

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD041223\
 Data File : VD075638.D
 Acq On : 12 Apr 2023 14:19
 Operator : KP/SY
 Sample : 02260-03
 Misc : 5.05G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SP-1A

Quant Time: Apr 13 07:27:07 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D041023S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 12 10:29:09 2023
 Response via : Initial Calibration

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

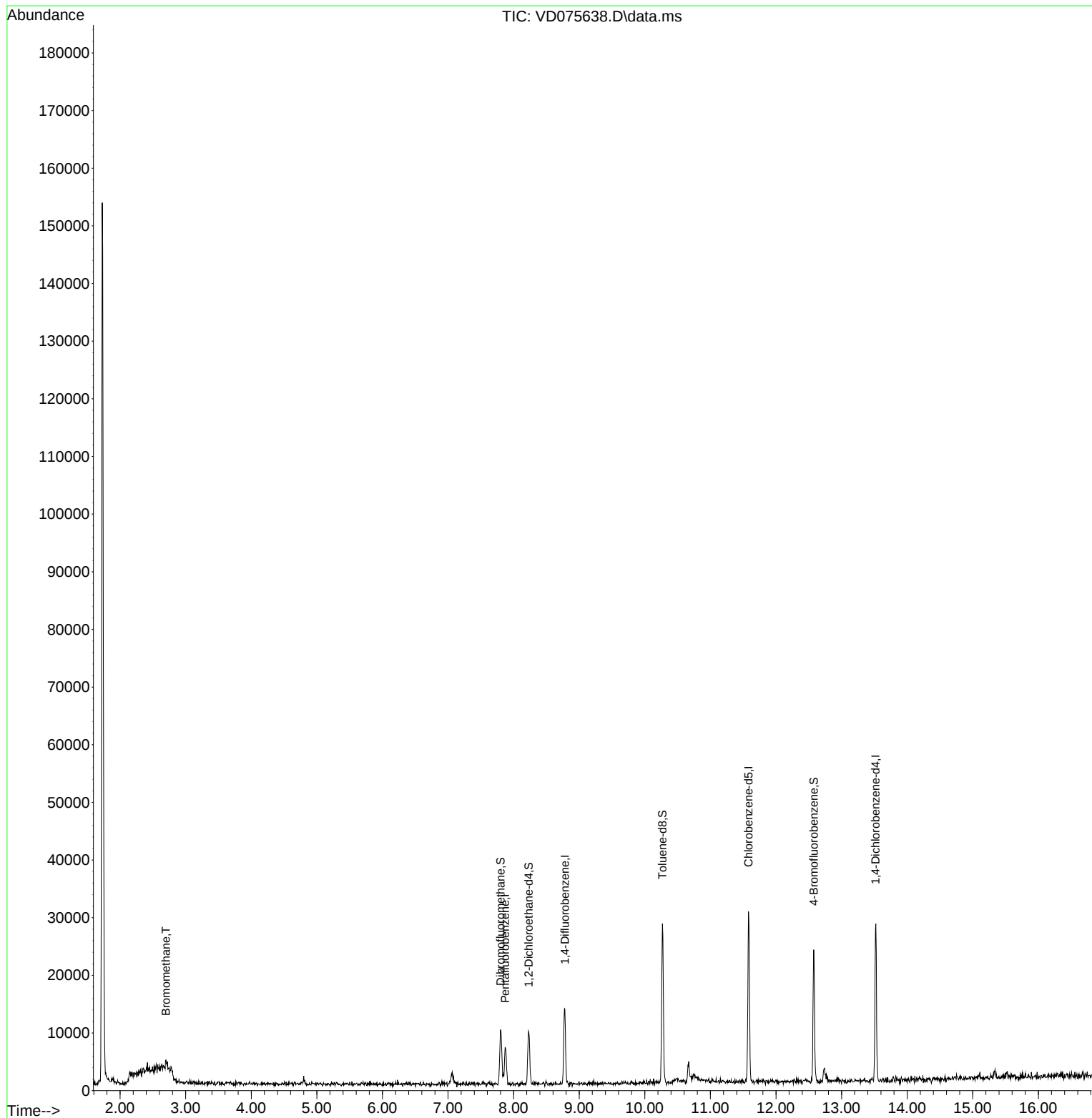
Internal Standards						
1) Pentafluorobenzene	7.869	168	6515	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	14276	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	20158	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	8600	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	7223	135.146	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 270.300%#	
35) Dibromofluoromethane	7.799	113	7320	87.491	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 174.980%#	
50) Toluene-d8	10.269	98	22565	68.761	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 137.520%	
62) 4-Bromofluorobenzene	12.575	95	7125	73.800	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 147.600%#	
Target Compounds						Qvalue
5) Bromomethane	2.699	94	1018	11.409	ug/l	98

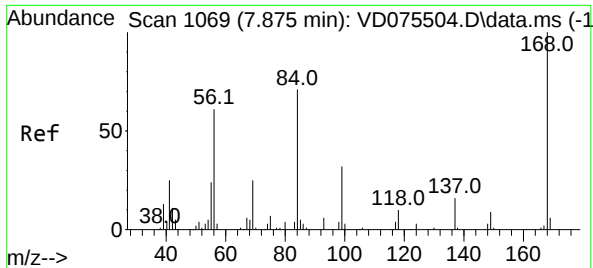
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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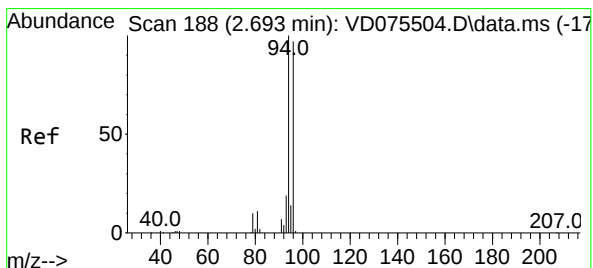
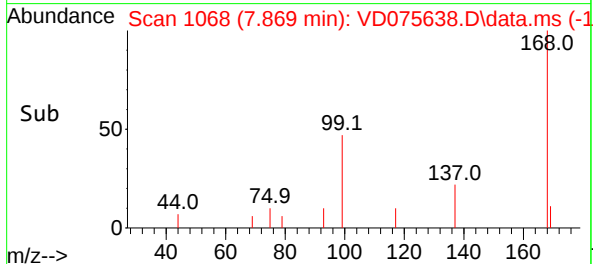
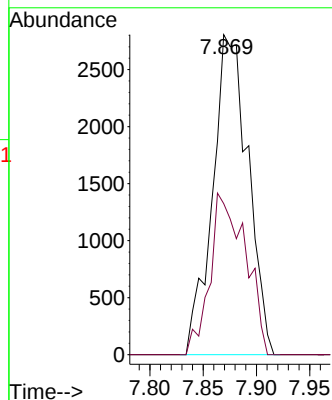
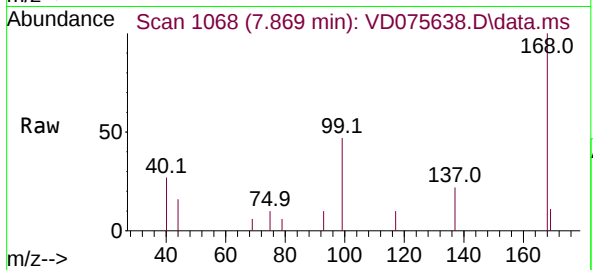




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.869 min Scan# 1068
Delta R.T. -0.006 min
Lab File: VD075638.D
Acq: 12 Apr 2023 14:19

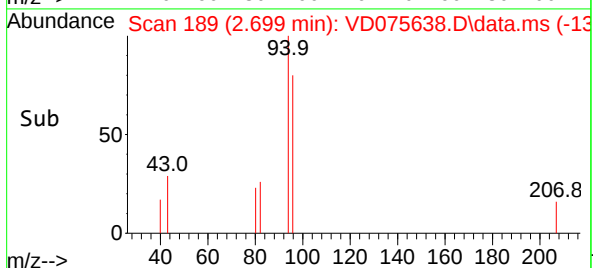
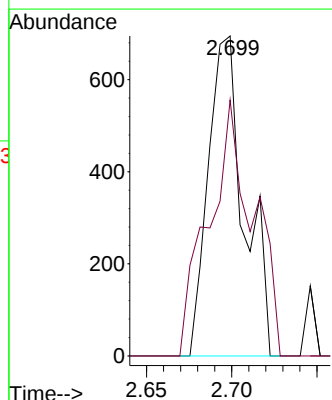
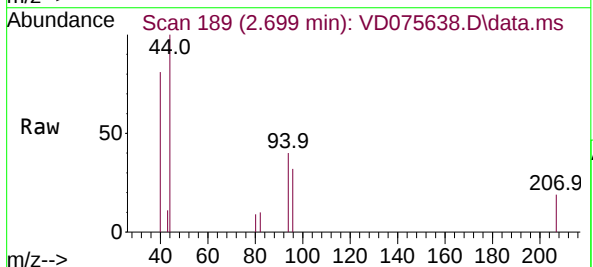
Instrument :
MSVOA_D
ClientSampleId :
SP-1A

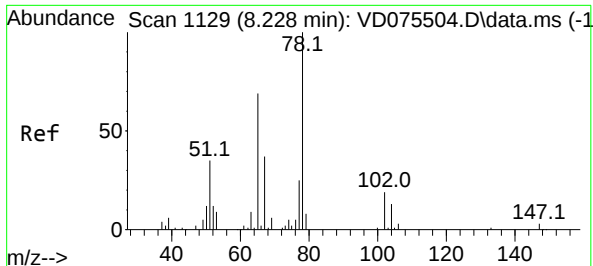
Tgt Ion:168 Resp: 6515
Ion Ratio Lower Upper
168 100
99 47.2 43.8 65.6



#5
Bromomethane
Concen: 11.409 ug/l
RT: 2.699 min Scan# 189
Delta R.T. 0.006 min
Lab File: VD075638.D
Acq: 12 Apr 2023 14:19

Tgt Ion: 94 Resp: 1018
Ion Ratio Lower Upper
94 100
96 99.1 77.5 116.3





#33

1,2-Dichloroethane-d4

Concen: 135.146 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VD075638.D

Acq: 12 Apr 2023 14:19

Instrument :

MSVOA_D

ClientSampleId :

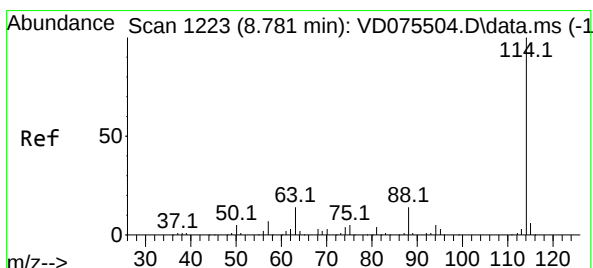
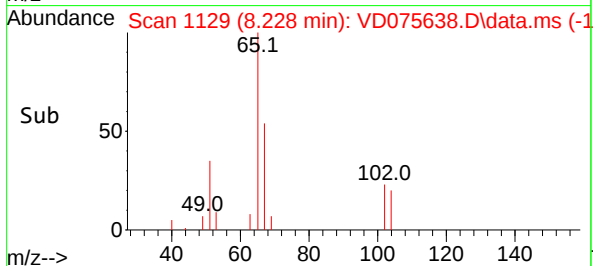
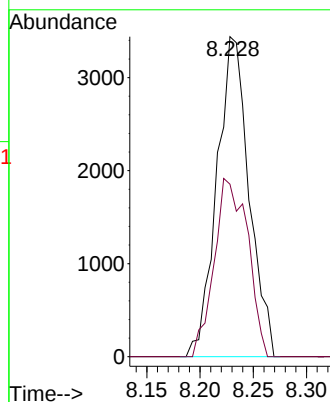
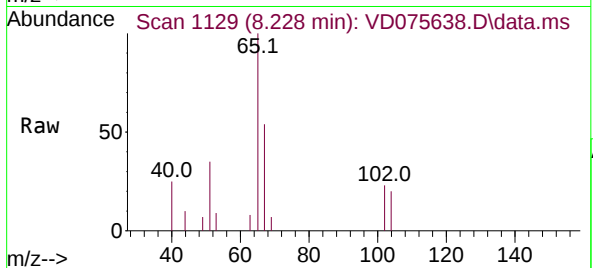
SP-1A

Tgt Ion: 65 Resp: 7223

Ion Ratio Lower Upper

65 100

67 58.0 0.0 102.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 1223

Delta R.T. 0.000 min

Lab File: VD075638.D

Acq: 12 Apr 2023 14:19

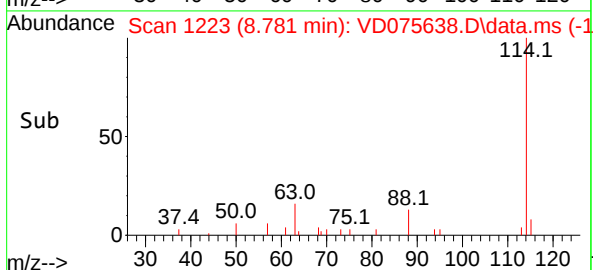
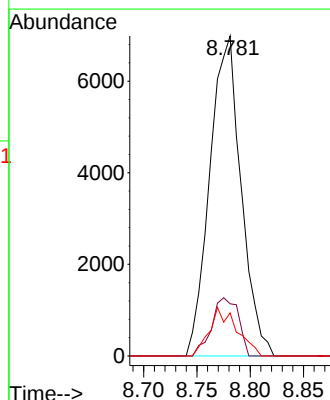
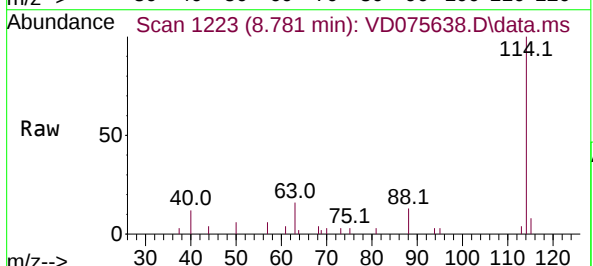
Tgt Ion: 114 Resp: 14276

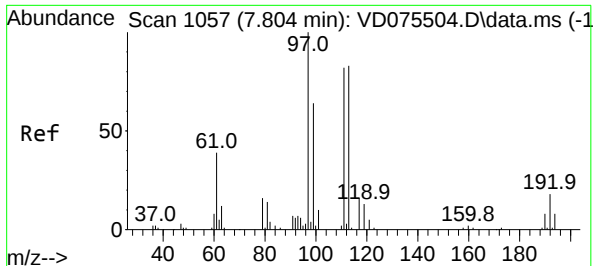
Ion Ratio Lower Upper

114 100

63 16.3 0.0 41.6

88 13.5 0.0 30.6





#35

Dibromofluoromethane

Concen: 87.491 ug/l

RT: 7.799 min Scan# 1056

Delta R.T. -0.006 min

Lab File: VD075638.D

Acq: 12 Apr 2023 14:19

Instrument :

MSVOA_D

ClientSampleId :

SP-1A

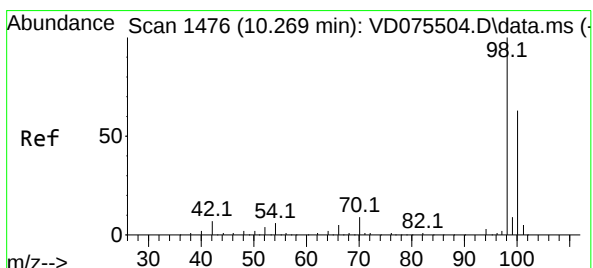
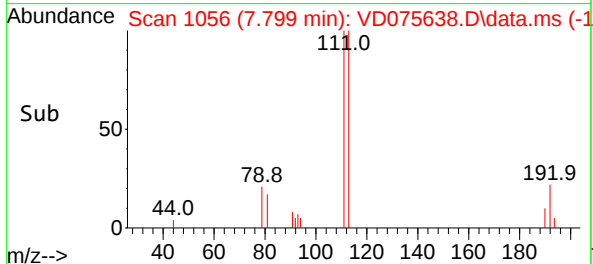
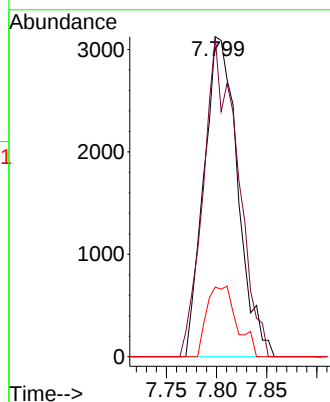
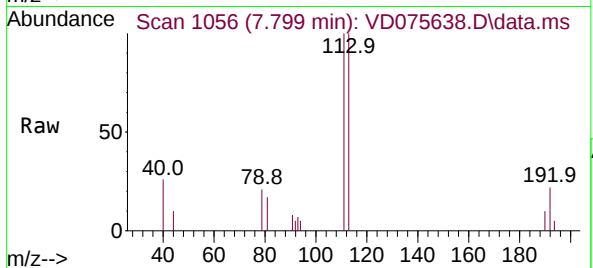
Tgt Ion:113 Resp: 7320

Ion Ratio Lower Upper

113 100

111 101.2 81.4 122.0

192 19.5 15.2 22.8



#50

Toluene-d8

Concen: 68.761 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD075638.D

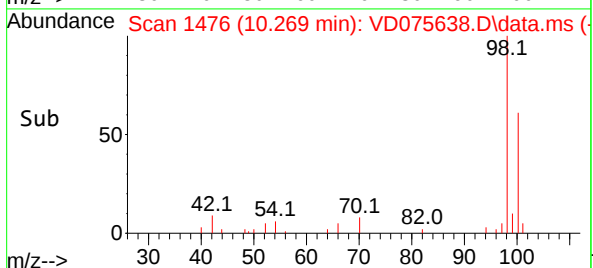
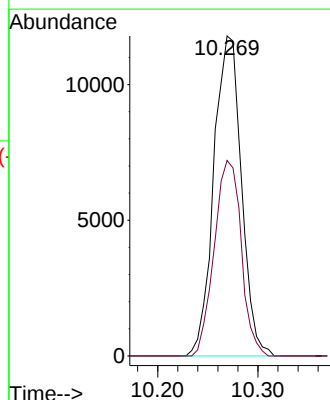
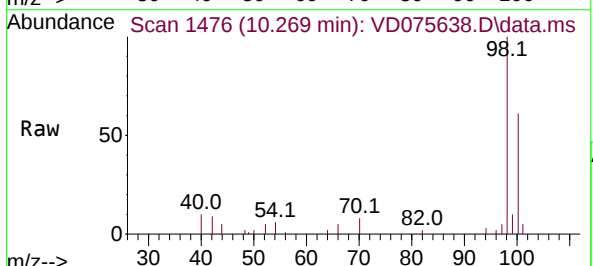
Acq: 12 Apr 2023 14:19

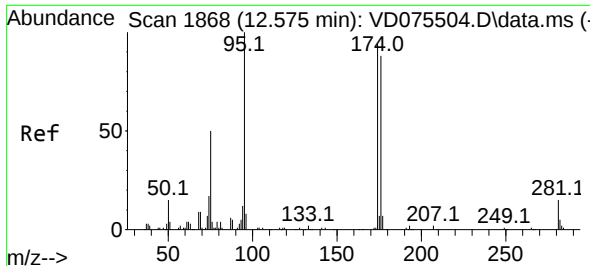
Tgt Ion: 98 Resp: 22565

Ion Ratio Lower Upper

98 100

100 59.7 52.1 78.1

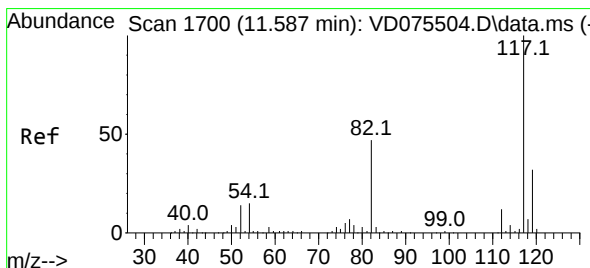
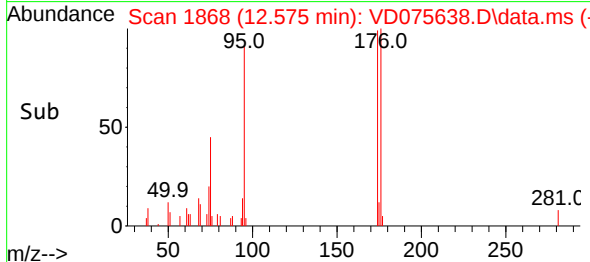
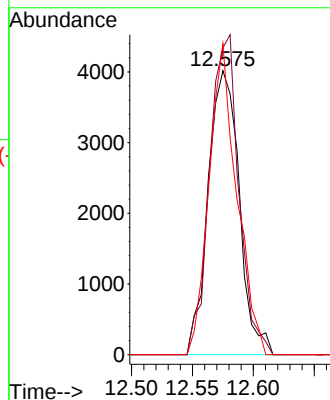
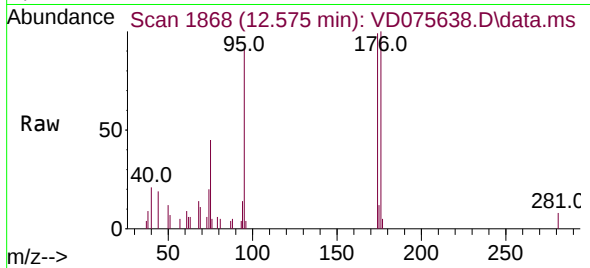




#62
4-Bromofluorobenzene
Concen: 73.800 ug/l
RT: 12.575 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD075638.D
Acq: 12 Apr 2023 14:19

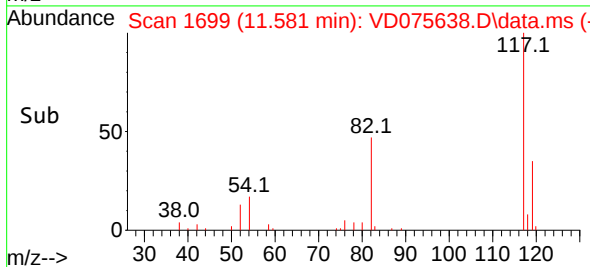
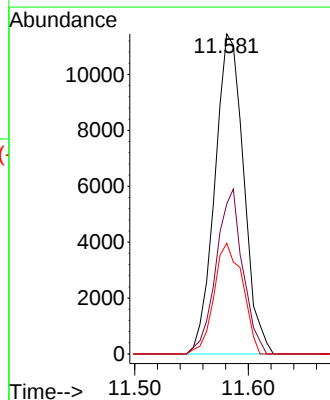
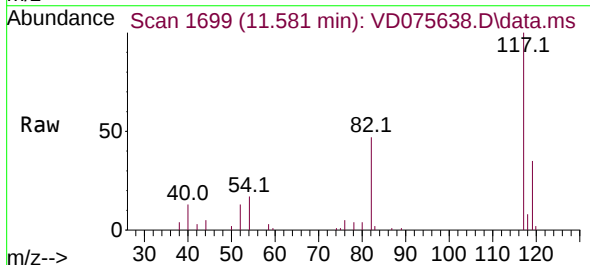
Instrument :
MSVOA_D
ClientSampleId :
SP-1A

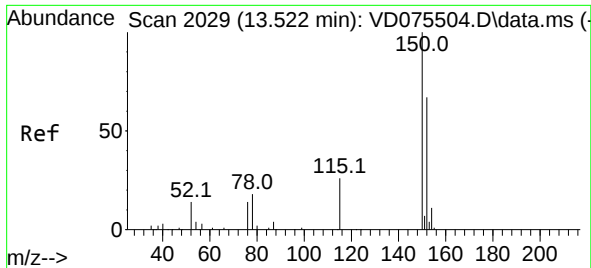
Tgt Ion:	95	Resp:	7125
Ion	Ratio	Lower	Upper
95	100		
174	106.3	0.0	164.0
176	97.9	0.0	156.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.006 min
Lab File: VD075638.D
Acq: 12 Apr 2023 14:19

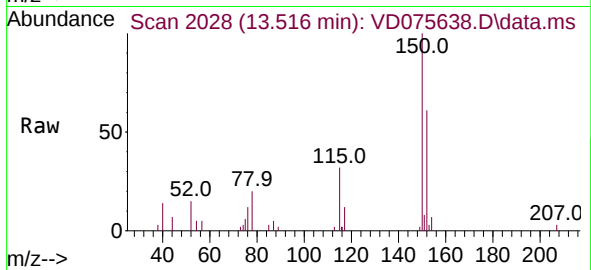
Tgt Ion:	117	Resp:	20158
Ion	Ratio	Lower	Upper
117	100		
82	46.9	44.0	66.0
119	34.6	25.1	37.7





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.516 min Scan# 20
 Delta R.T. -0.006 min
 Lab File: VD075638.D
 Acq: 12 Apr 2023 14:19

Instrument :
 MSVOA_D
 ClientSampleId :
 SP-1A



Tgt Ion:	152	Resp:	8600
Ion	Ratio	Lower	Upper
152	100		
115	56.5	30.1	90.3
150	162.7	0.0	364.8

