

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD042423\
 Data File : VD075793.D
 Acq On : 24 Apr 2023 13:59
 Operator : KP/SY
 Sample : 02416-05
 Misc : 4.74G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 4-GRAB

Quant Time: Apr 25 06:09:07 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D041323S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 13 14:16:29 2023
 Response via : Initial Calibration

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

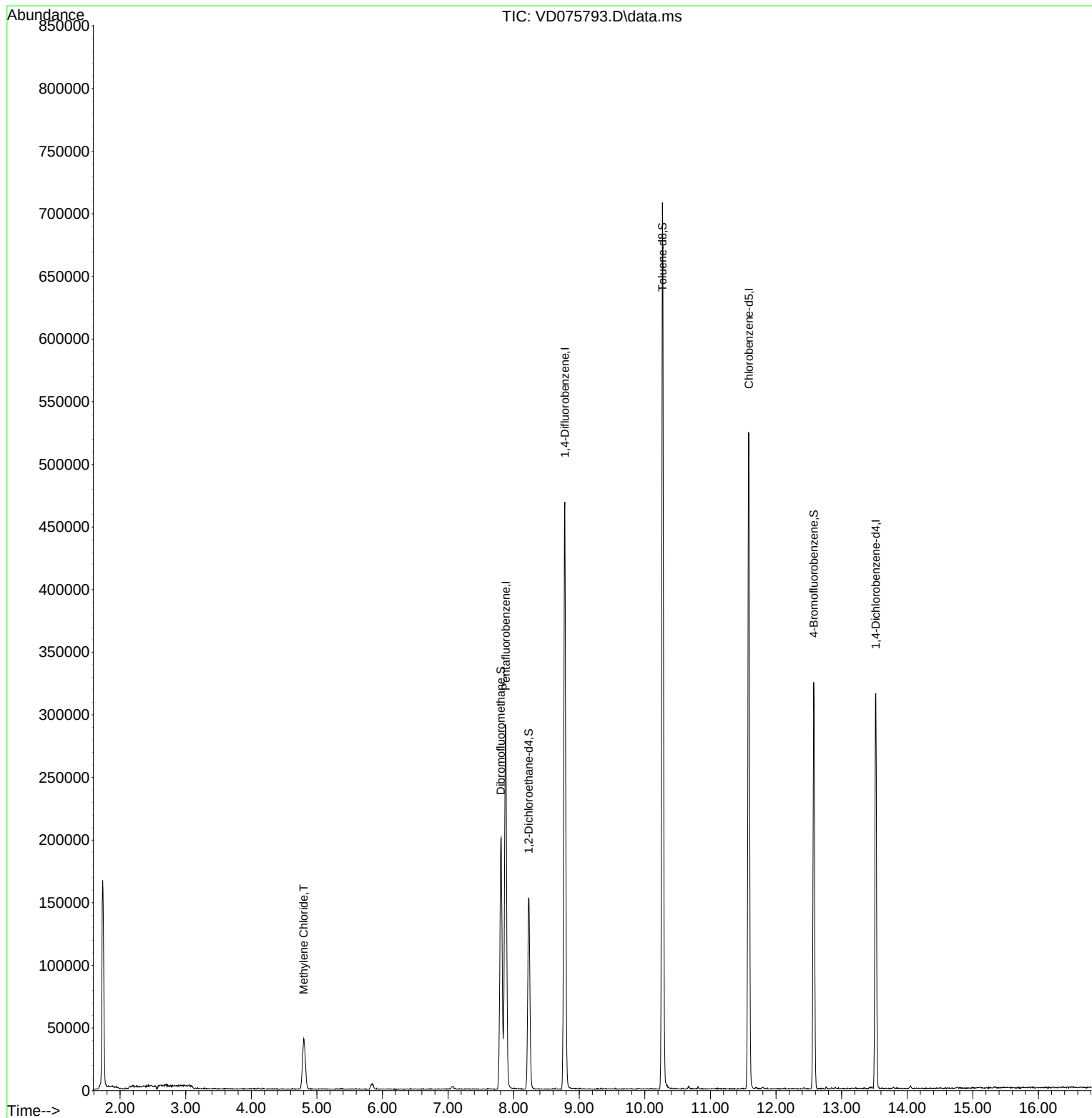
Internal Standards						
1) Pentafluorobenzene	7.881	168	247448	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	460901	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.587	117	351161	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	96088	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	118161	50.308	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 100.620%	
35) Dibromofluoromethane	7.804	113	152214	49.101	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 98.200%	
50) Toluene-d8	10.269	98	530478	42.731	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 85.460%	
62) 4-Bromofluorobenzene	12.575	95	102425	31.041	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 62.080%	
Target Compounds						
20) Methylene Chloride	4.799	84	35552	6.685	ug/l	Qvalue # 77

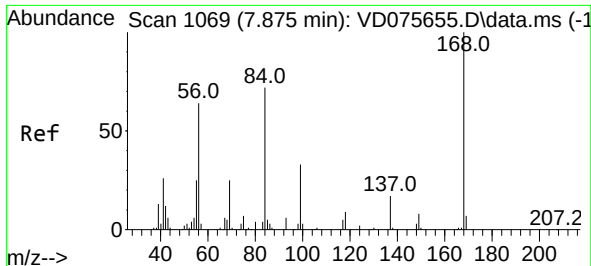
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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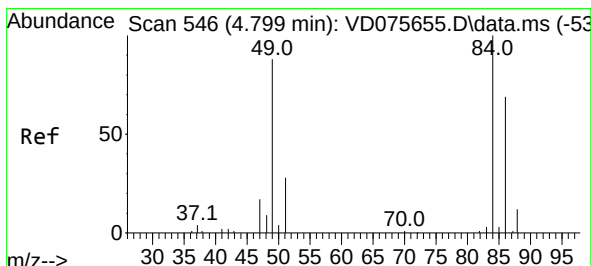
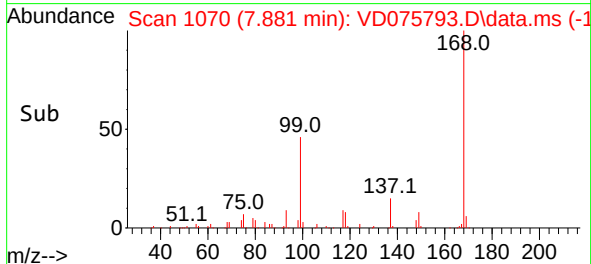
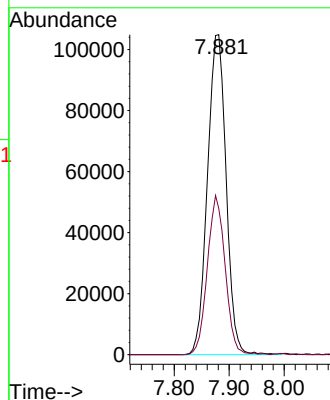
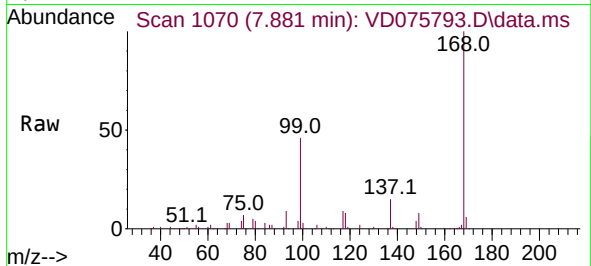




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.881 min Scan# 1069
Delta R.T. 0.006 min
Lab File: VD075793.D
Acq: 24 Apr 2023 13:59

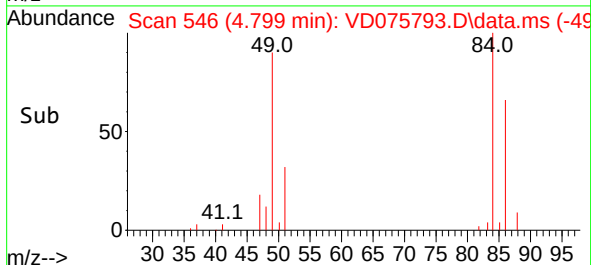
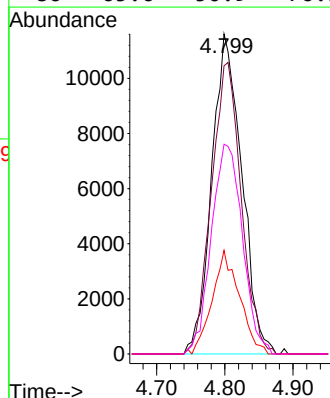
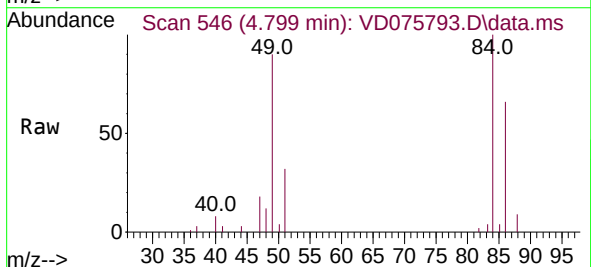
Instrument :
MSVOA_D
ClientSampleId :
4-GRAB

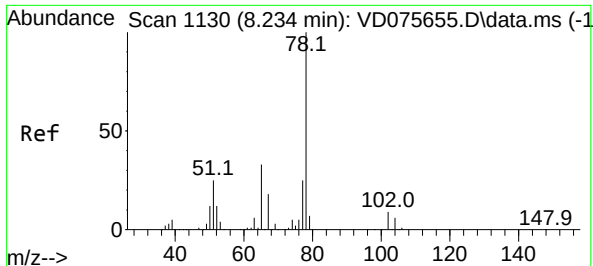
Tgt Ion:168 Resp: 247448
Ion Ratio Lower Upper
168 100
99 45.7 43.8 65.6



#20
Methylene Chloride
Concen: 6.685 ug/l
RT: 4.799 min Scan# 546
Delta R.T. -0.000 min
Lab File: VD075793.D
Acq: 24 Apr 2023 13:59

Tgt Ion: 84 Resp: 35552
Ion Ratio Lower Upper
84 100
49 90.0 106.4 159.6#
51 32.3 32.4 48.6#
86 65.6 50.9 76.3





#33

1,2-Dichloroethane-d4

Concen: 50.308 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.006 min

Lab File: VD075793.D

Acq: 24 Apr 2023 13:59

Instrument :

MSVOA_D

ClientSampleId :

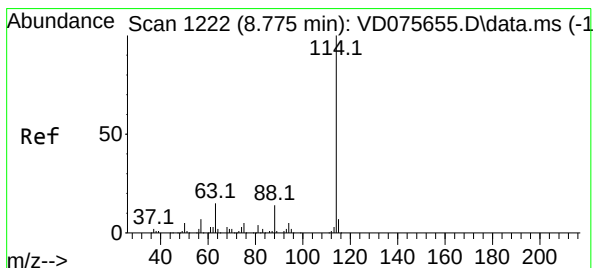
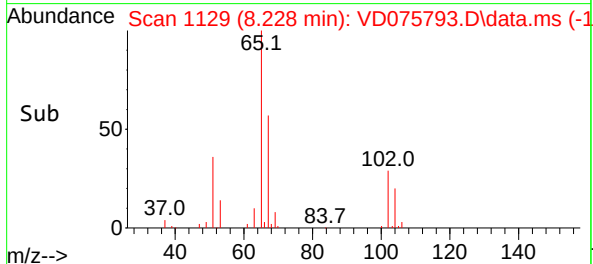
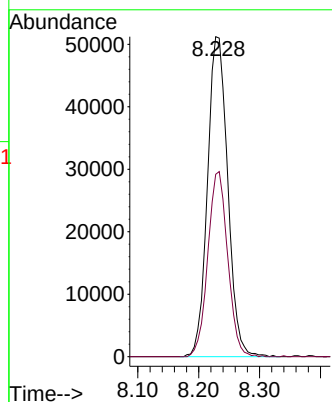
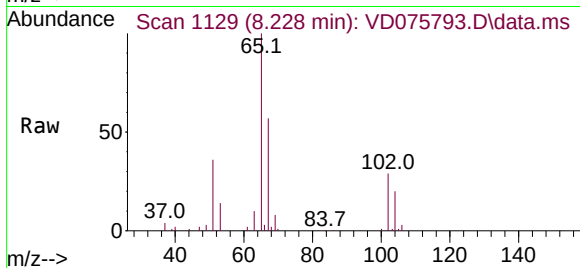
4-GRAB

Tgt Ion: 65 Resp: 118161

Ion Ratio Lower Upper

65 100

67 56.8 0.0 102.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 1223

Delta R.T. 0.006 min

Lab File: VD075793.D

Acq: 24 Apr 2023 13:59

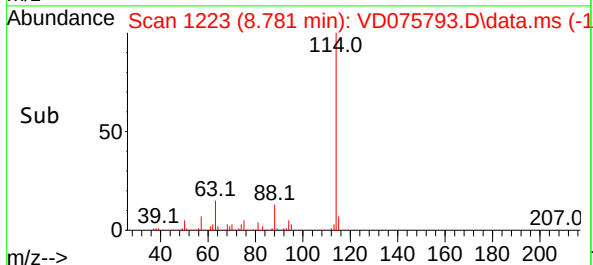
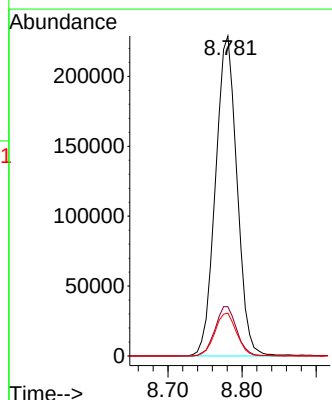
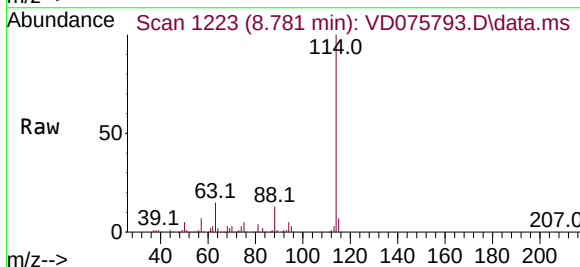
Tgt Ion: 114 Resp: 460901

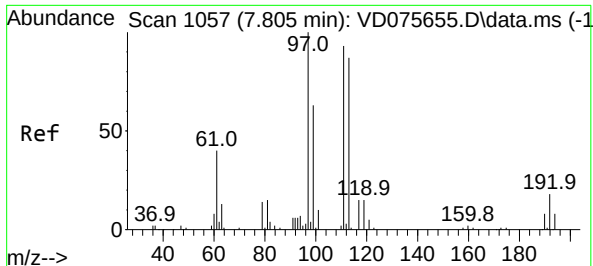
Ion Ratio Lower Upper

114 100

63 15.4 0.0 41.6

88 13.4 0.0 30.6





#35

Dibromofluoromethane

Concen: 49.101 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. -0.001 min

Lab File: VD075793.D

Acq: 24 Apr 2023 13:59

Instrument :

MSVOA_D

ClientSampleId :

4-GRAB

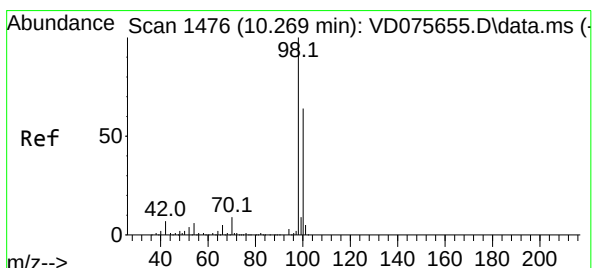
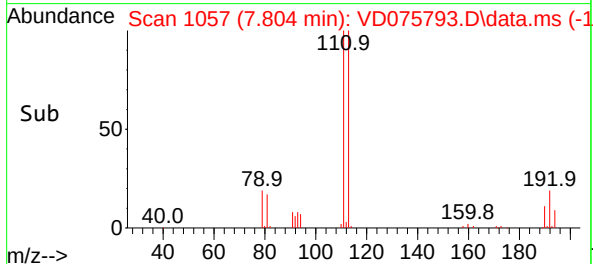
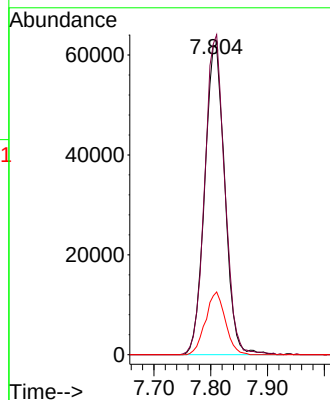
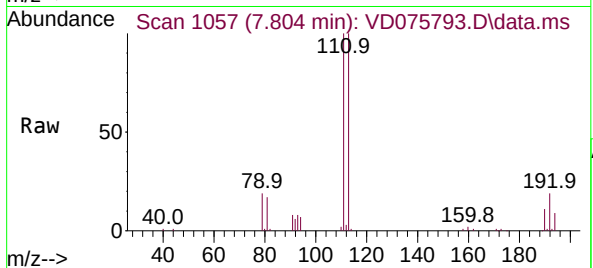
Tgt Ion:113 Resp: 152214

Ion Ratio Lower Upper

113 100

111 102.5 81.4 122.0

192 20.0 15.2 22.8



#50

Toluene-d8

Concen: 42.731 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD075793.D

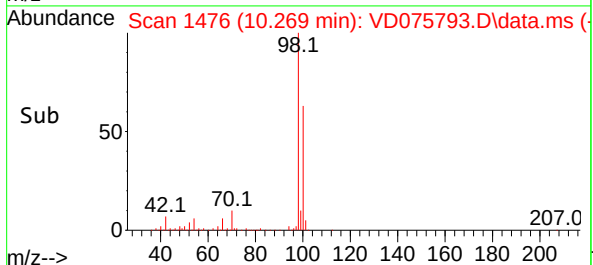
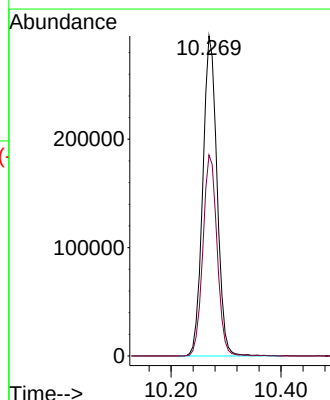
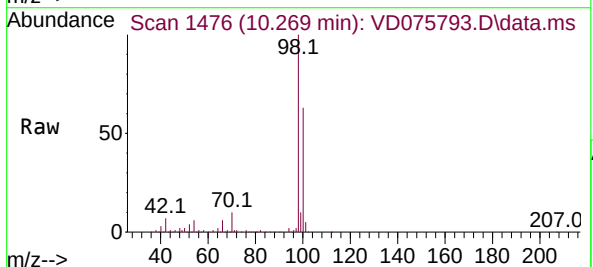
Acq: 24 Apr 2023 13:59

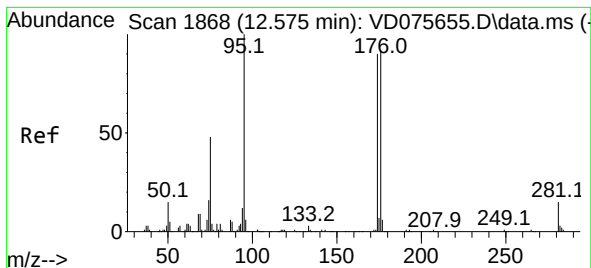
Tgt Ion: 98 Resp: 530478

Ion Ratio Lower Upper

98 100

100 62.6 52.1 78.1

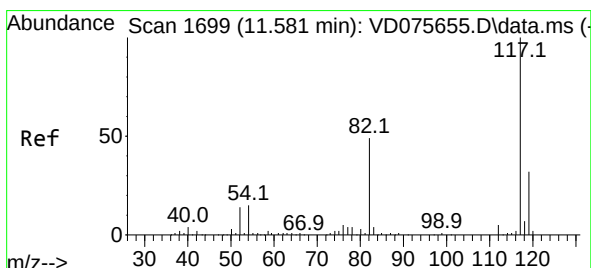
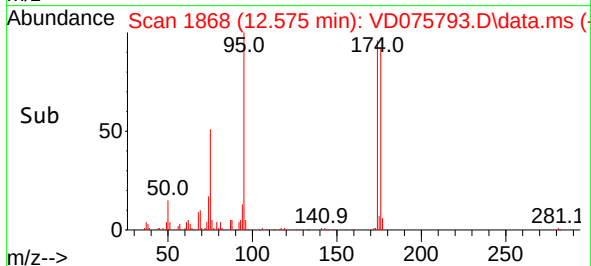
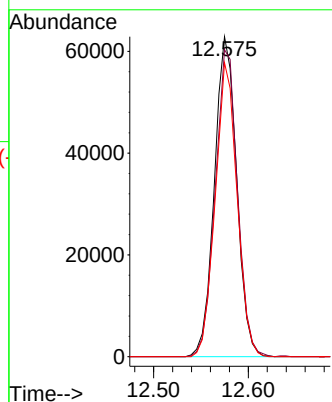
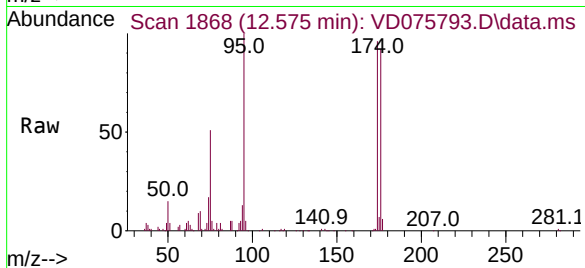




#62
4-Bromofluorobenzene
Concen: 31.041 ug/l
RT: 12.575 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD075793.D
Acq: 24 Apr 2023 13:59

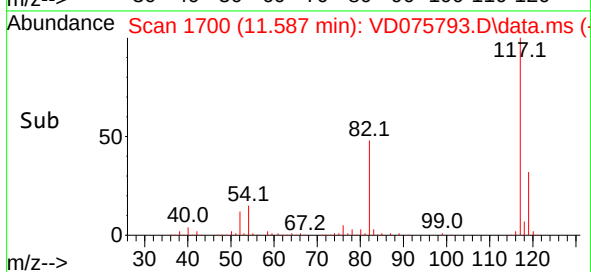
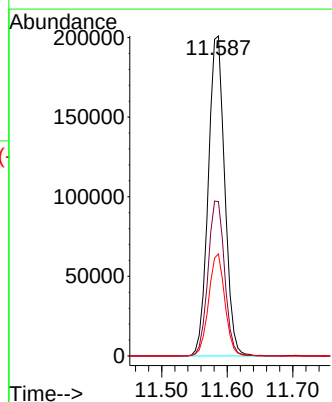
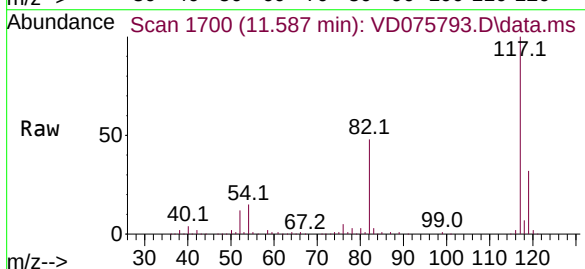
Instrument :
MSVOA_D
ClientSampleId :
4-GRAB

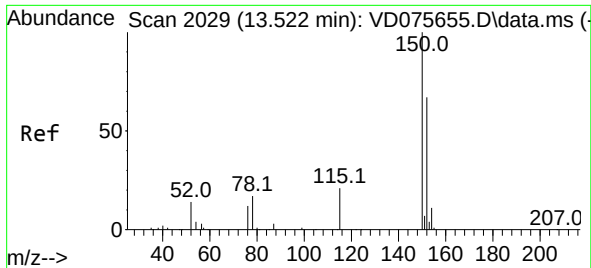
Tgt Ion: 95 Resp: 102425
Ion Ratio Lower Upper
95 100
174 96.4 0.0 164.0
176 90.4 0.0 156.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.587 min Scan# 1700
Delta R.T. 0.006 min
Lab File: VD075793.D
Acq: 24 Apr 2023 13:59

Tgt Ion: 117 Resp: 351161
Ion Ratio Lower Upper
117 100
82 48.3 44.0 66.0
119 31.9 25.1 37.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.522 min Scan# 20

Delta R.T. -0.000 min

Lab File: VD075793.D

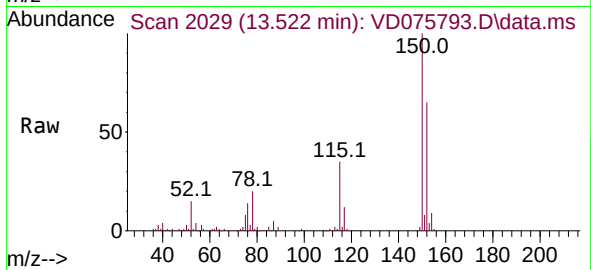
Acq: 24 Apr 2023 13:59

Instrument :

MSVOA_D

ClientSampleId :

4-GRAB



Tgt Ion:152 Resp: 96088

Ion Ratio Lower Upper

152 100

115 54.5 30.1 90.3

150 158.2 0.0 364.8

