

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102623\
 Data File : VD077432.D
 Acq On : 26 Oct 2023 17:36
 Operator : JC/SY
 Sample : 05021-01
 Misc : 5.08G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 350

Quant Time: Oct 27 07:48:46 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101723S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 18 03:02:43 2023
 Response via : Initial Calibration

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

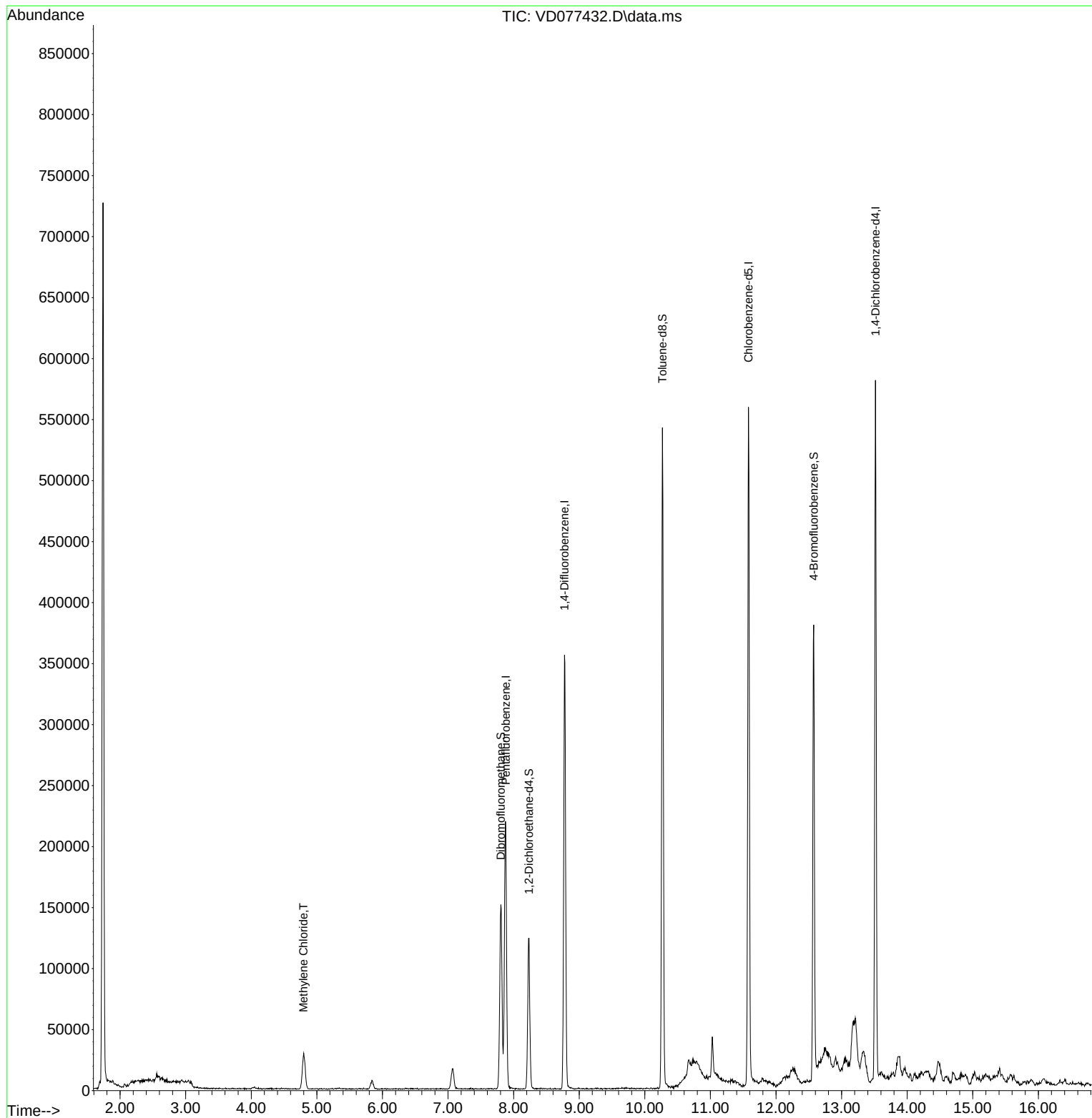
Internal Standards						
1) Pentafluorobenzene	7.881	168	176254	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	342456	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	351057	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	159069	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	93977	59.712	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	119.420%
35) Dibromofluoromethane	7.805	113	114715	47.681	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	95.360%
50) Toluene-d8	10.269	98	385608	44.753	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	89.500%
62) 4-Bromofluorobenzene	12.575	95	114564	46.190	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	92.380%
Target Compounds						
					Qvalue	
20) Methylene Chloride	4.793	84	24753	7.826	ug/l	94

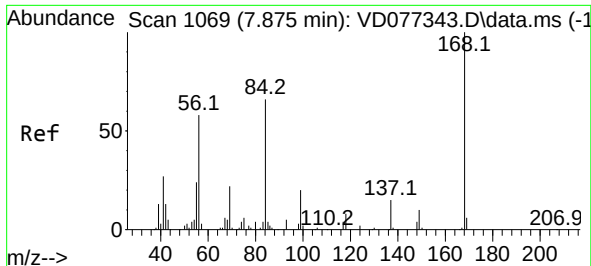
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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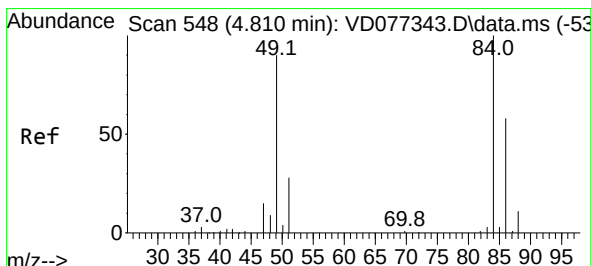
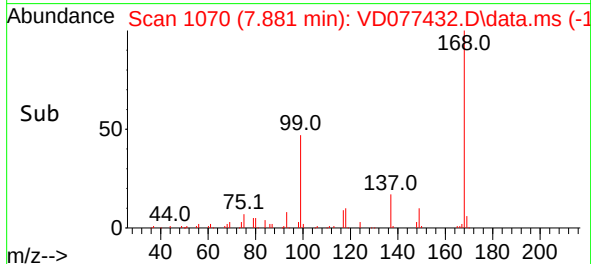
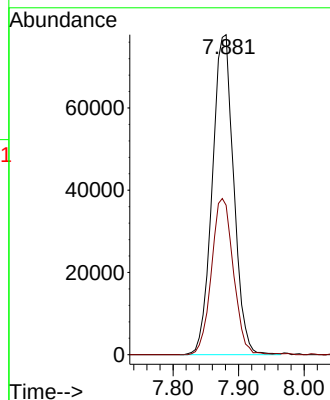
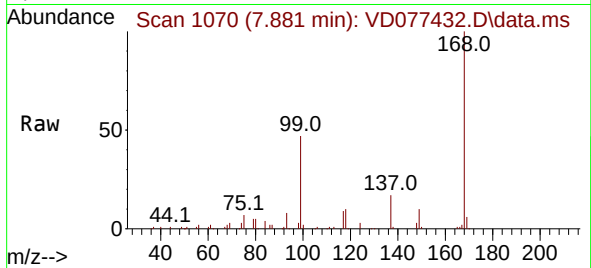




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.881 min Scan# 1069
Delta R.T. 0.006 min
Lab File: VD077432.D
Acq: 26 Oct 2023 17:36

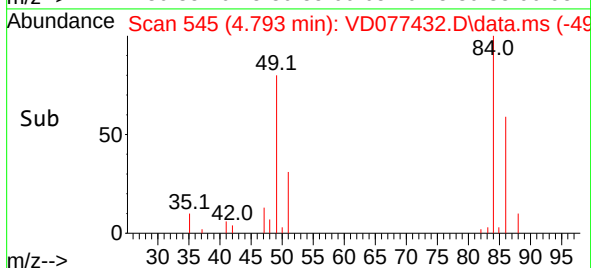
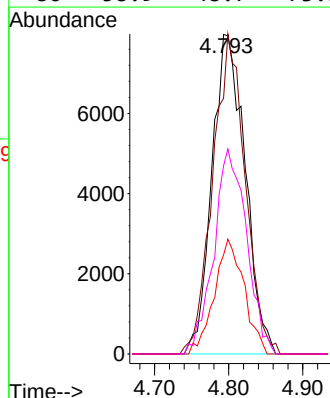
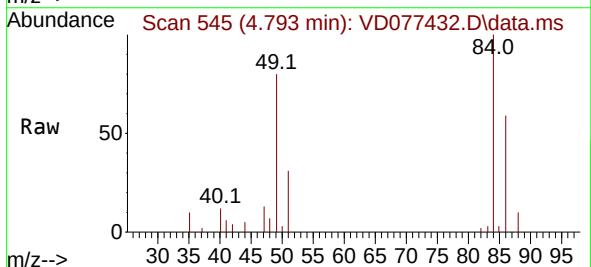
Instrument :
MSVOA_D
ClientSampleId :
350

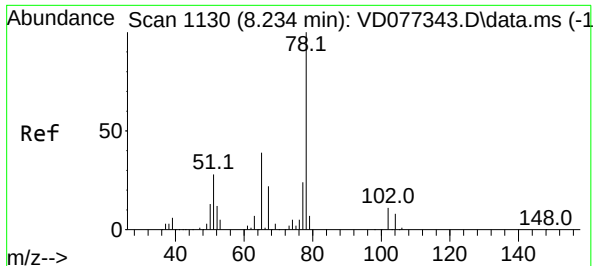
Tgt Ion:168 Resp: 176254
Ion Ratio Lower Upper
168 100
99 46.7 36.7 55.1



#20
Methylene Chloride
Concen: 7.826 ug/l
RT: 4.793 min Scan# 545
Delta R.T. -0.017 min
Lab File: VD077432.D
Acq: 26 Oct 2023 17:36

Tgt Ion: 84 Resp: 24753
Ion Ratio Lower Upper
84 100
49 80.0 71.4 107.2
51 31.0 24.5 36.7
86 58.9 48.7 73.1





#33

1,2-Dichloroethane-d4

Concen: 59.712 ug/l

RT: 8.234 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VD077432.D

Acq: 26 Oct 2023 17:36

Instrument :

MSVOA_D

ClientSampleId :

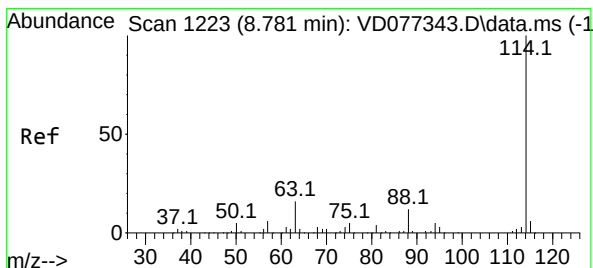
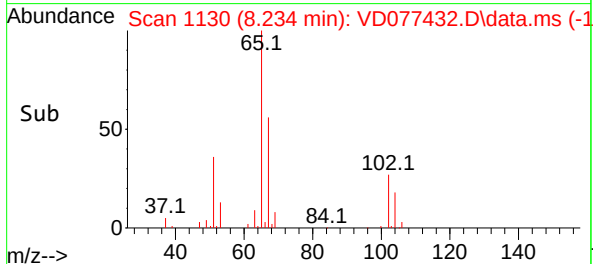
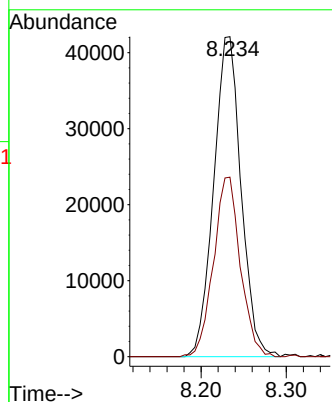
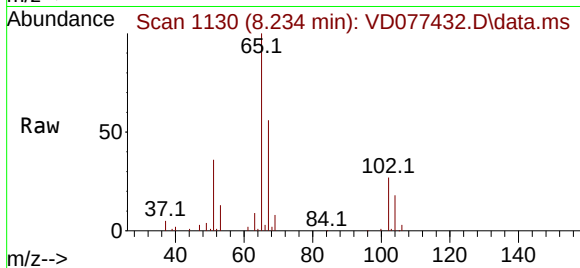
350

Tgt Ion: 65 Resp: 93977

Ion Ratio Lower Upper

65 100

67 55.0 0.0 115.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. -0.006 min

Lab File: VD077432.D

Acq: 26 Oct 2023 17:36

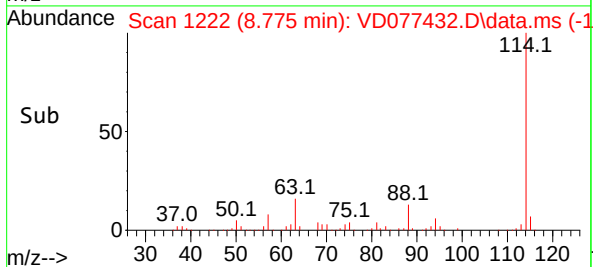
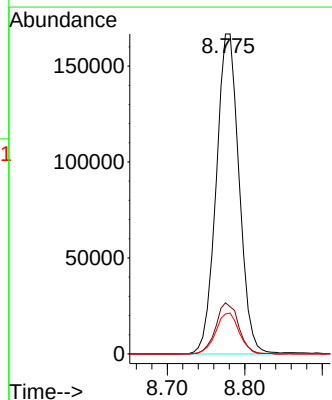
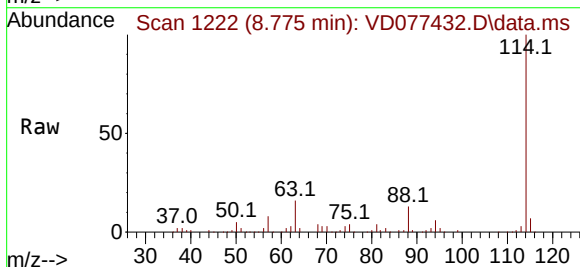
Tgt Ion: 114 Resp: 342456

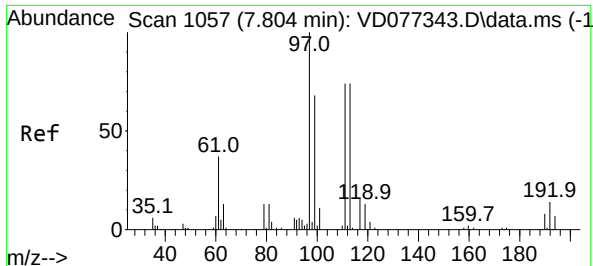
Ion Ratio Lower Upper

114 100

63 16.0 0.0 33.4

88 12.5 0.0 26.2





#35

Dibromofluoromethane

Concen: 47.681 ug/l

RT: 7.805 min Scan# 113

Delta R.T. 0.001 min

Lab File: VD077432.D

Acq: 26 Oct 2023 17:36

Instrument :

MSVOA_D

ClientSampleId :

350

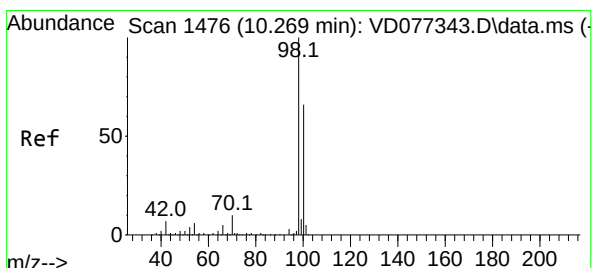
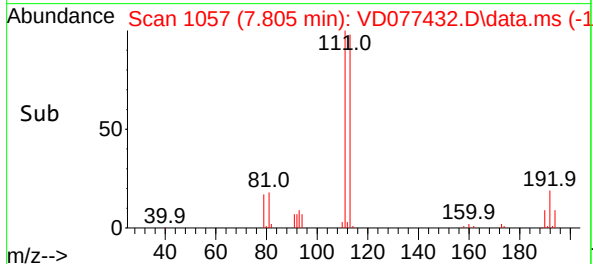
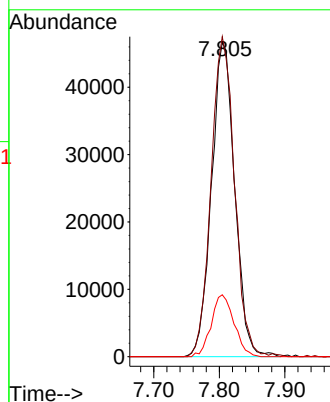
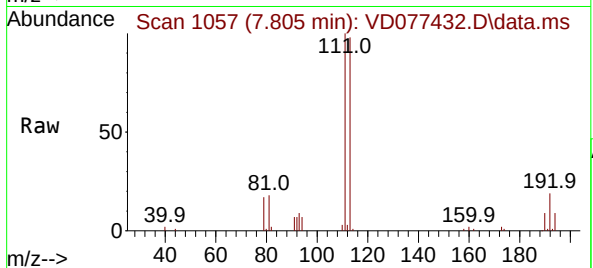
Tgt Ion:113 Resp: 114715

Ion Ratio Lower Upper

113 100

111 102.4 84.7 127.1

192 19.3 16.8 25.2



#50

Toluene-d8

Concen: 44.753 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD077432.D

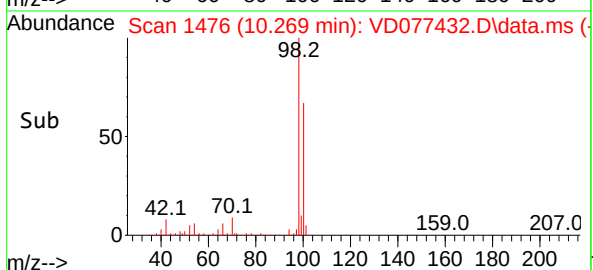
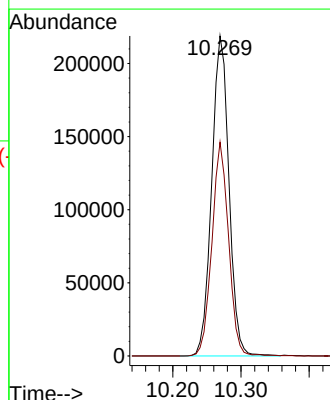
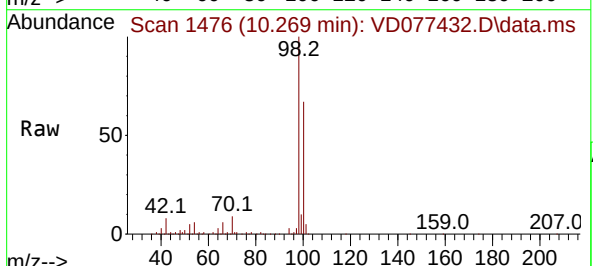
Acq: 26 Oct 2023 17:36

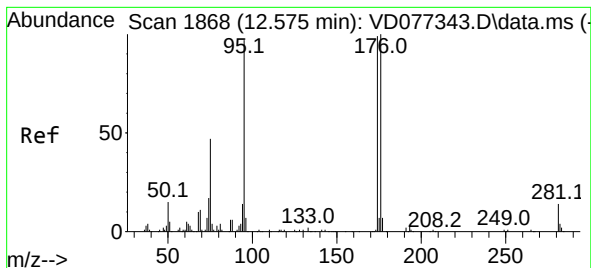
Tgt Ion: 98 Resp: 385608

Ion Ratio Lower Upper

98 100

100 64.6 50.3 75.5

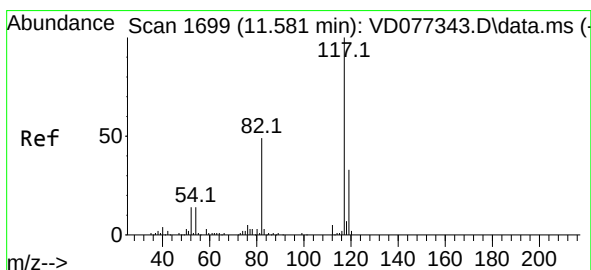
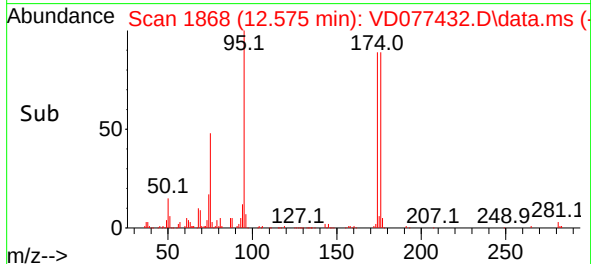
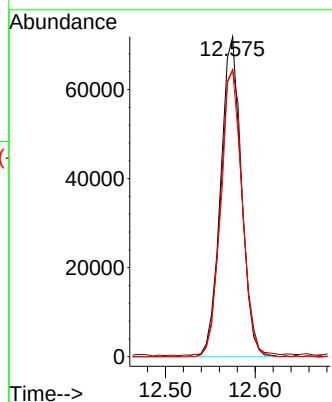
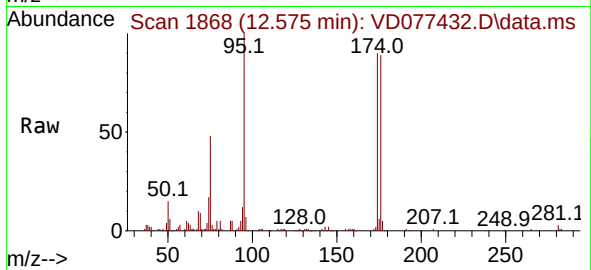




#62
4-Bromofluorobenzene
Concen: 46.190 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD077432.D
Acq: 26 Oct 2023 17:36

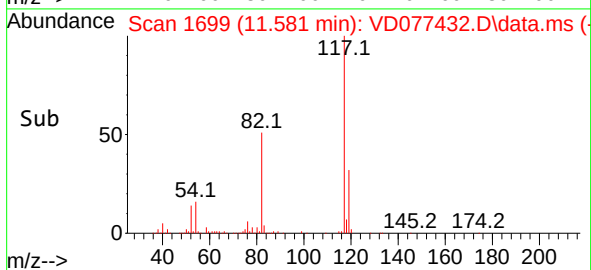
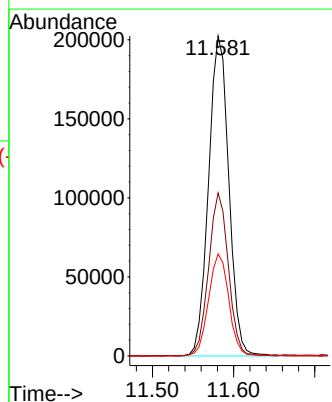
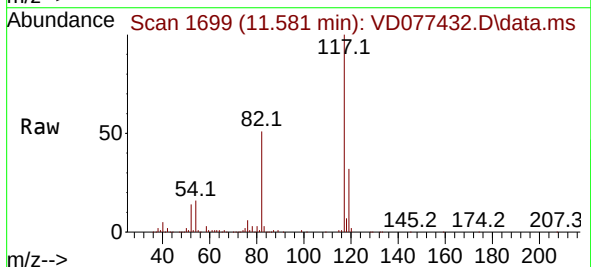
Instrument :
MSVOA_D
ClientSampleId :
350

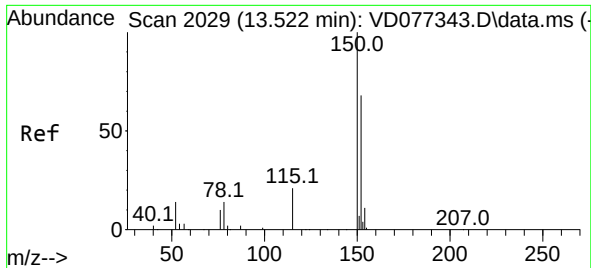
Tgt Ion: 95 Resp: 114564
Ion Ratio Lower Upper
95 100
174 95.4 0.0 201.8
176 92.1 0.0 191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD077432.D
Acq: 26 Oct 2023 17:36

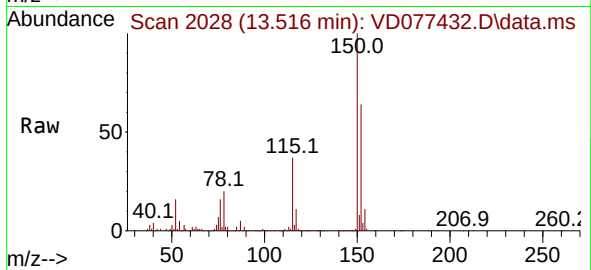
Tgt Ion: 117 Resp: 351057
Ion Ratio Lower Upper
117 100
82 51.0 38.3 57.5
119 31.8 25.0 37.4





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.516 min Scan# 20
 Delta R.T. -0.006 min
 Lab File: VD077432.D
 Acq: 26 Oct 2023 17:36

Instrument :
 MSVOA_D
 ClientSampleId :
 350



Tgt Ion:152 Resp: 159069
 Ion Ratio Lower Upper
 152 100
 115 54.9 27.1 81.3
 150 158.1 0.0 353.6

