

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092023\
 Data File : VD077166.D
 Acq On : 20 Sep 2023 14:52
 Operator : JC/SY
 Sample : 04479-06
 Misc : 5.08G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 1028

Quant Time: Sep 21 02:24:19 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D091823S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 19 04:46:37 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	227438	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	507487	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	601979	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	288233	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	116260	50.651	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	101.300%
35) Dibromofluoromethane	7.804	113	164456	46.655	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	93.300%
50) Toluene-d8	10.269	98	663860	52.911	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	105.820%
62) 4-Bromofluorobenzene	12.575	95	237540	61.083	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	122.160%

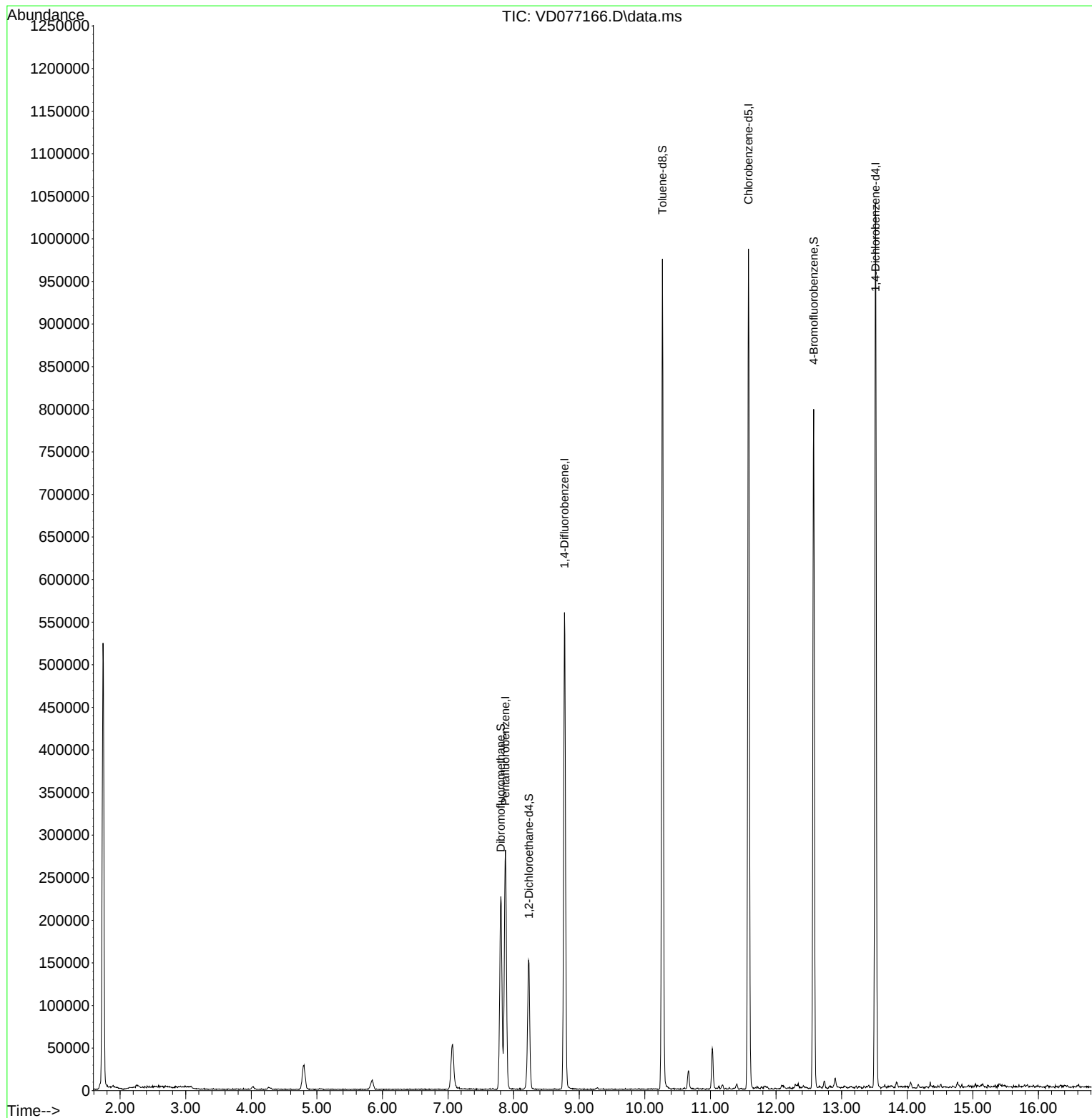
Target Compounds	Qvalue

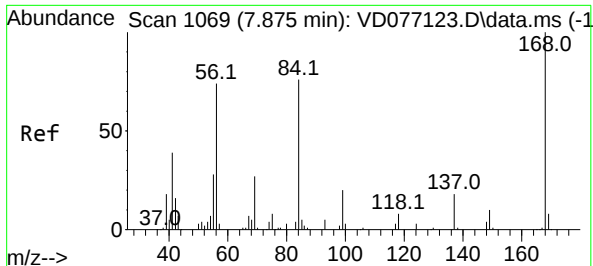
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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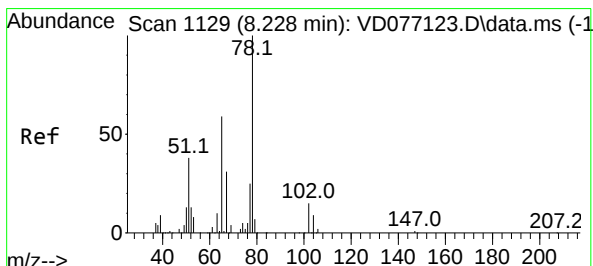
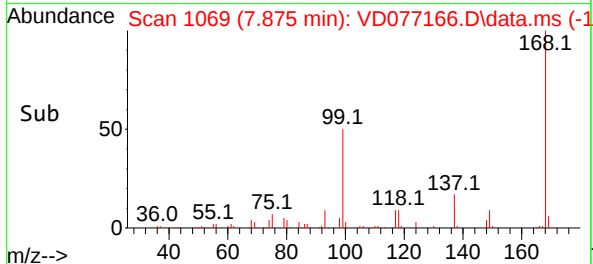
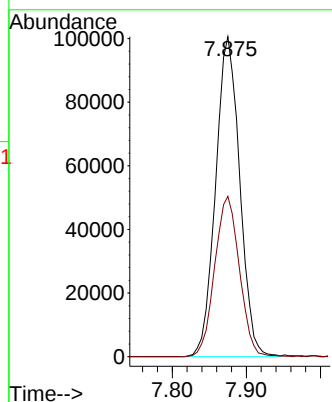
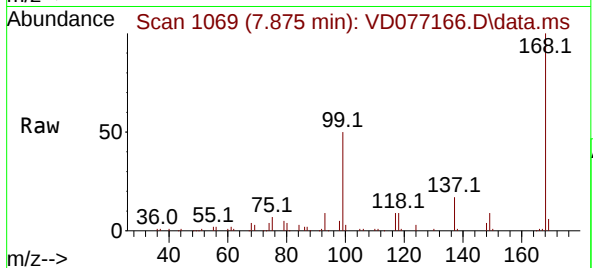




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 11028
Delta R.T. 0.000 min
Lab File: VD077166.D
Acq: 20 Sep 2023 14:52

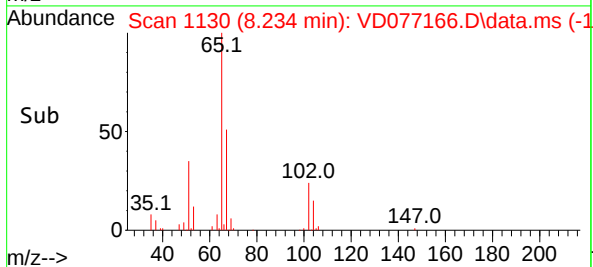
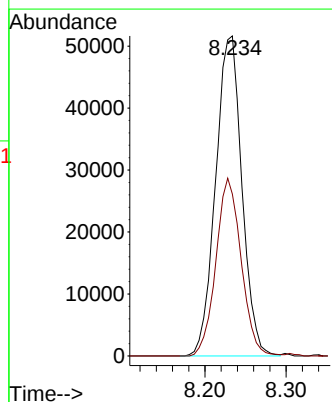
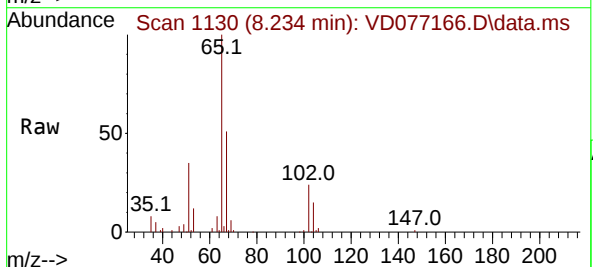
Instrument :
MSVOA_D
ClientSampleId :
1028

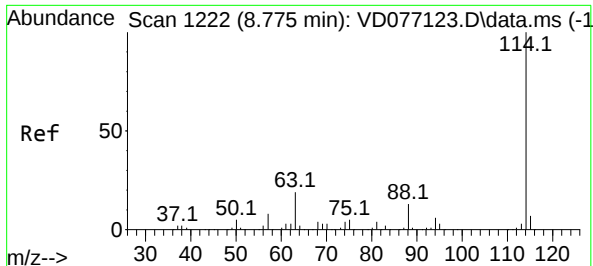
Tgt Ion:168 Resp: 227438
Ion Ratio Lower Upper
168 100
99 50.1 36.7 55.1



#33
1,2-Dichloroethane-d4
Concen: 50.651 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. 0.006 min
Lab File: VD077166.D
Acq: 20 Sep 2023 14:52

Tgt Ion: 65 Resp: 116260
Ion Ratio Lower Upper
65 100
67 53.3 0.0 115.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1

Delta R.T. 0.000 min

Lab File: VD077166.D

Acq: 20 Sep 2023 14:52

Instrument :

MSVOA_D

ClientSampleId :

1028

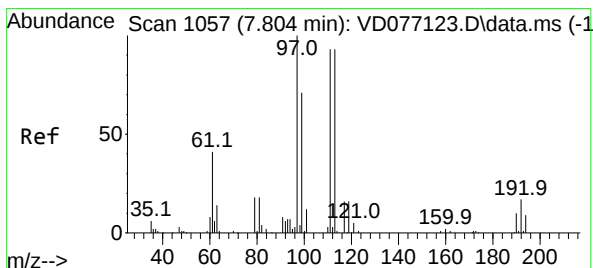
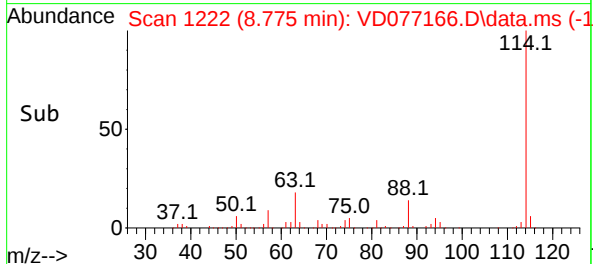
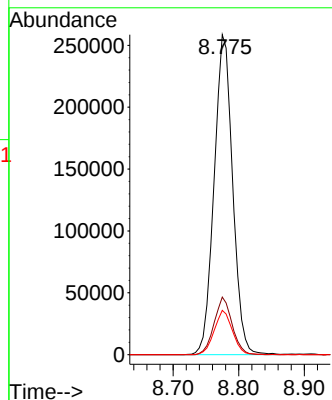
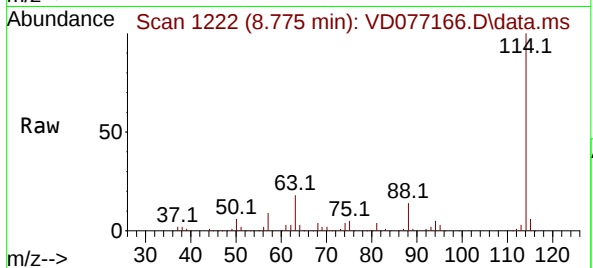
Tgt Ion:114 Resp: 507487

Ion Ratio Lower Upper

114 100

63 18.0 0.0 33.4

88 13.8 0.0 26.2



#35

Dibromofluoromethane

Concen: 46.655 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. 0.000 min

Lab File: VD077166.D

Acq: 20 Sep 2023 14:52

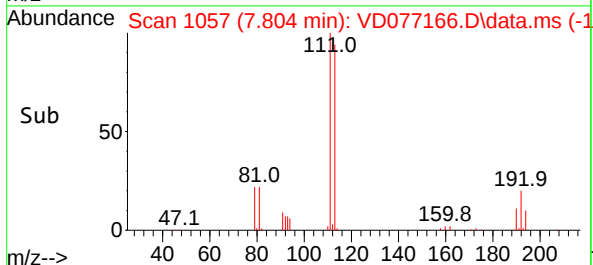
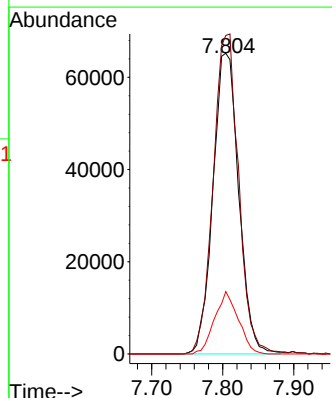
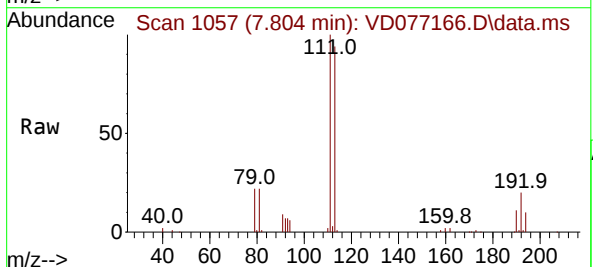
Tgt Ion:113 Resp: 164456

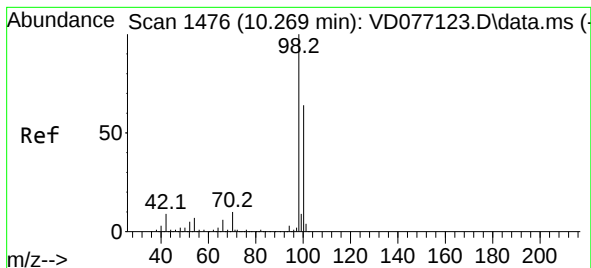
Ion Ratio Lower Upper

113 100

111 104.8 84.7 127.1

192 19.0 16.8 25.2





#50

Toluene-d8

Concen: 52.911 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD077166.D

Acq: 20 Sep 2023 14:52

Instrument :

MSVOA_D

ClientSampleId :

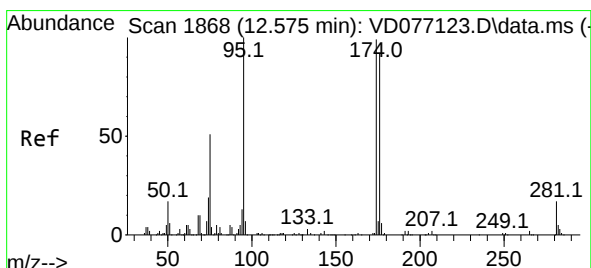
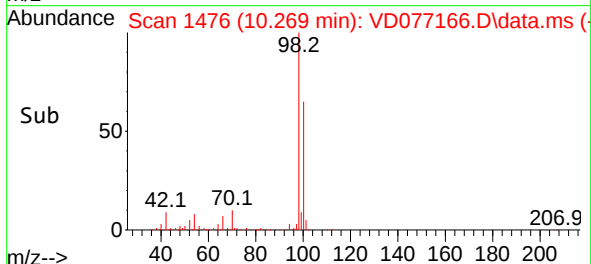
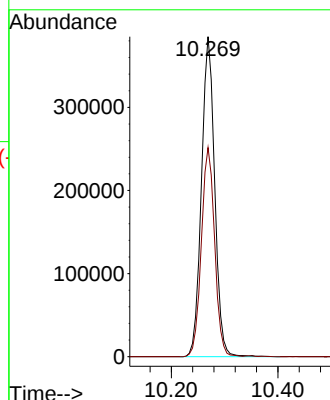
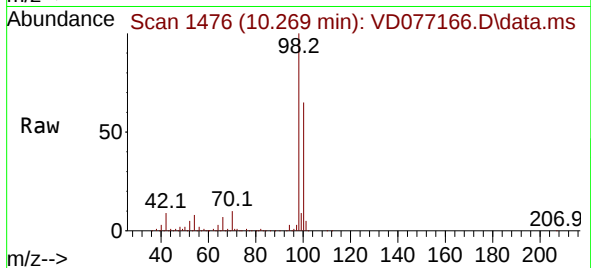
1028

Tgt Ion: 98 Resp: 663860

Ion Ratio Lower Upper

98 100

100 65.6 50.3 75.5



#62

4-Bromofluorobenzene

Concen: 61.083 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. 0.000 min

Lab File: VD077166.D

Acq: 20 Sep 2023 14:52

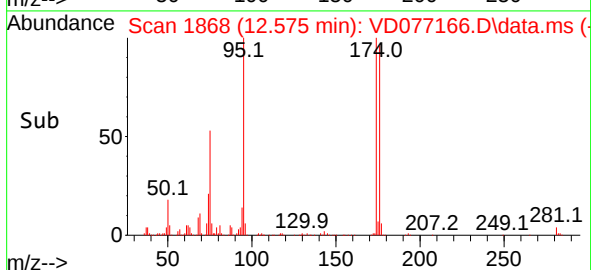
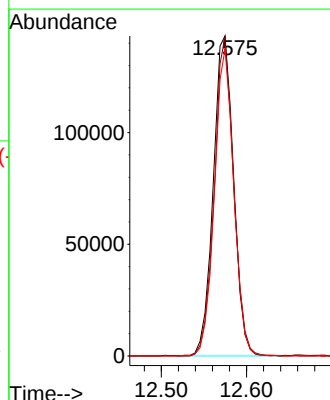
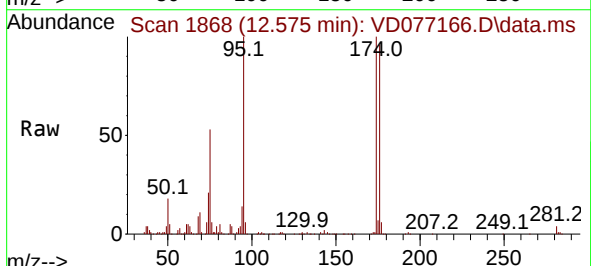
Tgt Ion: 95 Resp: 237540

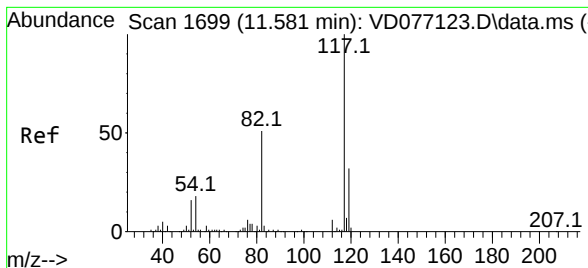
Ion Ratio Lower Upper

95 100

174 94.6 0.0 201.8

176 91.1 0.0 191.8

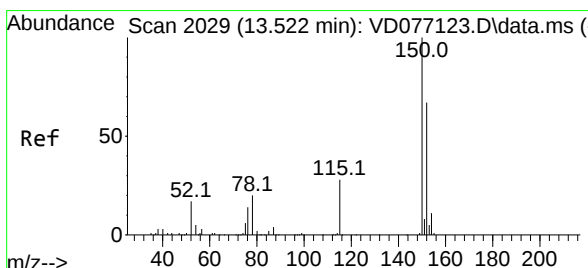
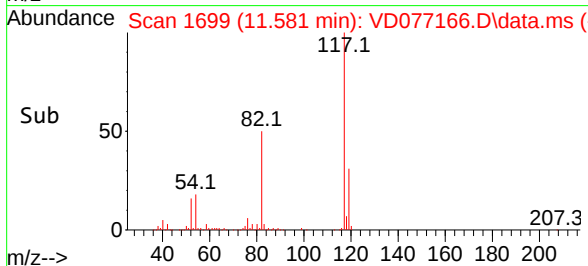
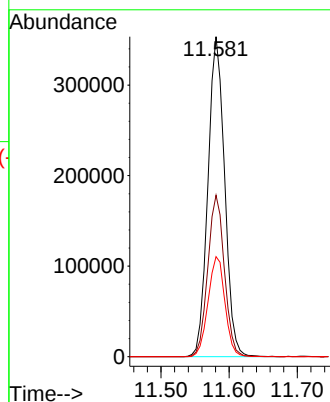
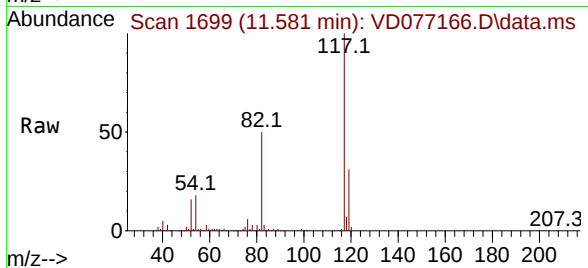




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1028
Delta R.T. 0.000 min
Lab File: VD077166.D
Acq: 20 Sep 2023 14:52

Instrument :
MSVOA_D
ClientSampleId :
1028

Tgt Ion:117 Resp: 601979
Ion Ratio Lower Upper
117 100
82 50.5 38.3 57.5
119 31.3 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: VD077166.D
Acq: 20 Sep 2023 14:52

Tgt Ion:152 Resp: 288233
Ion Ratio Lower Upper
152 100
115 56.1 27.1 81.3
150 157.4 0.0 353.6

