

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD071723\
 Data File : VD076755.D
 Acq On : 17 Jul 2023 15:29
 Operator : KP/SY
 Sample : 03645-05
 Misc : 4.29G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-09-(2.0-4.0)

Quant Time: Jul 18 01:23:38 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)

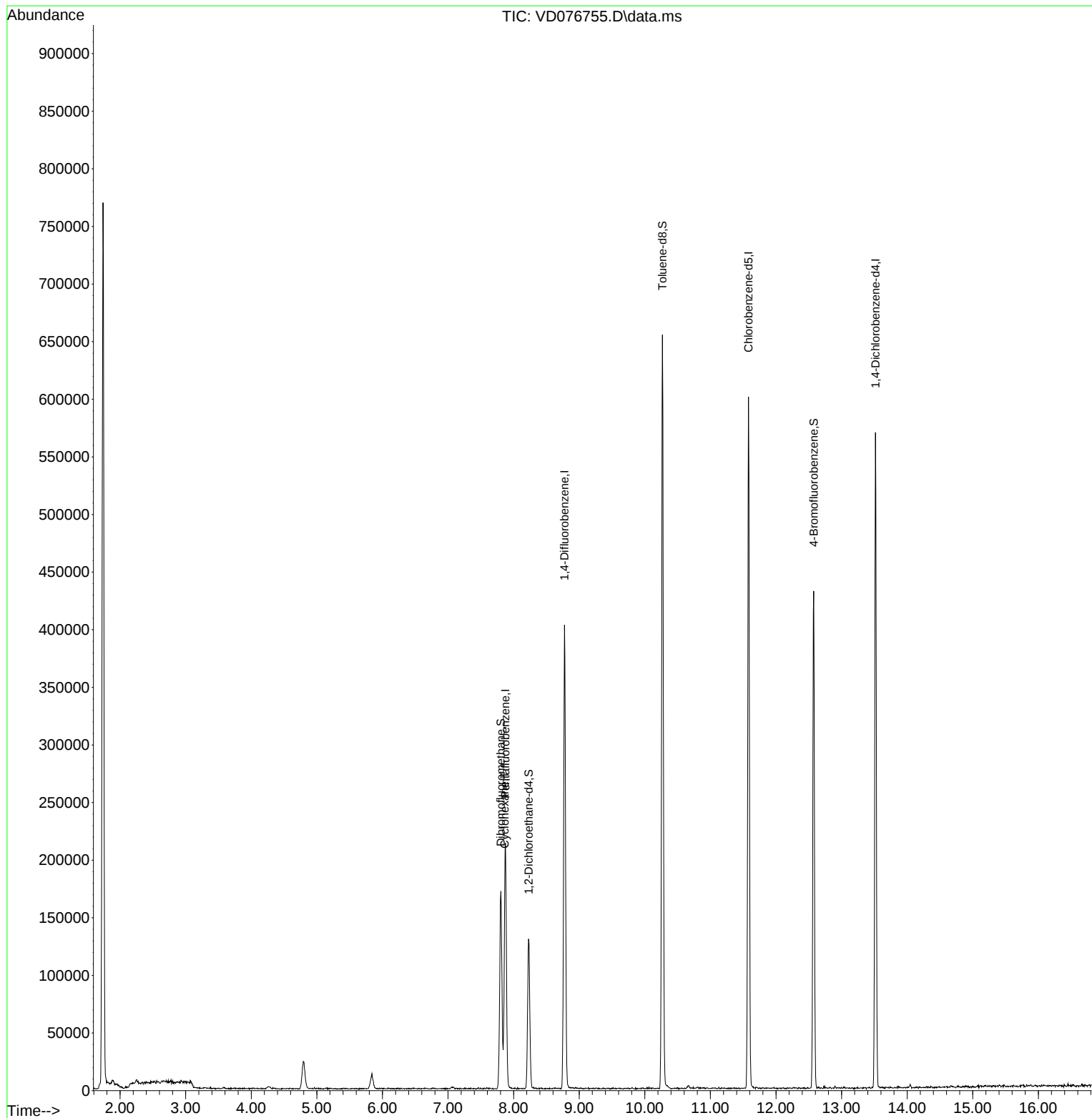
Internal Standards						
1) Pentafluorobenzene	7.875	168	163319	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	370057	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	357989	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	152519	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	103720	63.761	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 127.520%	
35) Dibromofluoromethane	7.805	113	124112	53.371	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 106.740%	
50) Toluene-d8	10.269	98	460958	55.410	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 110.820%	
62) 4-Bromofluorobenzene	12.575	95	137641	51.144	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 102.280%	
Target Compounds						
						Qvalue
31) Cyclohexane	7.863	56	3686	1.540	ug/l #	78

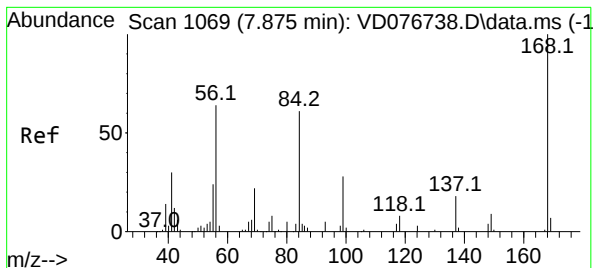
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.875 min Scan# 1067

Delta R.T. 0.000 min

Lab File: VD076755.D

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MSVOA_D

ClientSampleId :

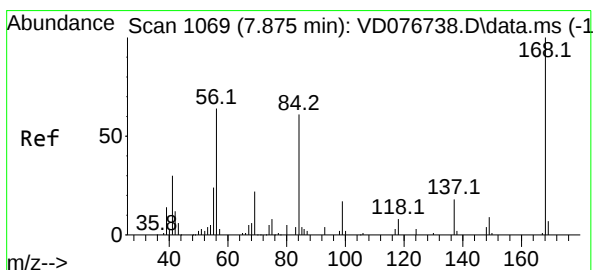
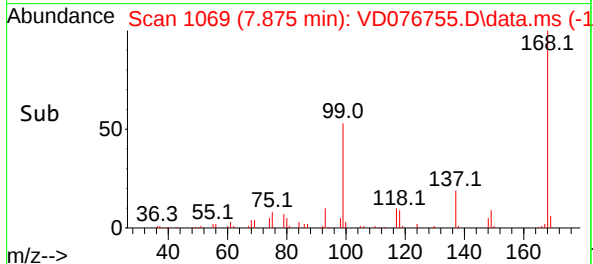
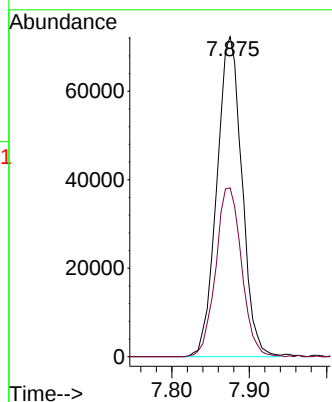
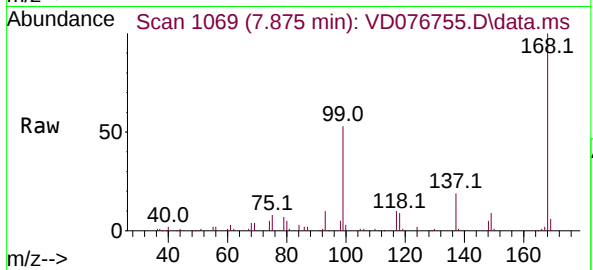
SB-09-(2.0-4.0)

Tgt Ion:168 Resp: 163319

Ion Ratio Lower Upper

168 100

99 52.7 36.7 55.1



#31

Cyclohexane

Concen: 1.540 ug/l

RT: 7.863 min Scan# 1067

Delta R.T. -0.012 min

Lab File: VD076755.D

Acq: 17 Jul 2023 15:29

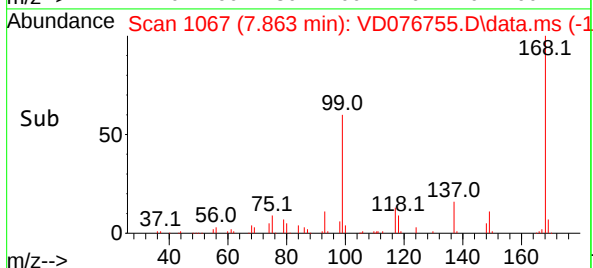
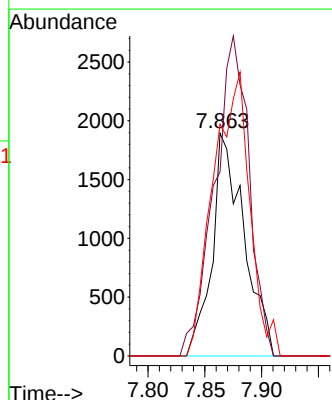
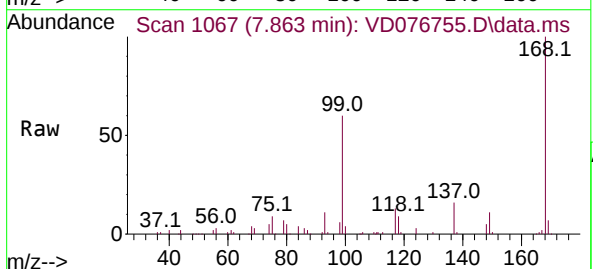
Tgt Ion: 56 Resp: 3686

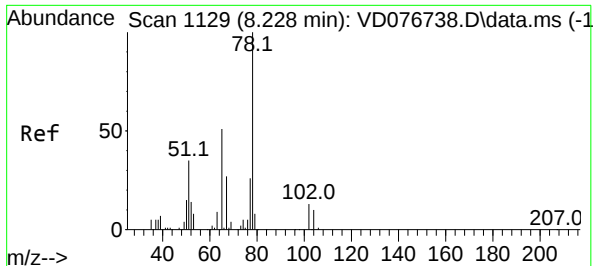
Ion Ratio Lower Upper

56 100

69 82.7 28.6 43.0#

84 104.0 84.8 127.2





#33

1,2-Dichloroethane-d4

Concen: 63.761 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.000 min

Lab File: VD076755.D

Acq: 17 Jul 2023 15:29

Instrument :

MSVOA_D

ClientSampleId :

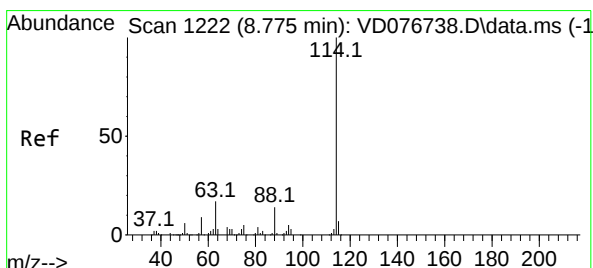
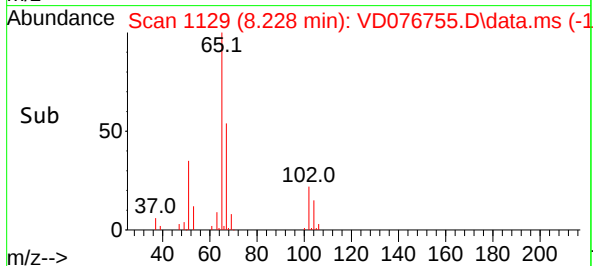
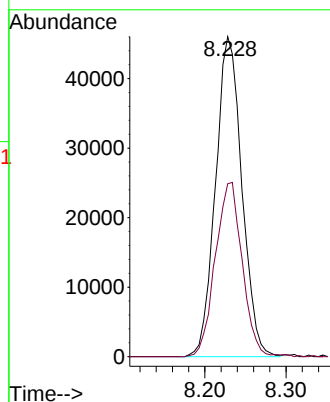
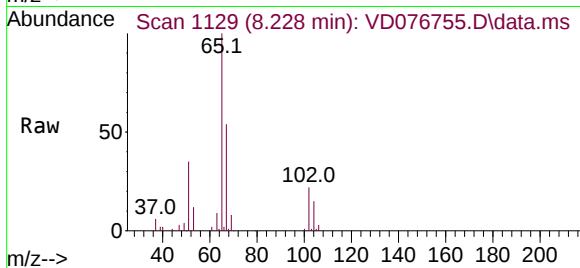
SB-09-(2.0-4.0)

Tgt Ion: 65 Resp: 103720

Ion Ratio Lower Upper

65 100

67 55.8 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: VD076755.D

Acq: 17 Jul 2023 15:29

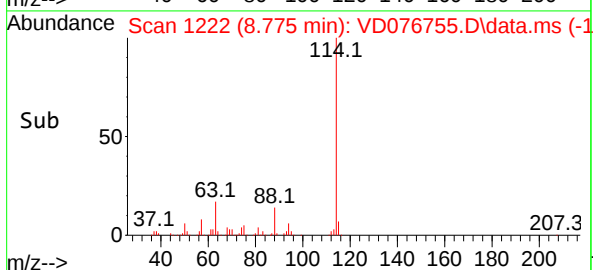
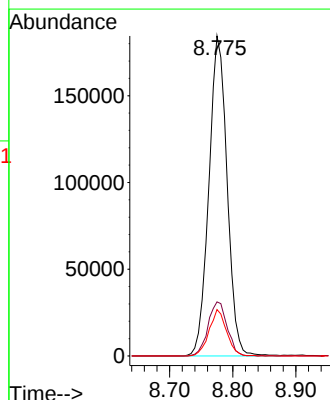
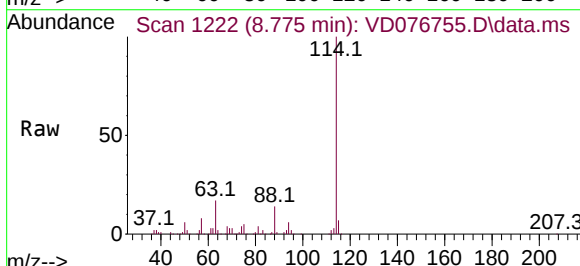
Tgt Ion: 114 Resp: 370057

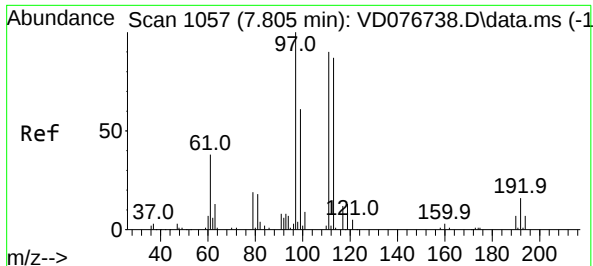
Ion Ratio Lower Upper

114 100

63 16.9 0.0 33.4

88 14.5 0.0 26.2





#35

Dibromofluoromethane

Concen: 53.371 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VD076755.D

Acq: 17 Jul 2023 15:29

Instrument :

MSVOA_D

ClientSampleId :

SB-09-(2.0-4.0)

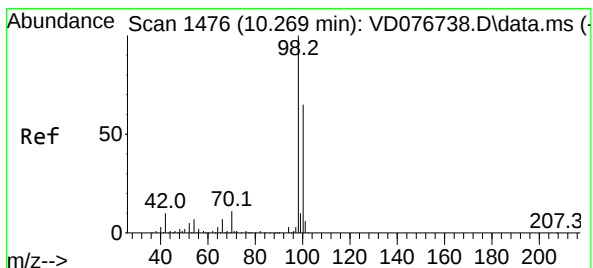
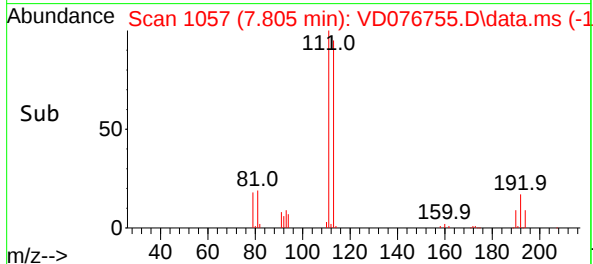
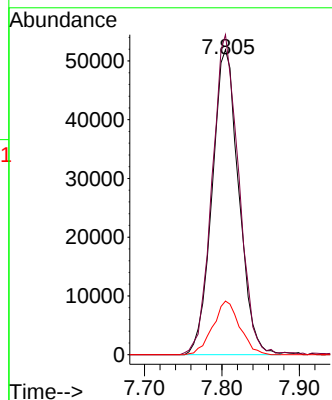
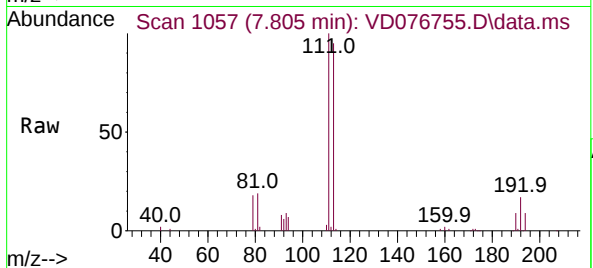
Tgt Ion:113 Resp: 124112

Ion Ratio Lower Upper

113 100

111 104.7 84.7 127.1

192 17.8 16.8 25.2



#50

Toluene-d8

Concen: 55.410 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD076755.D

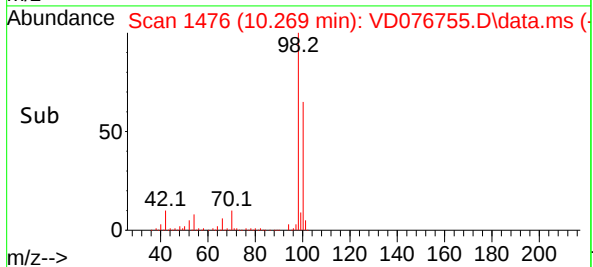
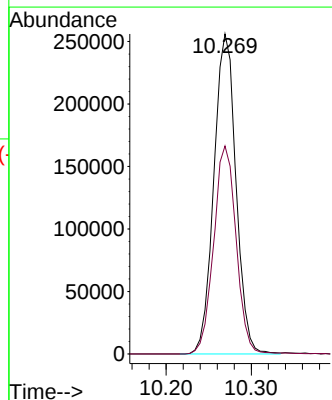
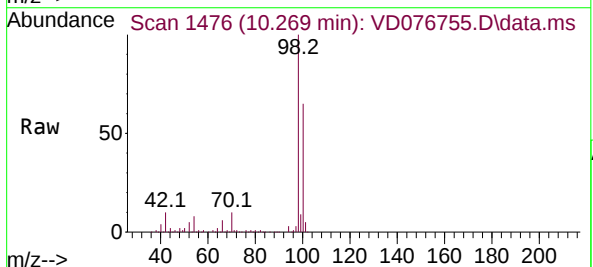
Acq: 17 Jul 2023 15:29

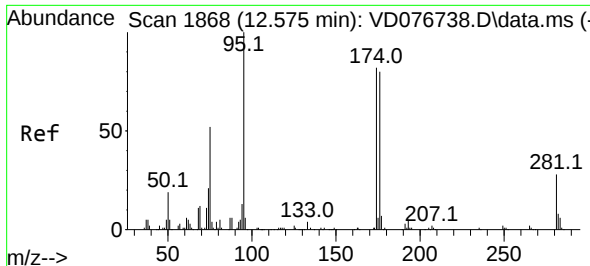
Tgt Ion: 98 Resp: 460958

Ion Ratio Lower Upper

98 100

100 66.2 50.3 75.5

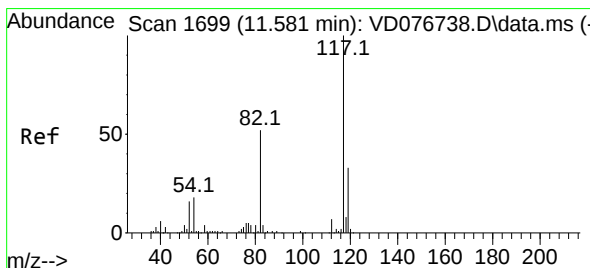
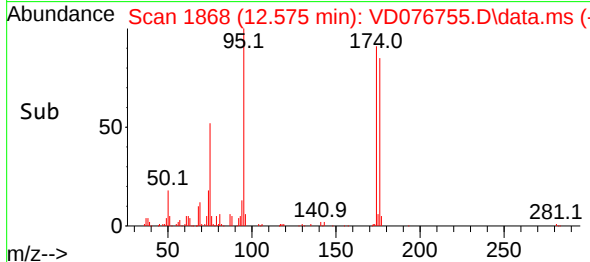
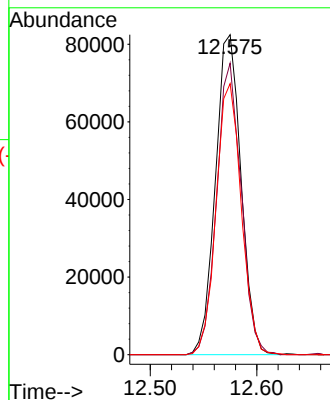
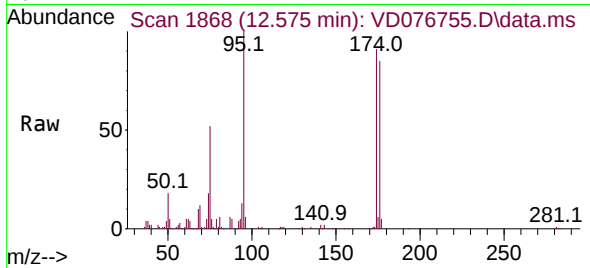




#62
4-Bromofluorobenzene
Concen: 51.144 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD076755.D
Acq: 17 Jul 2023 15:29

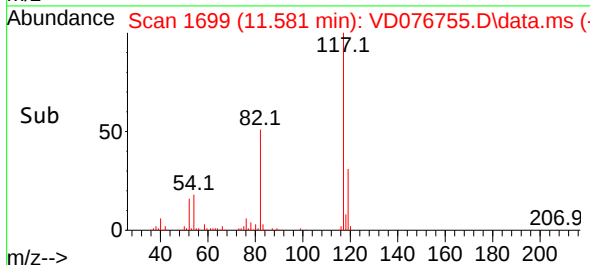
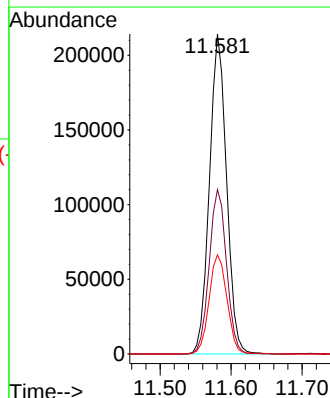
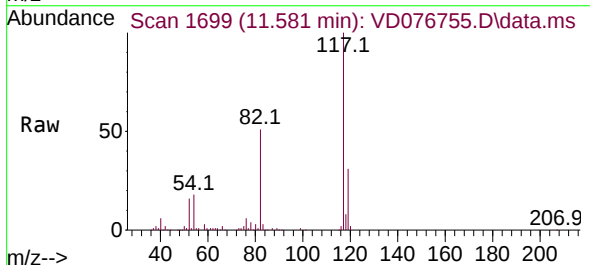
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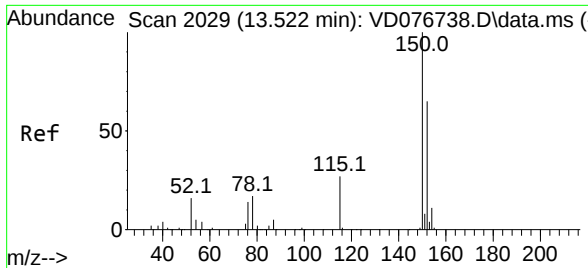
Tgt Ion: 95 Resp: 137641
Ion Ratio Lower Upper
95 100
174 87.0 0.0 201.8
176 83.5 0.0 191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD076755.D
Acq: 17 Jul 2023 15:29

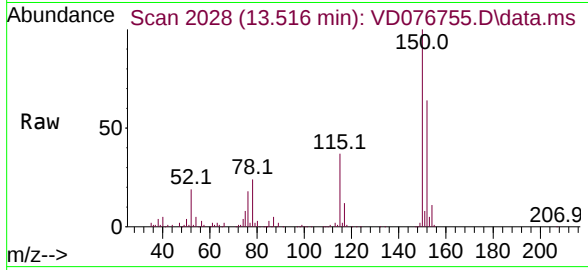
Tgt Ion: 117 Resp: 357989
Ion Ratio Lower Upper
117 100
82 51.4 38.3 57.5
119 31.0 25.0 37.4





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.516 min Scan# 20
 Delta R.T. -0.006 min
 Lab File: VD076755.D
 Acq: 17 Jul 2023 15:29

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-09-(2.0-4.0)



Tgt Ion:	152	Resp:	152519
Ion	Ratio	Lower	Upper
152	100		
115	56.8	27.1	81.3
150	156.2	0.0	353.6

