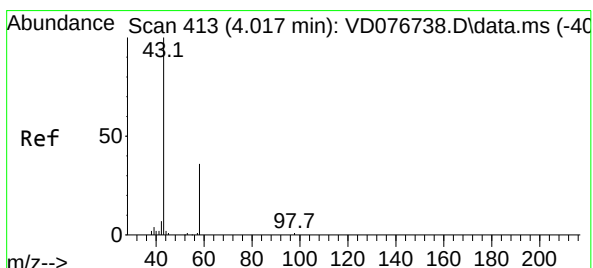
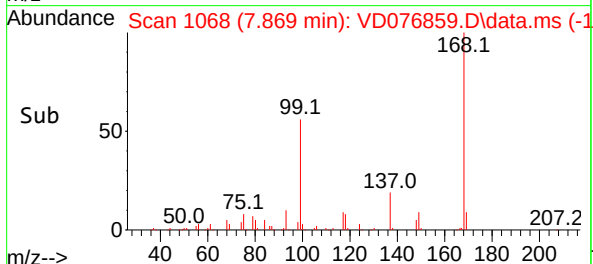
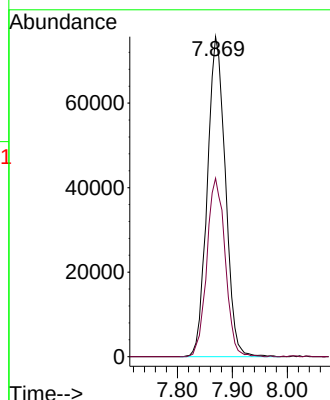
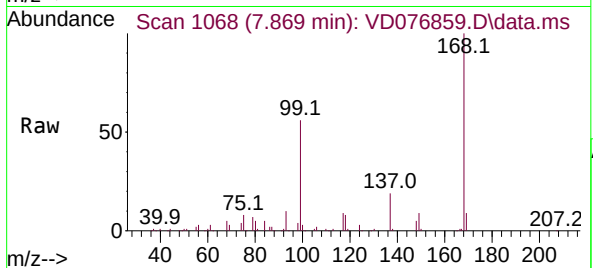
B-P7B

Tgt Ion:168 Resp: 172931

Ion Ratio Lower Upper

168 100

99 55.8 36.7 55.1#



#16

Acetone

Concen: 23.038 ug/l

RT: 4.022 min Scan# 414

Delta R.T. 0.005 min

Lab File: VD076859.D

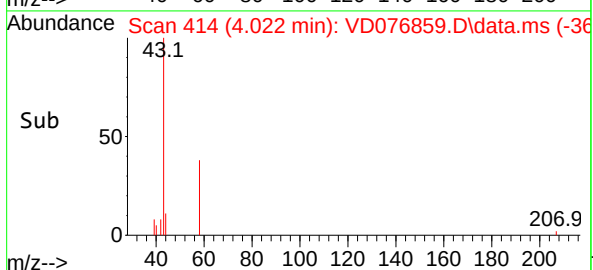
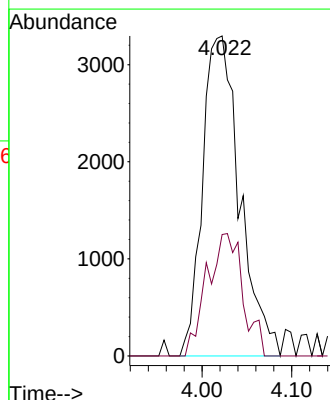
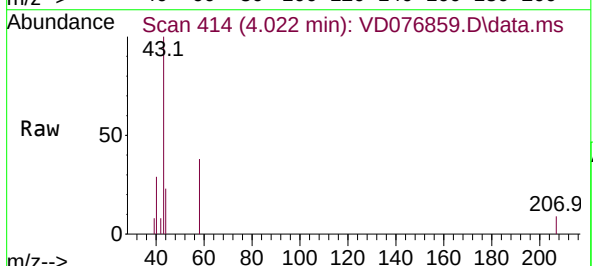
Acq: 28 Jul 2023 17:20

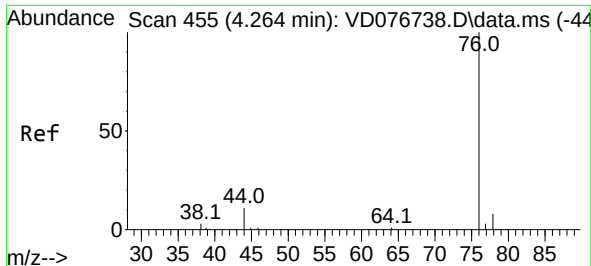
Tgt Ion: 43 Resp: 9477

Ion Ratio Lower Upper

43 100

58 38.0 34.7 52.1

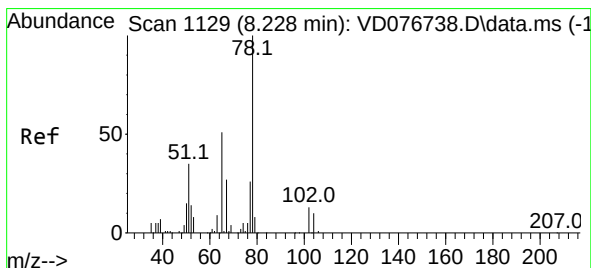
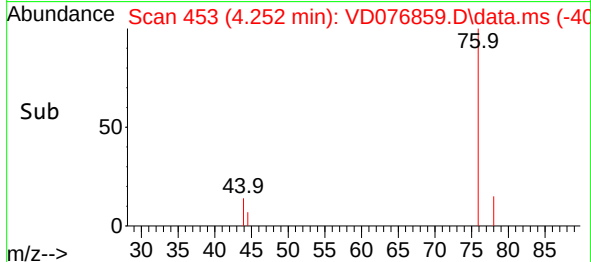
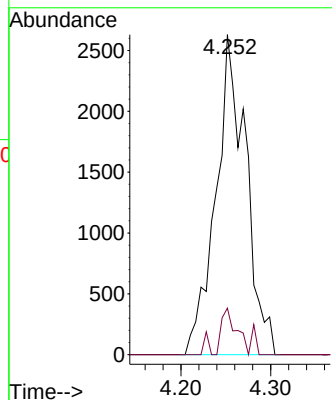
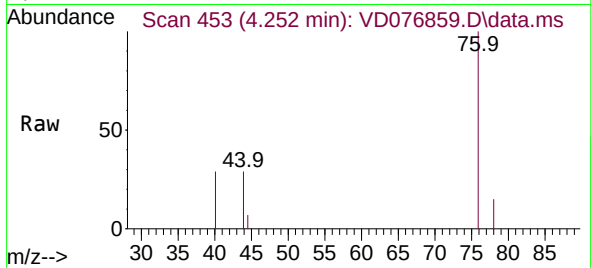




#17
Carbon Disulfide
Concen: 1.538 ug/l
RT: 4.252 min Scan# 41
Delta R.T. -0.012 min
Lab File: VD076859.D
Acq: 28 Jul 2023 17:20

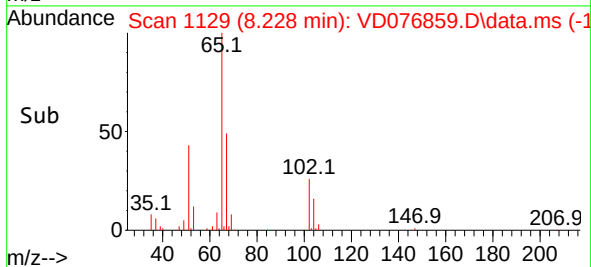
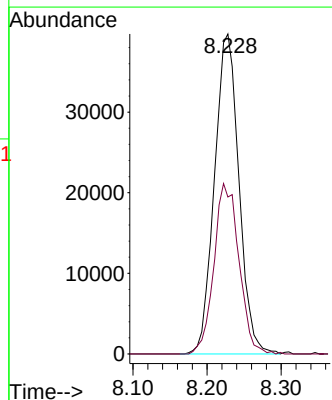
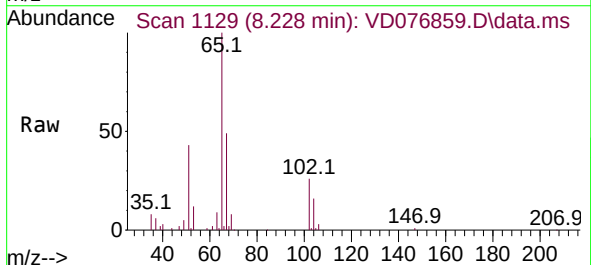
Instrument :
MSVOA_D
ClientSampleId :
B-P7B

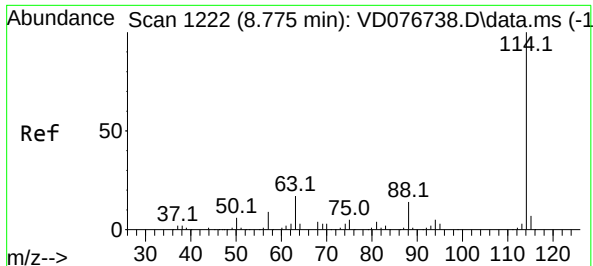
Tgt Ion: 76 Resp: 6139
Ion Ratio Lower Upper
76 100
78 14.6 6.8 10.2#



#33
1,2-Dichloroethane-d4
Concen: 52.838 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. -0.000 min
Lab File: VD076859.D
Acq: 28 Jul 2023 17:20

Tgt Ion: 65 Resp: 91010
Ion Ratio Lower Upper
65 100
67 54.4 0.0 115.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 11

Delta R.T. -0.000 min

Lab File: VD076859.D

Acq: 28 Jul 2023 17:20

Instrument :

MSVOA_D

ClientSampleId :

B-P7B

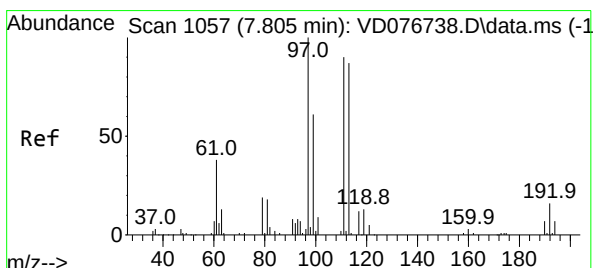
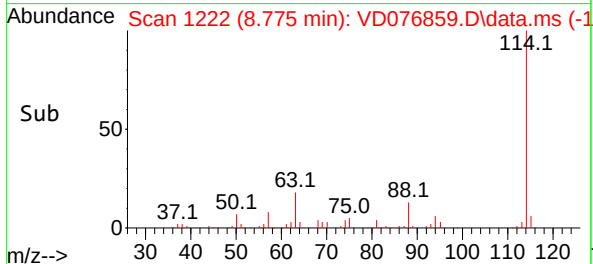
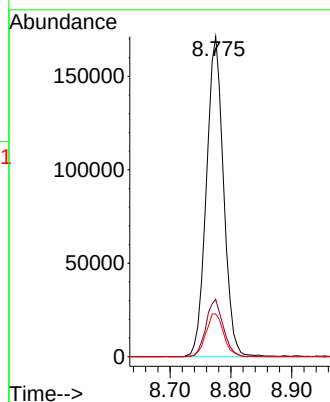
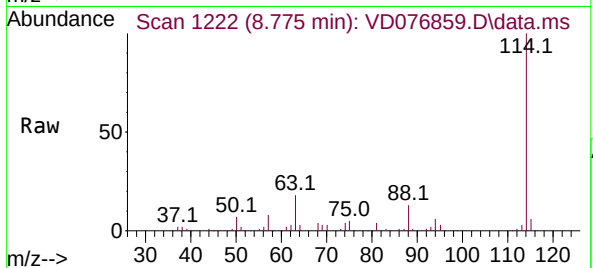
Tgt Ion:114 Resp: 334955

Ion Ratio Lower Upper

114 100

63 17.9 0.0 33.4

88 13.3 0.0 26.2



#35

Dibromofluoromethane

Concen: 50.732 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VD076859.D

Acq: 28 Jul 2023 17:20

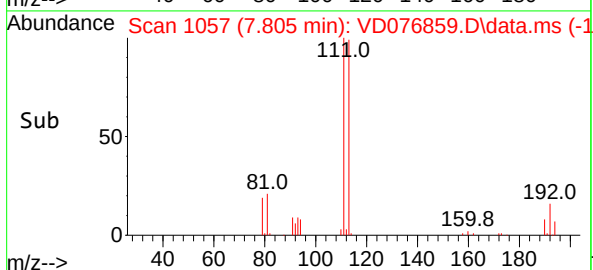
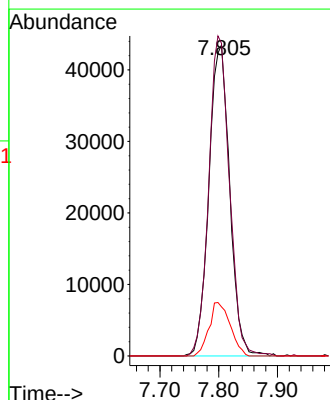
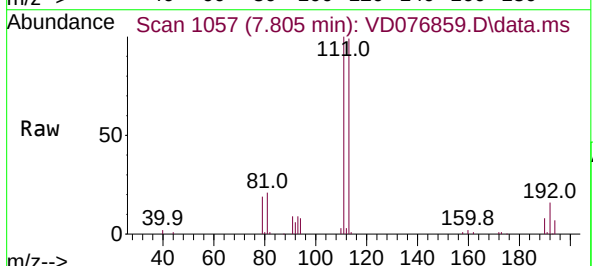
Tgt Ion:113 Resp: 106784

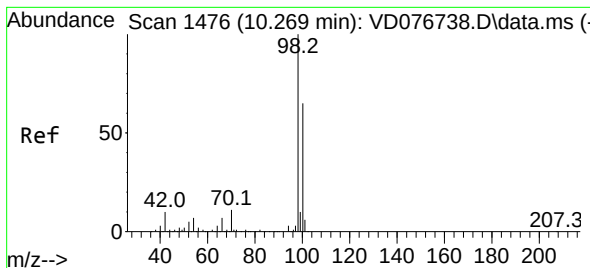
Ion Ratio Lower Upper

113 100

111 102.4 84.7 127.1

192 17.5 16.8 25.2





#50

Toluene-d8

Concen: 54.181 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD076859.D

Acq: 28 Jul 2023 17:20

Instrument :

MSVOA_D

ClientSampleId :

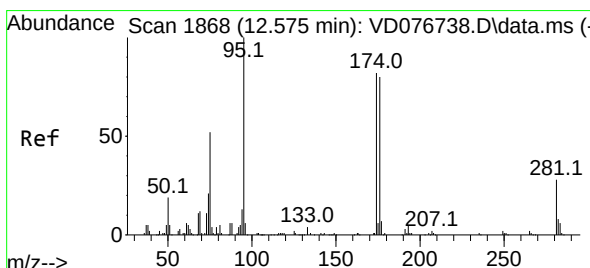
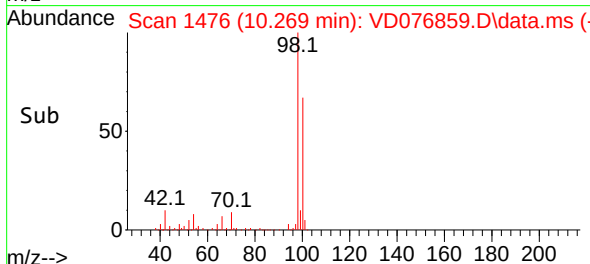
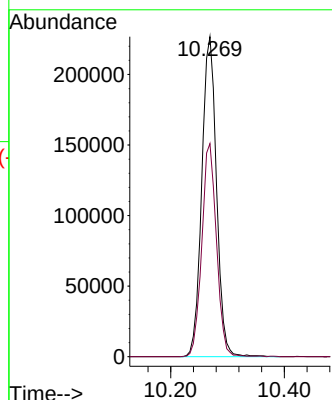
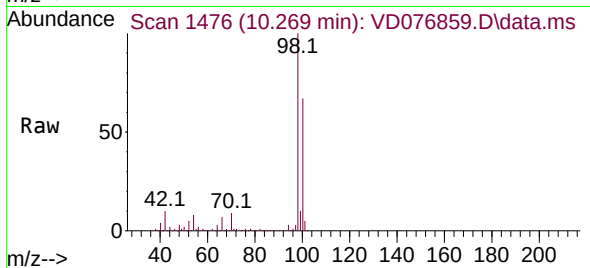
B-P7B

Tgt Ion: 98 Resp: 407978

Ion Ratio Lower Upper

98 100

100 66.1 50.3 75.5



#62

4-Bromofluorobenzene

Concen: 46.915 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. -0.000 min

Lab File: VD076859.D

Acq: 28 Jul 2023 17:20

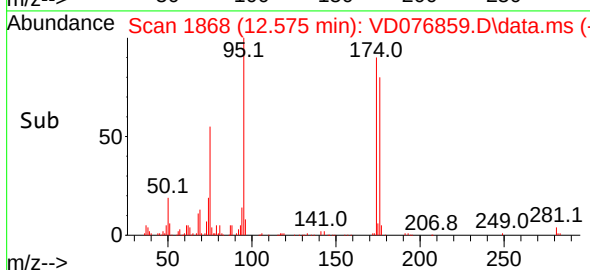
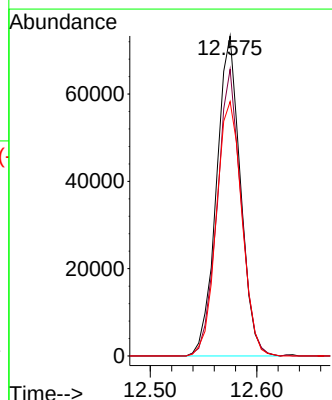
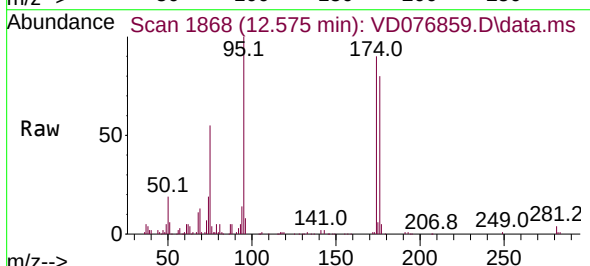
Tgt Ion: 95 Resp: 114283

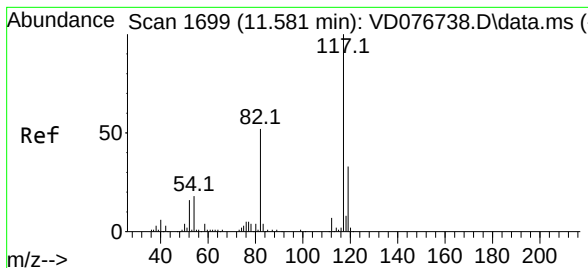
Ion Ratio Lower Upper

95 100

174 89.1 0.0 201.8

176 84.8 0.0 191.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.581 min Scan# 1

Delta R.T. -0.000 min

Lab File: VD076859.D

Acq: 28 Jul 2023 17:20

Instrument :

MSVOA_D

ClientSampleId :

B-P7B

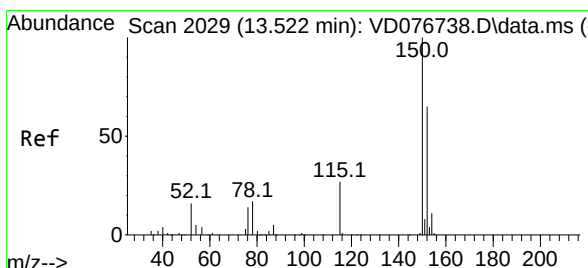
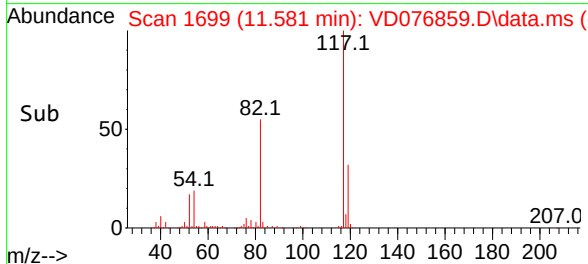
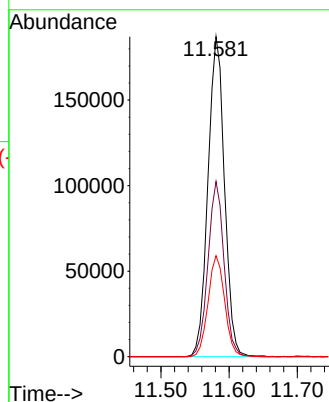
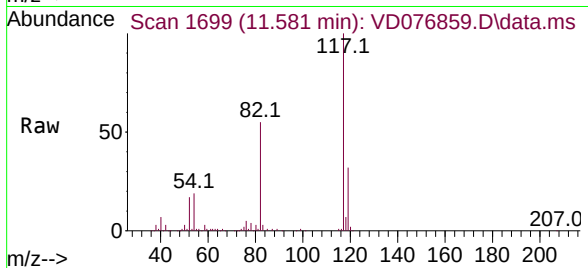
Tgt Ion:117 Resp: 315453

Ion Ratio Lower Upper

117 100

82 54.8 38.3 57.5

119 31.6 25.0 37.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.516 min Scan# 2028

Delta R.T. -0.006 min

Lab File: VD076859.D

Acq: 28 Jul 2023 17:20

Tgt Ion:152 Resp: 132818

Ion Ratio Lower Upper

152 100

115 59.5 27.1 81.3

150 160.0 0.0 353.6

