

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD091923\
 Data File : VD077148.D
 Acq On : 19 Sep 2023 16:04
 Operator : JC/SY
 Sample : 04432-01RE
 Misc : 5.05G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 PILE-1RE

Quant Time: Sep 20 02:03:02 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	7.869	168	5091	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	12699	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	15353	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	7469	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	4846	94.319	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 188.640%#	
35) Dibromofluoromethane	7.804	113	5856	66.390	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 132.780%	
50) Toluene-d8	10.269	98	17049	54.303	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 108.600%	
62) 4-Bromofluorobenzene	12.569	95	6470	66.488	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 132.980%	

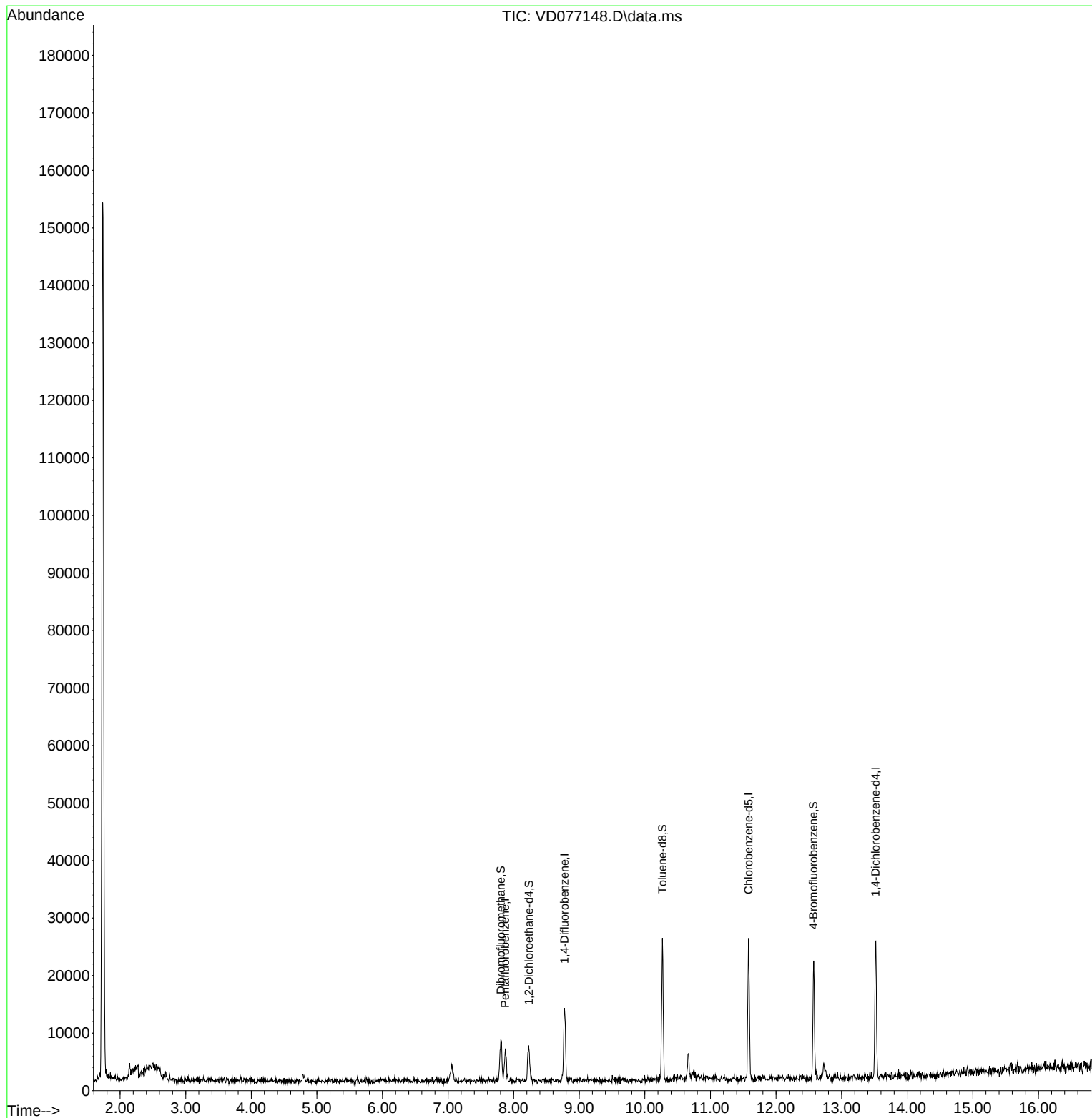
Target Compounds	Qvalue

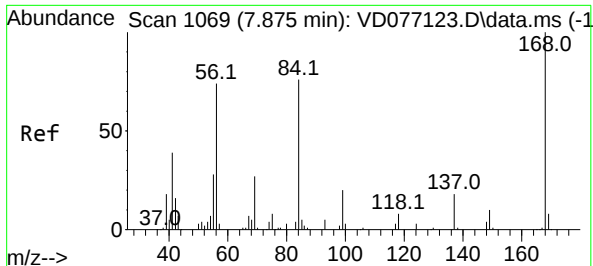
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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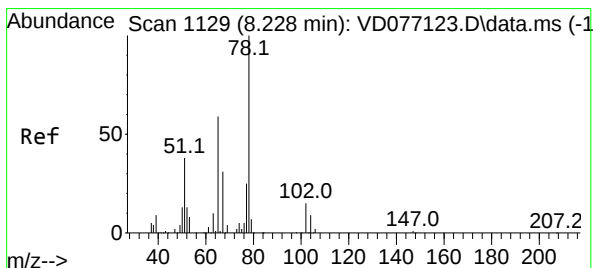
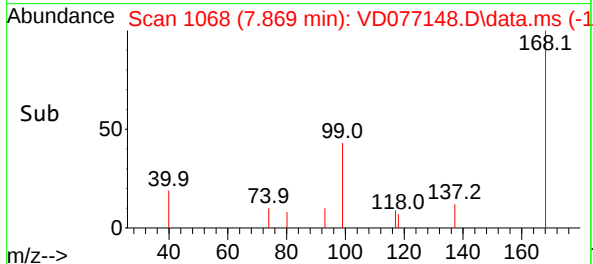
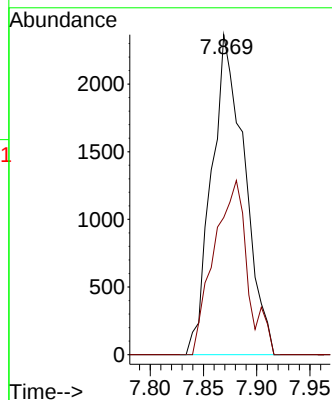
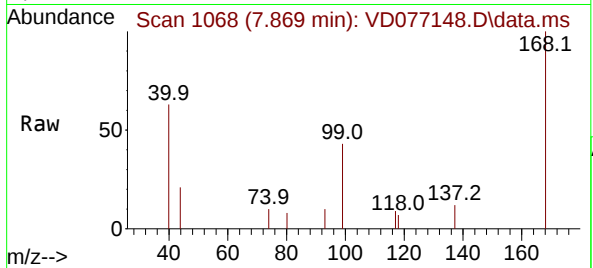




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.869 min Scan# 110
Delta R.T. -0.006 min
Lab File: VD077148.D
Acq: 19 Sep 2023 16:04

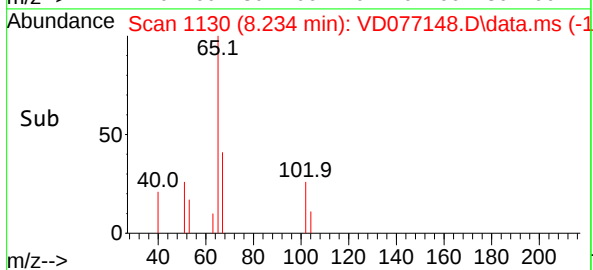
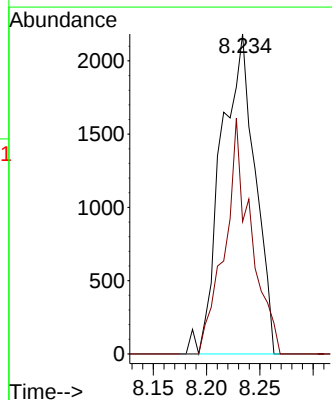
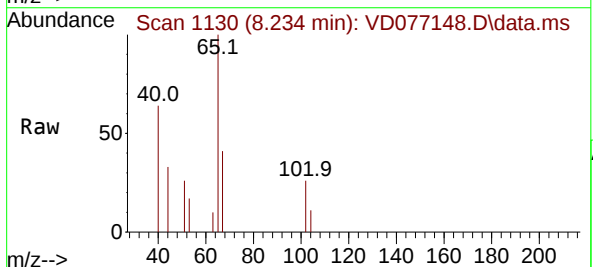
Instrument :
MSVOA_D
ClientSampleId :
PILE-1RE

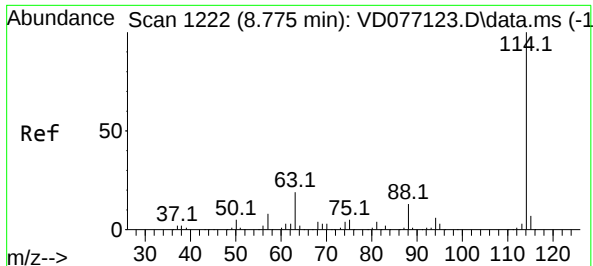
Tgt Ion:168 Resp: 5091
Ion Ratio Lower Upper
168 100
99 42.9 36.7 55.1



#33
1,2-Dichloroethane-d4
Concen: 94.319 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. 0.006 min
Lab File: VD077148.D
Acq: 19 Sep 2023 16:04

Tgt Ion: 65 Resp: 4846
Ion Ratio Lower Upper
65 100
67 56.9 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: VD077148.D

Acq: 19 Sep 2023 16:04

Instrument :

MSVOA_D

ClientSampleId :

PILE-1RE

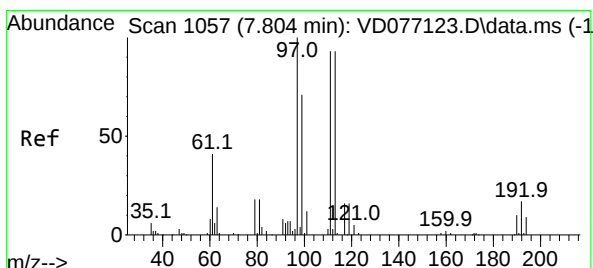
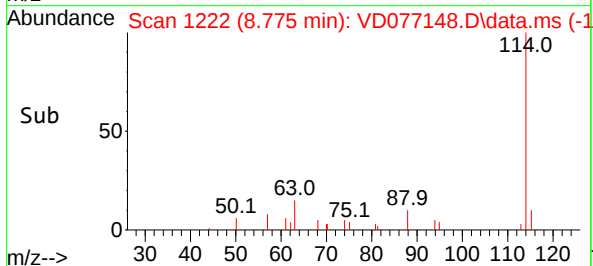
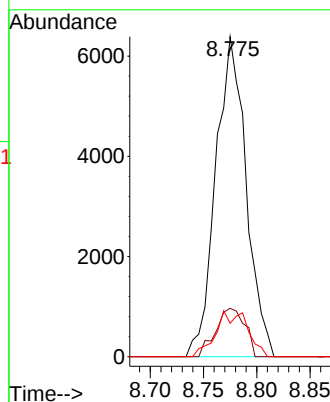
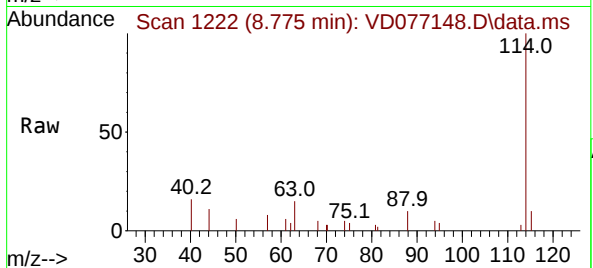
Tgt Ion:114 Resp: 12699

Ion Ratio Lower Upper

114 100

63 15.1 0.0 33.4

88 10.4 0.0 26.2



#35

Dibromofluoromethane

Concen: 66.390 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VD077148.D

Acq: 19 Sep 2023 16:04

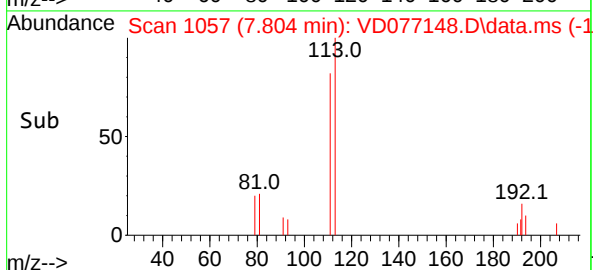
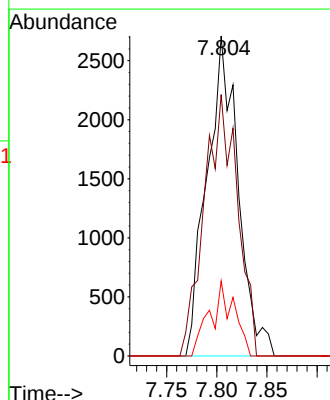
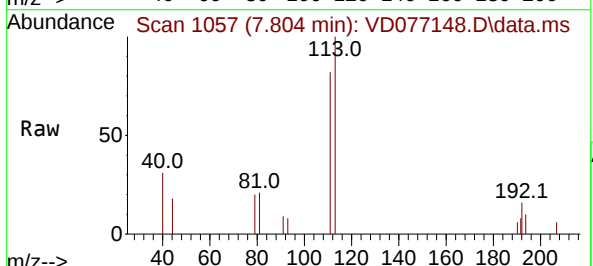
Tgt Ion:113 Resp: 5856

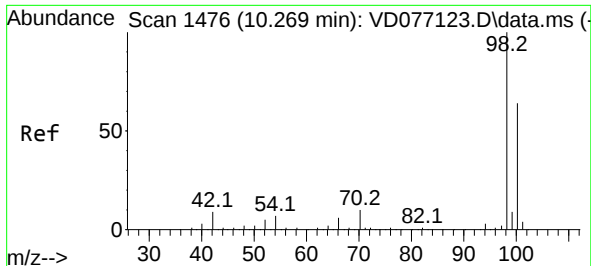
Ion Ratio Lower Upper

113 100

111 86.6 84.7 127.1

192 18.1 16.8 25.2

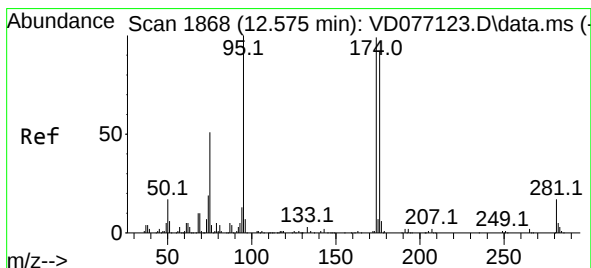
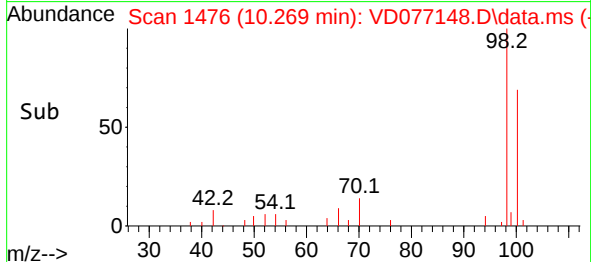
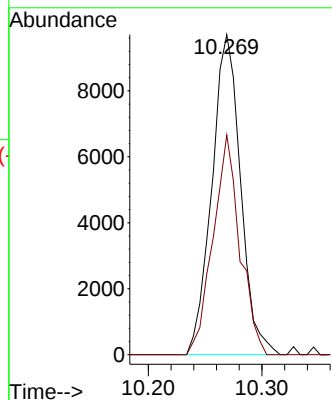
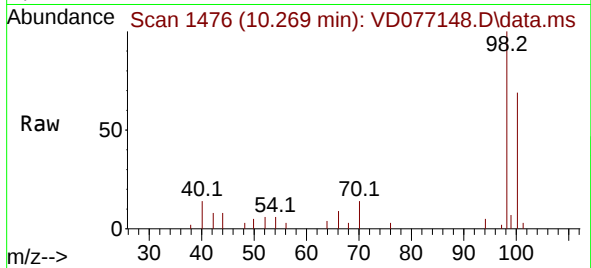




#50
Toluene-d8
Concen: 54.303 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD077148.D
Acq: 19 Sep 2023 16:04

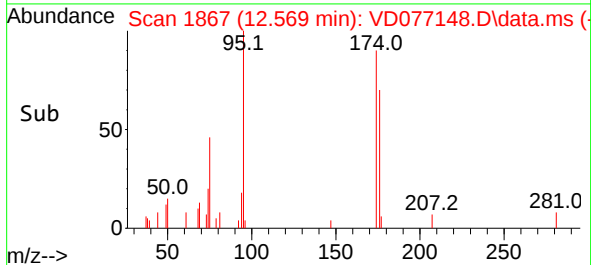
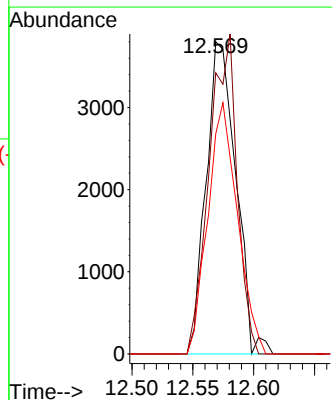
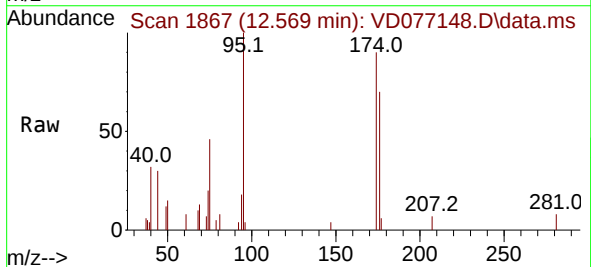
Instrument :
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ClientSampleId :
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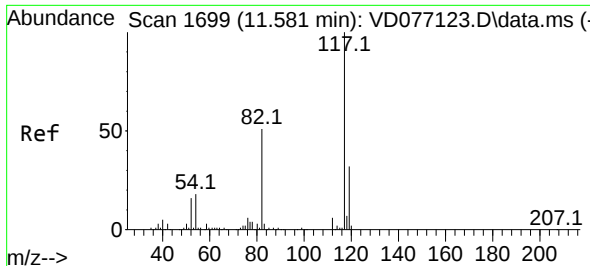
Tgt Ion: 98 Resp: 17049
Ion Ratio Lower Upper
98 100
100 64.1 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 66.488 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.006 min
Lab File: VD077148.D
Acq: 19 Sep 2023 16:04

Tgt Ion: 95 Resp: 6470
Ion Ratio Lower Upper
95 100
174 95.9 0.0 201.8
176 80.2 0.0 191.8

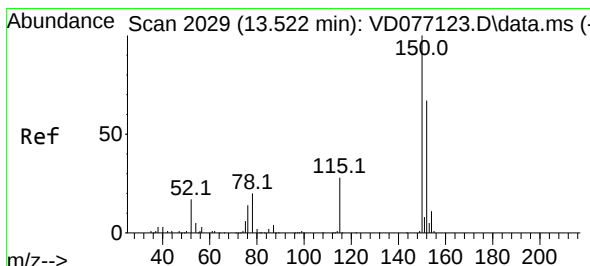
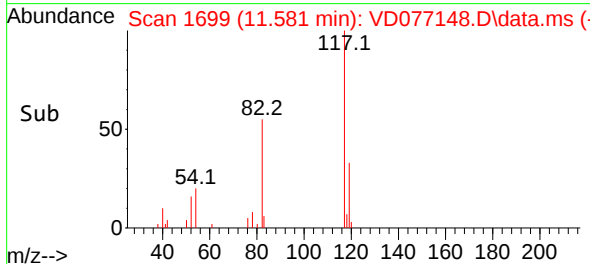
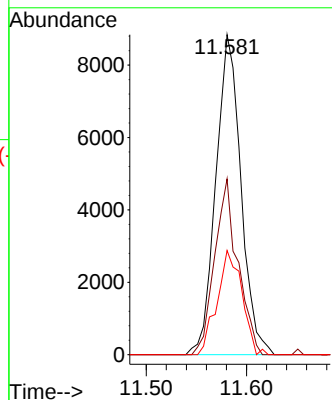
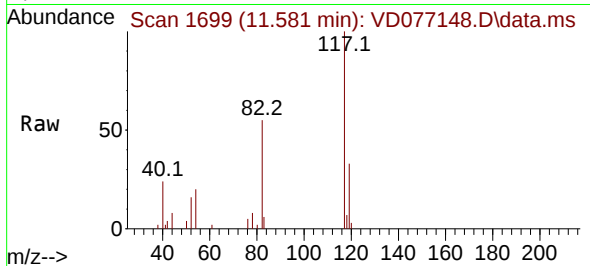




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD077148.D
Acq: 19 Sep 2023 16:04

Instrument :
MSVOA_D
ClientSampleId :
PILE-1RE

Tgt Ion:	117	Resp:	15353
Ion	Ratio	Lower	Upper
117	100		
82	55.0	38.3	57.5
119	32.6	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: VD077148.D
Acq: 19 Sep 2023 16:04

Tgt Ion:	152	Resp:	7469
Ion	Ratio	Lower	Upper
152	100		
115	56.4	27.1	81.3
150	151.7	0.0	353.6

