

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052523\
 Data File : VD076235.D
 Acq On : 25 May 2023 16:10
 Operator : KP/SY
 Sample : 02892-13RE
 Misc : 5.49G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-29RE

Quant Time: May 25 17:12:59 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	7.875	168	35967	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	75055	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	83166	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	28155	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	33656	96.821	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	193.640%#
35) Dibromofluoromethane	7.798	113	34730	66.944	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	133.880%
50) Toluene-d8	10.269	98	76915	38.032	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	76.060%
62) 4-Bromofluorobenzene	12.575	95	31697	56.421	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	112.840%

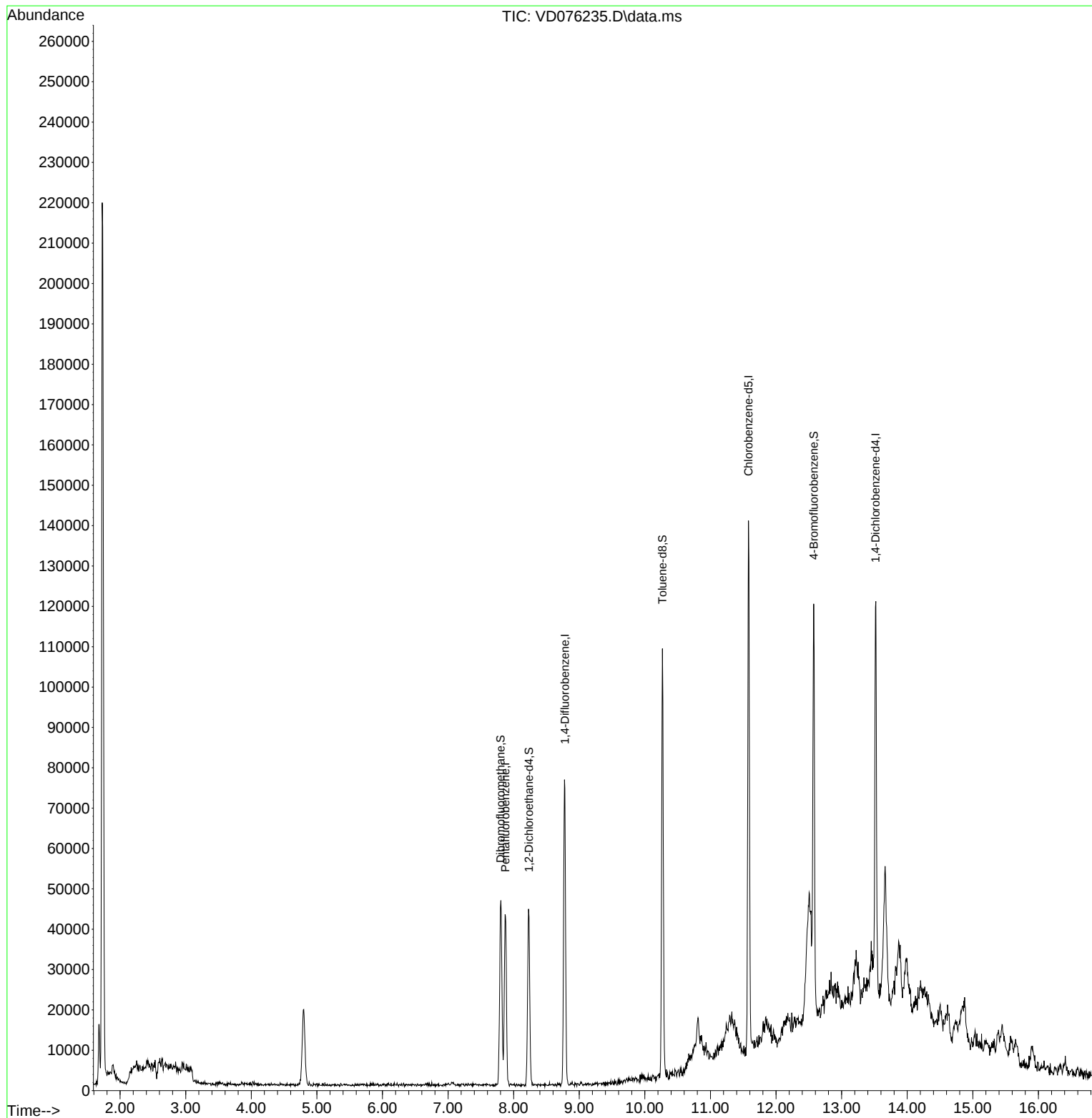
Target Compounds	Qvalue

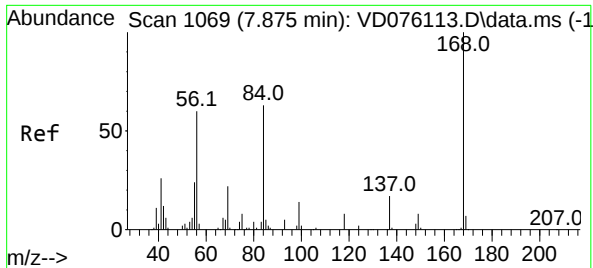
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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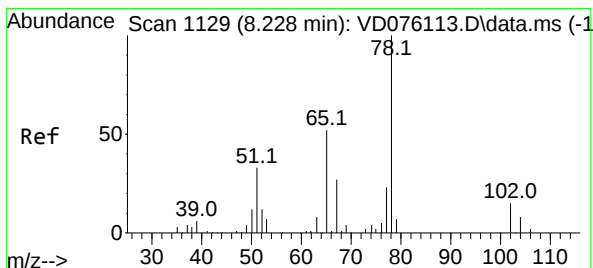
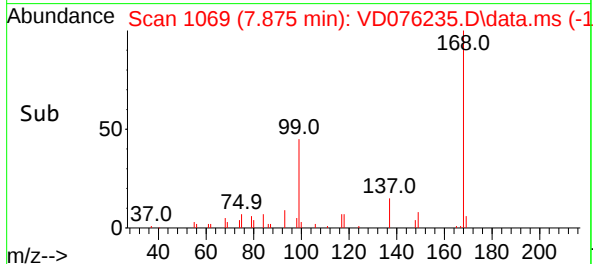
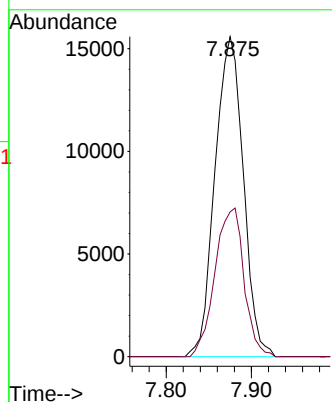
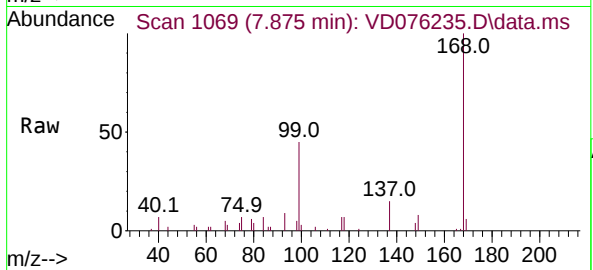




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VD076235.D
Acq: 25 May 2023 16:10

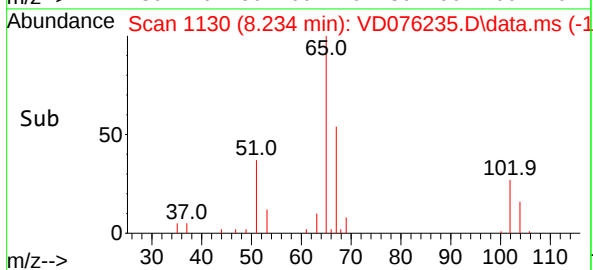
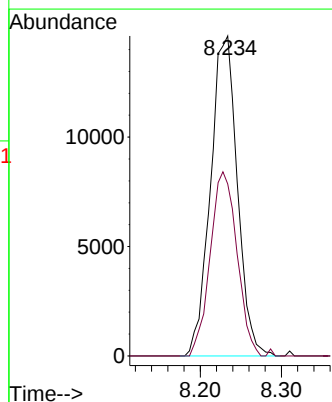
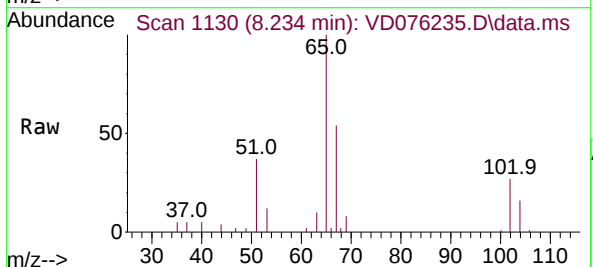
Instrument :
MSVOA_D
ClientSampleId :
TP-29RE

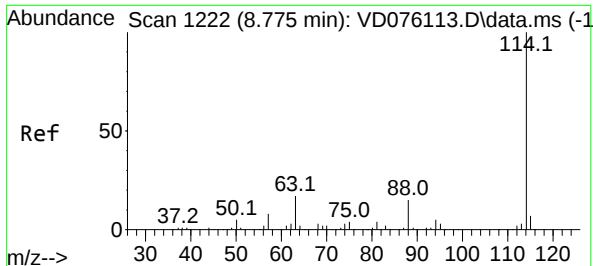
Tgt Ion:168 Resp: 35967
Ion Ratio Lower Upper
168 100
99 45.3 43.8 65.6



#33
1,2-Dichloroethane-d4
Concen: 96.821 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VD076235.D
Acq: 25 May 2023 16:10

Tgt Ion: 65 Resp: 33656
Ion Ratio Lower Upper
65 100
67 57.3 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: VD076235.D

Acq: 25 May 2023 16:10

Instrument :

MSVOA_D

ClientSampleId :

TP-29RE

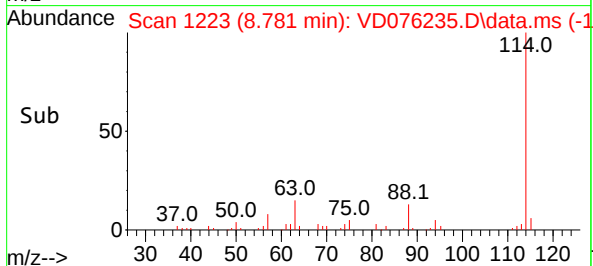
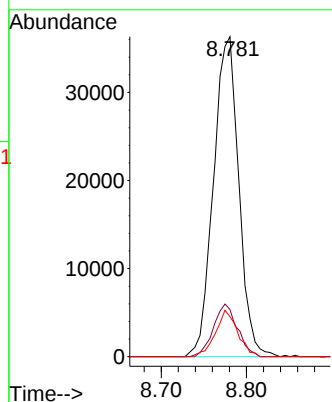
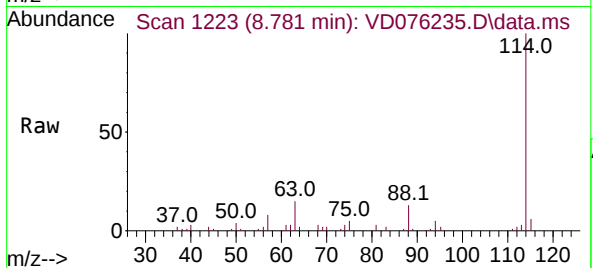
Tgt Ion:114 Resp: 75055

Ion Ratio Lower Upper

114 100

63 14.8 0.0 41.6

88 12.5 0.0 30.6



#35

Dibromofluoromethane

Concen: 66.944 ug/l

RT: 7.798 min Scan# 1056

Delta R.T. -0.007 min

Lab File: VD076235.D

Acq: 25 May 2023 16:10

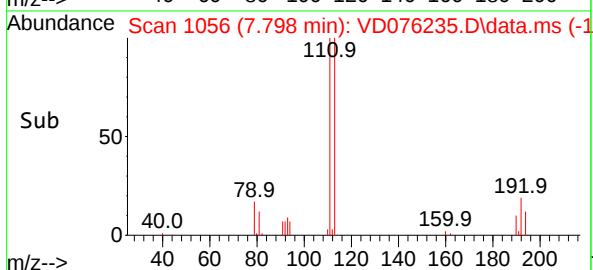
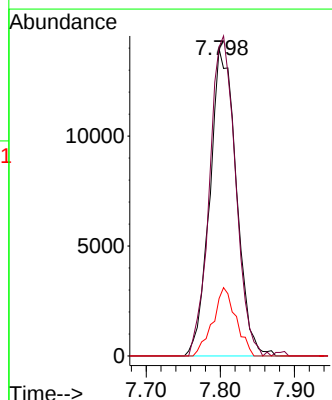
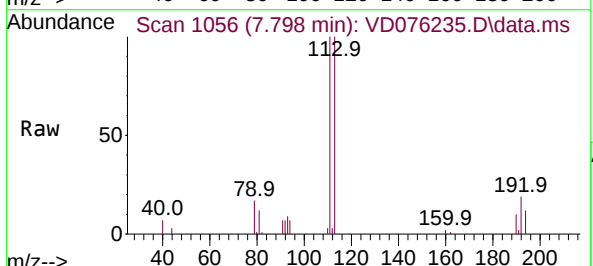
Tgt Ion:113 Resp: 34730

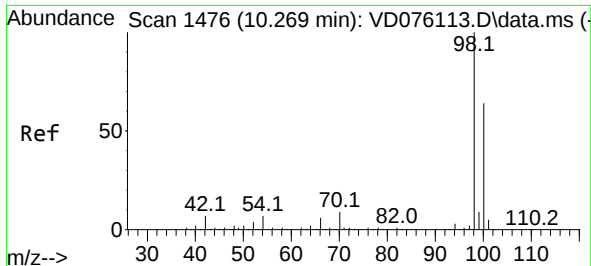
Ion Ratio Lower Upper

113 100

111 102.0 81.4 122.0

192 19.4 15.2 22.8

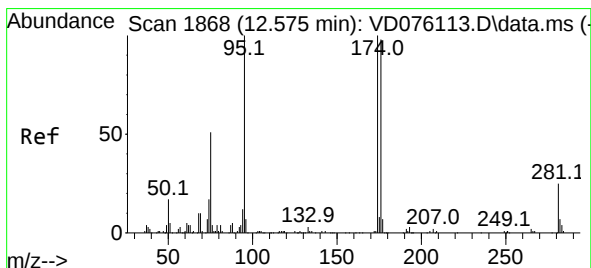
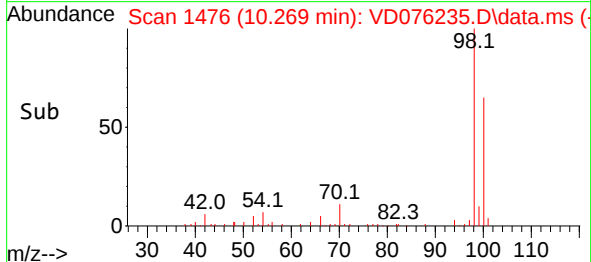
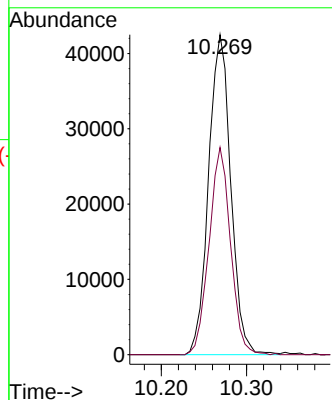
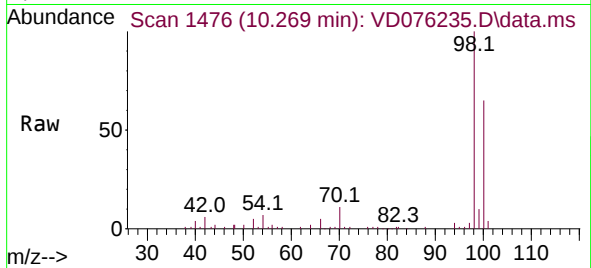




#50
Toluene-d8
Concen: 38.032 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VD076235.D
Acq: 25 May 2023 16:10

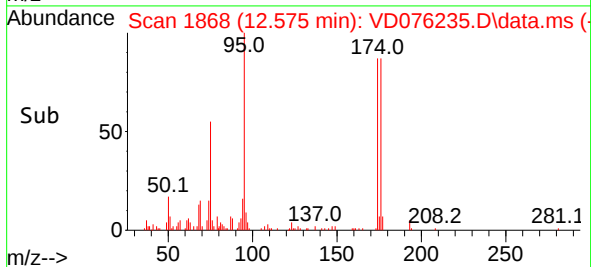
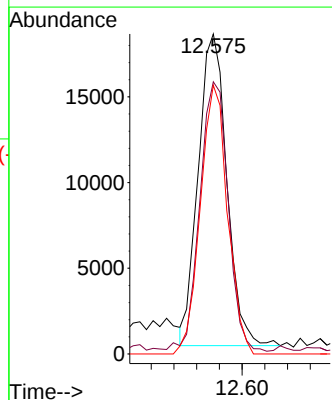
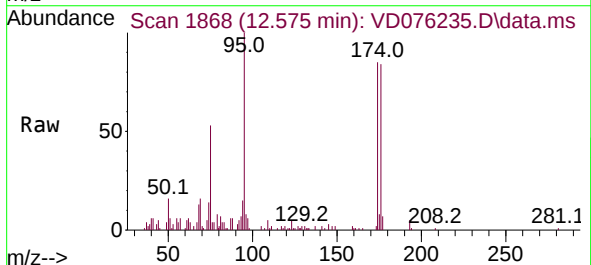
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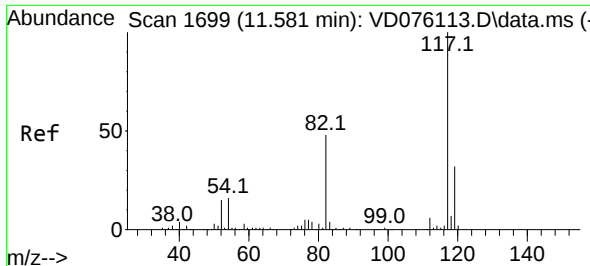
Tgt Ion: 98 Resp: 76915
Ion Ratio Lower Upper
98 100
100 62.7 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 56.421 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD076235.D
Acq: 25 May 2023 16:10

Tgt Ion: 95 Resp: 31697
Ion Ratio Lower Upper
95 100
174 85.6 0.0 164.0
176 82.2 0.0 156.8

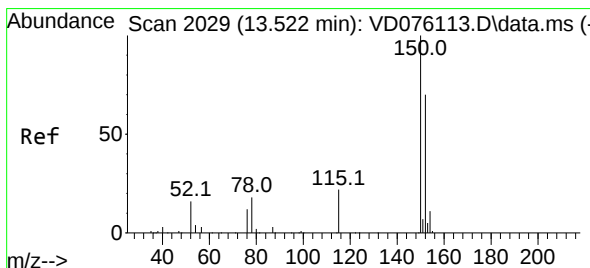
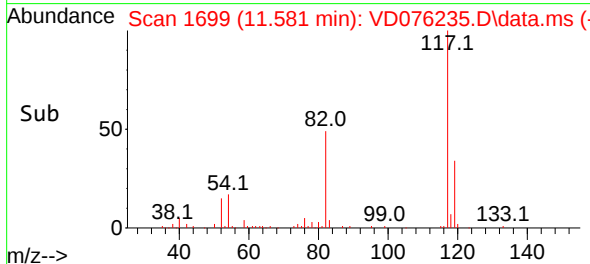
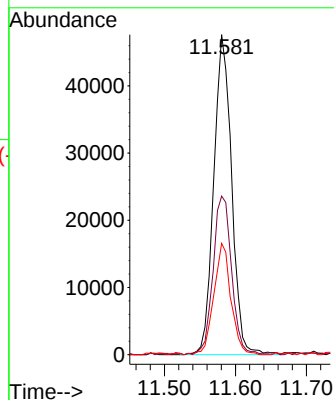
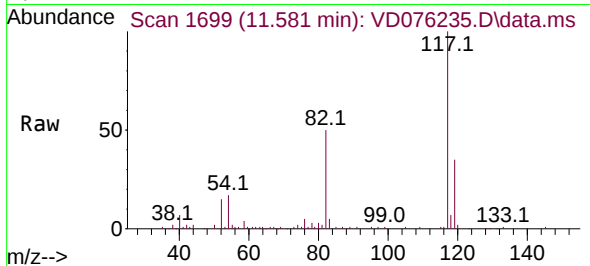




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD076235.D
Acq: 25 May 2023 16:10

Instrument :
MSVOA_D
ClientSampleId :
TP-29RE

Tgt Ion:117 Resp: 83166
Ion Ratio Lower Upper
117 100
82 49.5 44.0 66.0
119 34.4 25.1 37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. -0.006 min
Lab File: VD076235.D
Acq: 25 May 2023 16:10

Tgt Ion:152 Resp: 28155
Ion Ratio Lower Upper
152 100
115 59.9 30.1 90.3
150 152.2 0.0 364.8

