

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD081423\
 Data File : VD077003.D
 Acq On : 14 Aug 2023 16:10
 Operator : JC/SY
 Sample : 03977-02
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VOC

Quant Time: Aug 15 04:48:47 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D080823S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 09 07:25:36 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	33989	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.775	114	66165	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	73015	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	33438	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	24080	89.809	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	179.620%#
35) Dibromofluoromethane	7.804	113	23389	65.753	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	131.500%
50) Toluene-d8	10.269	98	74429	65.145	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	130.300%
62) 4-Bromofluorobenzene	12.575	95	24091	60.317	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	120.640%

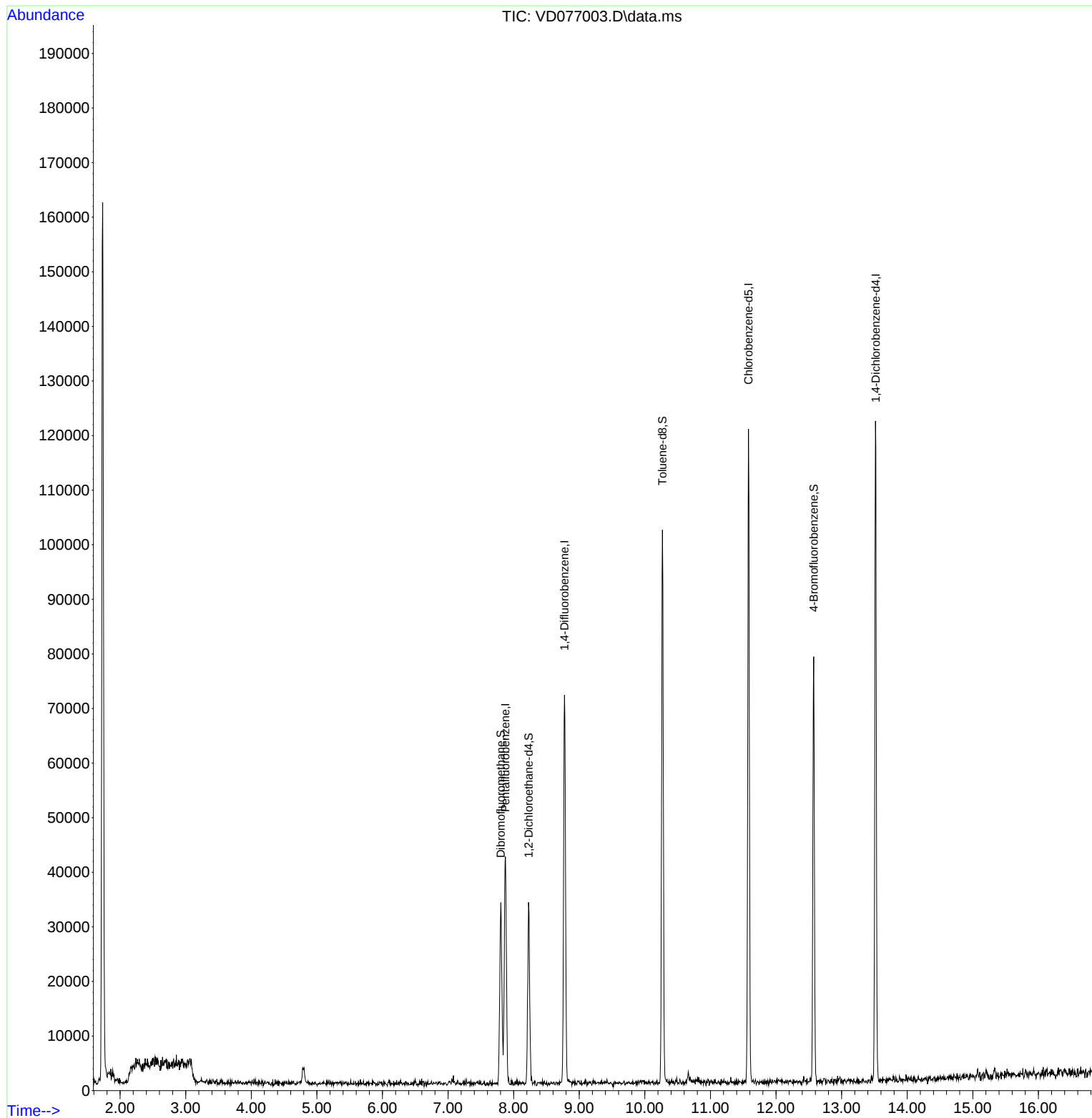
Target Compounds	Qvalue

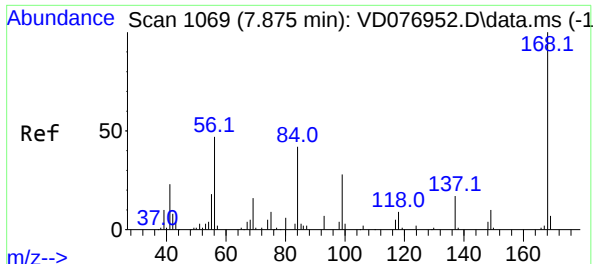
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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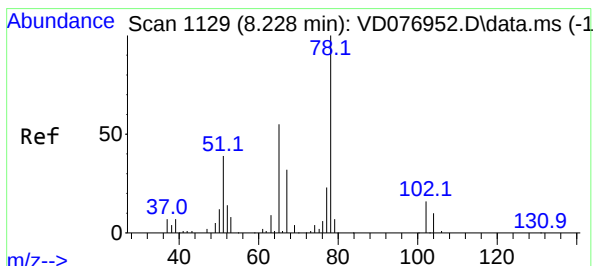
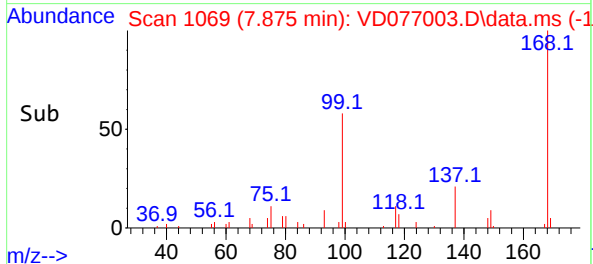
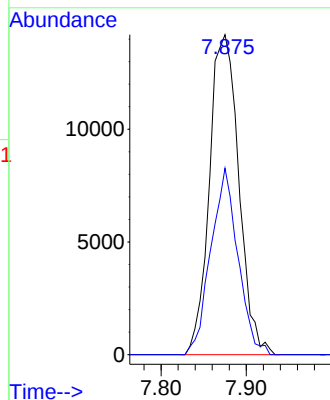
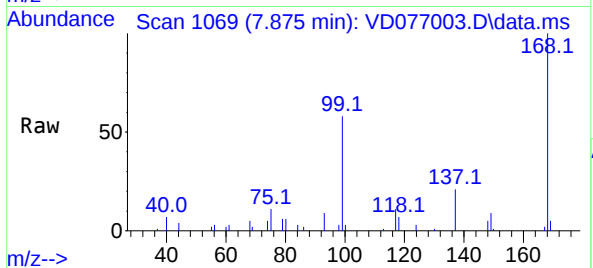




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD077003.D
Acq: 14 Aug 2023 16:10

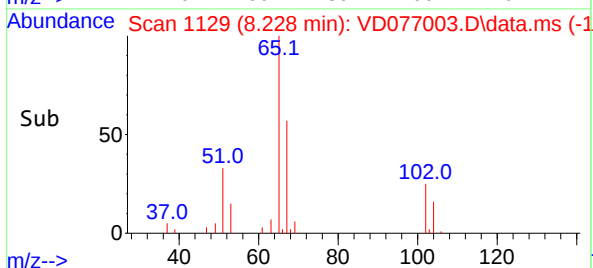
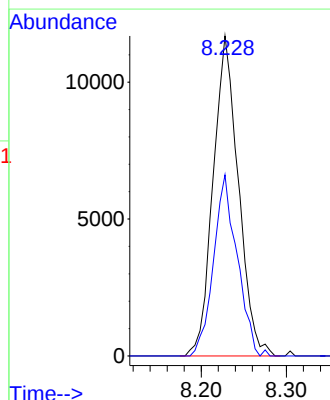
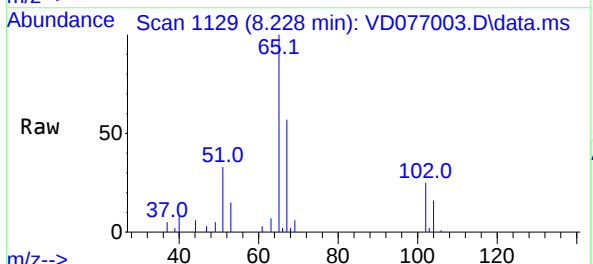
Instrument :
MSVOA_D
ClientSampleId :
VOC

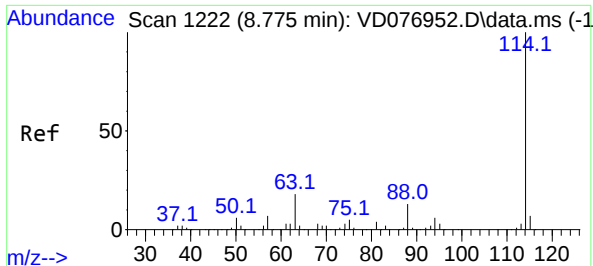
Tgt Ion:168 Resp: 33989
Ion Ratio Lower Upper
168 100
99 58.2 36.7 55.1#



#33
1,2-Dichloroethane-d4
Concen: 89.809 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. -0.000 min
Lab File: VD077003.D
Acq: 14 Aug 2023 16:10

Tgt Ion: 65 Resp: 24080
Ion Ratio Lower Upper
65 100
67 53.0 0.0 115.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1

Delta R.T. 0.000 min

Lab File: VD077003.D

Acq: 14 Aug 2023 16:10

Instrument :

MSVOA_D

ClientSampleId :

VOC

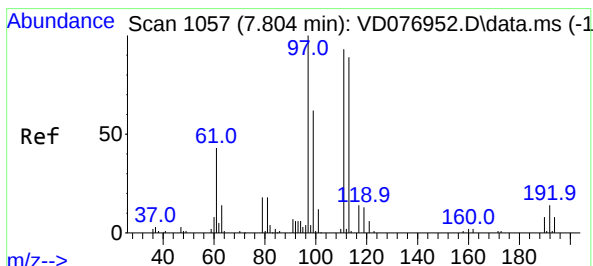
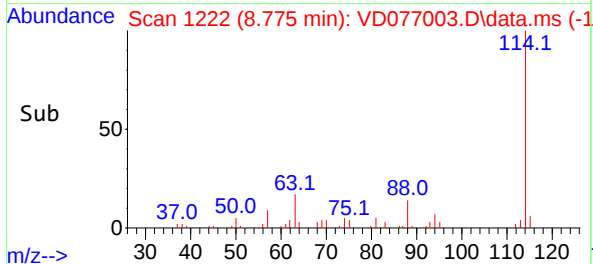
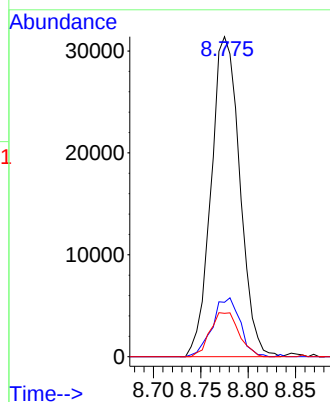
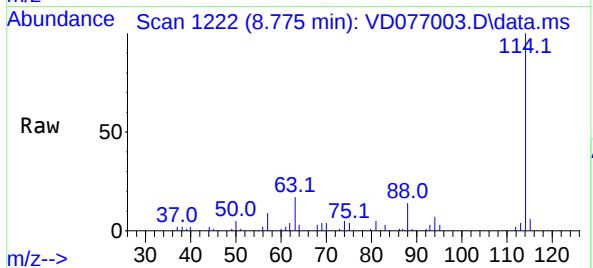
Tgt Ion:114 Resp: 66165

Ion Ratio Lower Upper

114 100

63 17.0 0.0 33.4

88 13.5 0.0 26.2



#35

Dibromofluoromethane

Concen: 65.753 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. 0.000 min

Lab File: VD077003.D

Acq: 14 Aug 2023 16:10

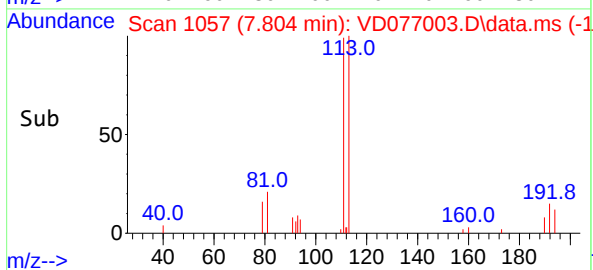
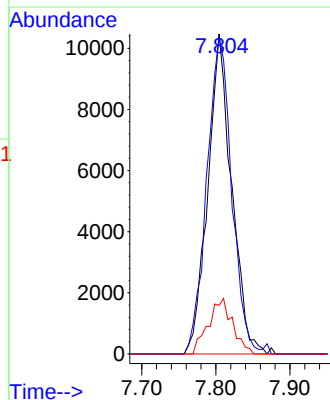
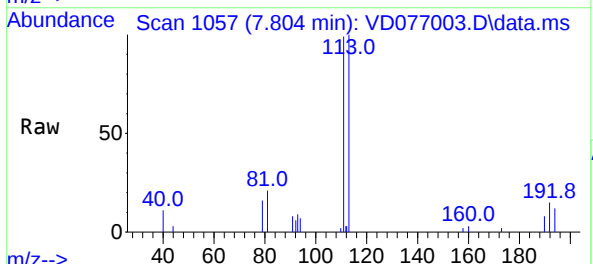
Tgt Ion:113 Resp: 23389

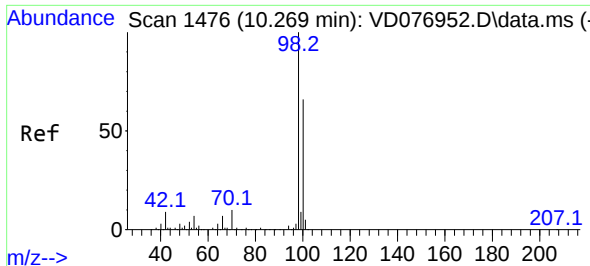
Ion Ratio Lower Upper

113 100

111 103.7 84.7 127.1

192 17.6 16.8 25.2

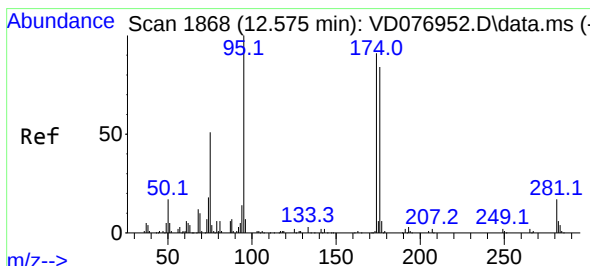
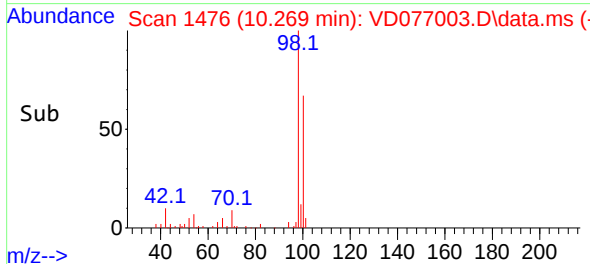
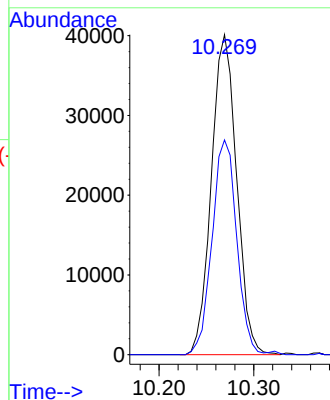
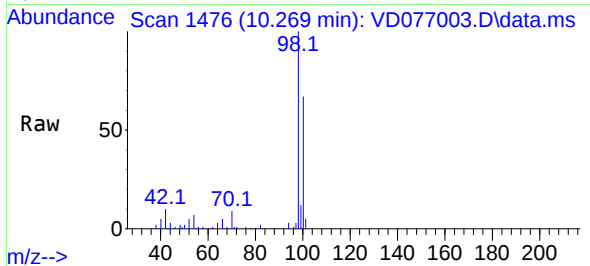




#50
Toluene-d8
Concen: 65.145 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD077003.D
Acq: 14 Aug 2023 16:10

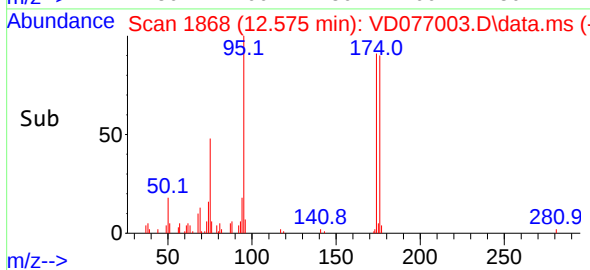
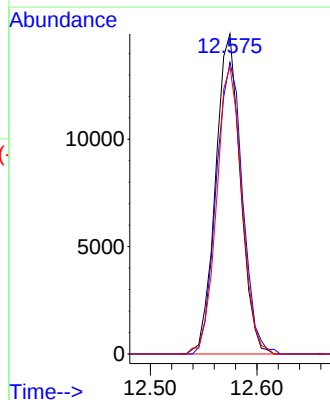
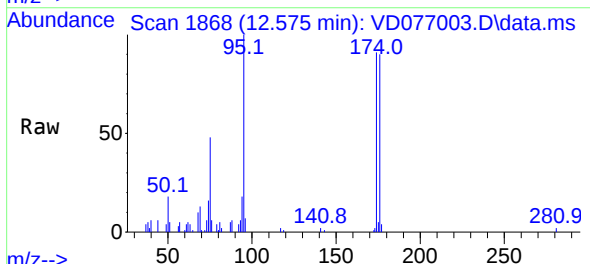
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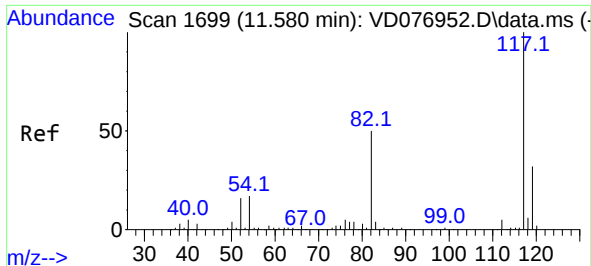
Tgt Ion: 98 Resp: 74429
Ion Ratio Lower Upper
98 100
100 65.2 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 60.317 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD077003.D
Acq: 14 Aug 2023 16:10

Tgt Ion: 95 Resp: 24091
Ion Ratio Lower Upper
95 100
174 97.2 0.0 201.8
176 91.3 0.0 191.8

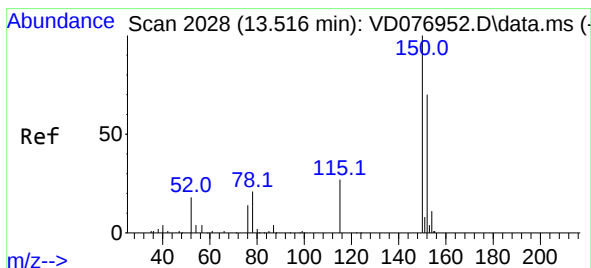
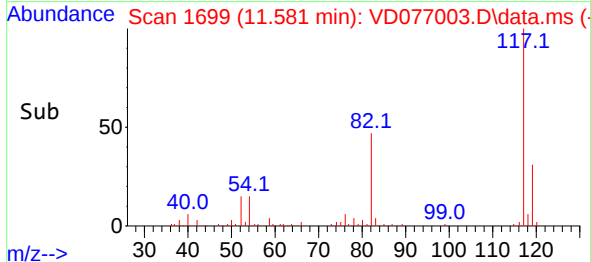
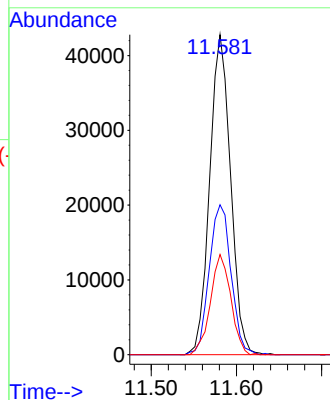
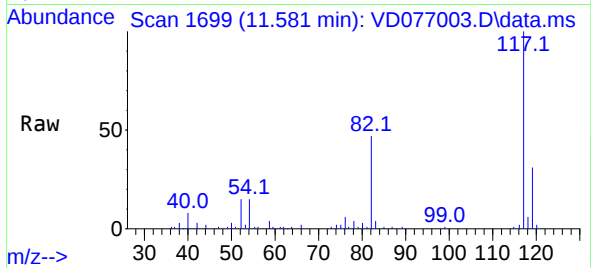




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 11
Delta R.T. 0.001 min
Lab File: VD077003.D
Acq: 14 Aug 2023 16:10

Instrument :
MSVOA_D
ClientSampleId :
VOC

Tgt Ion:117 Resp: 73015
Ion Ratio Lower Upper
117 100
82 46.9 38.3 57.5
119 31.3 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: VD077003.D
Acq: 14 Aug 2023 16:10

Tgt Ion:152 Resp: 33438
Ion Ratio Lower Upper
152 100
115 54.6 27.1 81.3
150 158.6 0.0 353.6

