

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD061423\
 Data File : VD076417.D
 Acq On : 14 Jun 2023 14:34
 Operator : KP/SY
 Sample : 03139-02
 Misc : 5.01G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VOC

Quant Time: Jun 15 05:32:42 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D061223S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 13 02:01:34 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.869	168	39121	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.775	114	79659	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	88555	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	46713	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	43280	95.782	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	191.560%#
35) Dibromofluoromethane	7.805	113	43183	83.876	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	167.760%#
50) Toluene-d8	10.269	98	89172	45.704	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	91.400%
62) 4-Bromofluorobenzene	12.575	95	47577	71.082	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	142.160%

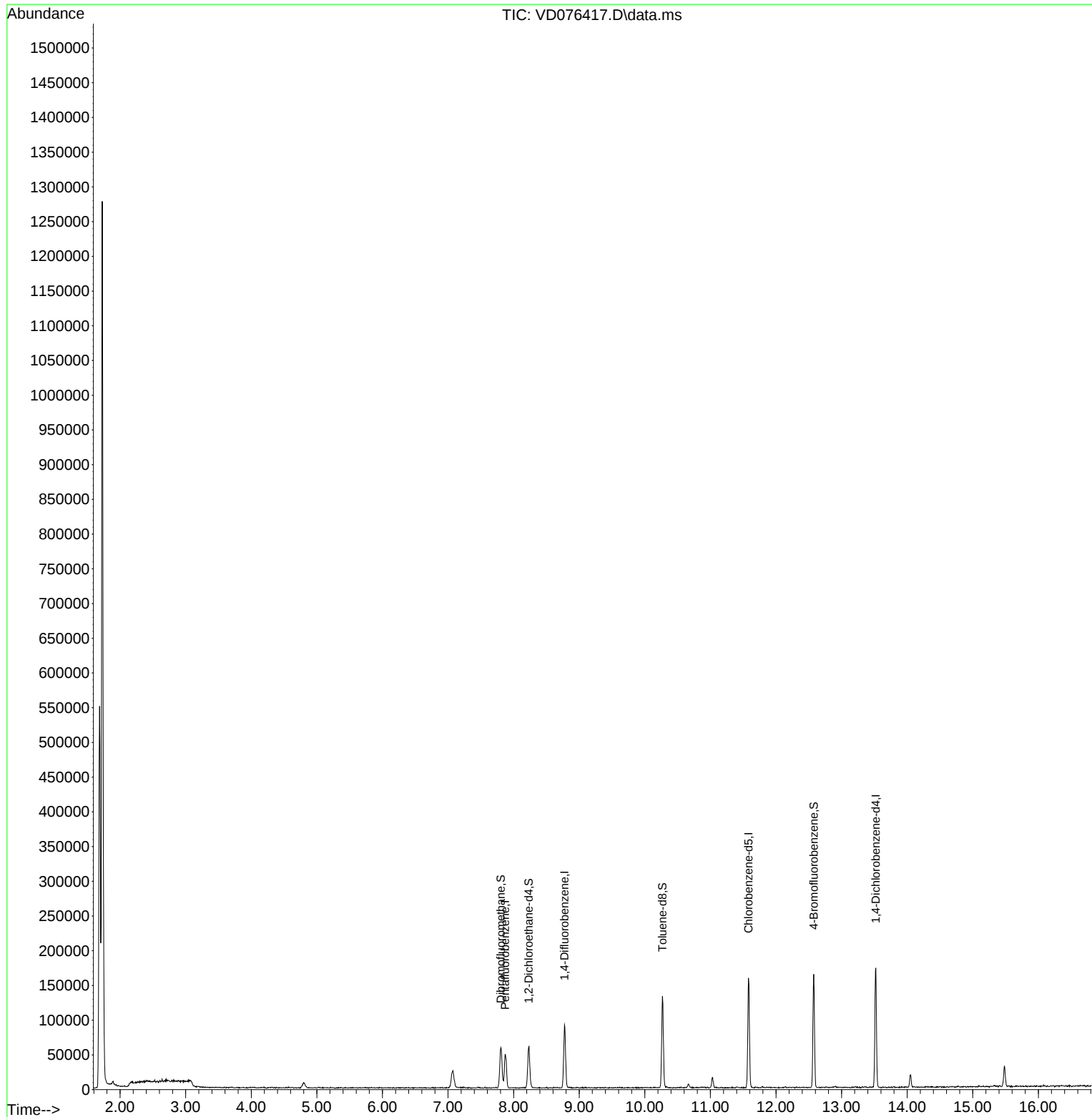
Target Compounds	Qvalue

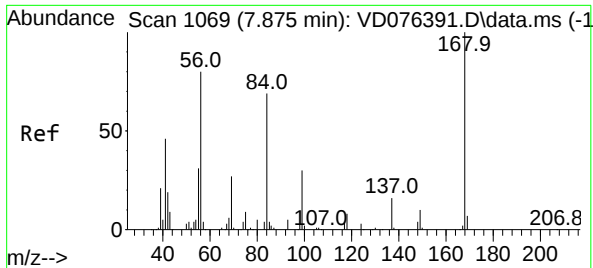
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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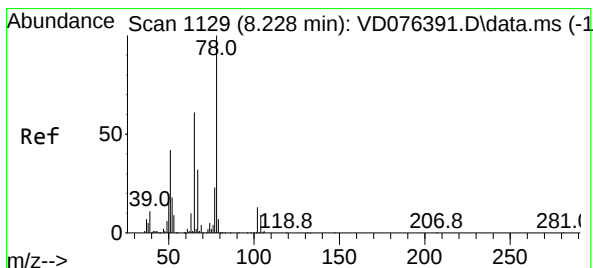
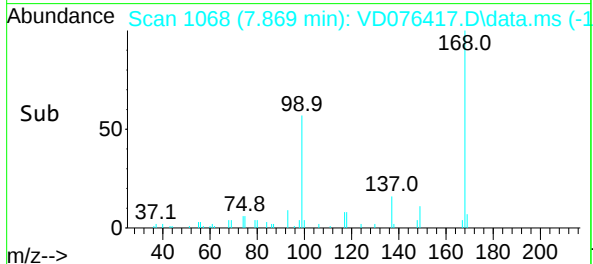
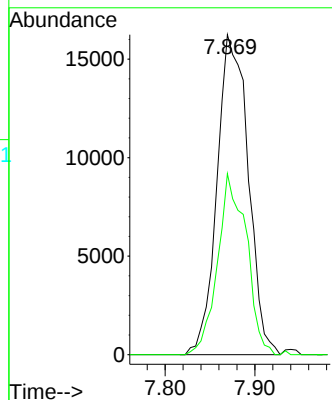
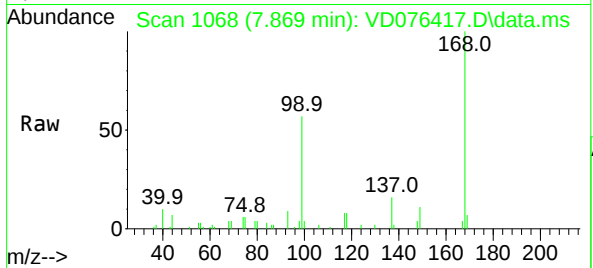




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.869 min Scan# 1069
Delta R.T. -0.006 min
Lab File: VD076417.D
Acq: 14 Jun 2023 14:34

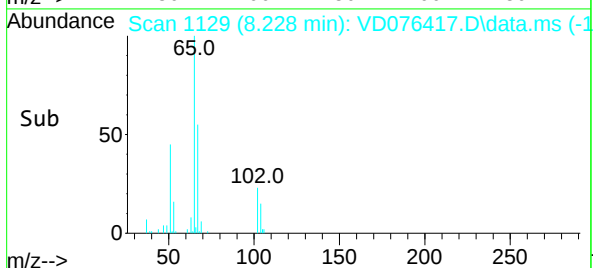
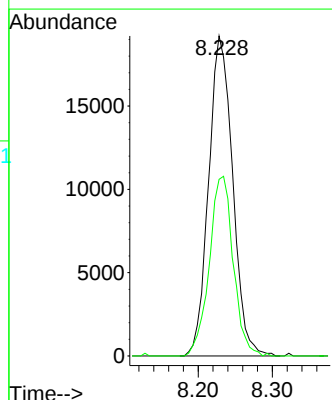
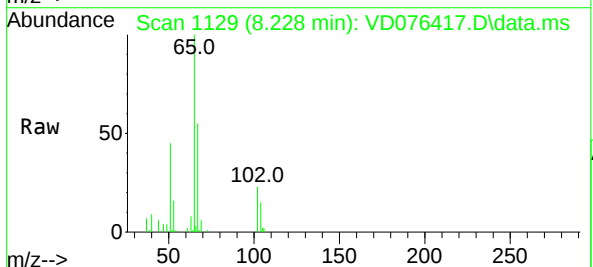
Instrument :
MSVOA_D
ClientSampleId :
VOC

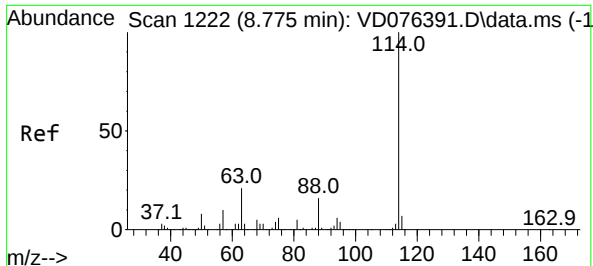
Tgt Ion:168 Resp: 39121
Ion Ratio Lower Upper
168 100
99 56.6 36.7 55.1#



#33
1,2-Dichloroethane-d4
Concen: 95.782 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. 0.000 min
Lab File: VD076417.D
Acq: 14 Jun 2023 14:34

Tgt Ion: 65 Resp: 43280
Ion Ratio Lower Upper
65 100
67 55.9 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: VD076417.D

Acq: 14 Jun 2023 14:34

Instrument :

MSVOA_D

ClientSampleId :

VOC

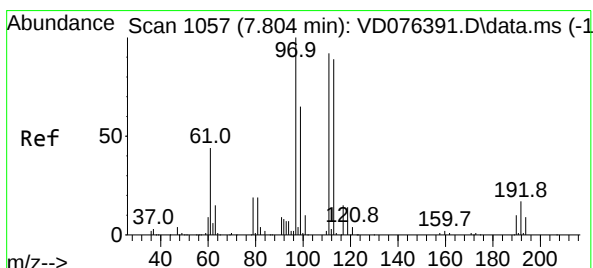
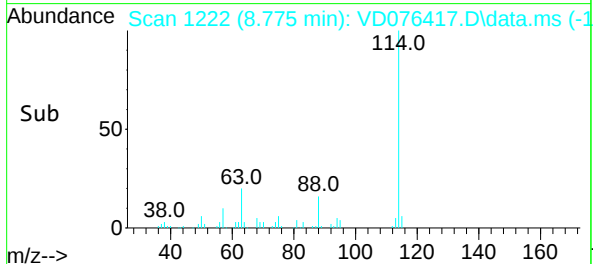
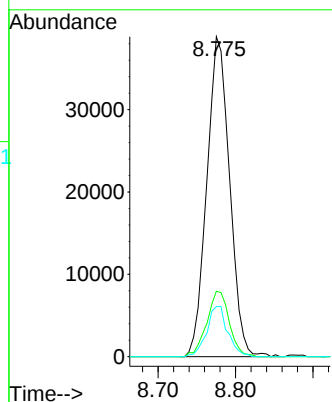
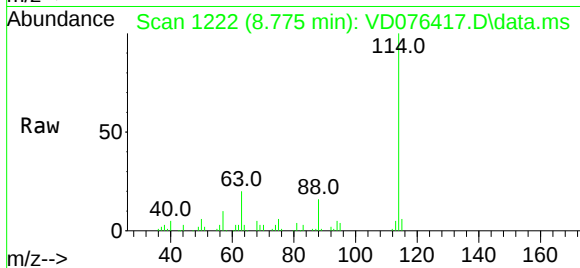
Tgt Ion:114 Resp: 79659

Ion Ratio Lower Upper

114 100

63 20.5 0.0 33.4

88 15.7 0.0 26.2



#35

Dibromofluoromethane

Concen: 83.876 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. 0.000 min

Lab File: VD076417.D

Acq: 14 Jun 2023 14:34

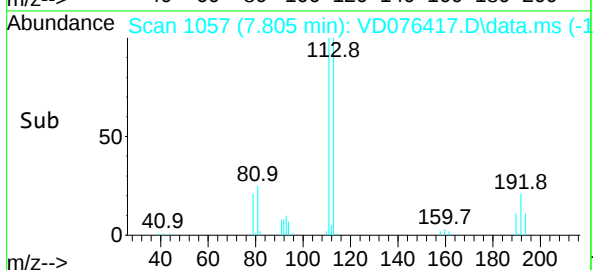
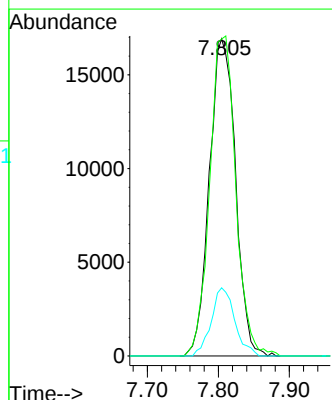
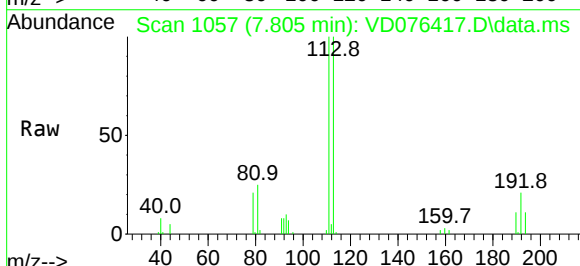
Tgt Ion:113 Resp: 43183

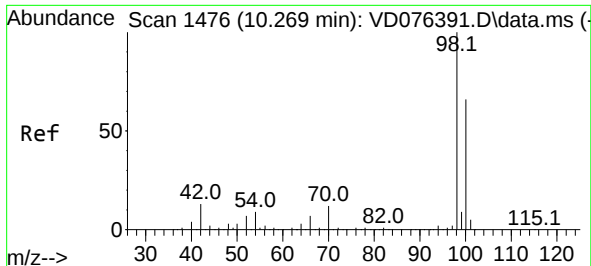
Ion Ratio Lower Upper

113 100

111 100.7 84.7 127.1

192 19.4 16.8 25.2

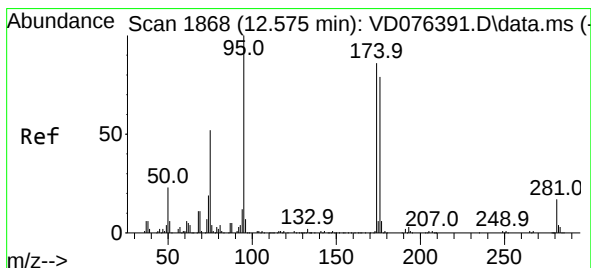
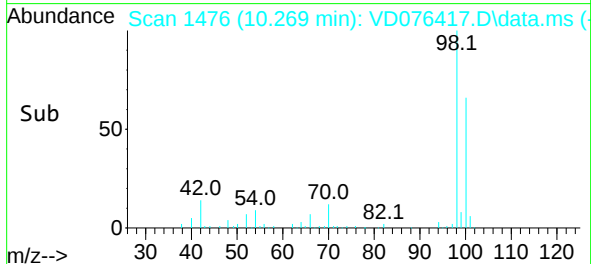
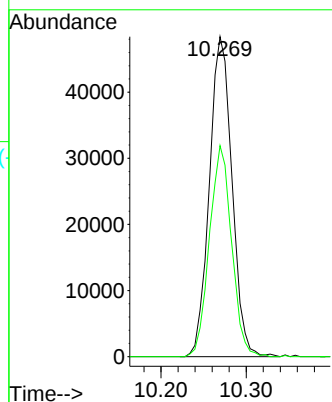
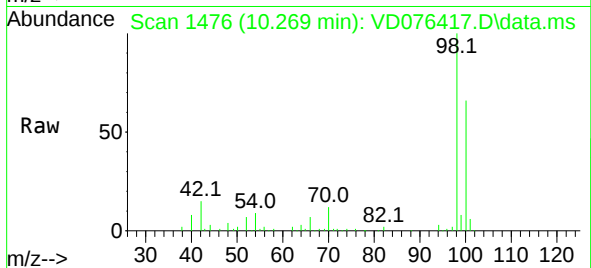




#50
Toluene-d8
Concen: 45.704 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD076417.D
Acq: 14 Jun 2023 14:34

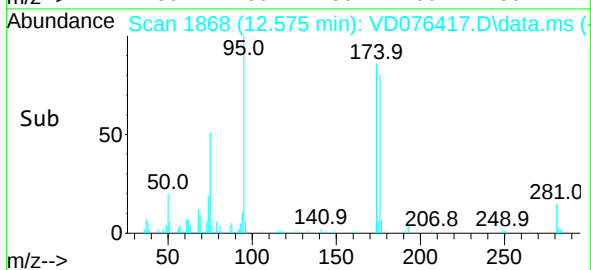
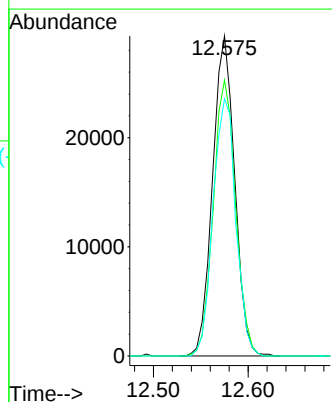
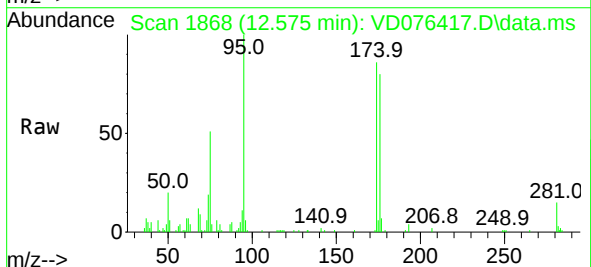
Instrument :
MSVOA_D
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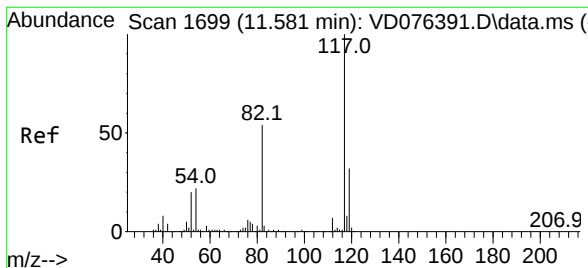
Tgt Ion: 98 Resp: 89172
Ion Ratio Lower Upper
98 100
100 64.6 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 71.082 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VD076417.D
Acq: 14 Jun 2023 14:34

Tgt Ion: 95 Resp: 47577
Ion Ratio Lower Upper
95 100
174 87.0 0.0 201.8
176 82.7 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: VD076417.D

Acq: 14 Jun 2023 14:34

Instrument :

MSVOA_D

ClientSampleId :

VOC

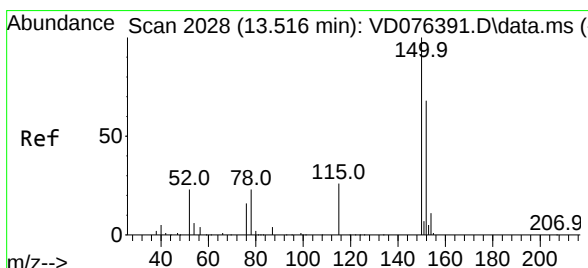
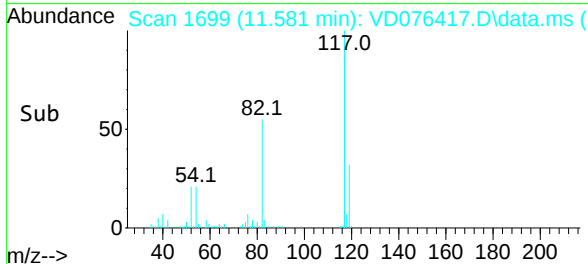
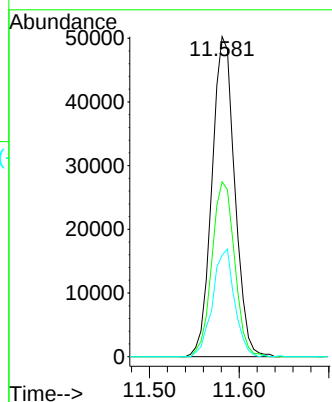
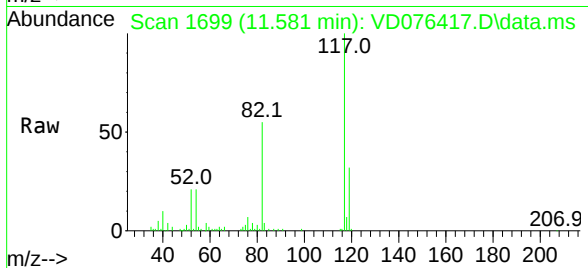
Tgt Ion:117 Resp: 88555

Ion Ratio Lower Upper

117 100

82 54.6 38.3 57.5

119 31.7 25.0 37.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.522 min Scan# 2029

Delta R.T. 0.006 min

Lab File: VD076417.D

Acq: 14 Jun 2023 14:34

Tgt Ion:152 Resp: 46713

Ion Ratio Lower Upper

152 100

115 58.0 27.1 81.3

150 155.6 0.0 353.6

