

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD053123\
 Data File : VD076287.D
 Acq On : 31 May 2023 15:39
 Operator : KP/SY
 Sample : 02971-01
 Misc : 5.08G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB16

Quant Time: May 31 16:08:06 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051523S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 16 10:08:53 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.881	168	2951	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.775	114	5749	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	5767	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	2382	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.222	65	2667	93.511	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 187.020%#	
35) Dibromofluoromethane	7.799	113	3124	78.615	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 157.220%#	
50) Toluene-d8	10.269	98	5891	38.029	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 76.060%	
62) 4-Bromofluorobenzene	12.575	95	2425	56.354	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 112.700%	

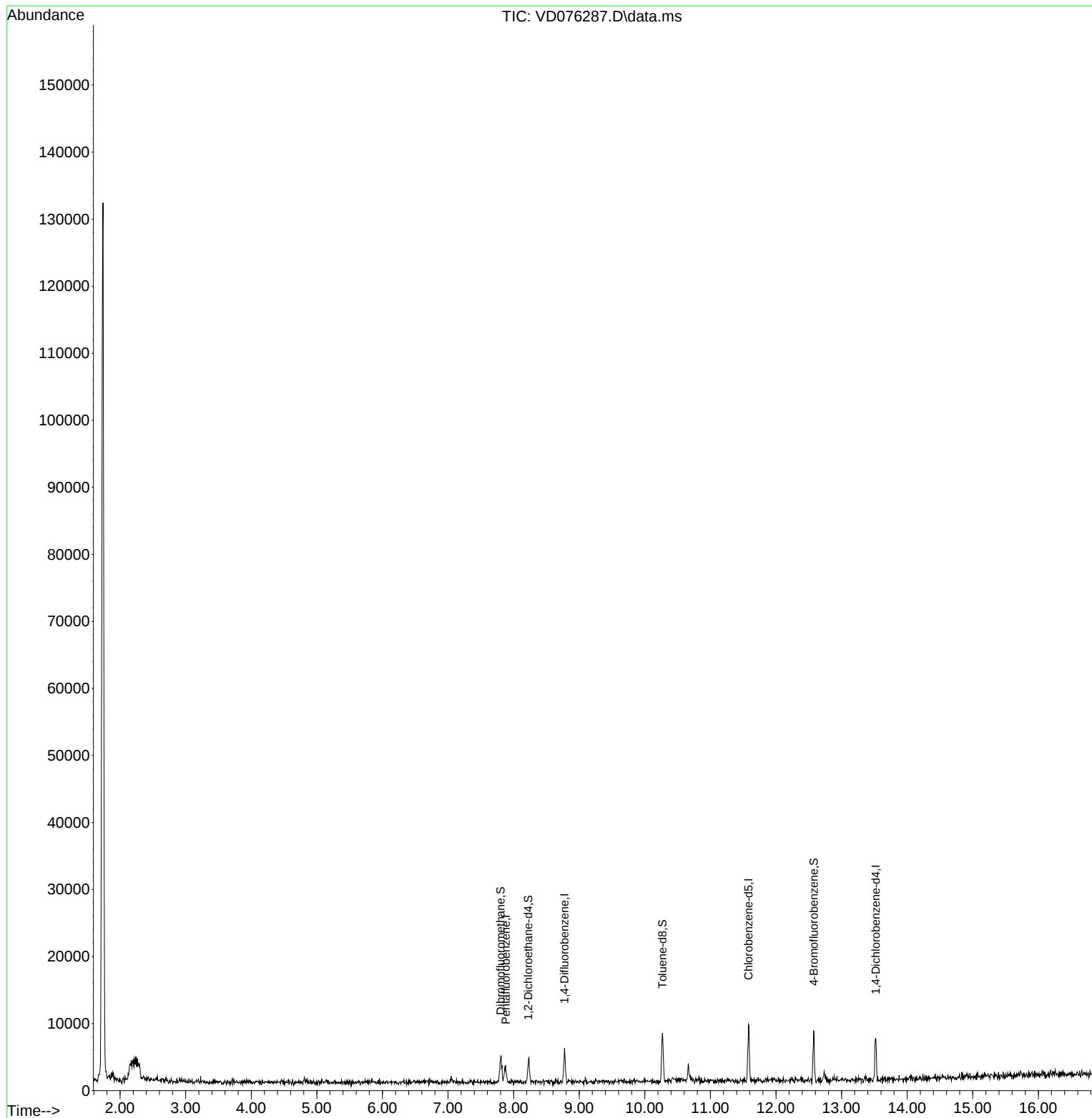
Target Compounds	Qvalue

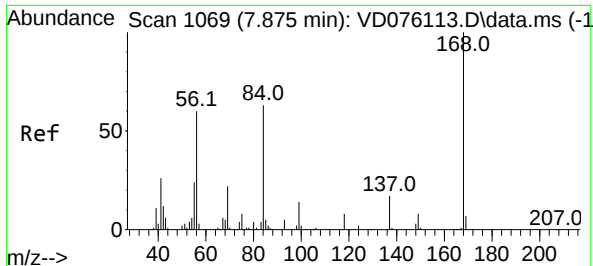
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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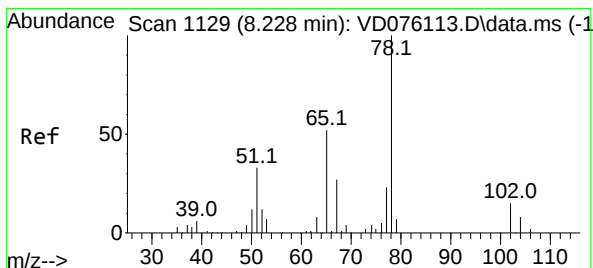
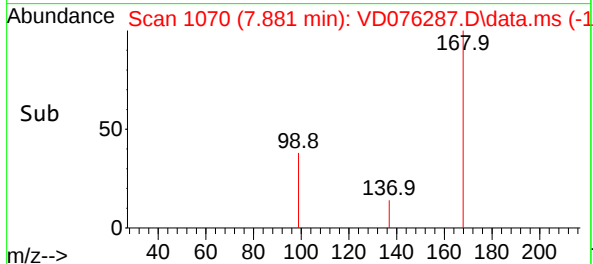
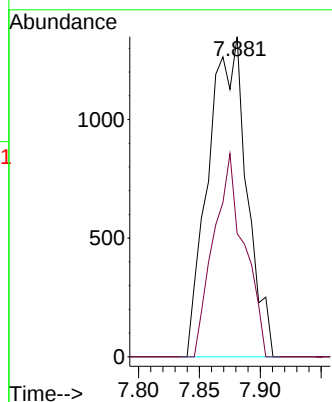
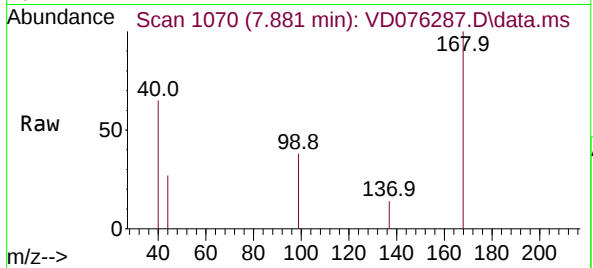




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.881 min Scan# 1069
Delta R.T. 0.006 min
Lab File: VD076287.D
Acq: 31 May 2023 15:39

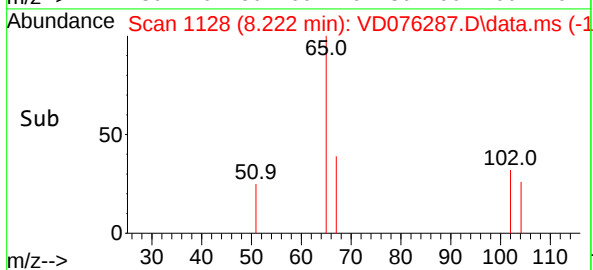
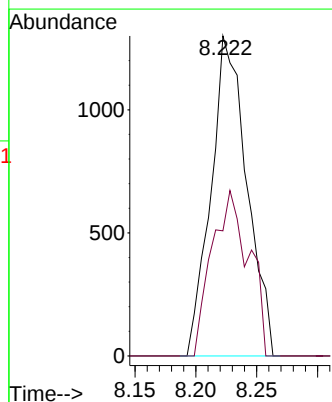
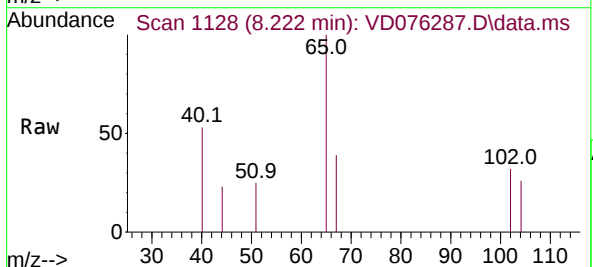
Instrument :
MSVOA_D
ClientSampleId :
SB16

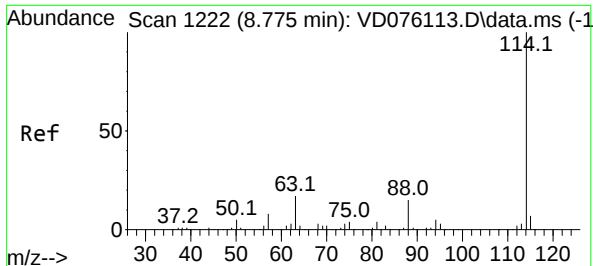
Tgt Ion:168 Resp: 2951
Ion Ratio Lower Upper
168 100
99 38.5 43.8 65.6#



#33
1,2-Dichloroethane-d4
Concen: 93.511 ug/l
RT: 8.222 min Scan# 1128
Delta R.T. -0.012 min
Lab File: VD076287.D
Acq: 31 May 2023 15:39

Tgt Ion: 65 Resp: 2667
Ion Ratio Lower Upper
65 100
67 53.2 0.0 102.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 11

Delta R.T. 0.000 min

Lab File: VD076287.D

Acq: 31 May 2023 15:39

Instrument :

MSVOA_D

ClientSampleId :

SB16

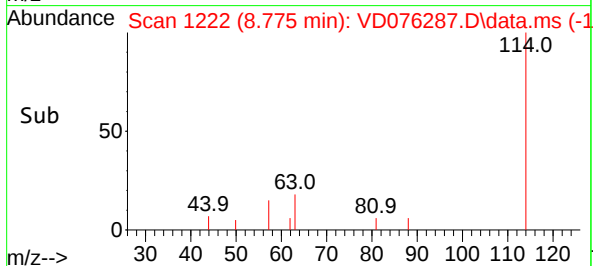
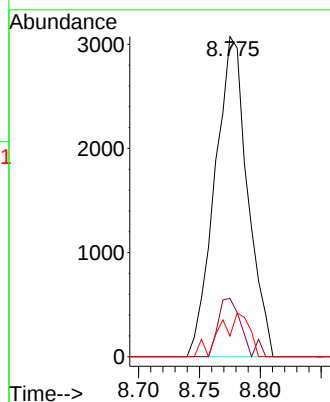
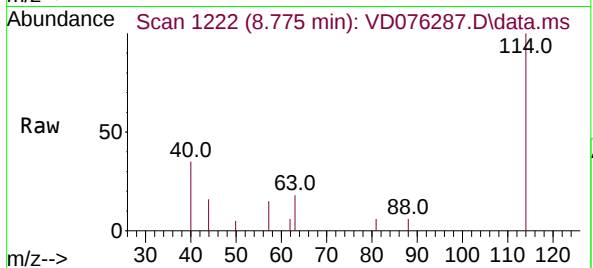
Tgt Ion:114 Resp: 5749

Ion Ratio Lower Upper

114 100

63 18.2 0.0 41.6

88 6.4 0.0 30.6



#35

Dibromofluoromethane

Concen: 78.615 ug/l

RT: 7.799 min Scan# 1056

Delta R.T. -0.006 min

Lab File: VD076287.D

Acq: 31 May 2023 15:39

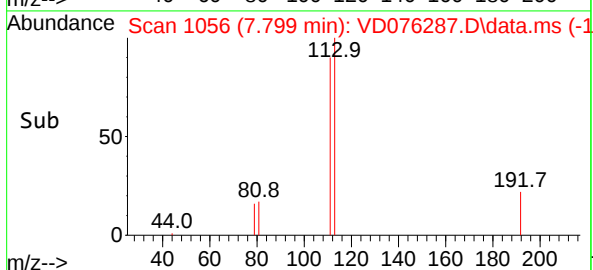
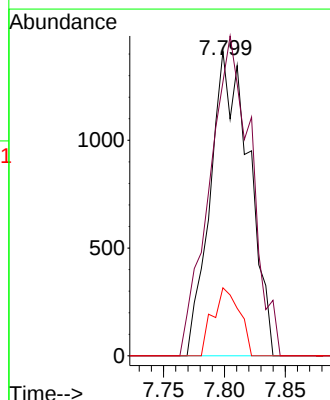
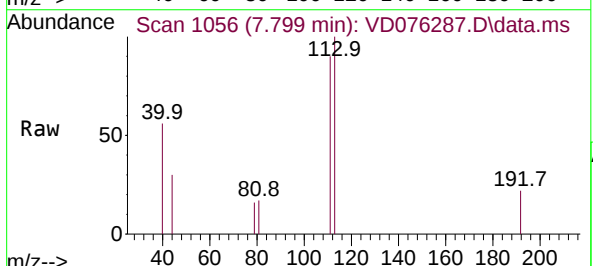
Tgt Ion:113 Resp: 3124

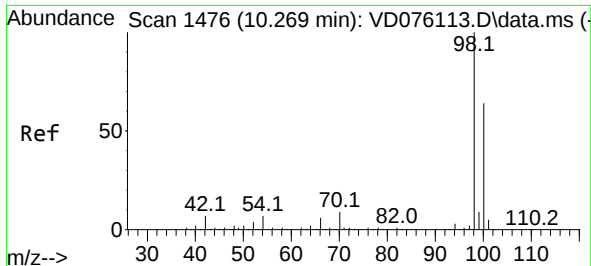
Ion Ratio Lower Upper

113 100

111 112.6 81.4 122.0

192 15.4 15.2 22.8

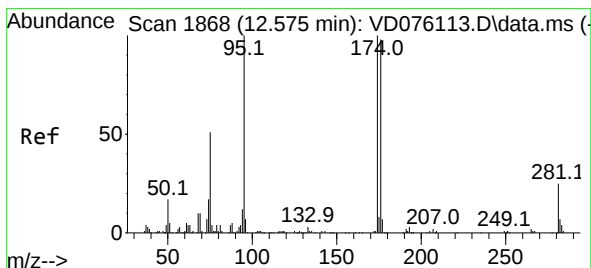
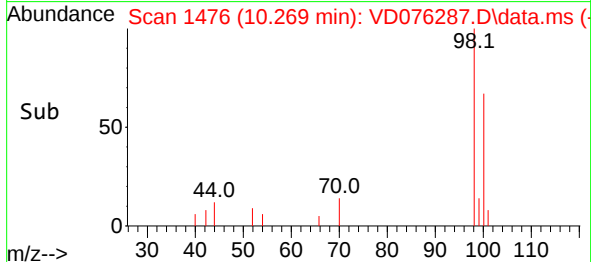
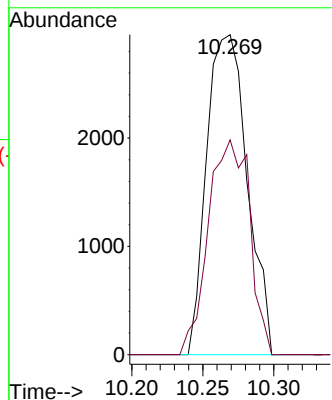
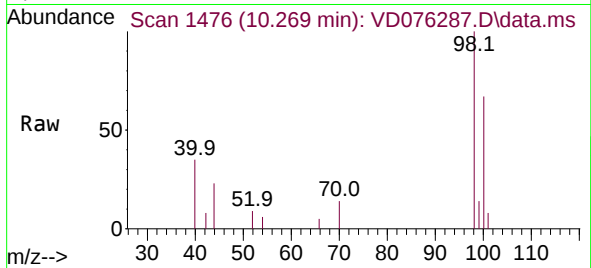




#50
Toluene-d8
Concen: 38.029 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD076287.D
Acq: 31 May 2023 15:39

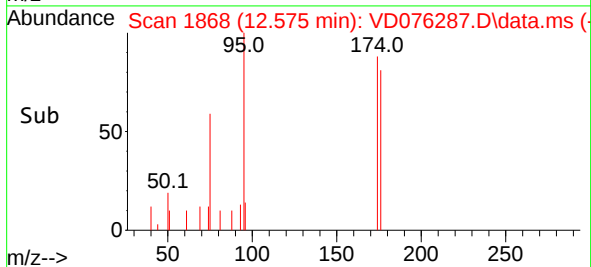
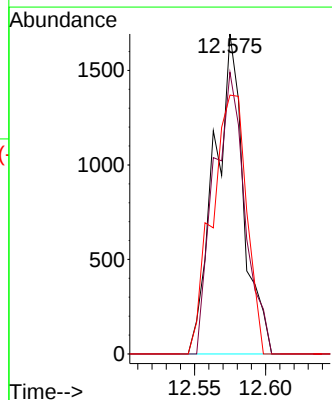
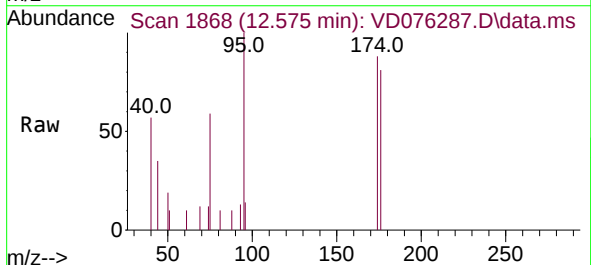
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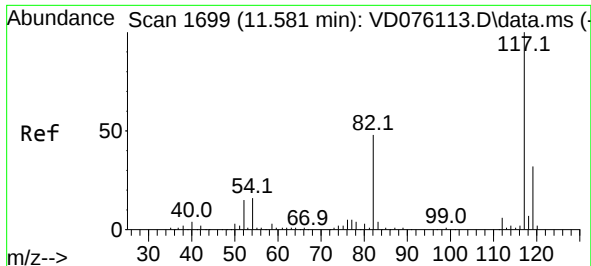
Tgt Ion: 98 Resp: 5891
Ion Ratio Lower Upper
98 100
100 68.2 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 56.354 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD076287.D
Acq: 31 May 2023 15:39

Tgt Ion: 95 Resp: 2425
Ion Ratio Lower Upper
95 100
174 93.6 0.0 164.0
176 95.6 0.0 156.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.581 min Scan# 1

Delta R.T. -0.000 min

Lab File: VD076287.D

Acq: 31 May 2023 15:39

Instrument :

MSVOA_D

ClientSampleId :

SB16

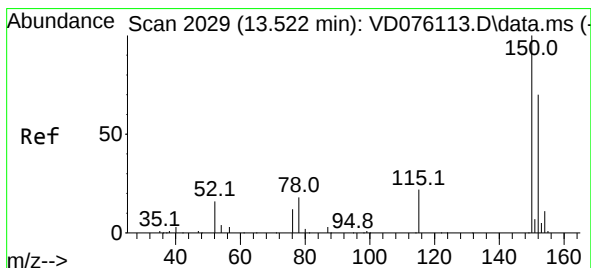
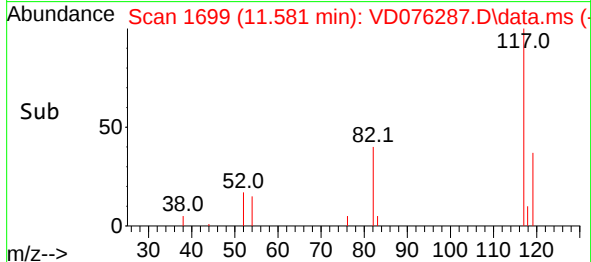
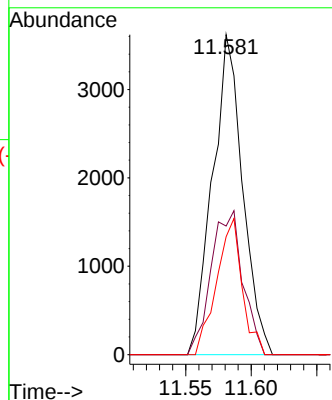
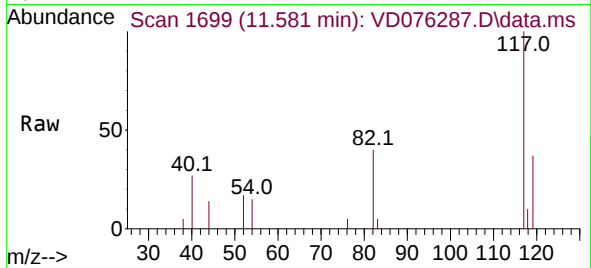
Tgt Ion:117 Resp: 5767

Ion Ratio Lower Upper

117 100

82 40.2 44.0 66.0#

119 36.9 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: VD076287.D

Acq: 31 May 2023 15:39

Tgt Ion:152 Resp: 2382

Ion Ratio Lower Upper

152 100

115 49.9 30.1 90.3

150 151.8 0.0 364.8

