

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052223\
 Data File : VD076182.D
 Acq On : 22 May 2023 18:22
 Operator : KP/SY
 Sample : 02840-04
 Misc : 4.99G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-2

Quant Time: May 23 01:25:56 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)

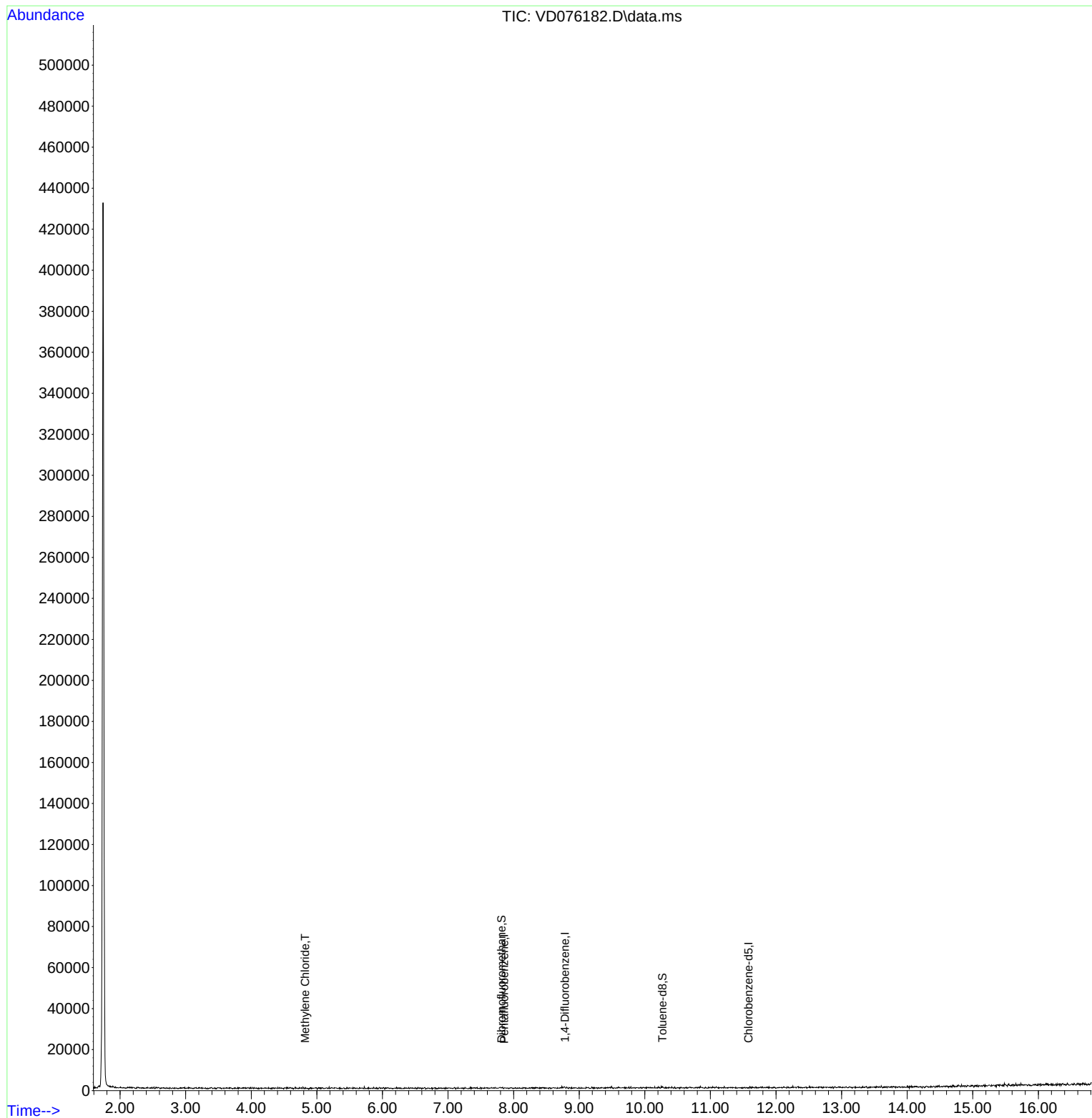
Internal Standards						
1) Pentafluorobenzene	7.858	168	216	50.000	ug/l	#-0.02
34) 1,4-Difluorobenzene	8.781	114	858	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	61	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	0.000	152	0	0.000	ug/l	-13.52
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	0.000	65	0	0.000	ug/l	
Spiked Amount	50.000	Range	50 - 163	Recovery	=	0.000%#
35) Dibromofluoromethane	7.816	113	121	20.402	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	40.800%#
50) Toluene-d8	10.269	98	404	17.475	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	34.940%#
62) 4-Bromofluorobenzene	0.000	95	0	0.000	ug/l	
Spiked Amount	50.000	Range	30 - 143	Recovery	=	0.000%#
Target Compounds						
20) Methylene Chloride	4.822	84	74	16.123	ug/l	# 4

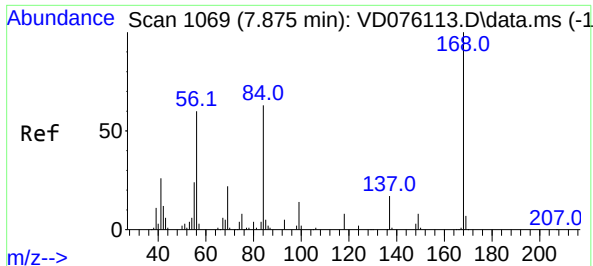
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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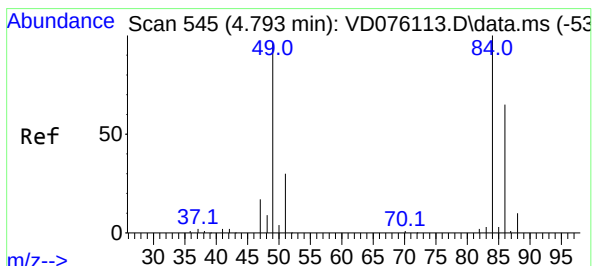
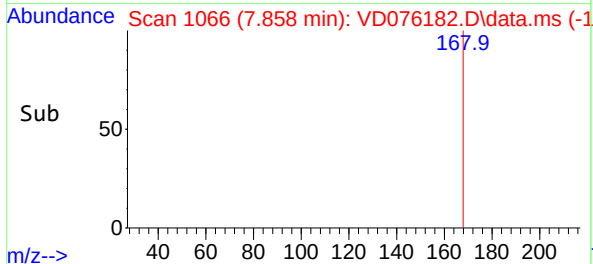
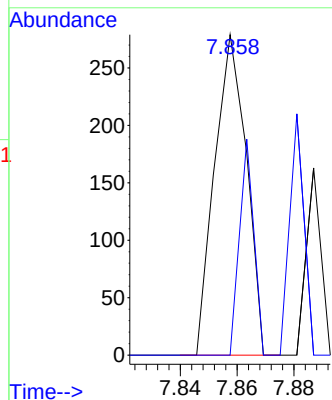
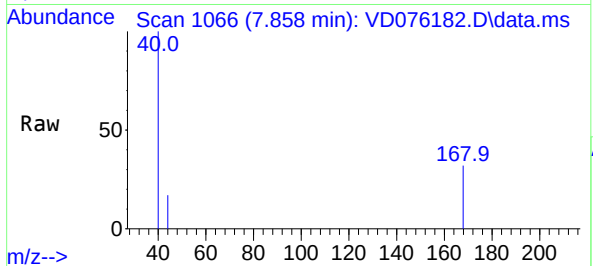




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.858 min Scan# 1066
Delta R.T. -0.017 min
Lab File: VD076182.D
Acq: 22 May 2023 18:22

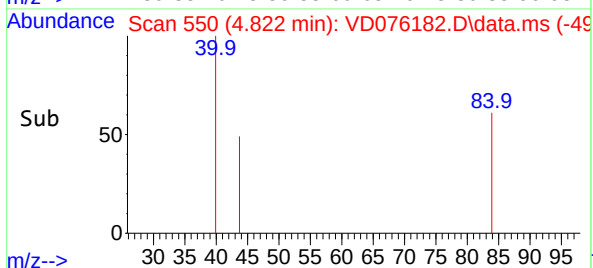
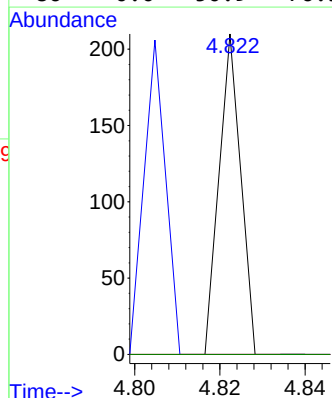
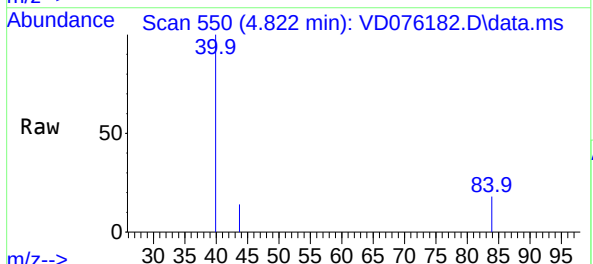
Instrument :
MSVOA_D
ClientSampleId :
TP-2

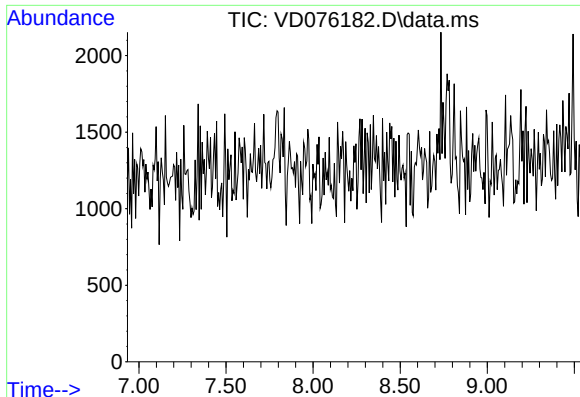
Tgt Ion:168 Resp: 216
Ion Ratio Lower Upper
168 100
99 0.0 43.8 65.6#



#20
Methylene Chloride
Concen: 16.123 ug/l
RT: 4.822 min Scan# 550
Delta R.T. 0.023 min
Lab File: VD076182.D
Acq: 22 May 2023 18:22

Tgt Ion: 84 Resp: 74
Ion Ratio Lower Upper
84 100
49 0.0 106.4 159.6#
51 0.0 32.4 48.6#
86 0.0 50.9 76.3#

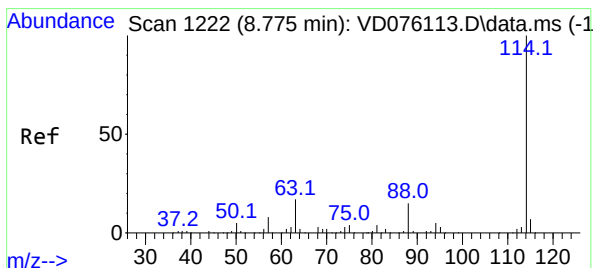
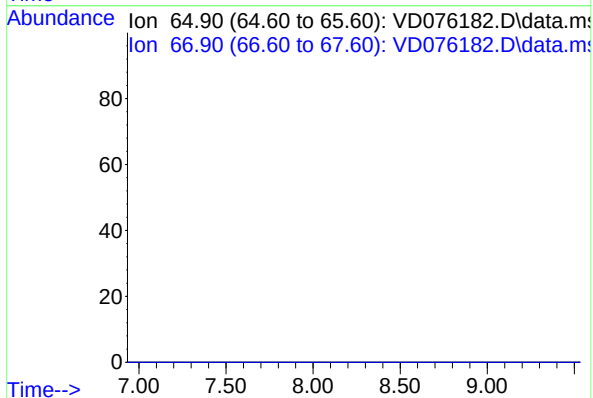




#33
 1,2-Dichloroethane-d4
 Concen: 0.000 ug/l
 Expected RT: 8.23 min
 Lab File: VD076182.D
 Acq: 22 May 2023 18:22

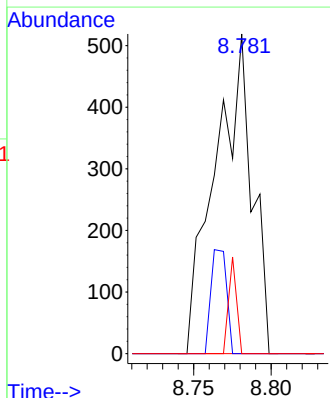
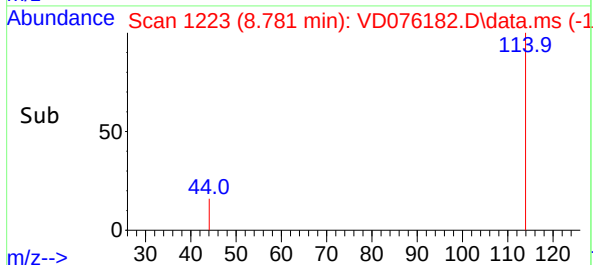
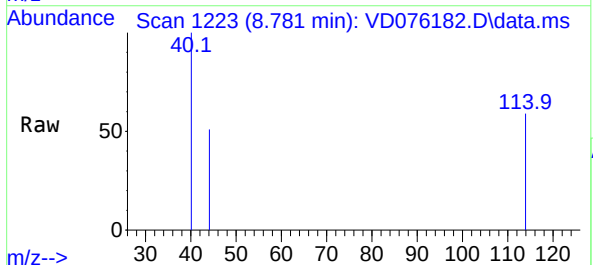
Instrument :
 MSVOA_D
 ClientSampleId :
 TP-2

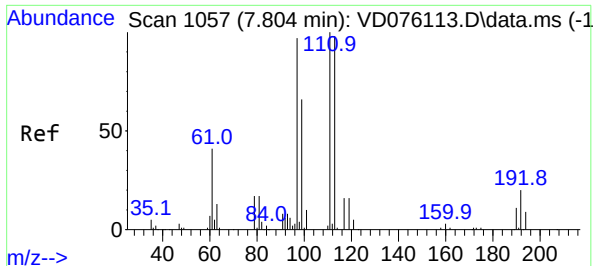
Tgt Ion: 65
 Sig Exp Ratio
 65 100
 67 51.1



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.781 min Scan# 1223
 Delta R.T. 0.006 min
 Lab File: VD076182.D
 Acq: 22 May 2023 18:22

Tgt Ion: 114 Resp: 858
 Ion Ratio Lower Upper
 114 100
 63 0.0 0.0 41.6
 88 0.0 0.0 30.6

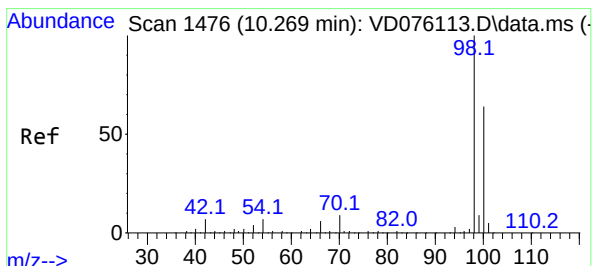
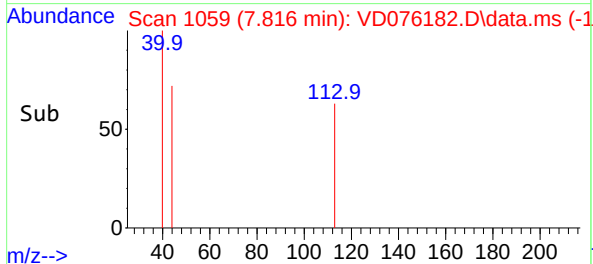
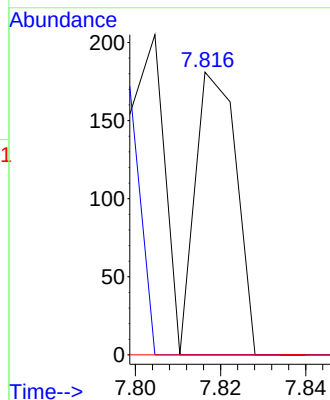
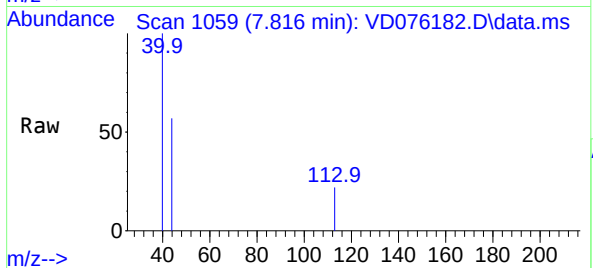




#35
Dibromofluoromethane
Concen: 20.402 ug/l
RT: 7.816 min Scan# 1059
Delta R.T. 0.011 min
Lab File: VD076182.D
Acq: 22 May 2023 18:22

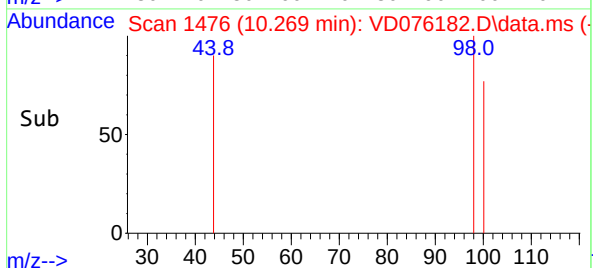
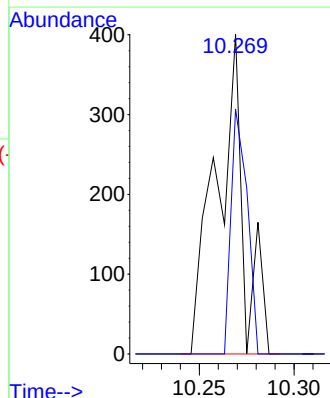
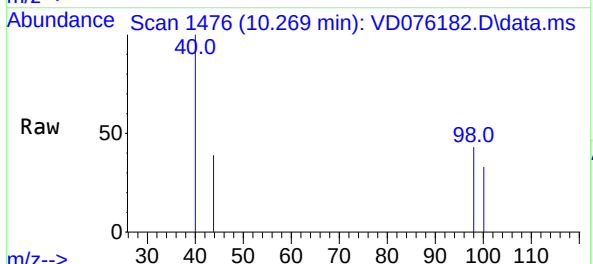
Instrument :
MSVOA_D
ClientSampleId :
TP-2

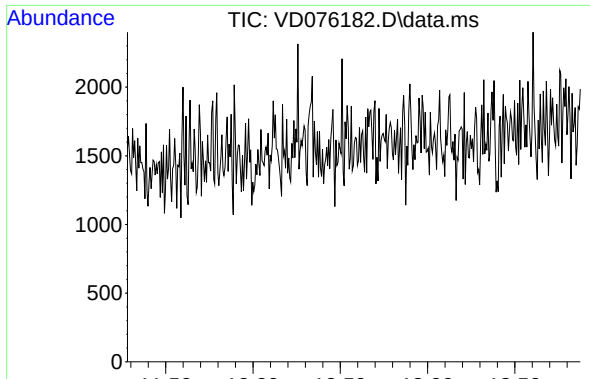
Tgt Ion: 113 Resp: 121
Ion Ratio Lower Upper
113 100
111 0.0 81.4 122.0#
192 0.0 15.2 22.8#



#50
Toluene-d8
Concen: 17.475 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD076182.D
Acq: 22 May 2023 18:22

Tgt Ion: 98 Resp: 404
Ion Ratio Lower Upper
98 100
100 45.0 52.1 78.1#

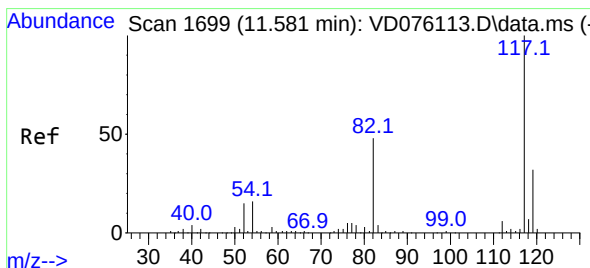
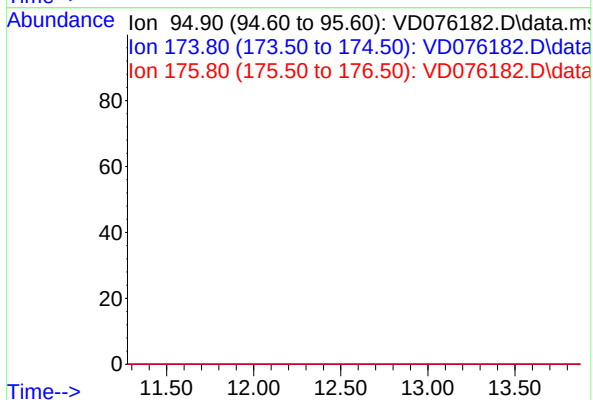




#62
4-Bromofluorobenzene
Concen: 0.000 ug/l
Expected RT: 12.57 min
Lab File: VD076182.D
Acq: 22 May 2023 18:22

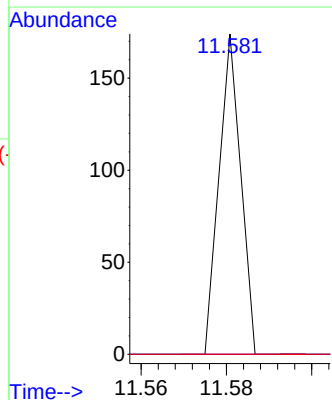
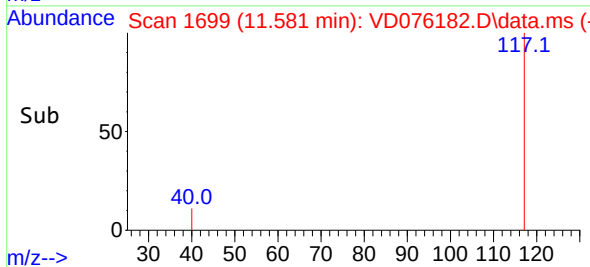
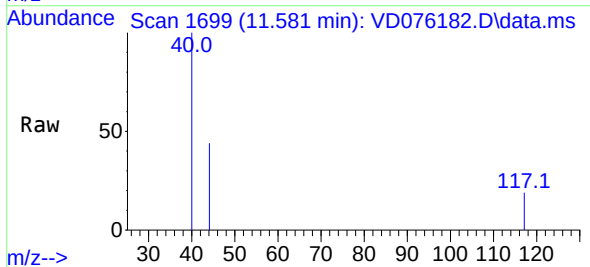
Instrument :
MSVOA_D
ClientSampleId :
TP-2

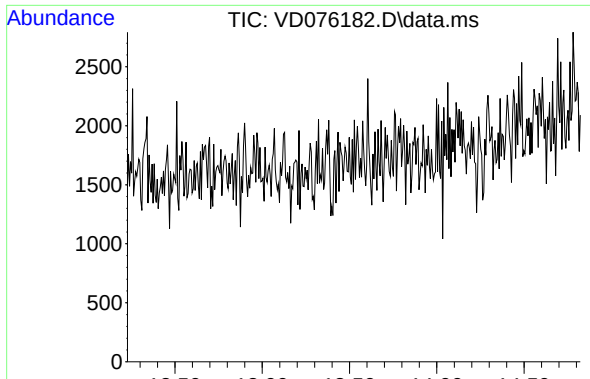
Tgt Ion: 95
Sig Exp Ratio
95 100
174 82.0
176 78.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD076182.D
Acq: 22 May 2023 18:22

Tgt Ion: 117 Resp: 61
Ion Ratio Lower Upper
117 100
82 0.0 44.0 66.0#
119 0.0 25.1 37.7#





#72
1,4-Dichlorobenzene-d4
Concen: 0.000 ug/l
Expected RT: 13.52 min
Lab File: VD076182.D
Acq: 22 May 2023 18:22

Instrument :
MSVOA_D
ClientSampleId :
TP-2

Tgt Ion: 152
Sig Exp Ratio
152 100
115 60.2
150 182.4

