

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD073123\
 Data File : VD076877.D
 Acq On : 31 Jul 2023 16:27
 Operator : KP/SY
 Sample : 03833-02
 Misc : 5.05G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 82ND-1

Quant Time: Aug 01 02:12:13 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D071423S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 17 08:07:52 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	183886	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	349748	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	332063	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	148276	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	93206	50.889	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	101.780%
35) Dibromofluoromethane	7.804	113	113772	51.765	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	103.540%
50) Toluene-d8	10.269	98	430600	54.766	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	109.540%
62) 4-Bromofluorobenzene	12.575	95	125426	49.312	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	98.620%

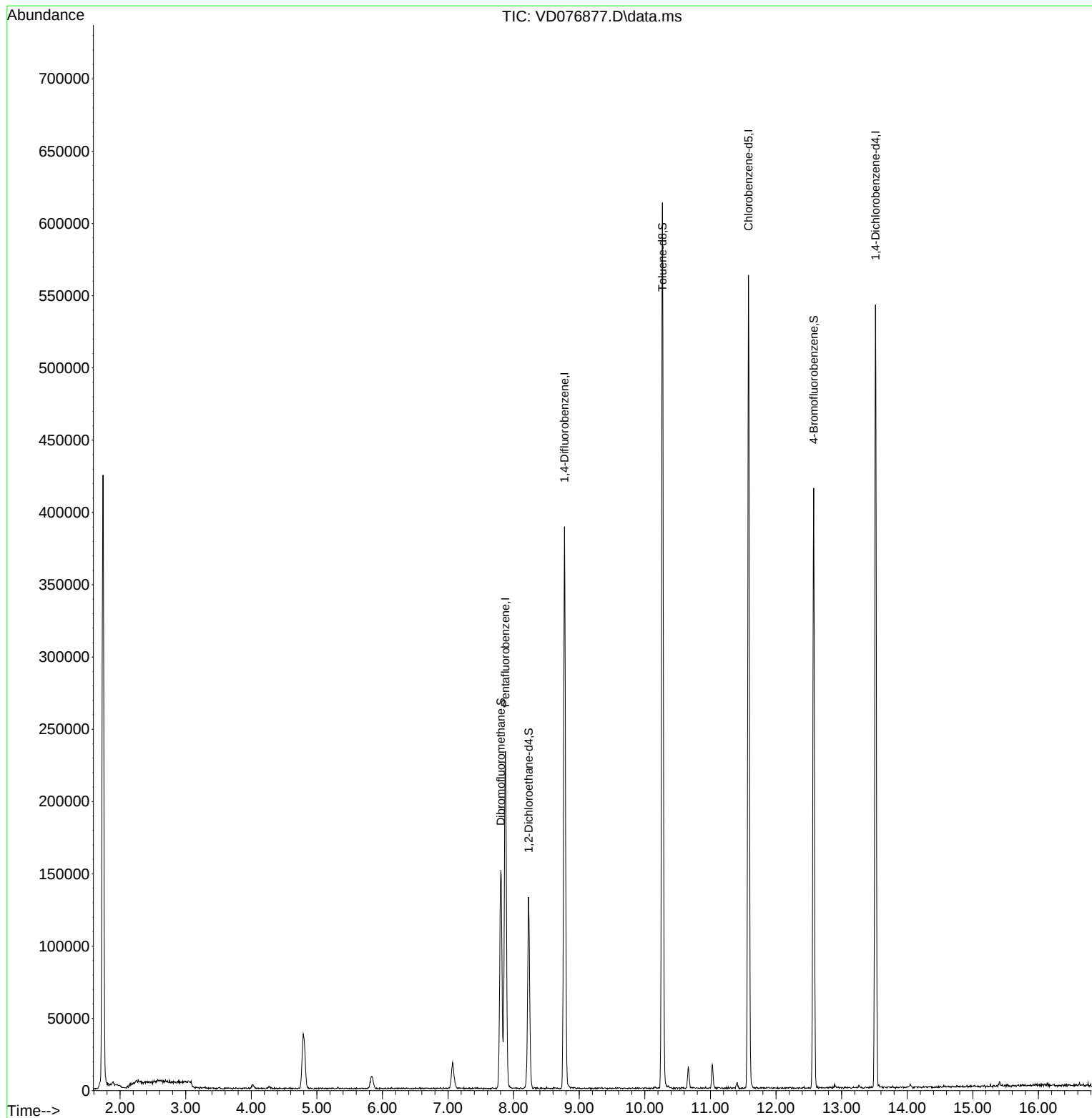
Target Compounds	Qvalue

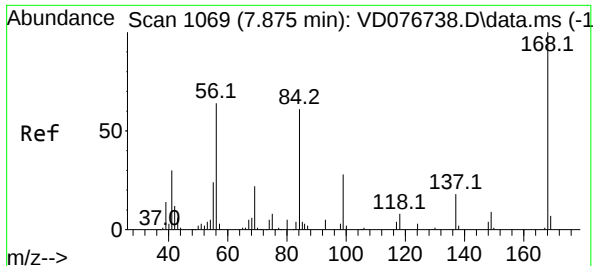
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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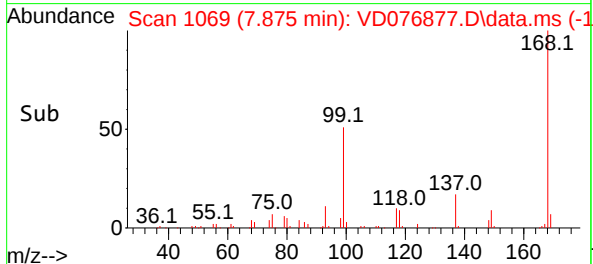
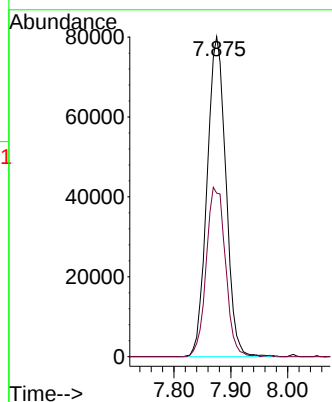
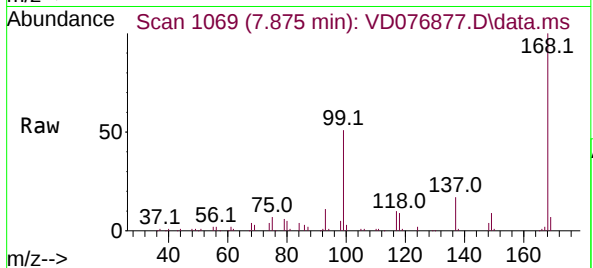




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD076877.D
Acq: 31 Jul 2023 16:27

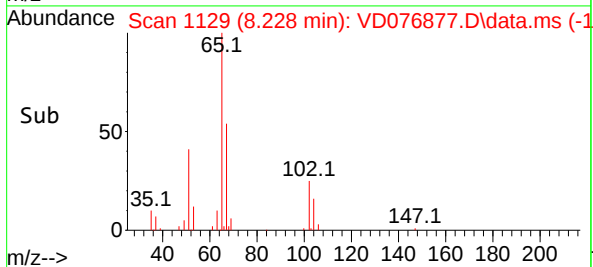
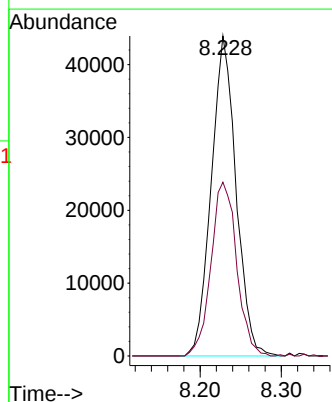
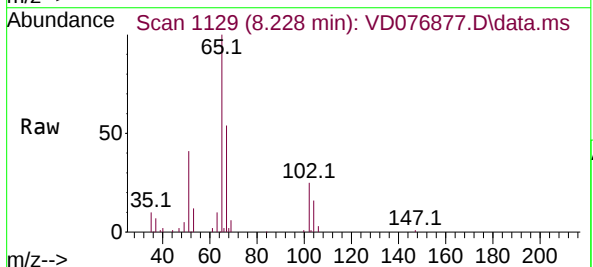
Instrument :
MSVOA_D
ClientSampleId :
82ND-1

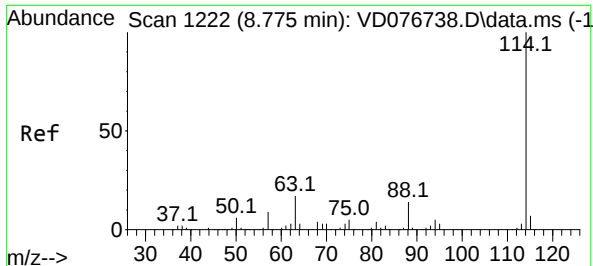
Tgt Ion:168 Resp: 183886
Ion Ratio Lower Upper
168 100
99 51.1 36.7 55.1



#33
1,2-Dichloroethane-d4
Concen: 50.889 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. -0.000 min
Lab File: VD076877.D
Acq: 31 Jul 2023 16:27

Tgt Ion: 65 Resp: 93206
Ion Ratio Lower Upper
65 100
67 56.2 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: VD076877.D

Acq: 31 Jul 2023 16:27

Instrument :

MSVOA_D

ClientSampleId :

82ND-1

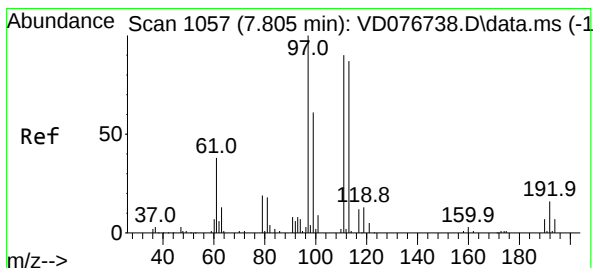
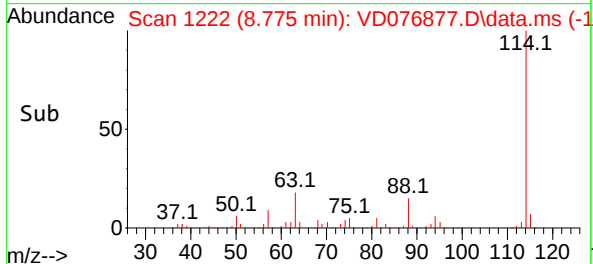
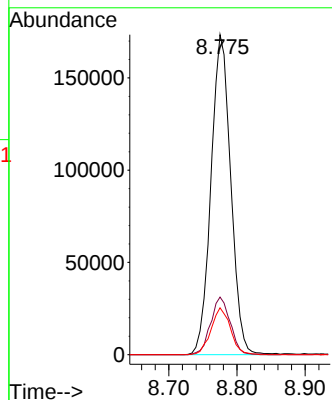
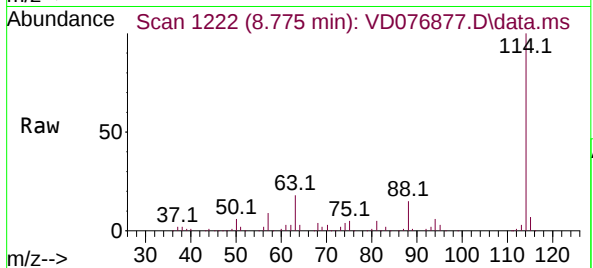
Tgt Ion:114 Resp: 349748

Ion Ratio Lower Upper

114 100

63 18.0 0.0 33.4

88 14.6 0.0 26.2



#35

Dibromofluoromethane

Concen: 51.765 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. -0.001 min

Lab File: VD076877.D

Acq: 31 Jul 2023 16:27

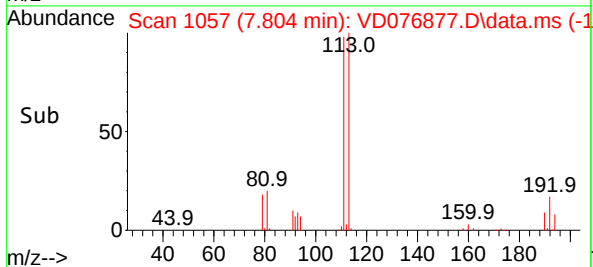
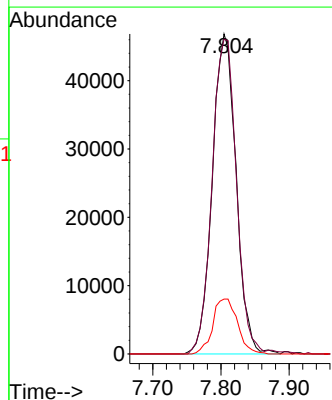
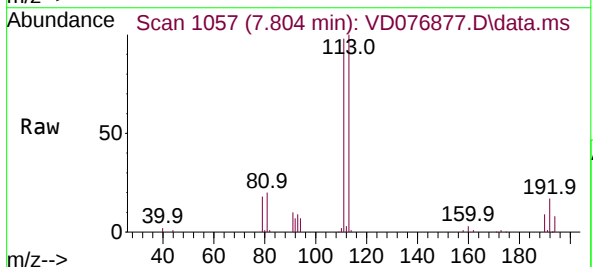
Tgt Ion:113 Resp: 113772

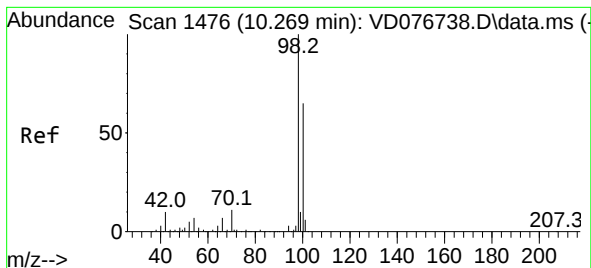
Ion Ratio Lower Upper

113 100

111 101.4 84.7 127.1

192 17.9 16.8 25.2

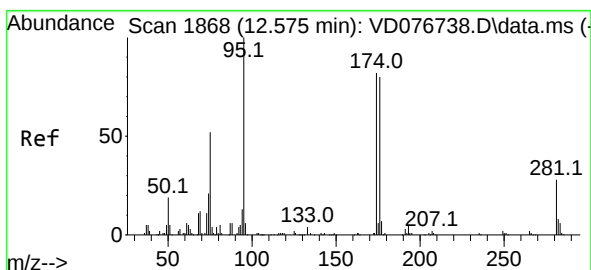
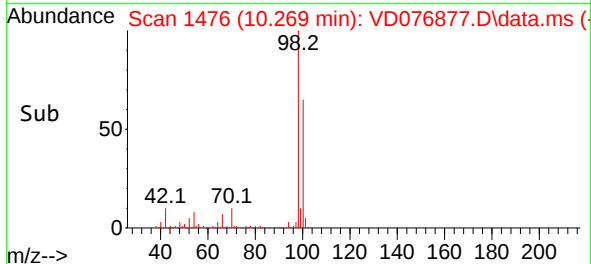
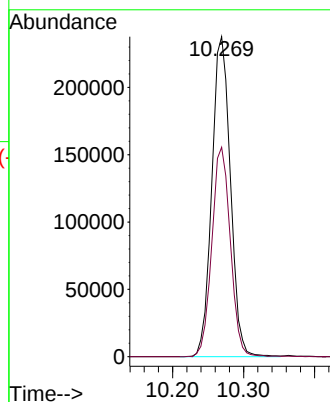
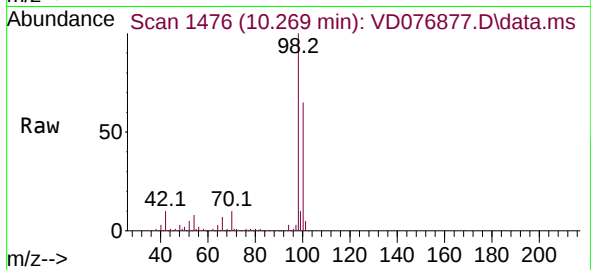




#50
Toluene-d8
Concen: 54.766 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD076877.D
Acq: 31 Jul 2023 16:27

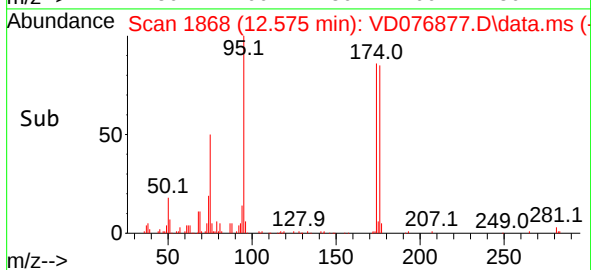
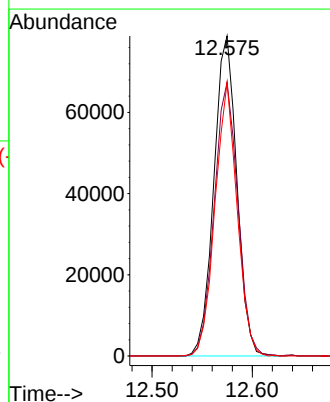
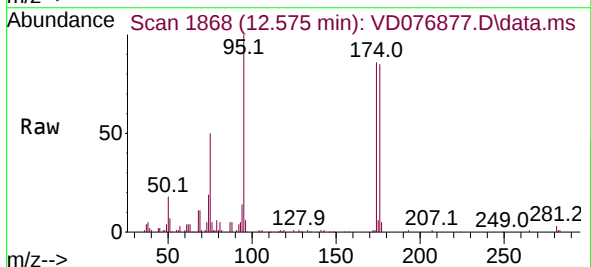
Instrument :
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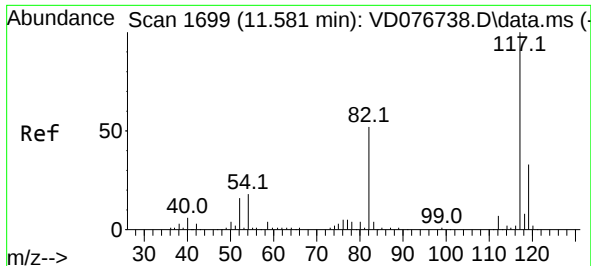
Tgt Ion: 98 Resp: 430600
Ion Ratio Lower Upper
98 100
100 65.2 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 49.312 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD076877.D
Acq: 31 Jul 2023 16:27

Tgt Ion: 95 Resp: 125426
Ion Ratio Lower Upper
95 100
174 87.9 0.0 201.8
176 82.0 0.0 191.8

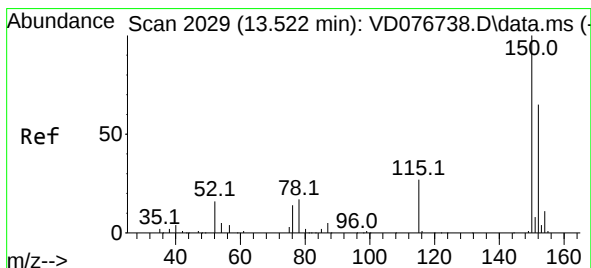
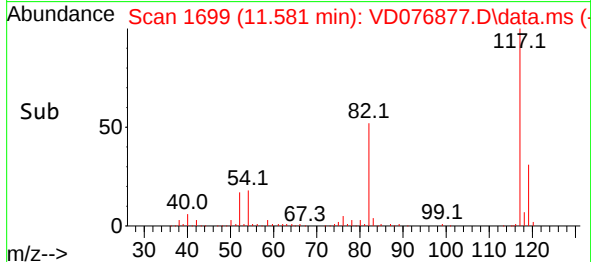
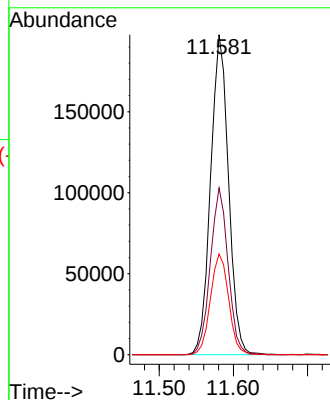
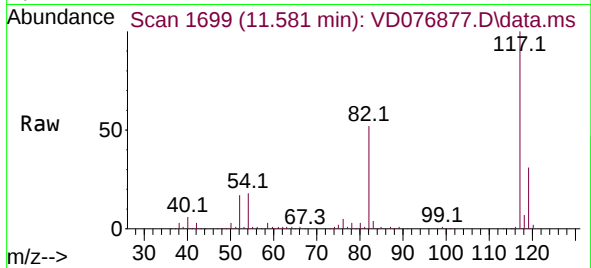




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD076877.D
Acq: 31 Jul 2023 16:27

Instrument :
MSVOA_D
ClientSampleId :
82ND-1

Tgt Ion:117 Resp: 332063
Ion Ratio Lower Upper
117 100
82 52.1 38.3 57.5
119 31.5 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: VD076877.D
Acq: 31 Jul 2023 16:27

Tgt Ion:152 Resp: 148276
Ion Ratio Lower Upper
152 100
115 55.9 27.1 81.3
150 153.4 0.0 353.6

