

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052223\
 Data File : VD076180.D
 Acq On : 22 May 2023 17:22
 Operator : KP/SY
 Sample : 02846-01
 Misc : 5.02G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 EO-01-051823

Quant Time: May 23 01:25:41 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)

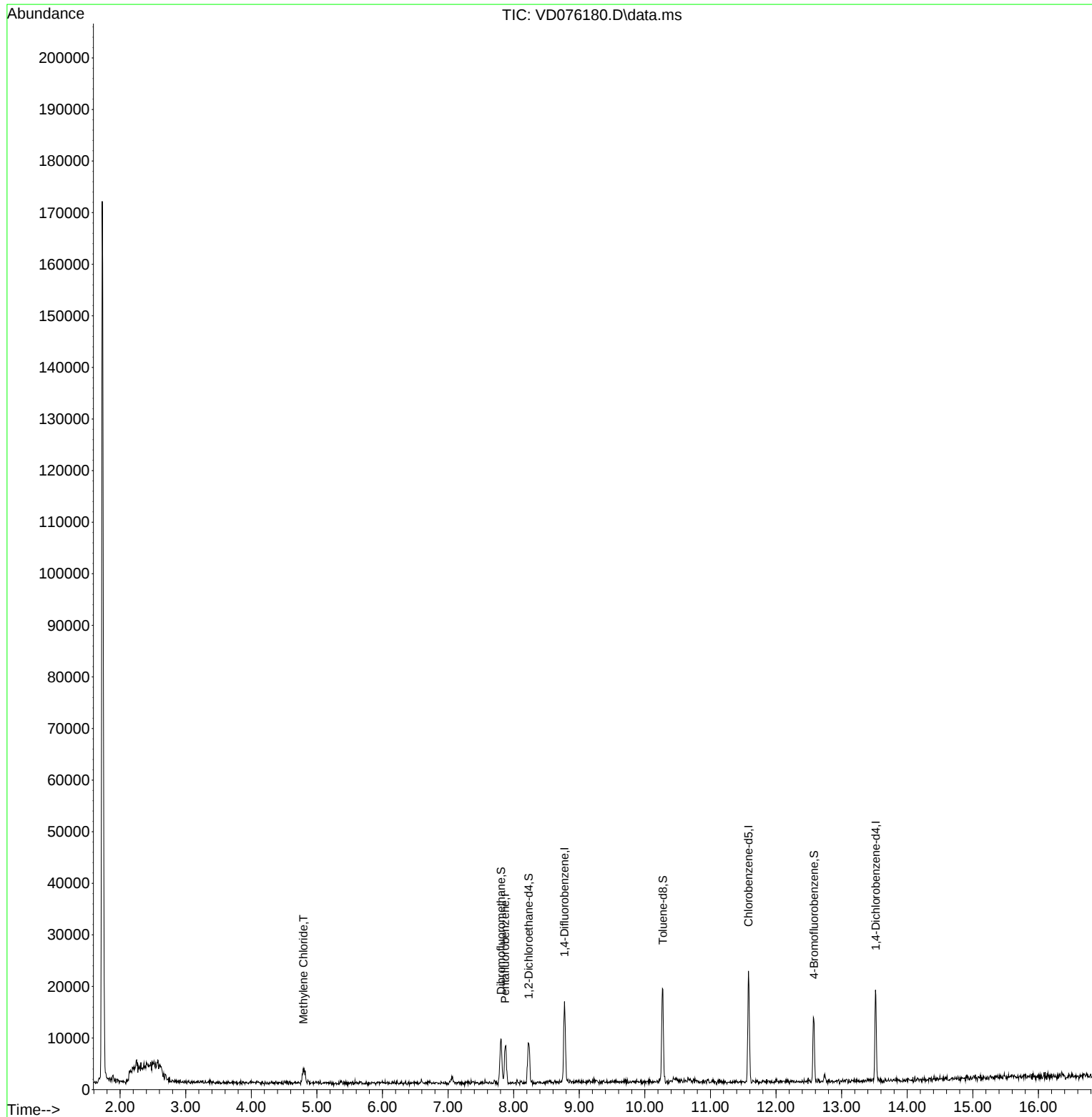
Internal Standards						
1) Pentafluorobenzene	7.869	168	7327	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.775	114	16809	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	14240	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	5439	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	6743	95.222	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 190.440%#	
35) Dibromofluoromethane	7.810	113	6406	55.135	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 110.280%	
50) Toluene-d8	10.275	98	14942	32.990	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 65.980%	
62) 4-Bromofluorobenzene	12.581	95	4329	34.407	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 68.820%	
Target Compounds						
					Qvalue	
20) Methylene Chloride	4.793	84	2375	14.680	ug/l	# 66

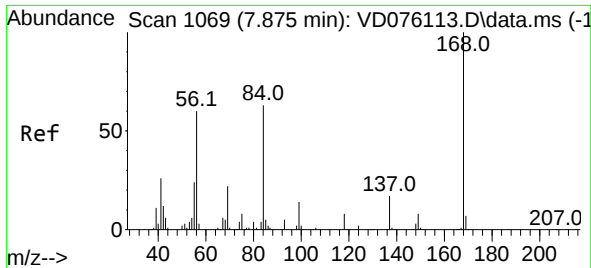
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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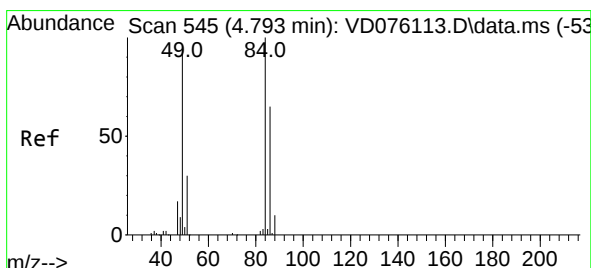
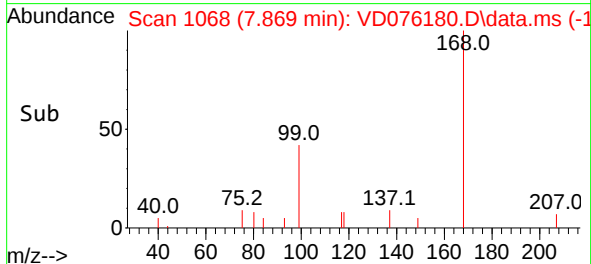
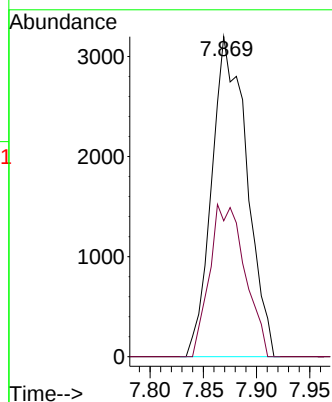
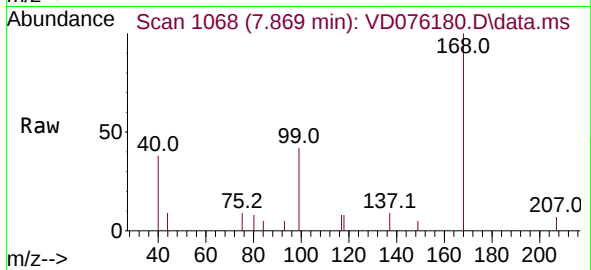




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.869 min Scan# 1068
Delta R.T. -0.006 min
Lab File: VD076180.D
Acq: 22 May 2023 17:22

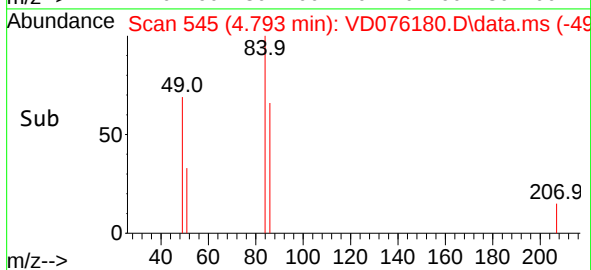
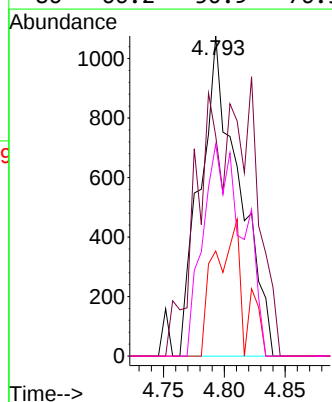
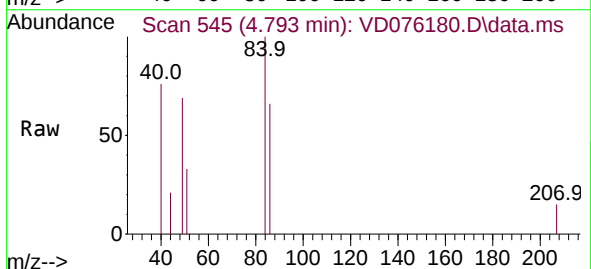
Instrument :
MSVOA_D
ClientSampleId :
EO-01-051823

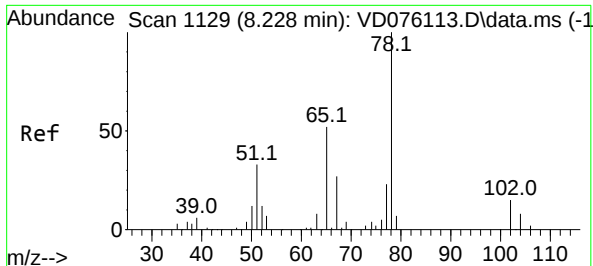
Tgt Ion:168 Resp: 7327
Ion Ratio Lower Upper
168 100
99 42.5 43.8 65.6#



#20
Methylene Chloride
Concen: 14.680 ug/l
RT: 4.793 min Scan# 545
Delta R.T. -0.006 min
Lab File: VD076180.D
Acq: 22 May 2023 17:22

Tgt Ion: 84 Resp: 2375
Ion Ratio Lower Upper
84 100
49 68.8 106.4 159.6#
51 32.8 32.4 48.6
86 66.2 50.9 76.3





#33

1,2-Dichloroethane-d4

Concen: 95.222 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.006 min

Lab File: VD076180.D

Acq: 22 May 2023 17:22

Instrument :

MSVOA_D

ClientSampleId :

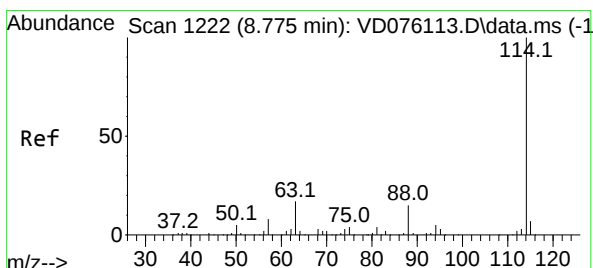
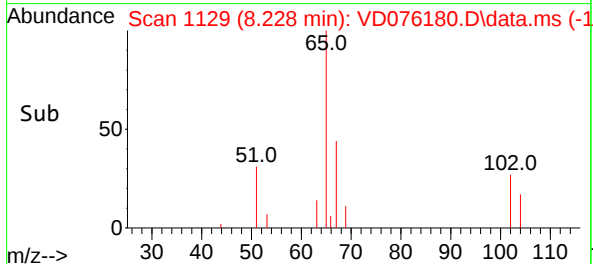
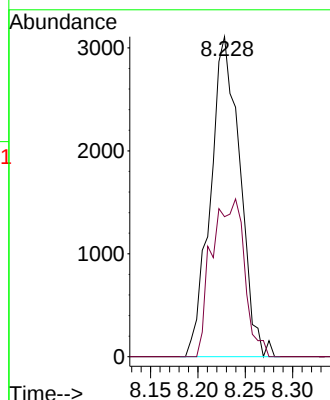
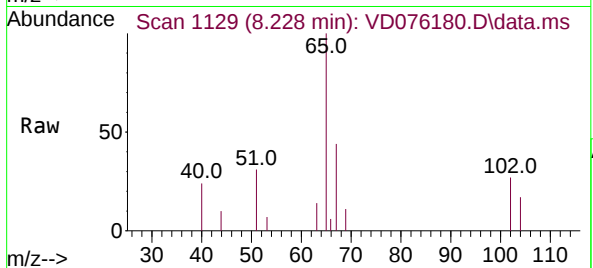
EO-01-051823

Tgt Ion: 65 Resp: 6743

Ion Ratio Lower Upper

65 100

67 54.6 0.0 102.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. 0.000 min

Lab File: VD076180.D

Acq: 22 May 2023 17:22

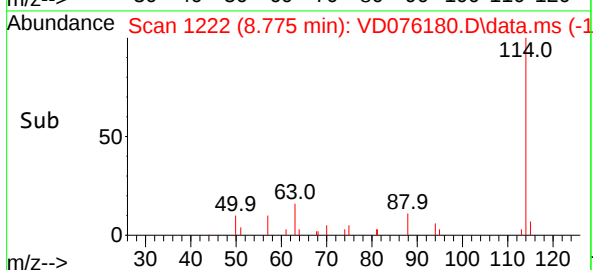
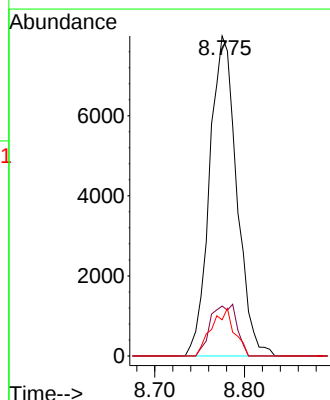
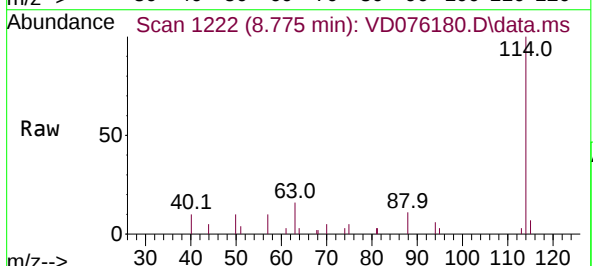
Tgt Ion: 114 Resp: 16809

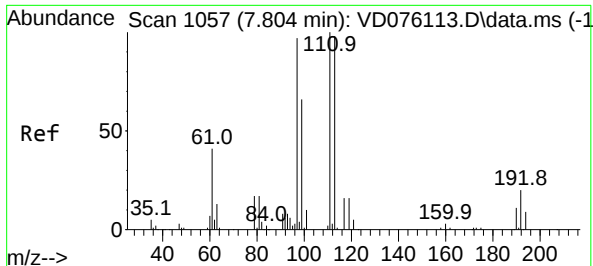
Ion Ratio Lower Upper

114 100

63 15.6 0.0 41.6

88 11.3 0.0 30.6

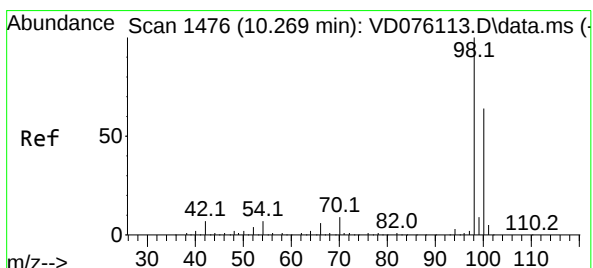
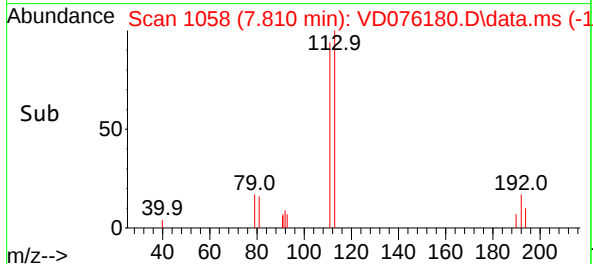
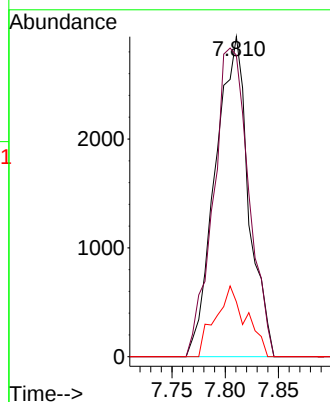
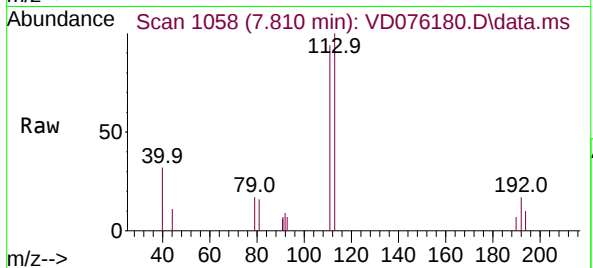




#35
Dibromofluoromethane
Concen: 55.135 ug/l
RT: 7.810 min Scan# 1058
Delta R.T. 0.005 min
Lab File: VD076180.D
Acq: 22 May 2023 17:22

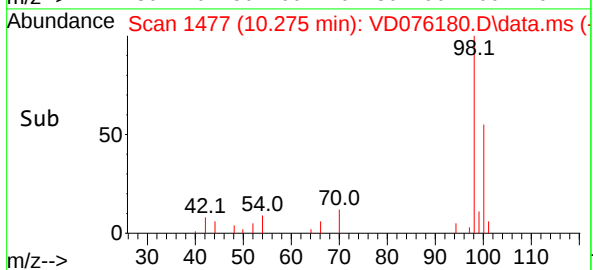
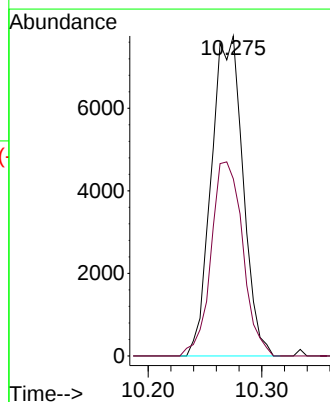
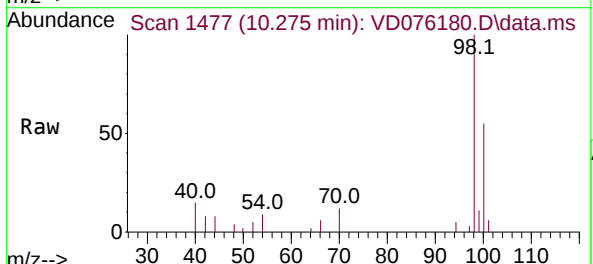
Instrument :
MSVOA_D
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EO-01-051823

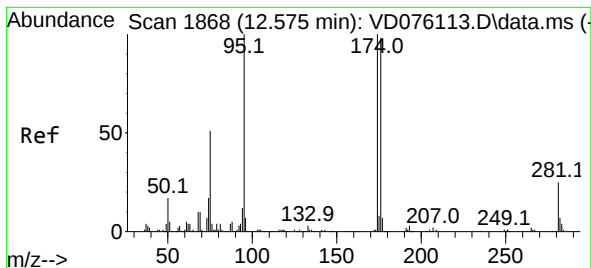
Tgt Ion:113	Resp:	6406
Ion	Ratio	Lower Upper
113	100	
111	102.2	81.4 122.0
192	20.4	15.2 22.8



#50
Toluene-d8
Concen: 32.990 ug/l
RT: 10.275 min Scan# 1477
Delta R.T. 0.006 min
Lab File: VD076180.D
Acq: 22 May 2023 17:22

Tgt Ion: 98	Resp:	14942
Ion	Ratio	Lower Upper
98	100	
100	60.8	52.1 78.1

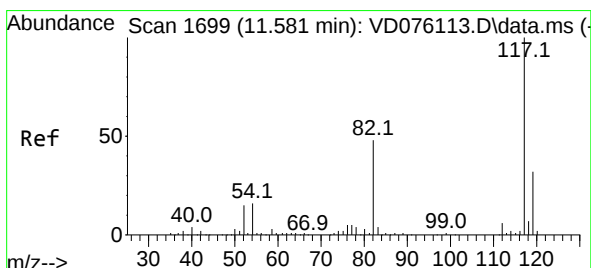
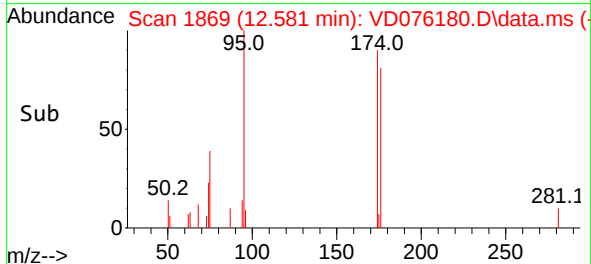
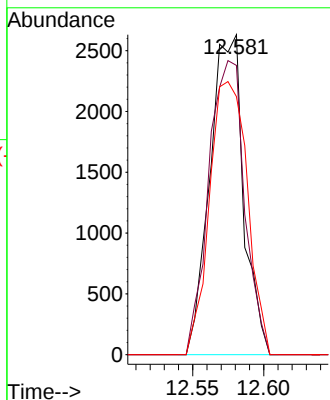
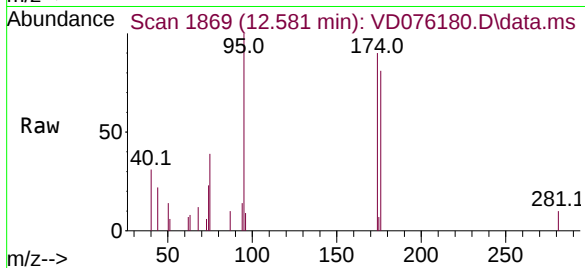




#62
4-Bromofluorobenzene
Concen: 34.407 ug/l
RT: 12.581 min Scan# 1869
Delta R.T. 0.006 min
Lab File: VD076180.D
Acq: 22 May 2023 17:22

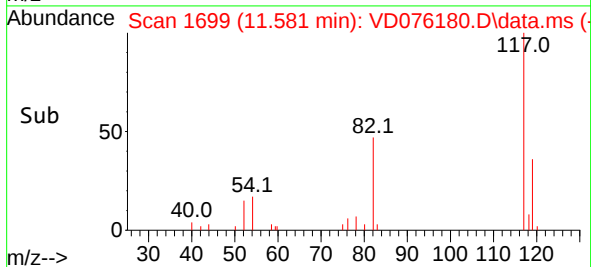
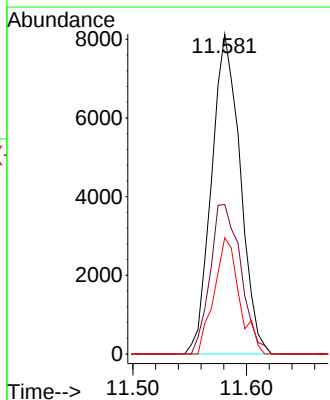
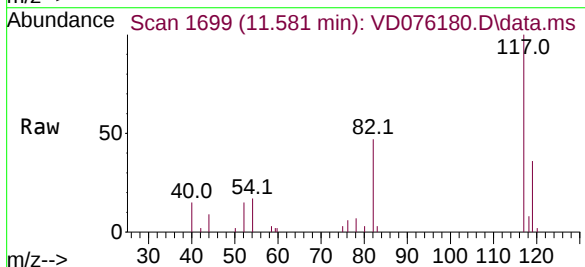
Instrument :
MSVOA_D
ClientSampleId :
EO-01-051823

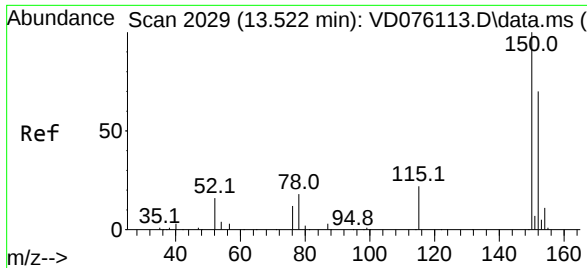
Tgt Ion: 95 Resp: 4329
Ion Ratio Lower Upper
95 100
174 98.2 0.0 164.0
176 96.1 0.0 156.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD076180.D
Acq: 22 May 2023 17:22

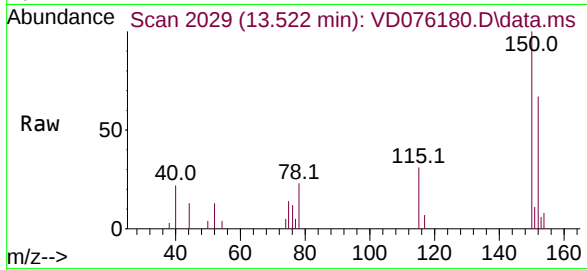
Tgt Ion: 117 Resp: 14240
Ion Ratio Lower Upper
117 100
82 46.7 44.0 66.0
119 36.3 25.1 37.7





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.522 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VD076180.D
 Acq: 22 May 2023 17:22

Instrument :
 MSVOA_D
 ClientSampleId :
 EO-01-051823



Tgt Ion:	152	Resp:	5439
Ion	Ratio	Lower	Upper
152	100		
115	51.5	30.1	90.3
150	167.0	0.0	364.8

