

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD042423\
 Data File : VD075796.D
 Acq On : 24 Apr 2023 15:25
 Operator : KP/SY
 Sample : 02416-04
 Misc : 5.13G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 3-GRAB

Quant Time: Apr 25 06:10:11 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	7.875	168	241699	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	452835	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.587	117	361044	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	109592	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	113648	49.537	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	99.080%
35) Dibromofluoromethane	7.805	113	138564	45.494	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	90.980%
50) Toluene-d8	10.269	98	472548	38.743	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	77.480%
62) 4-Bromofluorobenzene	12.575	95	98231	30.300	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	60.600%

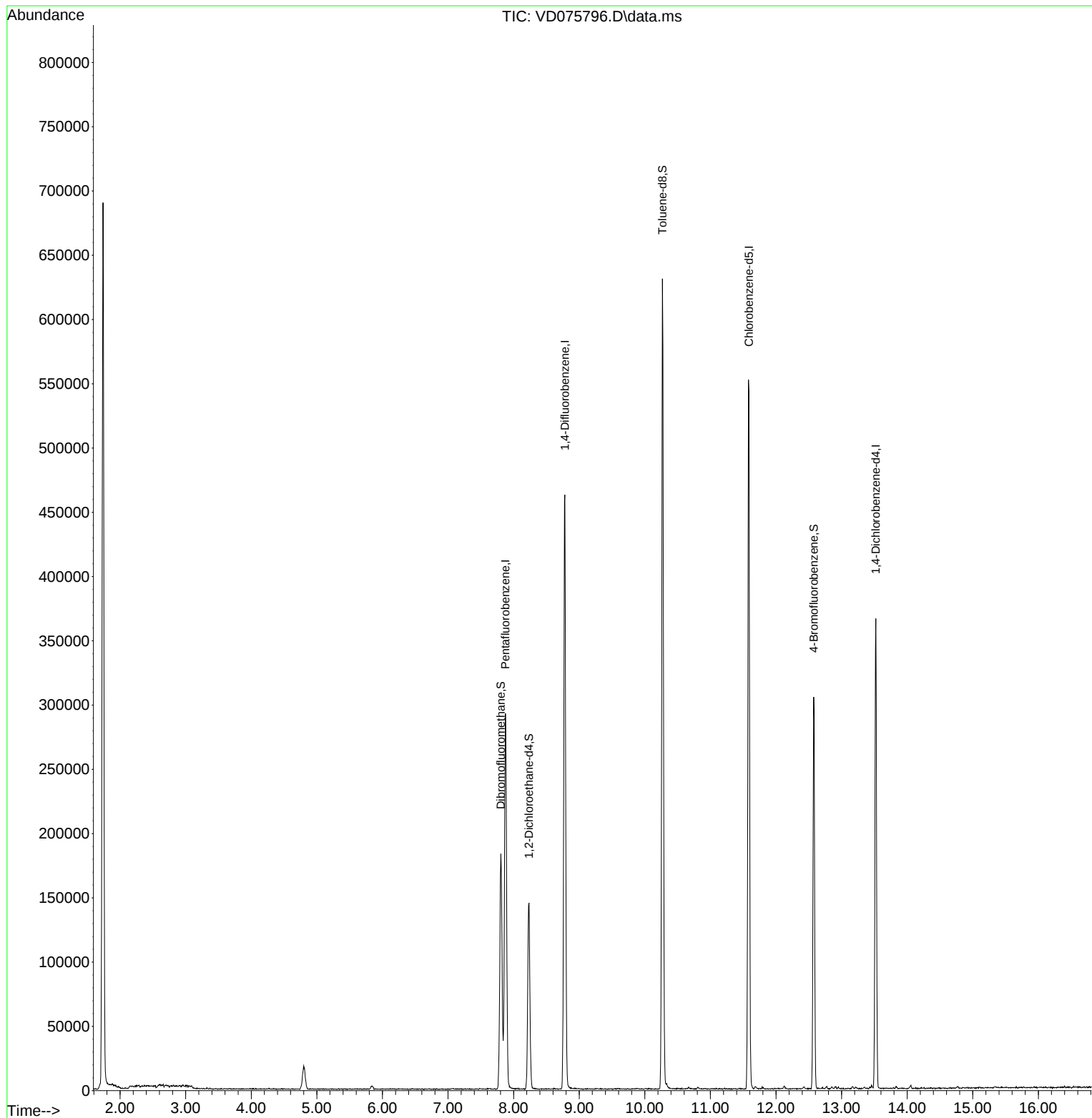
Target Compounds	Qvalue

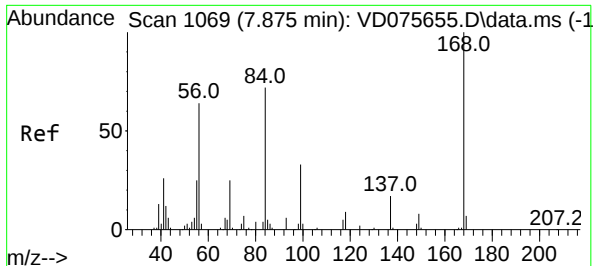
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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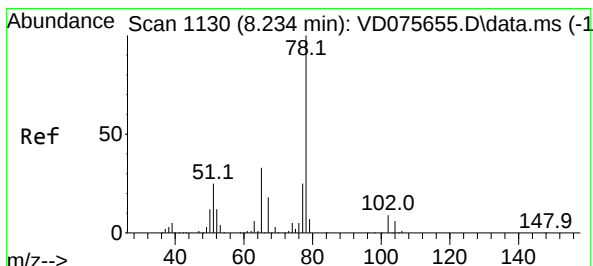
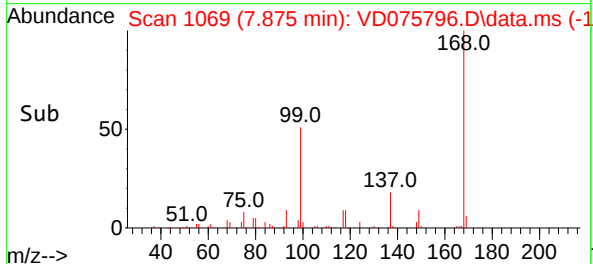
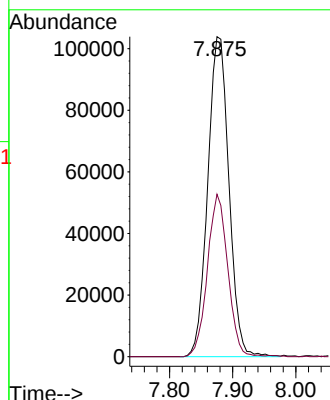
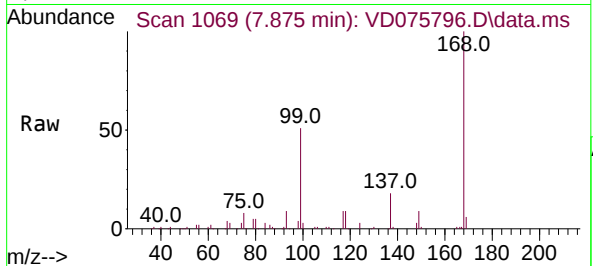




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 110
Delta R.T. 0.000 min
Lab File: VD075796.D
Acq: 24 Apr 2023 15:25

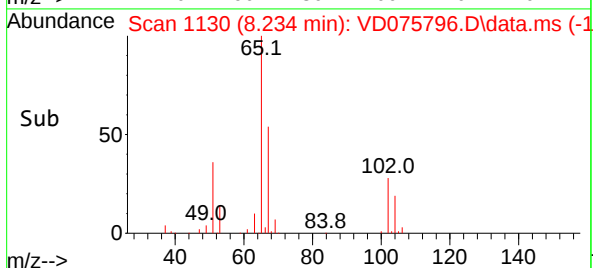
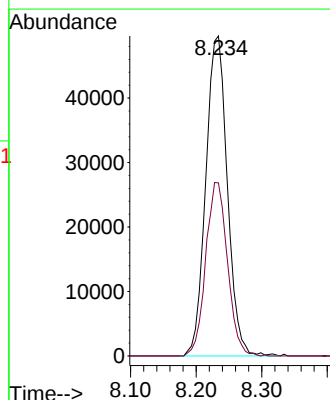
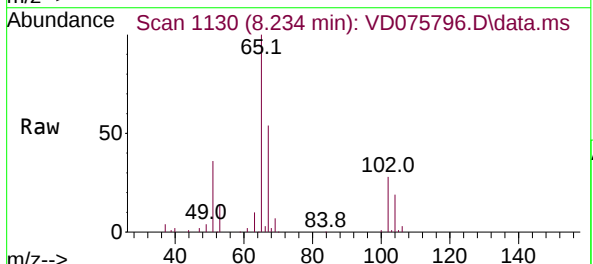
Instrument :
MSVOA_D
ClientSampleId :
3-GRAB

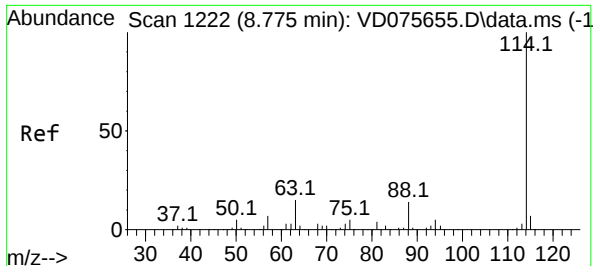
Tgt Ion:168 Resp: 241699
Ion Ratio Lower Upper
168 100
99 50.8 43.8 65.6



#33
1,2-Dichloroethane-d4
Concen: 49.537 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VD075796.D
Acq: 24 Apr 2023 15:25

Tgt Ion: 65 Resp: 113648
Ion Ratio Lower Upper
65 100
67 54.6 0.0 102.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 11

Delta R.T. 0.006 min

Lab File: VD075796.D

Acq: 24 Apr 2023 15:25

Instrument :

MSVOA_D

ClientSampleId :

3-GRAB

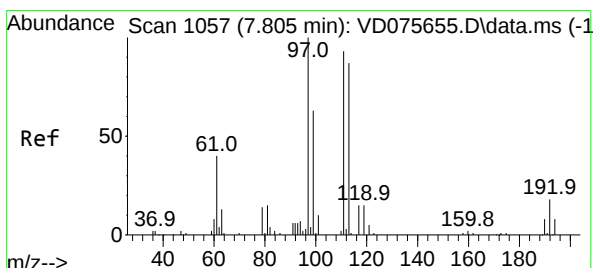
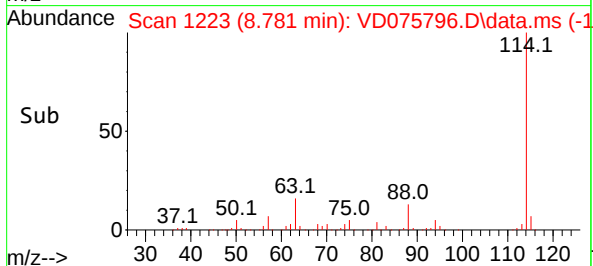
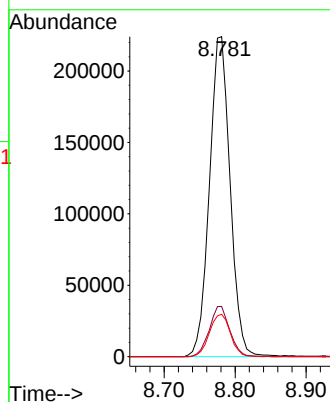
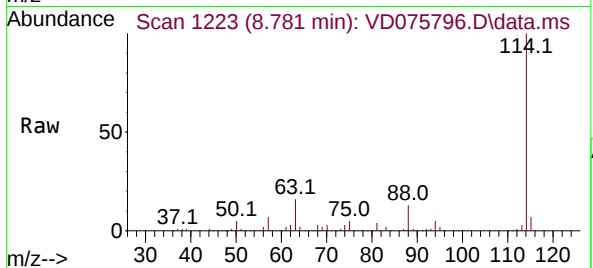
Tgt Ion:114 Resp: 452835

Ion Ratio Lower Upper

114 100

63 15.7 0.0 41.6

88 13.2 0.0 30.6



#35

Dibromofluoromethane

Concen: 45.494 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VD075796.D

Acq: 24 Apr 2023 15:25

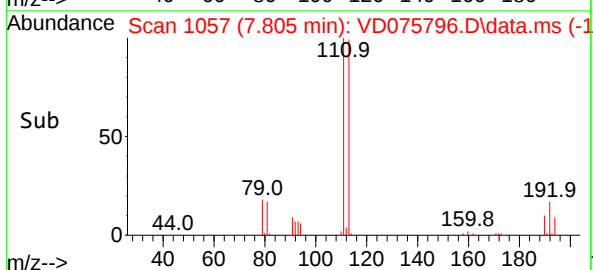
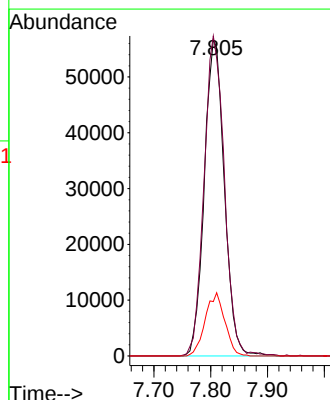
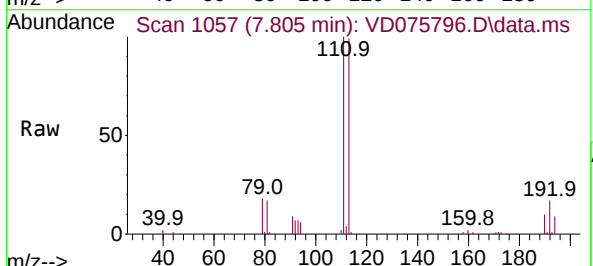
Tgt Ion:113 Resp: 138564

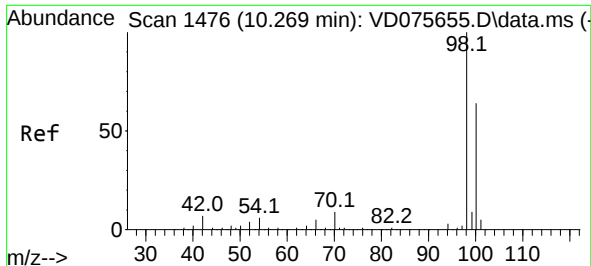
Ion Ratio Lower Upper

113 100

111 102.8 81.4 122.0

192 19.6 15.2 22.8

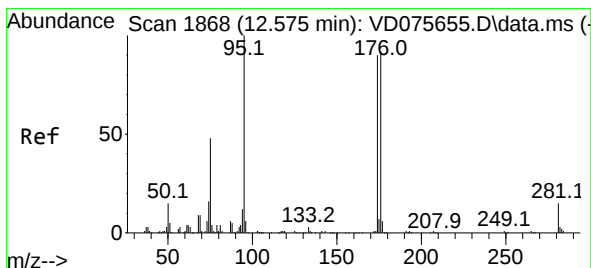
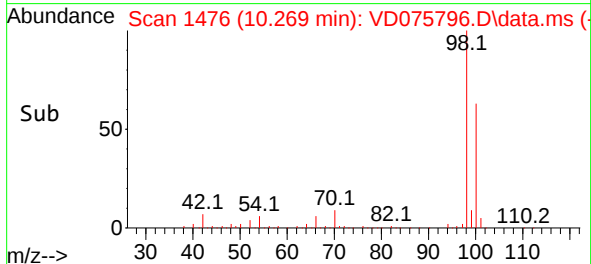
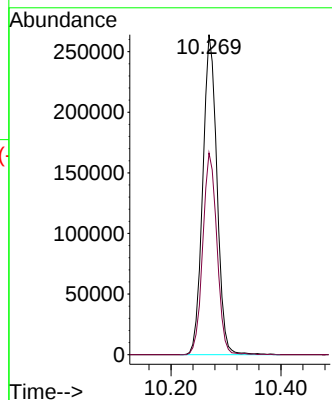
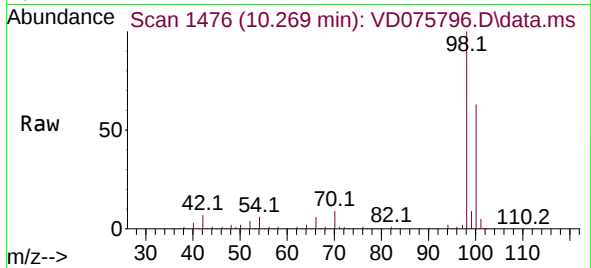




#50
Toluene-d8
Concen: 38.743 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD075796.D
Acq: 24 Apr 2023 15:25

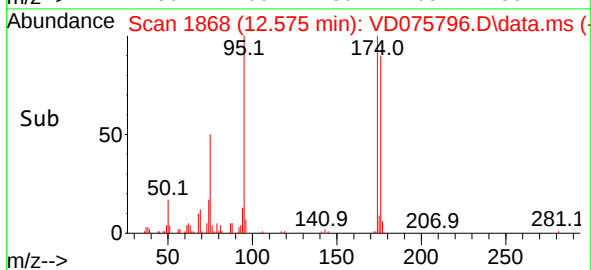
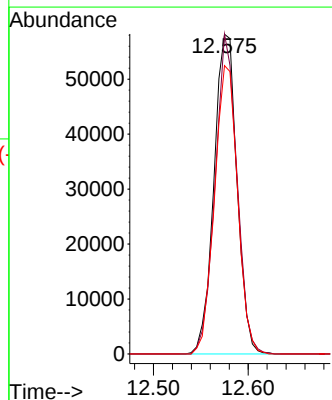
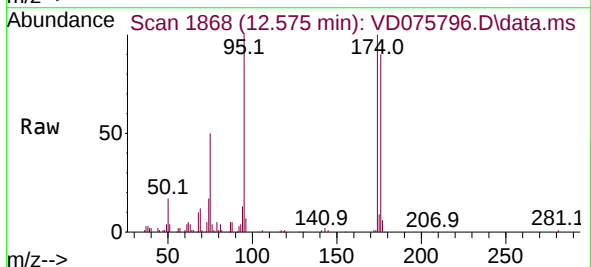
Instrument :
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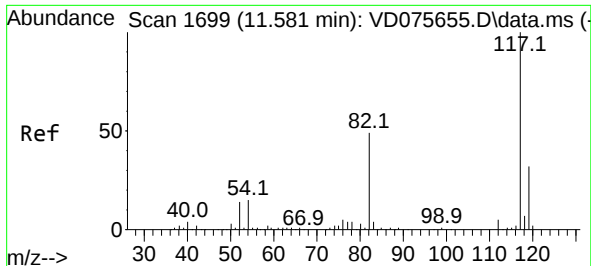
Tgt Ion: 98 Resp: 472548
Ion Ratio Lower Upper
98 100
100 63.0 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 30.300 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD075796.D
Acq: 24 Apr 2023 15:25

Tgt Ion: 95 Resp: 98231
Ion Ratio Lower Upper
95 100
174 95.1 0.0 164.0
176 90.6 0.0 156.8

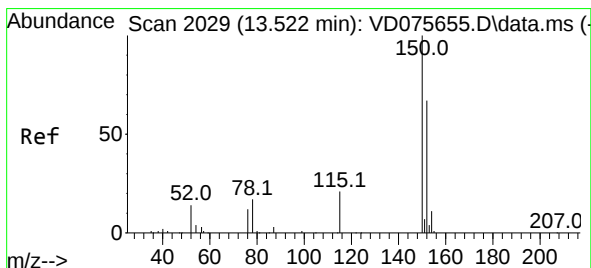
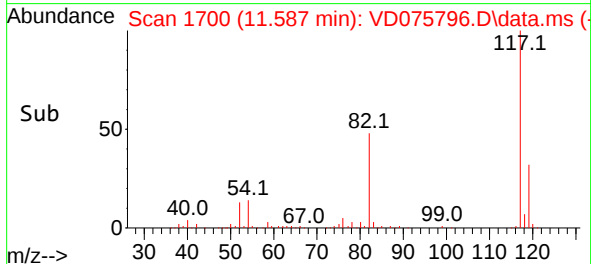
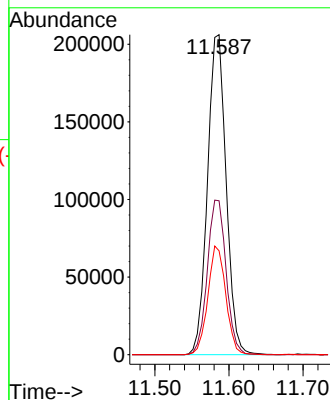
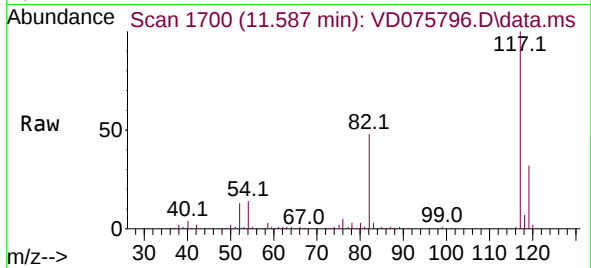




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.587 min Scan# 11
Delta R.T. 0.006 min
Lab File: VD075796.D
Acq: 24 Apr 2023 15:25

Instrument :
MSVOA_D
ClientSampleId :
3-GRAB

Tgt Ion:117 Resp: 361044
Ion Ratio Lower Upper
117 100
82 48.1 44.0 66.0
119 32.4 25.1 37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.522 min Scan# 2029
Delta R.T. -0.000 min
Lab File: VD075796.D
Acq: 24 Apr 2023 15:25

Tgt Ion:152 Resp: 109592
Ion Ratio Lower Upper
152 100
115 53.2 30.1 90.3
150 159.9 0.0 364.8

