

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062223\
 Data File : VD076540.D
 Acq On : 22 Jun 2023 15:44
 Operator : KP/SY
 Sample : 03360-05
 Misc : 5.26G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 CE-88N-062023

Quant Time: Jun 23 06:36:35 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D061623S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 19 04:51:45 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	157528	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	284148	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	255999	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	112419	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	111713	70.781	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	141.560%
35) Dibromofluoromethane	7.804	113	116414	68.964	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	137.920%
50) Toluene-d8	10.269	98	423732	66.190	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	132.380%
62) 4-Bromofluorobenzene	12.575	95	124506	59.926	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	119.860%

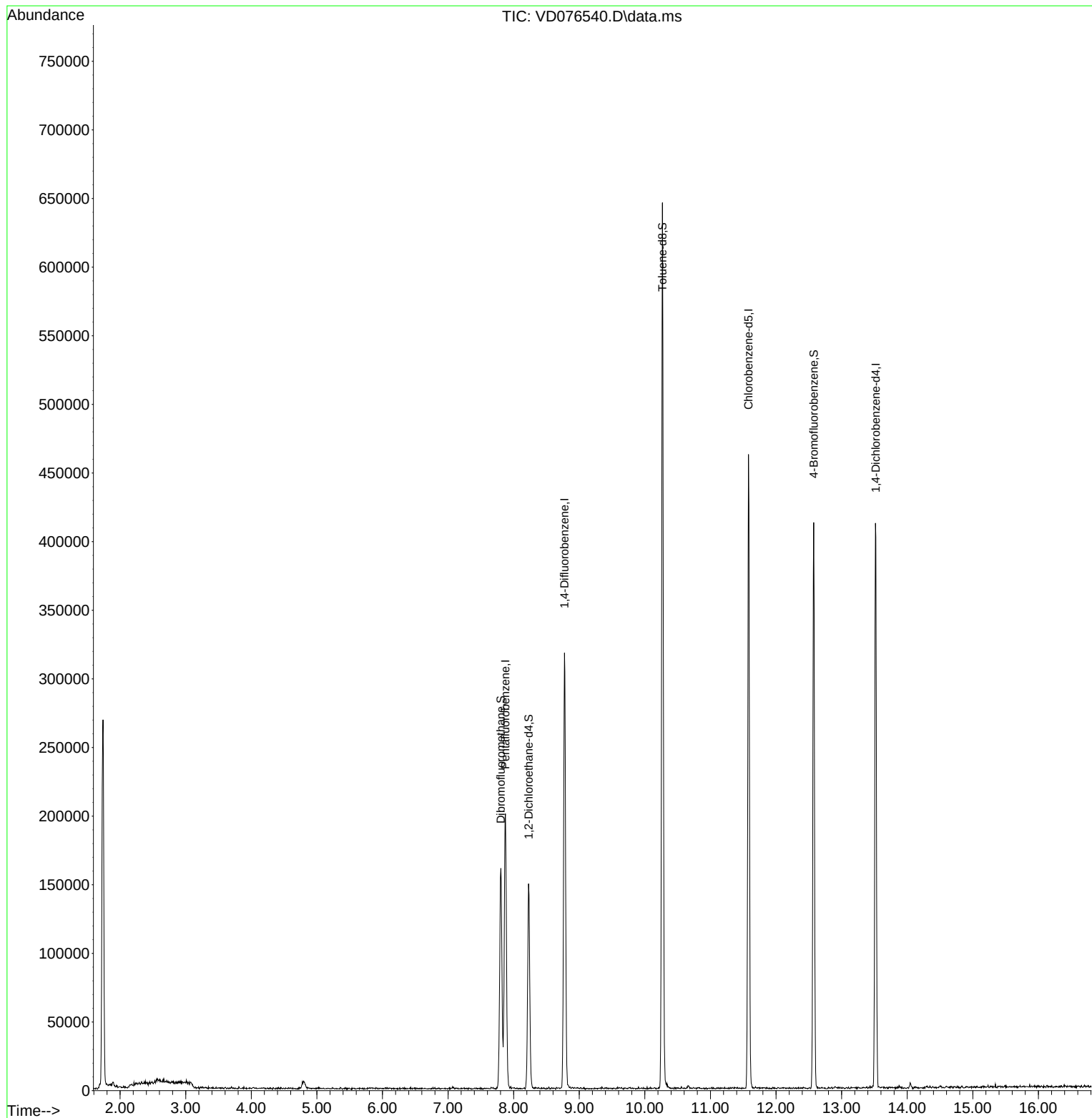
Target Compounds	Qvalue

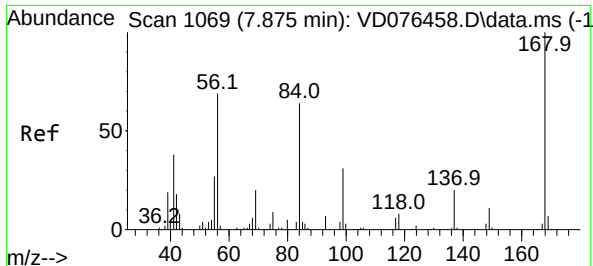
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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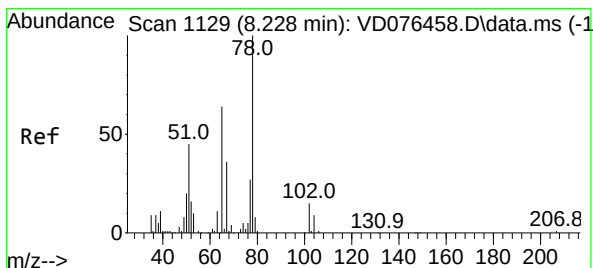
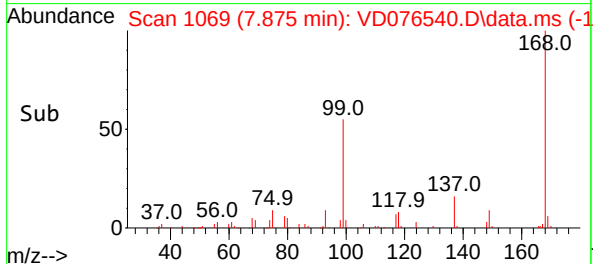
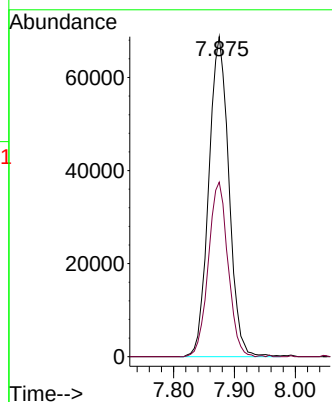
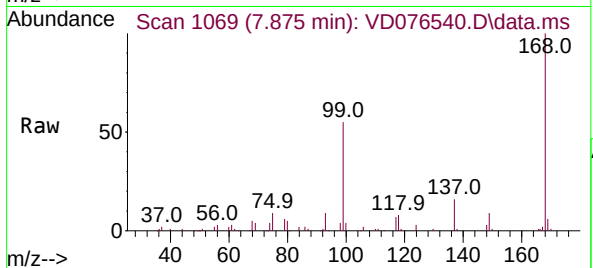




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD076540.D
Acq: 22 Jun 2023 15:44

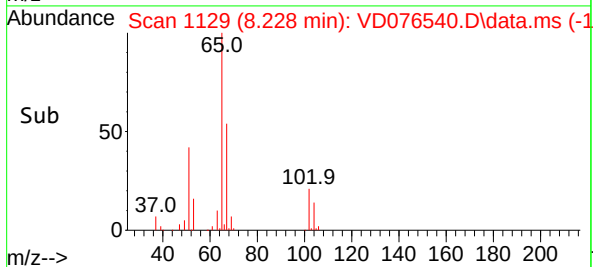
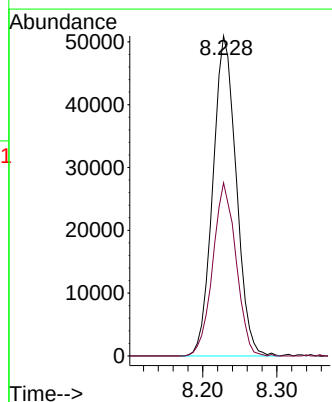
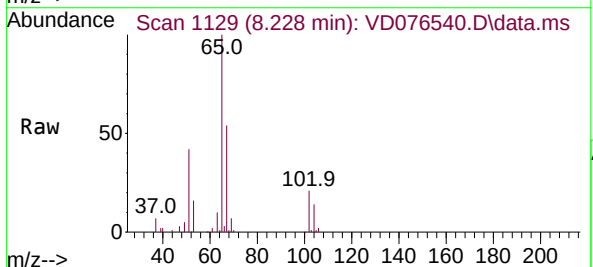
Instrument :
MSVOA_D
ClientSampleId :
CE-88N-062023

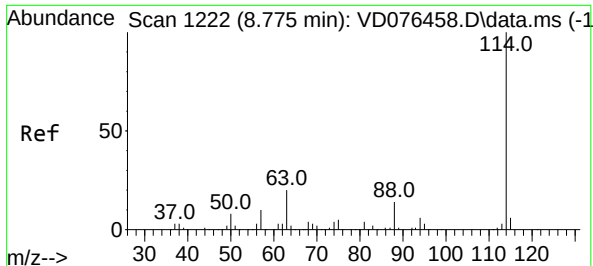
Tgt Ion:168 Resp: 157528
Ion Ratio Lower Upper
168 100
99 54.5 36.7 55.1



#33
1,2-Dichloroethane-d4
Concen: 70.781 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. -0.000 min
Lab File: VD076540.D
Acq: 22 Jun 2023 15:44

Tgt Ion: 65 Resp: 111713
Ion Ratio Lower Upper
65 100
67 53.7 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: VD076540.D

Acq: 22 Jun 2023 15:44

Instrument :

MSVOA_D

ClientSampleId :

CE-88N-062023

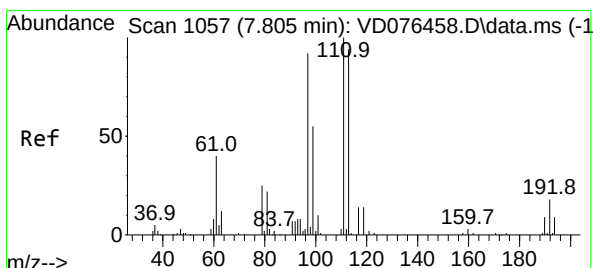
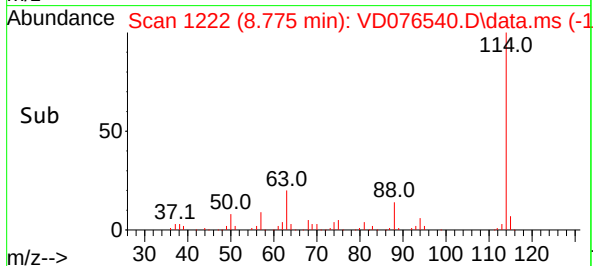
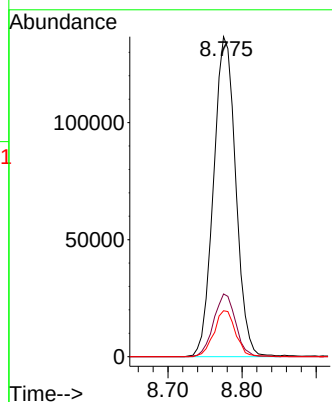
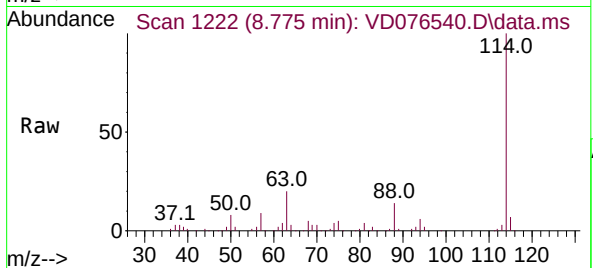
Tgt Ion:114 Resp: 284148

Ion Ratio Lower Upper

114 100

63 19.6 0.0 33.4

88 14.3 0.0 26.2



#35

Dibromofluoromethane

Concen: 68.964 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VD076540.D

Acq: 22 Jun 2023 15:44

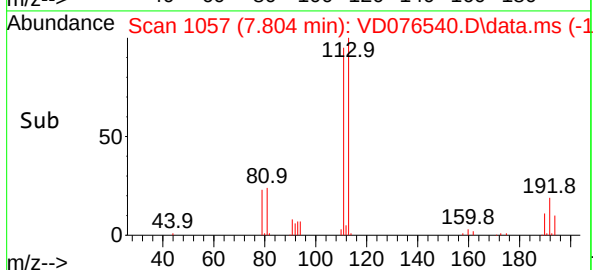
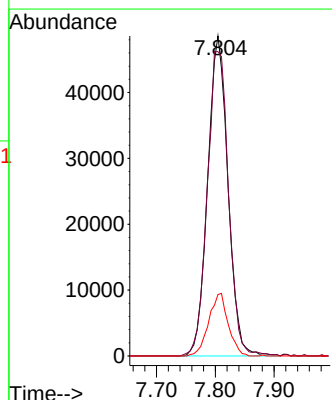
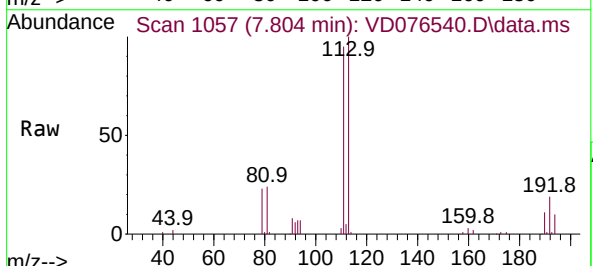
Tgt Ion:113 Resp: 116414

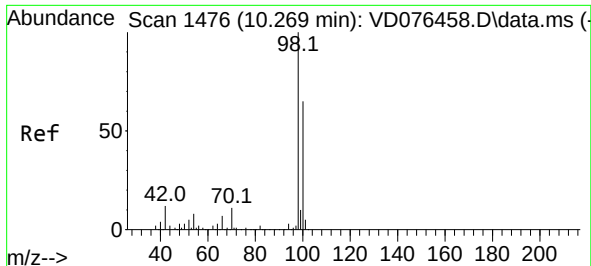
Ion Ratio Lower Upper

113 100

111 100.4 84.7 127.1

192 18.8 16.8 25.2

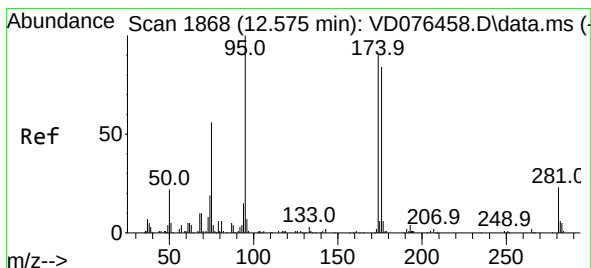
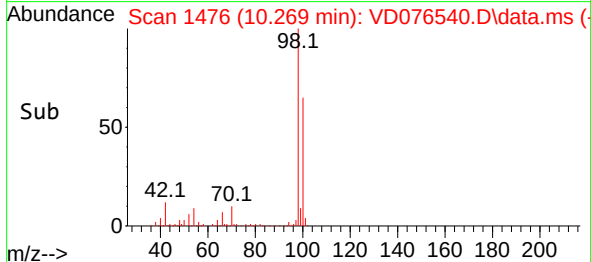
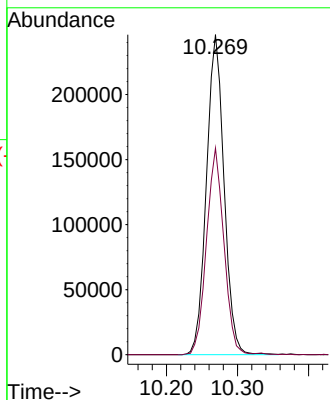
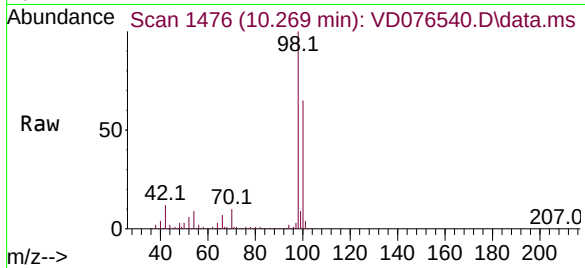




#50
Toluene-d8
Concen: 66.190 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VD076540.D
Acq: 22 Jun 2023 15:44

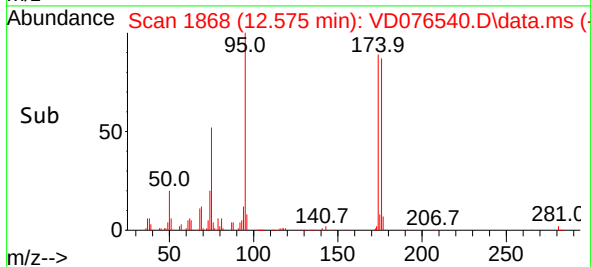
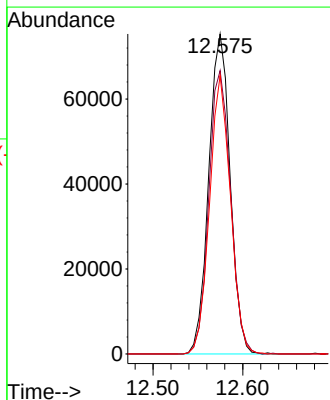
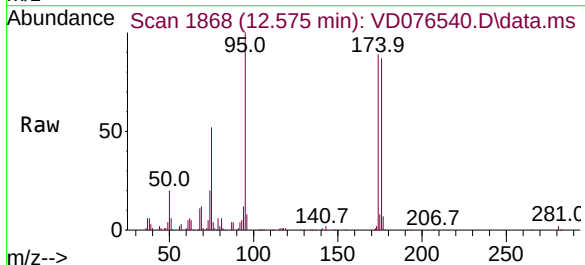
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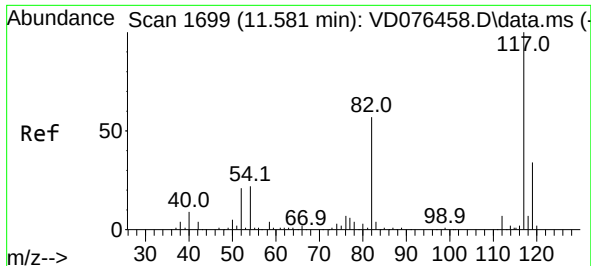
Tgt Ion: 98 Resp: 423732
Ion Ratio Lower Upper
98 100
100 63.8 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 59.926 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD076540.D
Acq: 22 Jun 2023 15:44

Tgt Ion: 95 Resp: 124506
Ion Ratio Lower Upper
95 100
174 90.2 0.0 201.8
176 85.1 0.0 191.8

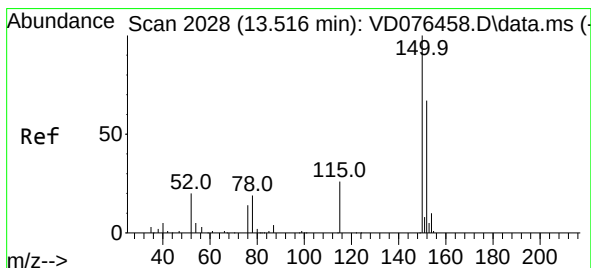
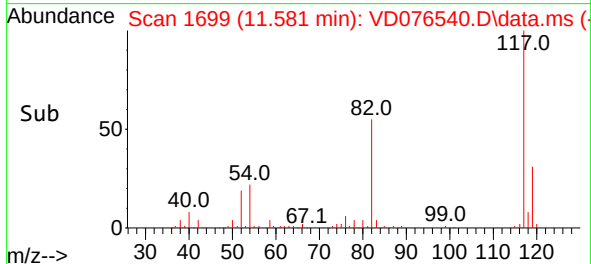
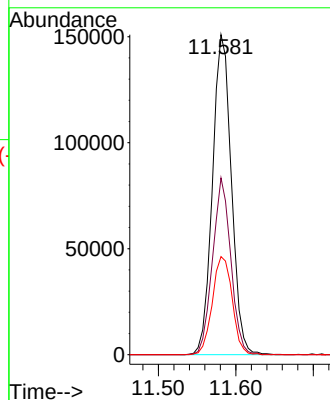
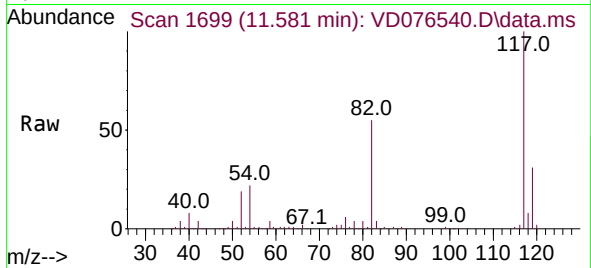




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD076540.D
Acq: 22 Jun 2023 15:44

Instrument :
MSVOA_D
ClientSampleId :
CE-88N-062023

Tgt Ion:117 Resp: 255999
Ion Ratio Lower Upper
117 100
82 55.2 38.3 57.5
119 30.6 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: VD076540.D
Acq: 22 Jun 2023 15:44

Tgt Ion:152 Resp: 112419
Ion Ratio Lower Upper
152 100
115 54.9 27.1 81.3
150 157.9 0.0 353.6

