

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD032024\
 Data File : VD078713.D
 Acq On : 20 Mar 2024 11:01
 Operator : RP/MD
 Sample : VD0320SBL02
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0320SBL02

Quant Time: Mar 21 04:44:51 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031424S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 15 05:38:03 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.881	168	99267	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	175790	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	167871	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	65680	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	52646	56.591	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	113.180%
35) Dibromofluoromethane	7.810	113	60047	53.053	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	106.100%
50) Toluene-d8	10.269	98	211545	50.822	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	101.640%
62) 4-Bromofluorobenzene	12.575	95	54949	45.123	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	90.240%

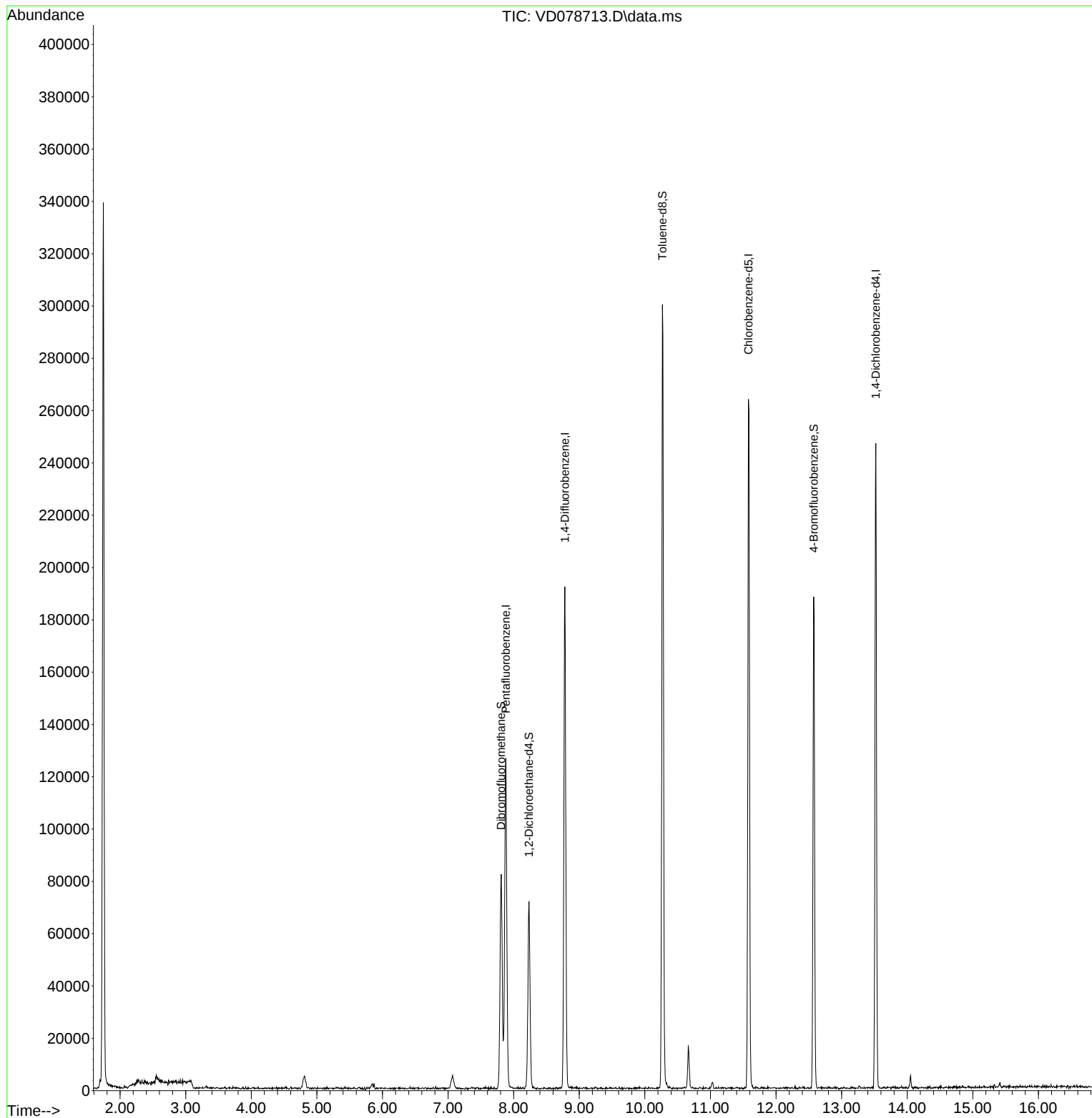
Target Compounds	Qvalue

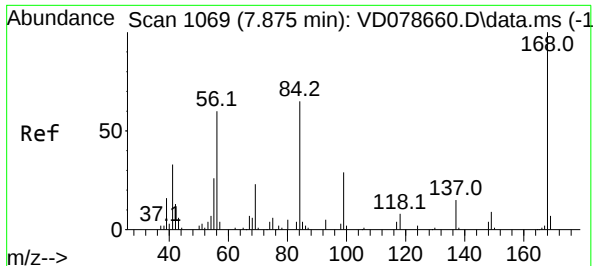
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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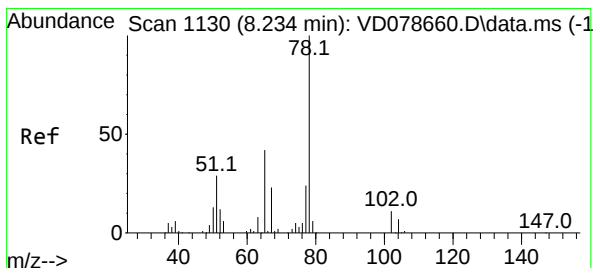
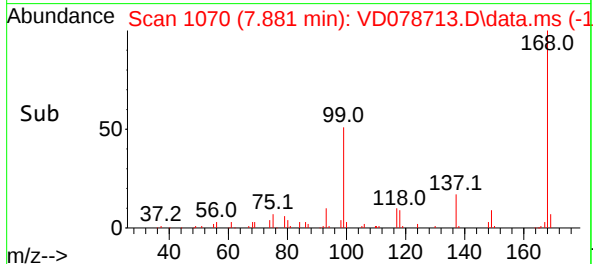
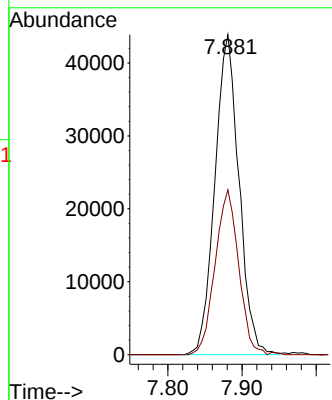
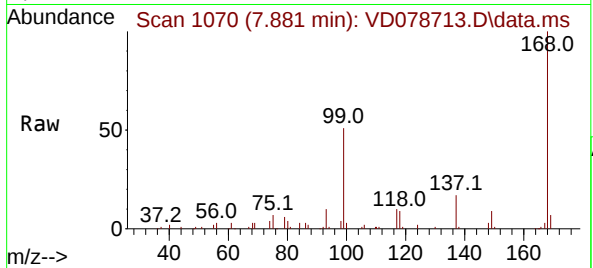




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.881 min Scan# 110
Delta R.T. 0.006 min
Lab File: VD078713.D
Acq: 20 Mar 2024 11:01

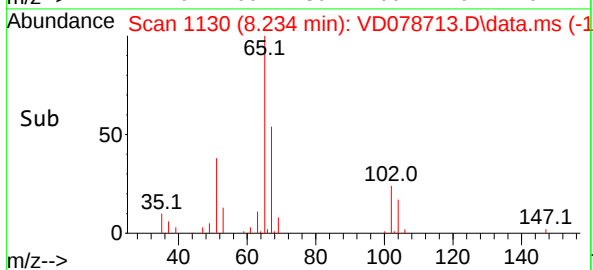
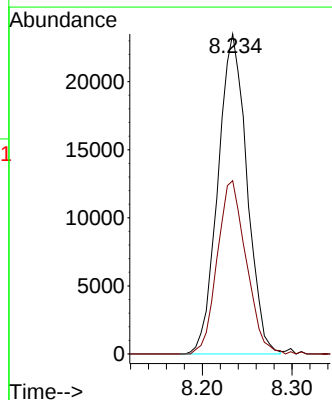
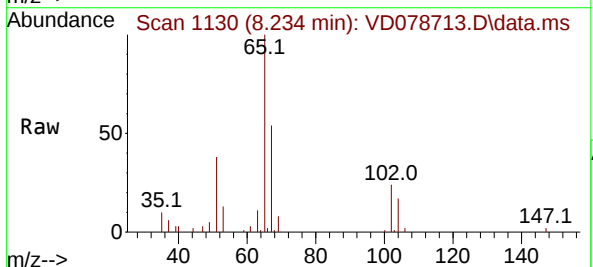
Instrument :
MSVOA_D
ClientSampleId :
VD0320SBL02

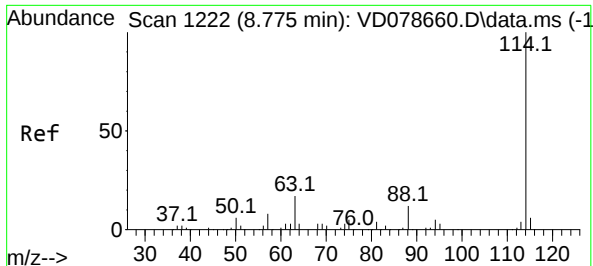
Tgt Ion:168 Resp: 99267
Ion Ratio Lower Upper
168 100
99 51.5 38.8 58.2



#33
1,2-Dichloroethane-d4
Concen: 56.591 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VD078713.D
Acq: 20 Mar 2024 11:01

Tgt Ion: 65 Resp: 52646
Ion Ratio Lower Upper
65 100
67 54.2 0.0 110.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 11

Delta R.T. 0.006 min

Lab File: VD078713.D

Acq: 20 Mar 2024 11:01

Instrument :

MSVOA_D

ClientSampleId :

VD0320SBL02

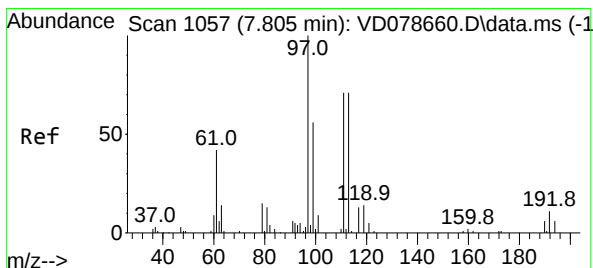
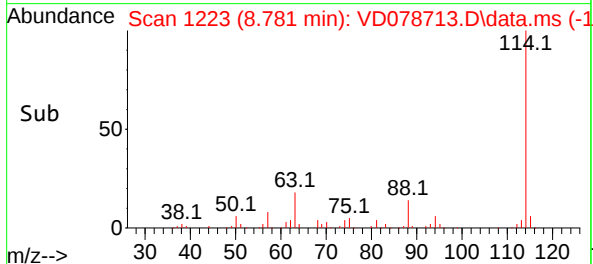
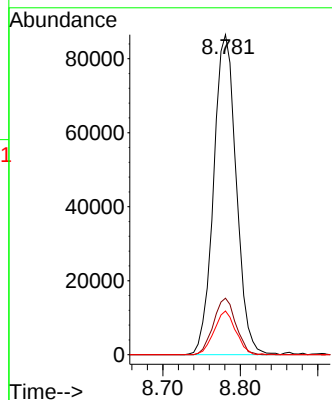
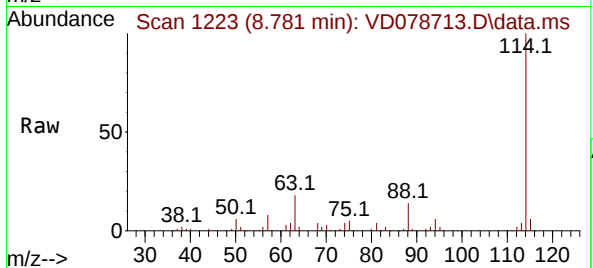
Tgt Ion:114 Resp: 175790

Ion Ratio Lower Upper

114 100

63 17.7 0.0 33.4

88 13.7 0.0 24.6



#35

Dibromofluoromethane

Concen: 53.053 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VD078713.D

Acq: 20 Mar 2024 11:01

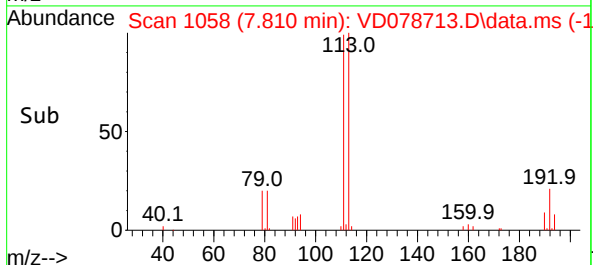
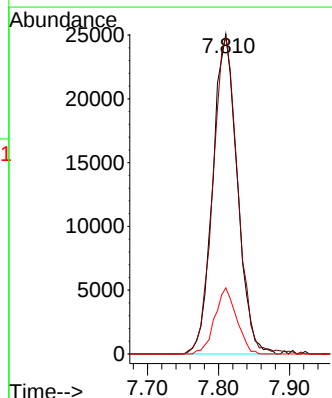
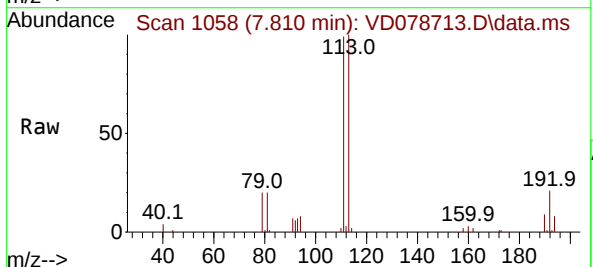
Tgt Ion:113 Resp: 60047

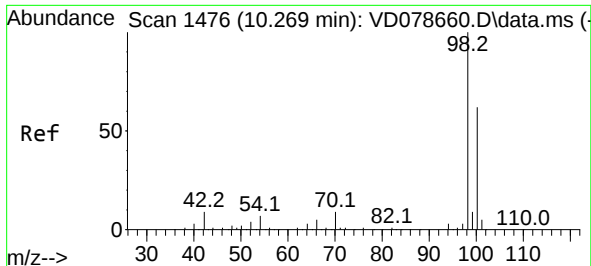
Ion Ratio Lower Upper

113 100

111 100.5 81.9 122.9

192 18.3 15.4 23.0

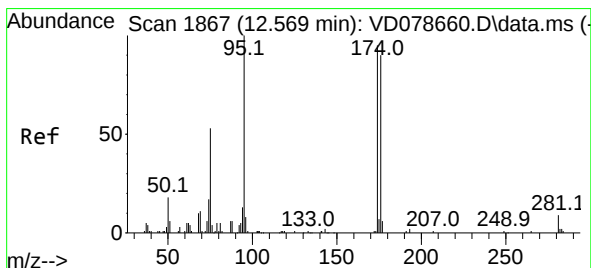
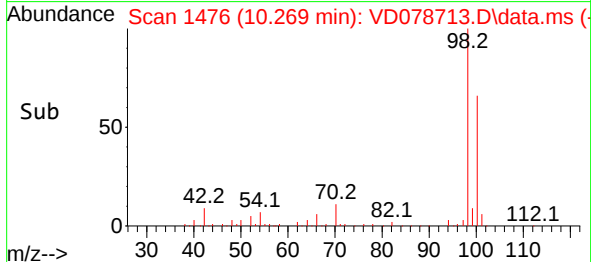
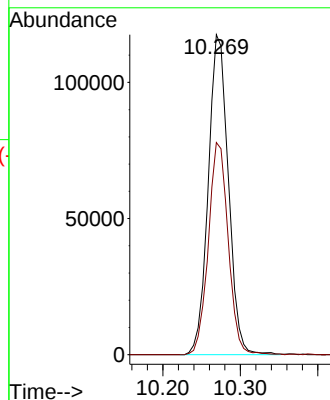
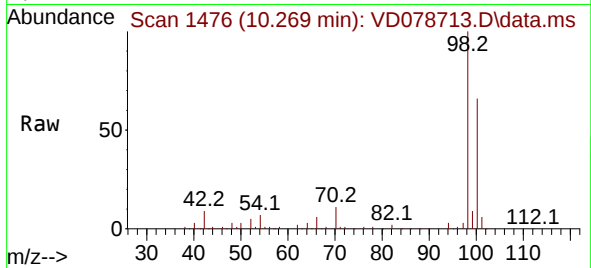




#50
Toluene-d8
Concen: 50.822 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VD078713.D
Acq: 20 Mar 2024 11:01

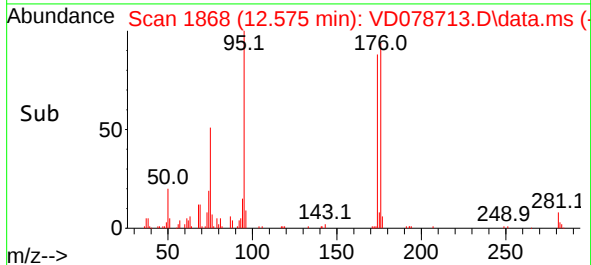
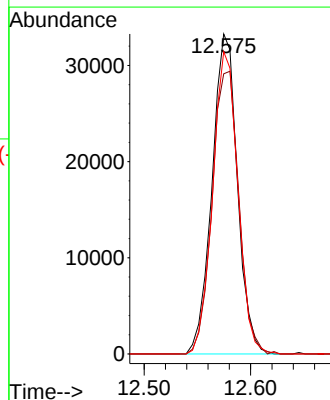
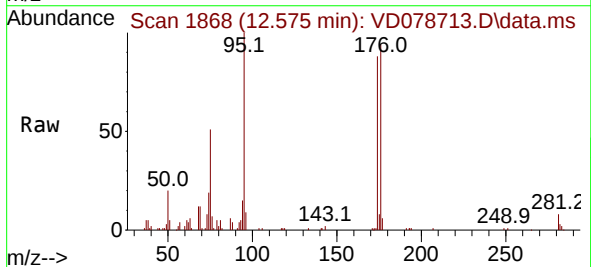
Instrument :
MSVOA_D
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VD0320SBL02

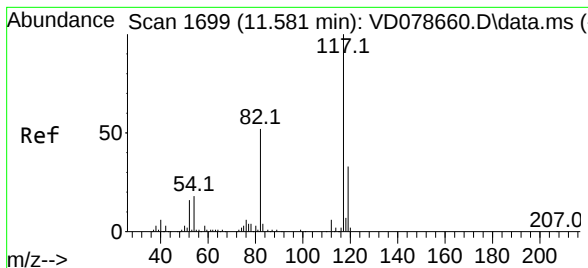
Tgt Ion: 98 Resp: 211545
Ion Ratio Lower Upper
98 100
100 65.5 50.5 75.7



#62
4-Bromofluorobenzene
Concen: 45.123 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.006 min
Lab File: VD078713.D
Acq: 20 Mar 2024 11:01

Tgt Ion: 95 Resp: 54949
Ion Ratio Lower Upper
95 100
174 93.0 0.0 195.2
176 94.1 0.0 188.2

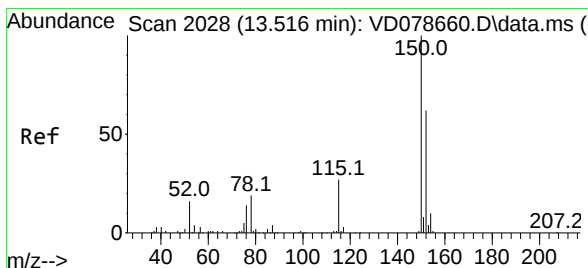
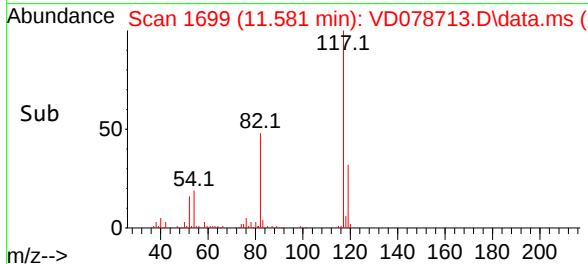
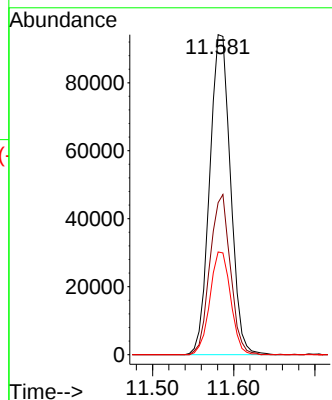
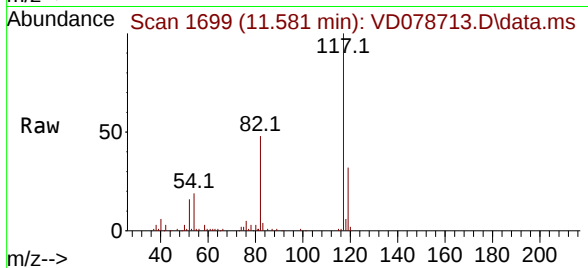




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD078713.D
Acq: 20 Mar 2024 11:01

Instrument :
MSVOA_D
ClientSampleId :
VD0320SBL02

Tgt Ion:117 Resp: 167871
Ion Ratio Lower Upper
117 100
82 47.5 41.4 62.2
119 32.1 26.5 39.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.522 min Scan# 2029
Delta R.T. 0.006 min
Lab File: VD078713.D
Acq: 20 Mar 2024 11:01

Tgt Ion:152 Resp: 65680
Ion Ratio Lower Upper
152 100
115 55.8 27.1 81.2
150 166.1 0.0 350.2

