

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020923\
 Data File : VD075296.D
 Acq On : 09 Feb 2023 16:03
 Operator : KP/SY
 Sample : 01481-13
 Misc : 5.96G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 JPP-48-020723

Quant Time: Feb 10 02:03:40 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D020723S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 08 04:26:58 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.881	168	68154	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	124131	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	123474	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	52942	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	38521	48.202	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	96.400%
35) Dibromofluoromethane	7.804	113	39327	45.183	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	90.360%
50) Toluene-d8	10.269	98	153310	46.445	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	92.900%
62) 4-Bromofluorobenzene	12.575	95	49864	45.813	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	91.620%

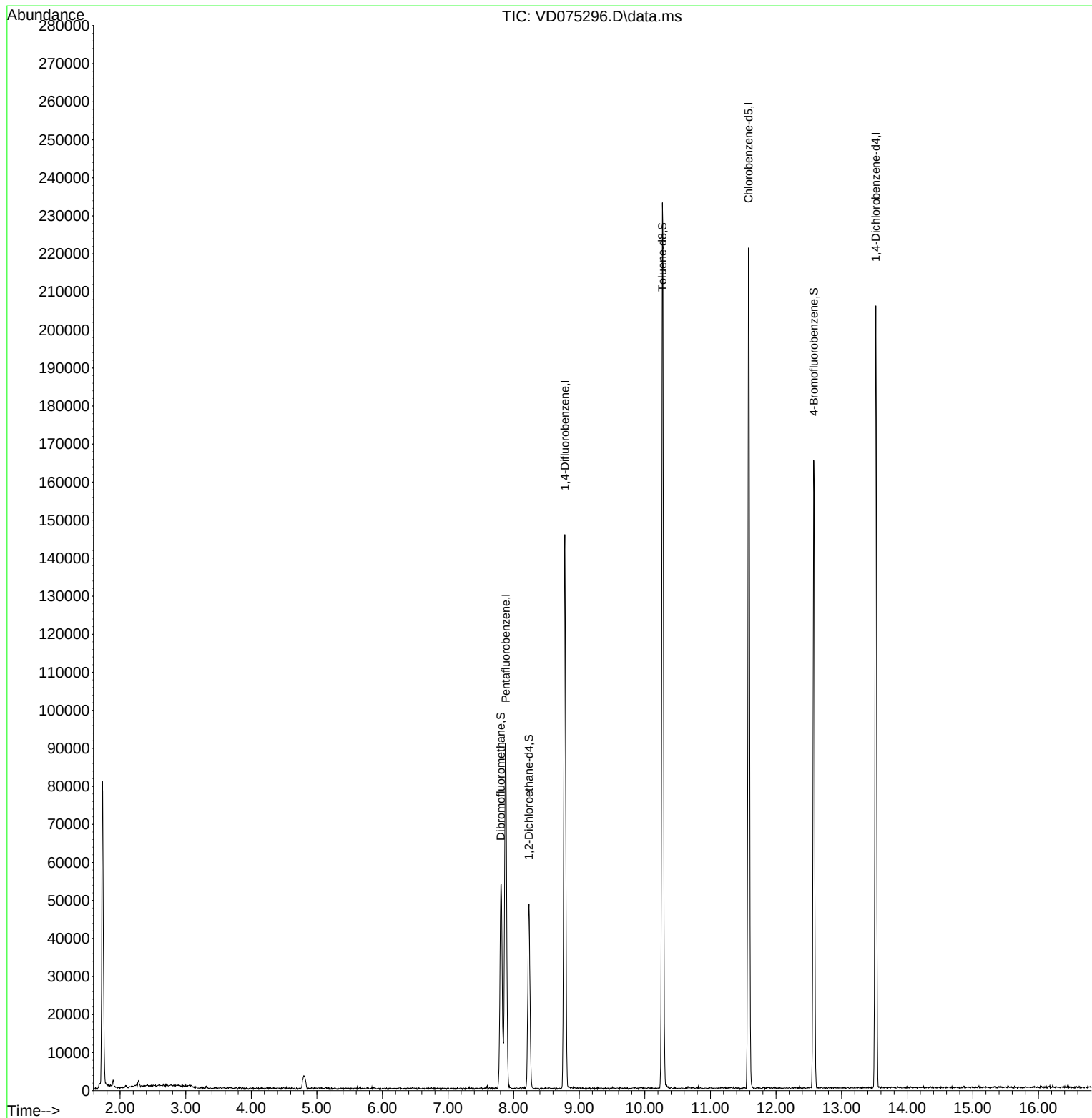
Target Compounds	Qvalue

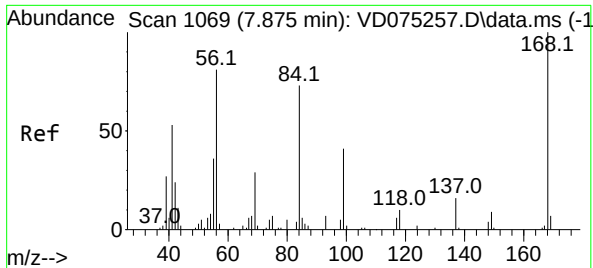
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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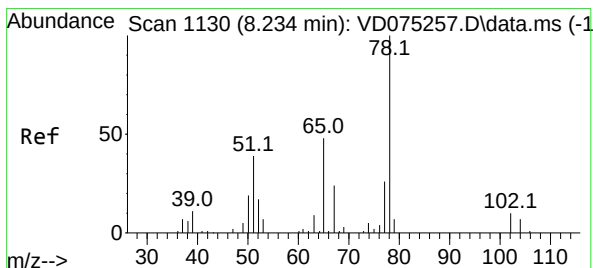
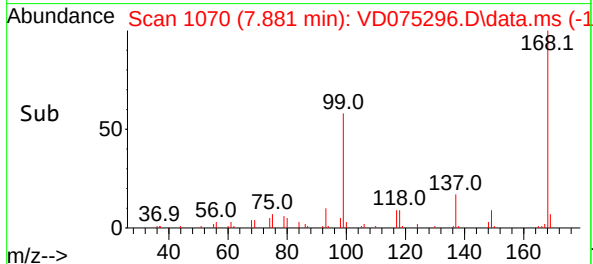
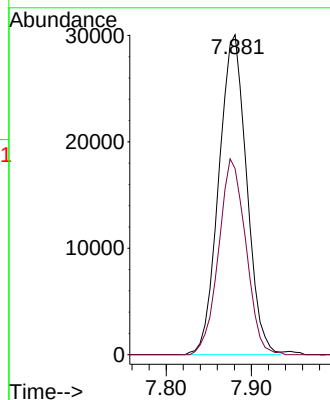
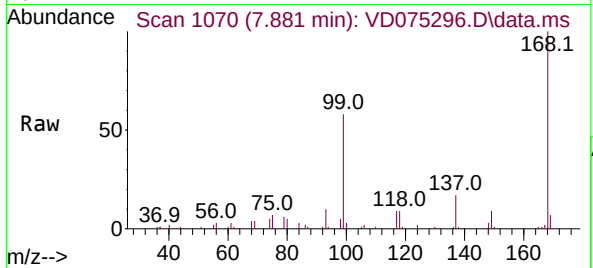




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.881 min Scan# 1069
Delta R.T. 0.006 min
Lab File: VD075296.D
Acq: 09 Feb 2023 16:03

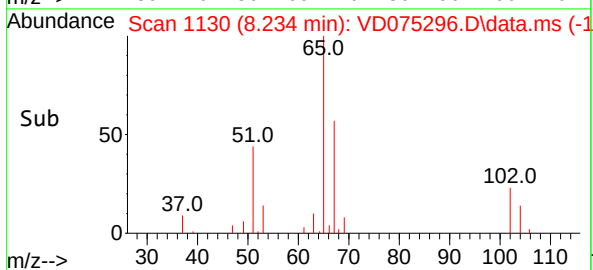
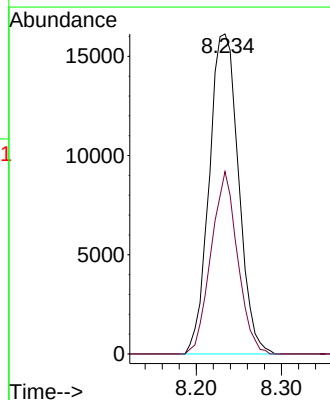
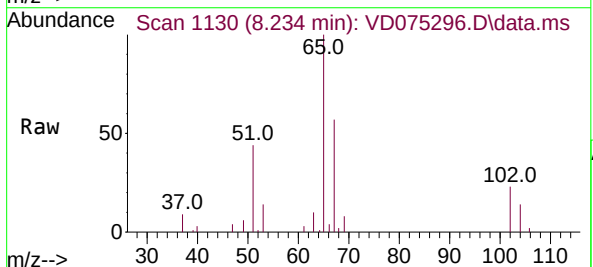
Instrument :
MSVOA_D
ClientSampleId :
JPP-48-020723

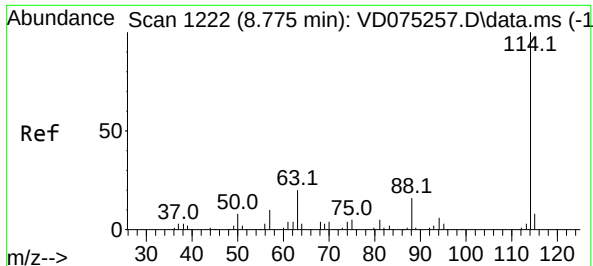
Tgt Ion:168 Resp: 68154
Ion Ratio Lower Upper
168 100
99 58.2 45.2 67.8



#33
1,2-Dichloroethane-d4
Concen: 48.202 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VD075296.D
Acq: 09 Feb 2023 16:03

Tgt Ion: 65 Resp: 38521
Ion Ratio Lower Upper
65 100
67 51.5 0.0 105.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 11

Delta R.T. 0.006 min

Lab File: VD075296.D

Acq: 09 Feb 2023 16:03

Instrument :

MSVOA_D

ClientSampleId :

JPP-48-020723

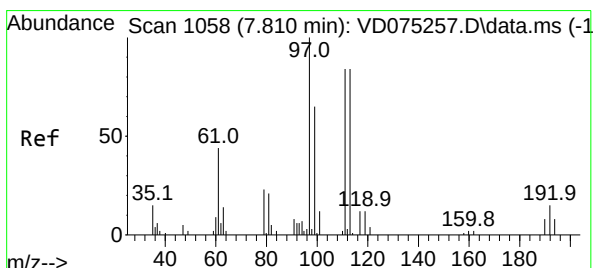
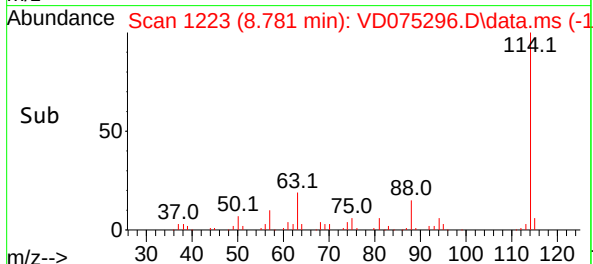
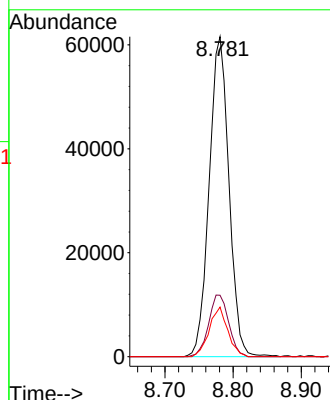
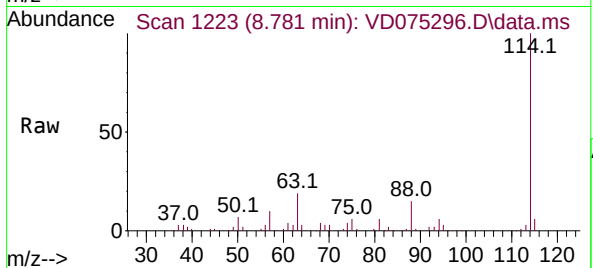
Tgt Ion:114 Resp: 124131

Ion Ratio Lower Upper

114 100

63 19.2 0.0 40.2

88 15.5 0.0 32.2



#35

Dibromofluoromethane

Concen: 45.183 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. -0.006 min

Lab File: VD075296.D

Acq: 09 Feb 2023 16:03

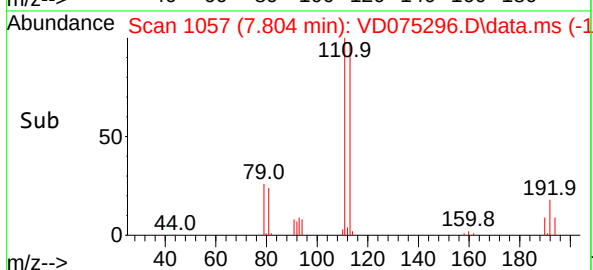
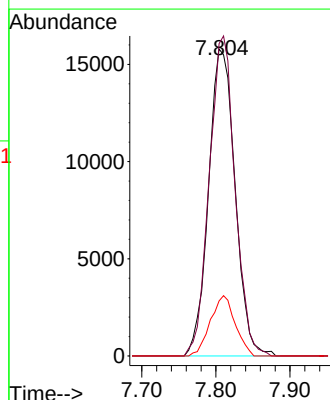
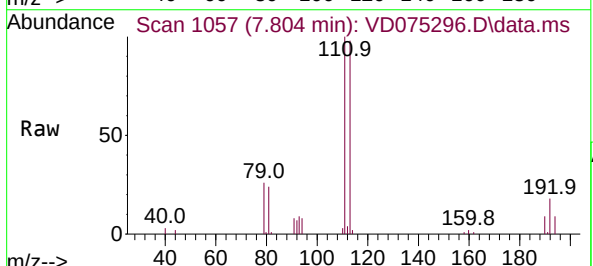
Tgt Ion:113 Resp: 39327

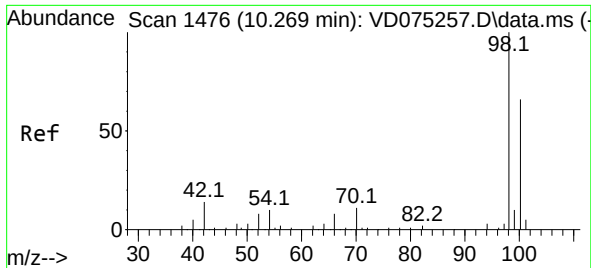
Ion Ratio Lower Upper

113 100

111 100.9 80.1 120.1

192 18.3 15.4 23.0

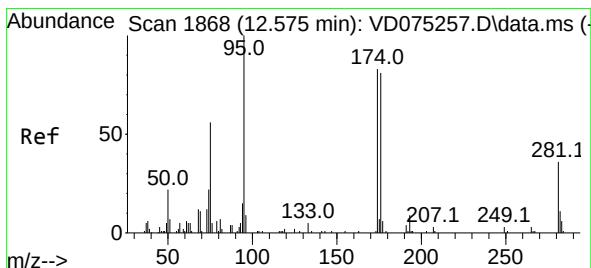
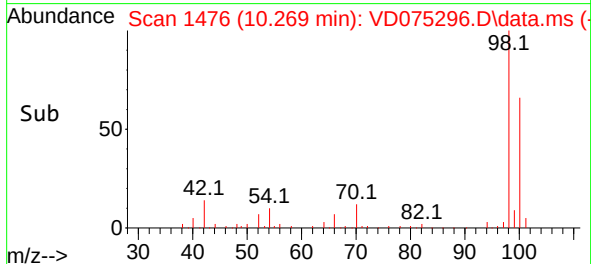
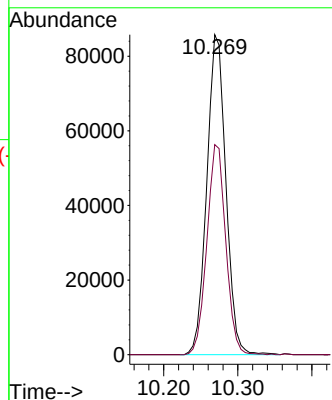
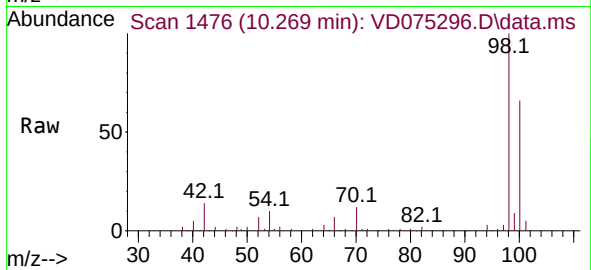




#50
Toluene-d8
Concen: 46.445 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VD075296.D
Acq: 09 Feb 2023 16:03

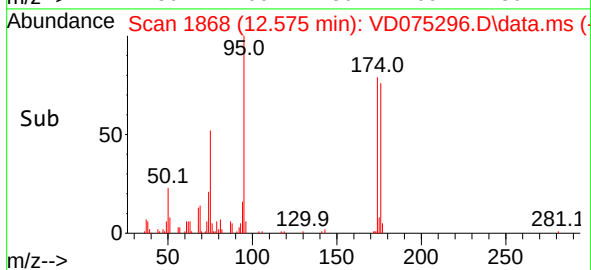
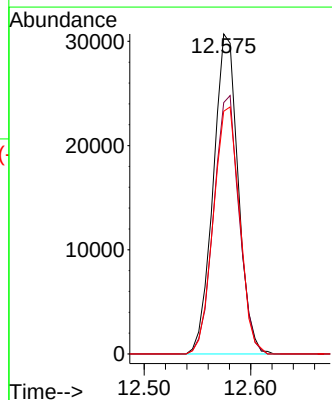
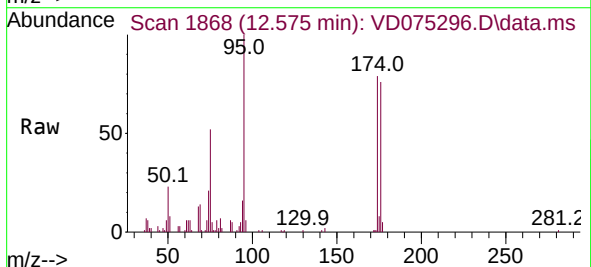
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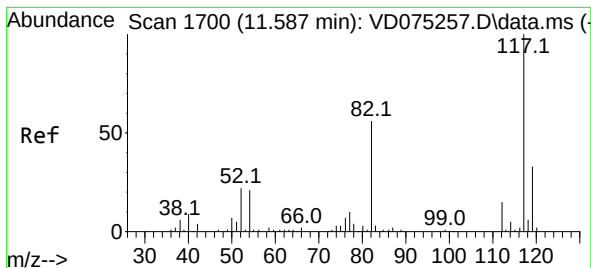
Tgt Ion: 98 Resp: 153310
Ion Ratio Lower Upper
98 100
100 65.0 52.7 79.1



#62
4-Bromofluorobenzene
Concen: 45.813 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD075296.D
Acq: 09 Feb 2023 16:03

Tgt Ion: 95 Resp: 49864
Ion Ratio Lower Upper
95 100
174 81.9 0.0 161.2
176 80.9 0.0 160.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.581 min Scan# 1

Delta R.T. -0.006 min

Lab File: VD075296.D

Acq: 09 Feb 2023 16:03

Instrument :

MSVOA_D

ClientSampleId :

JPP-48-020723

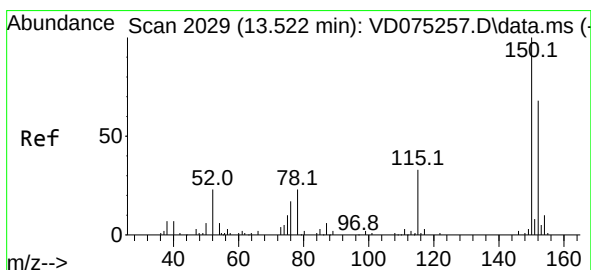
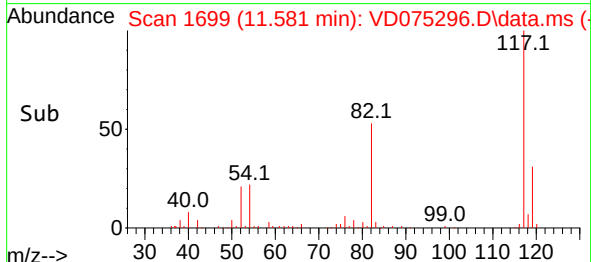
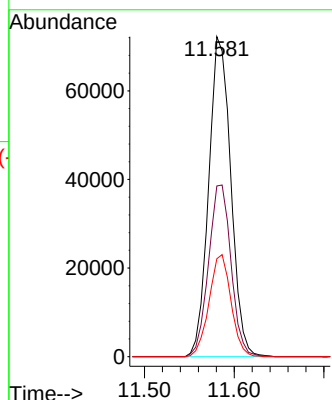
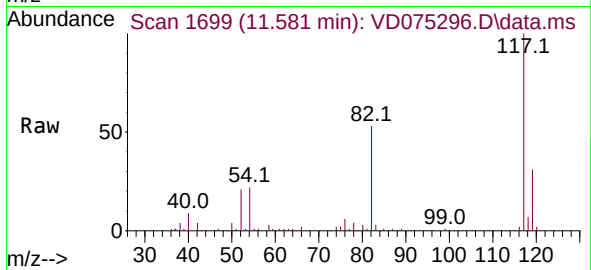
Tgt Ion:117 Resp: 123474

Ion Ratio Lower Upper

117 100

82 53.4 39.6 59.4

119 30.6 24.6 37.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.522 min Scan# 2029

Delta R.T. -0.000 min

Lab File: VD075296.D

Acq: 09 Feb 2023 16:03

Tgt Ion:152 Resp: 52942

Ion Ratio Lower Upper

152 100

115 59.0 28.8 86.4

150 157.2 0.0 348.6

