

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD101923\
 Data File : VD077353.D
 Acq On : 19 Oct 2023 14:34
 Operator : JC/SY
 Sample : 04935-01
 Misc : 5.10G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 OK-01-10172023

Quant Time: Oct 20 02:07:33 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101723S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 18 03:02:43 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	131788	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	238577	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	200832	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	85672	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	72149	61.310	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	122.620%
35) Dibromofluoromethane	7.804	113	83290	49.693	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.380%
50) Toluene-d8	10.269	98	242476	40.395	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	80.780%
62) 4-Bromofluorobenzene	12.575	95	53117	30.740	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	61.480%

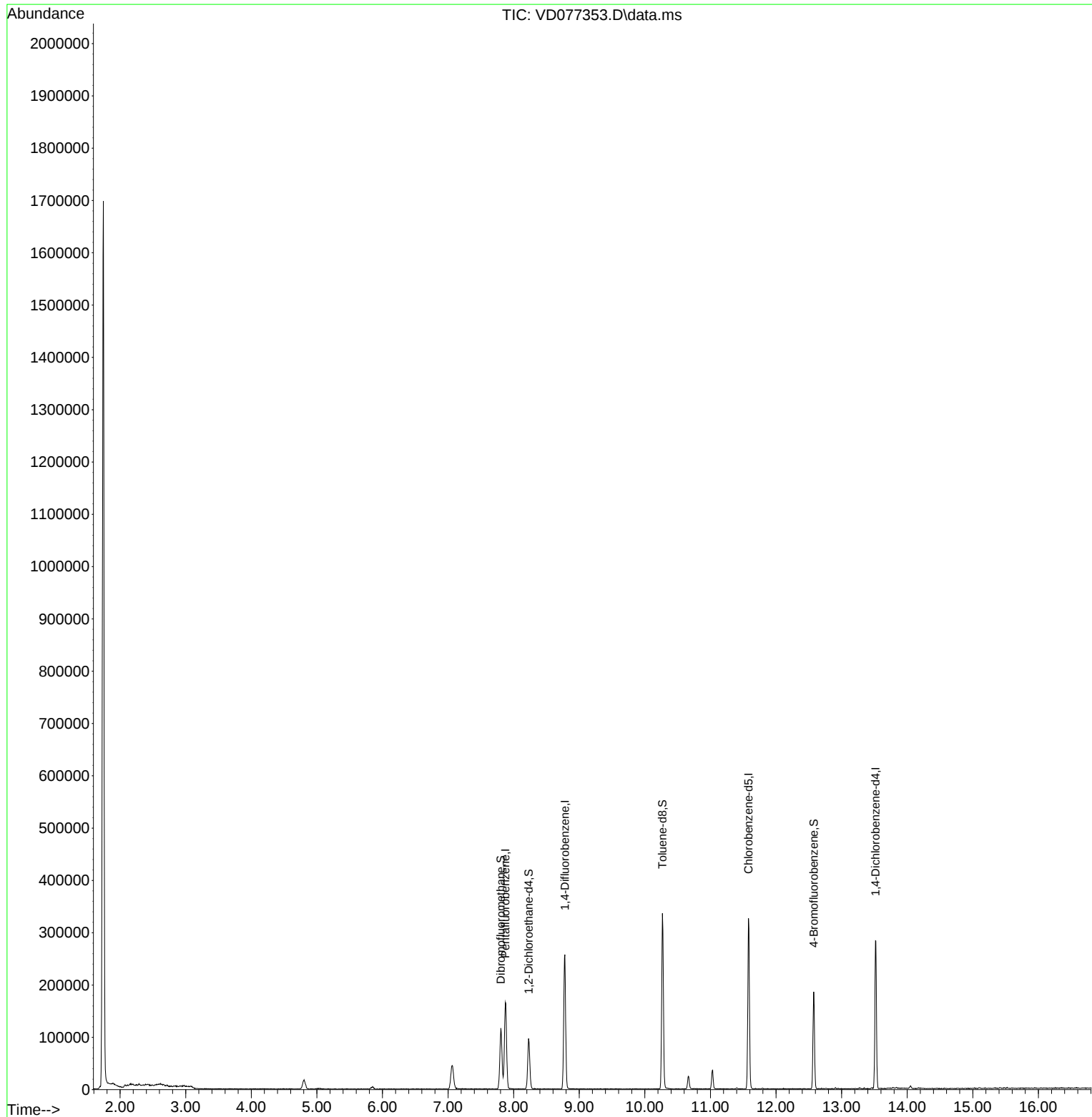
Target Compounds	Qvalue

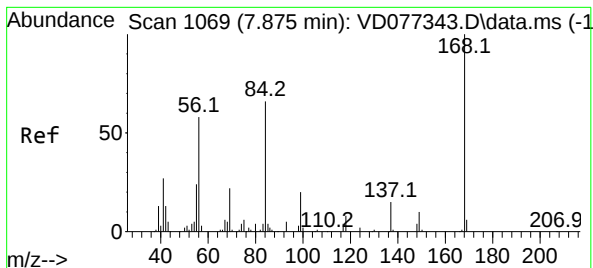
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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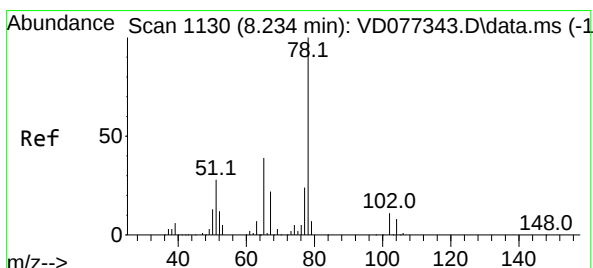
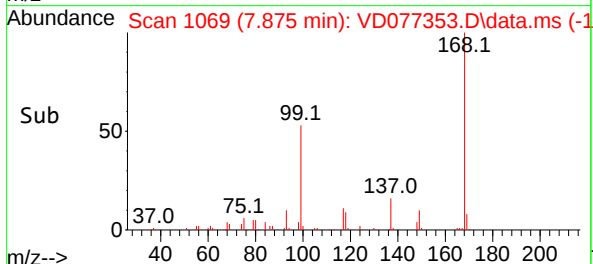
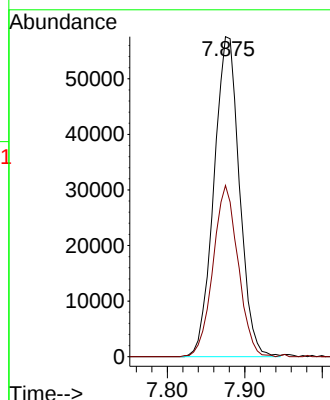
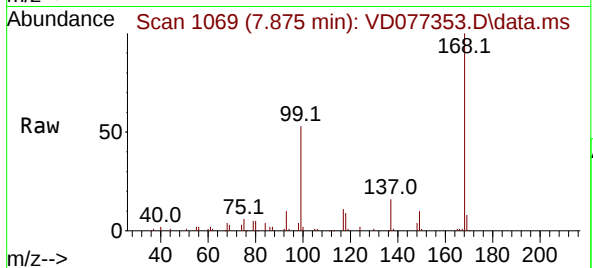




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1109
Delta R.T. 0.000 min
Lab File: VD077353.D
Acq: 19 Oct 2023 14:34

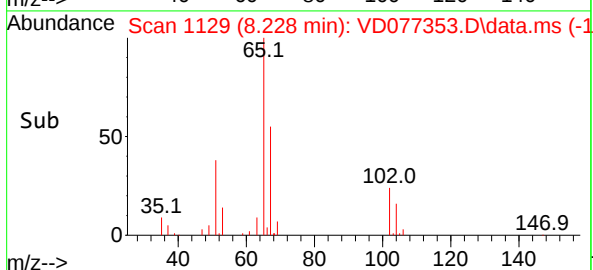
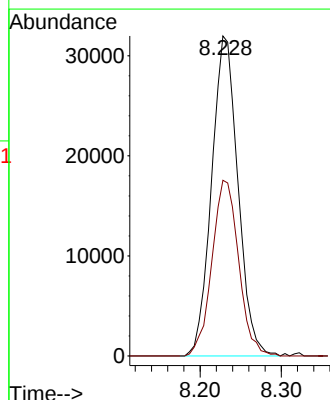
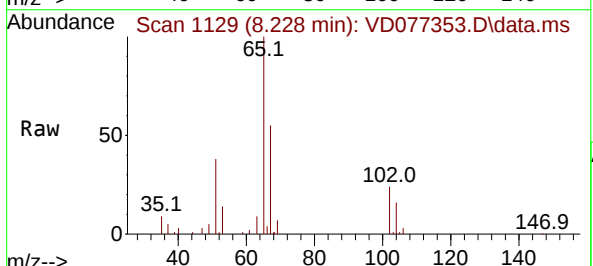
Instrument :
MSVOA_D
ClientSampleId :
OK-01-10172023

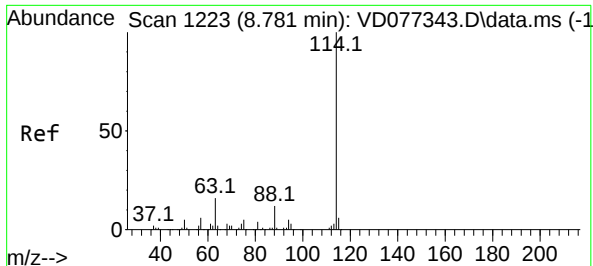
Tgt Ion:168 Resp: 131788
Ion Ratio Lower Upper
168 100
99 53.5 36.7 55.1



#33
1,2-Dichloroethane-d4
Concen: 61.310 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. -0.006 min
Lab File: VD077353.D
Acq: 19 Oct 2023 14:34

Tgt Ion: 65 Resp: 72149
Ion Ratio Lower Upper
65 100
67 55.7 0.0 115.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 1

Delta R.T. -0.000 min

Lab File: VD077353.D

Acq: 19 Oct 2023 14:34

Instrument :

MSVOA_D

ClientSampleId :

OK-01-10172023

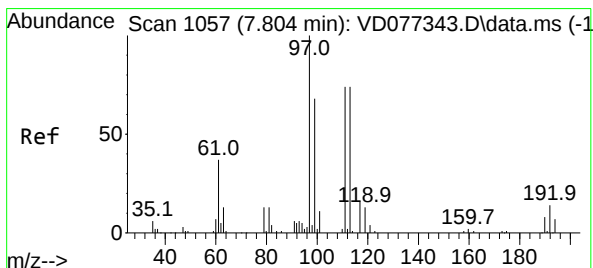
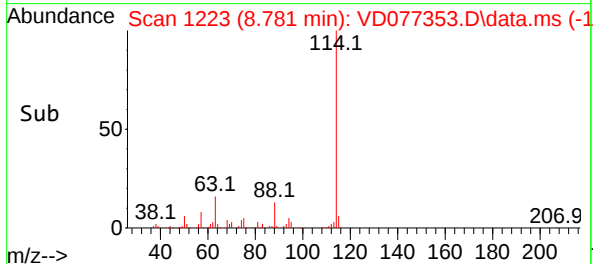
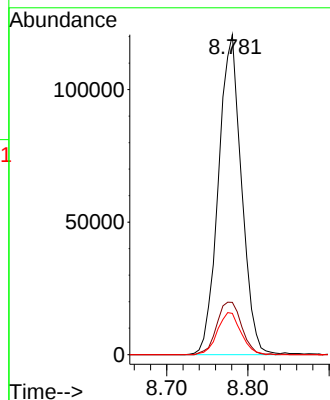
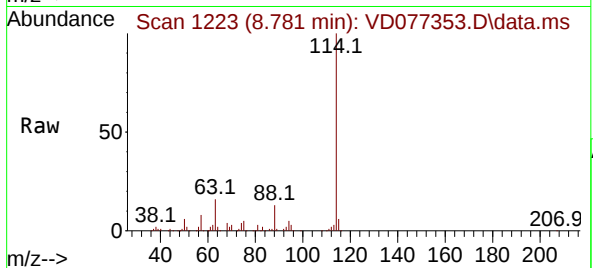
Tgt Ion:114 Resp: 238577

Ion Ratio Lower Upper

114 100

63 16.4 0.0 33.4

88 12.9 0.0 26.2



#35

Dibromofluoromethane

Concen: 49.693 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. 0.000 min

Lab File: VD077353.D

Acq: 19 Oct 2023 14:34

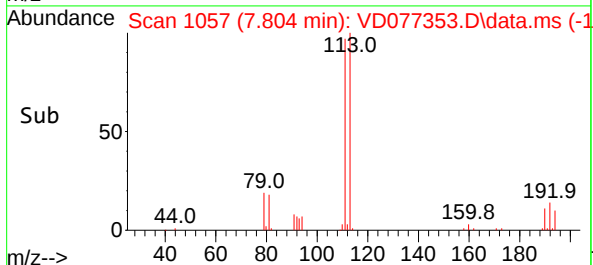
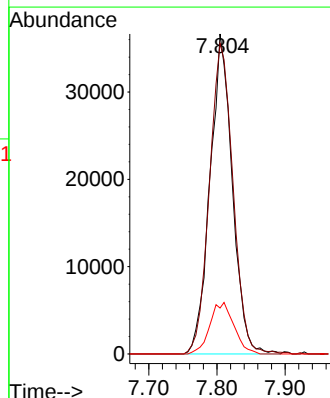
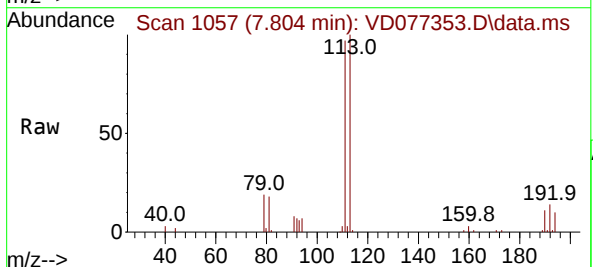
Tgt Ion:113 Resp: 83290

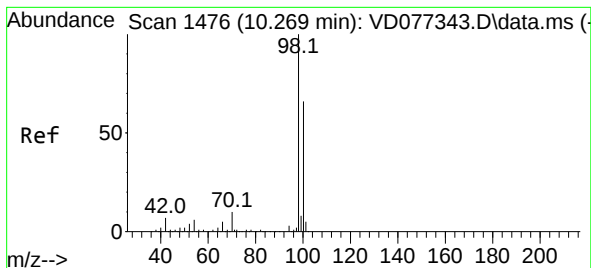
Ion Ratio Lower Upper

113 100

111 102.5 84.7 127.1

192 17.5 16.8 25.2

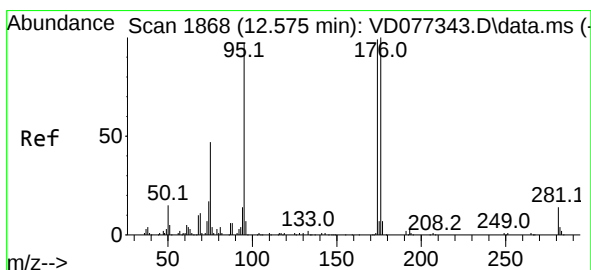
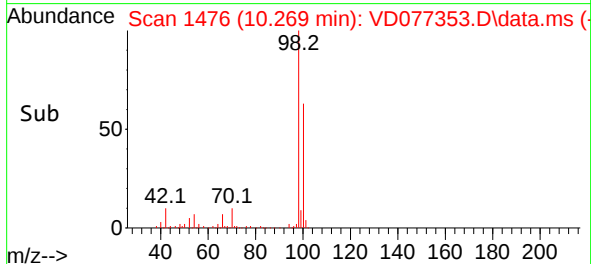
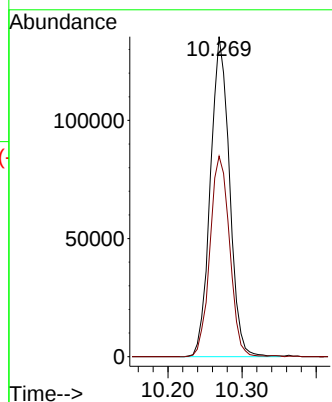
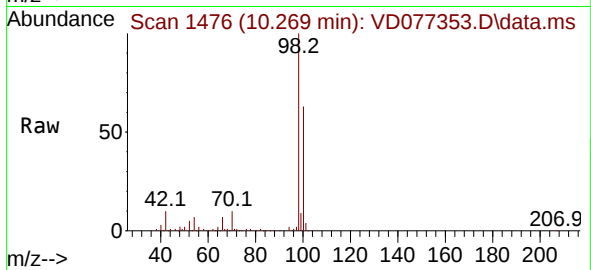




#50
Toluene-d8
Concen: 40.395 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD077353.D
Acq: 19 Oct 2023 14:34

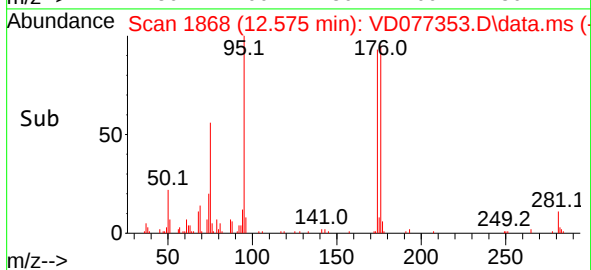
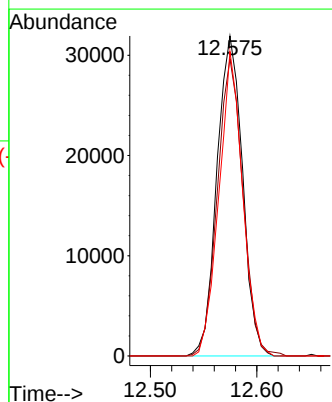
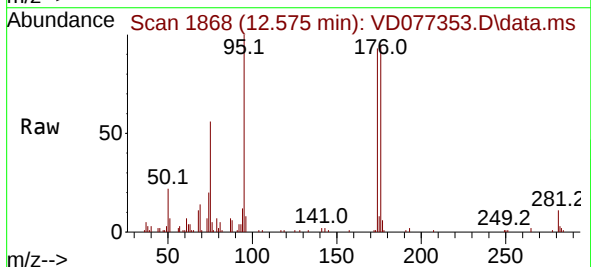
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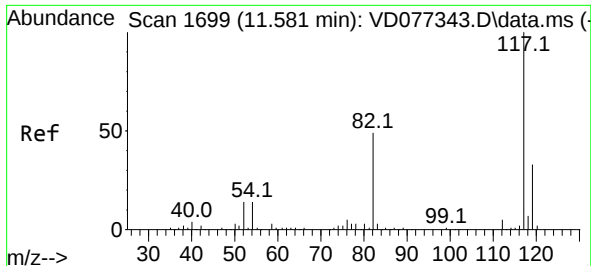
Tgt Ion: 98 Resp: 242476
Ion Ratio Lower Upper
98 100
100 64.4 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 30.740 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD077353.D
Acq: 19 Oct 2023 14:34

Tgt Ion: 95 Resp: 53117
Ion Ratio Lower Upper
95 100
174 92.8 0.0 201.8
176 88.1 0.0 191.8

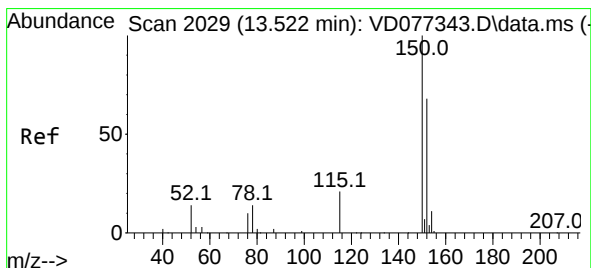
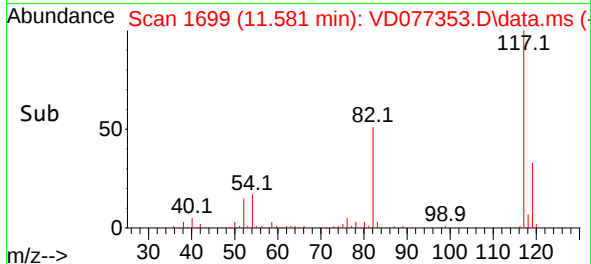
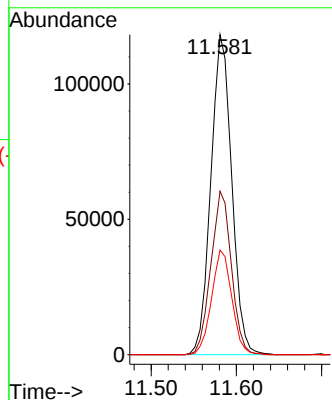
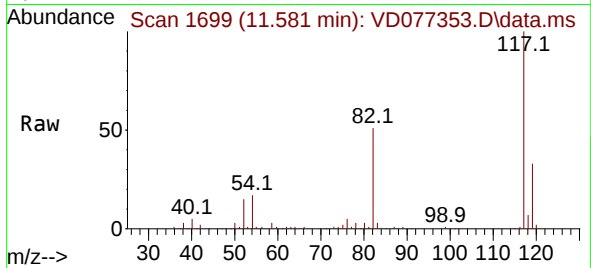




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD077353.D
Acq: 19 Oct 2023 14:34

Instrument :
MSVOA_D
ClientSampleId :
OK-01-10172023

Tgt Ion:117 Resp: 200832
Ion Ratio Lower Upper
117 100
82 51.1 38.3 57.5
119 32.7 25.0 37.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. -0.006 min
Lab File: VD077353.D
Acq: 19 Oct 2023 14:34

Tgt Ion:152 Resp: 85672
Ion Ratio Lower Upper
152 100
115 50.9 27.1 81.3
150 155.4 0.0 353.6

