

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD021924\
 Data File : VD078459.D
 Acq On : 19 Feb 2024 12:25
 Operator : RP/MD
 Sample : VD0219SBL01
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0219SBL01

Quant Time: Feb 19 23:47:50 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D021324S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 14 01:16:20 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.881	168	112305	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	210996	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	196125	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	83270	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	62410	51.396	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	102.800%
35) Dibromofluoromethane	7.811	113	67391	50.281	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.560%
50) Toluene-d8	10.269	98	244526	45.608	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	91.220%
62) 4-Bromofluorobenzene	12.575	95	64467	41.319	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	82.640%

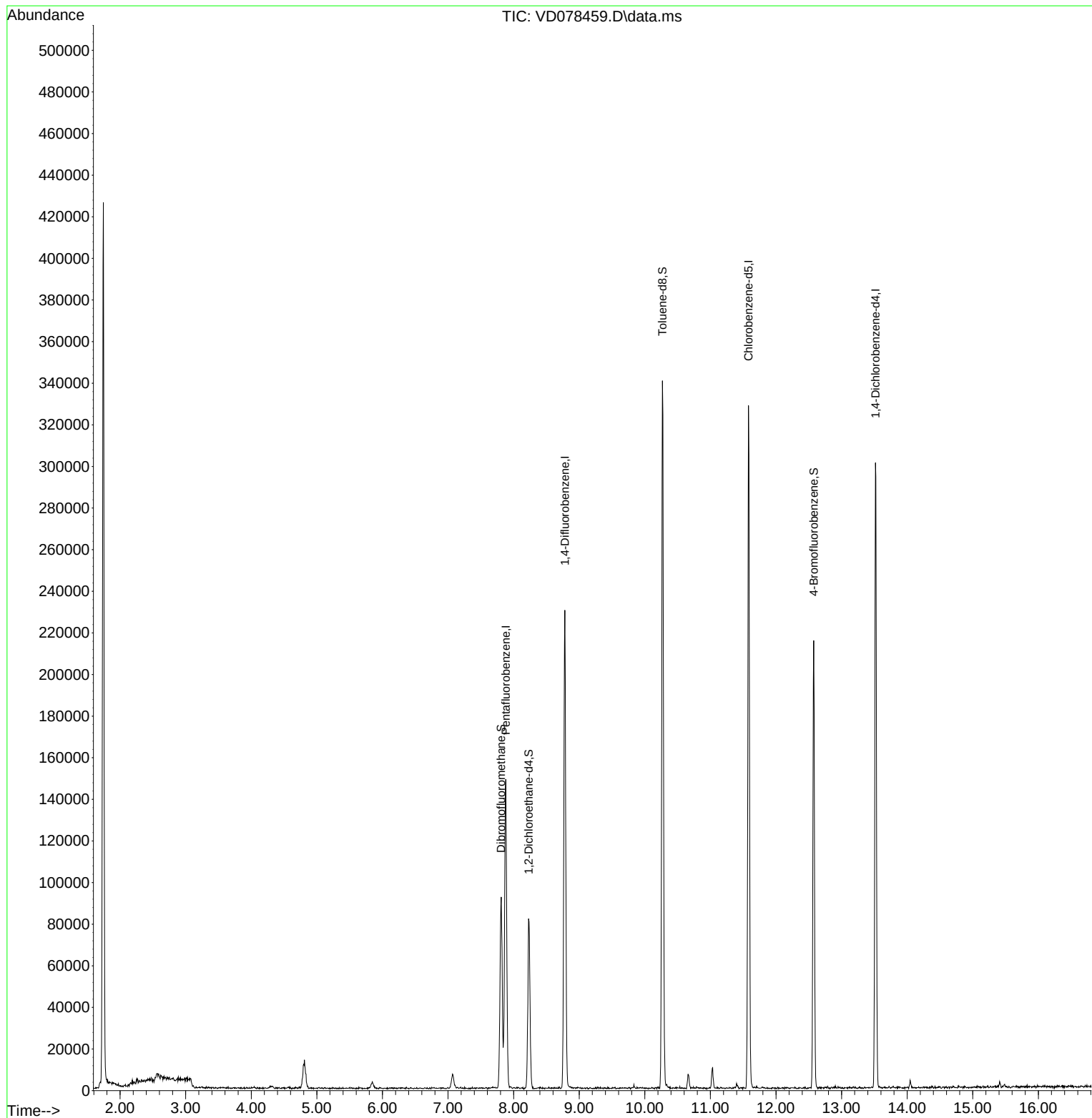
Target Compounds	Qvalue

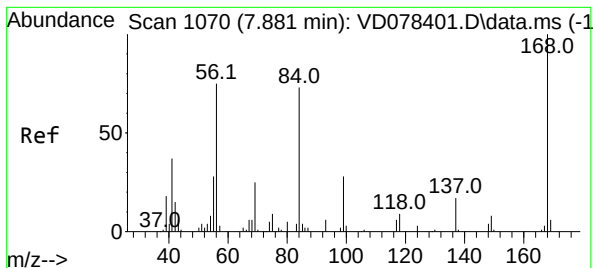
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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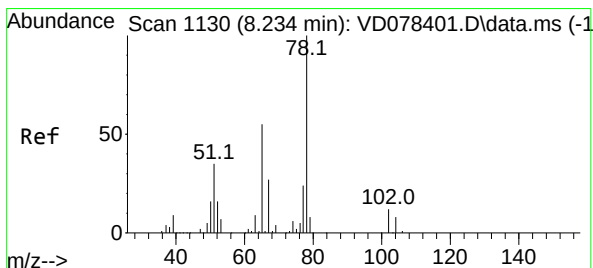
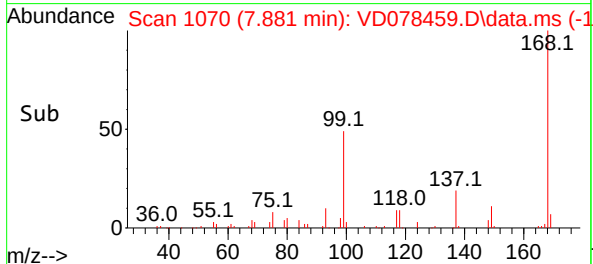
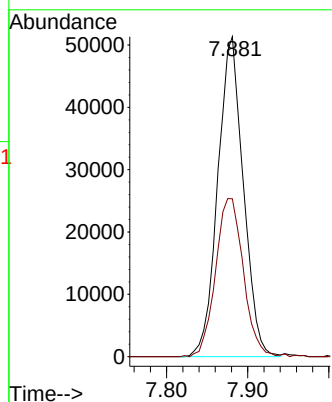
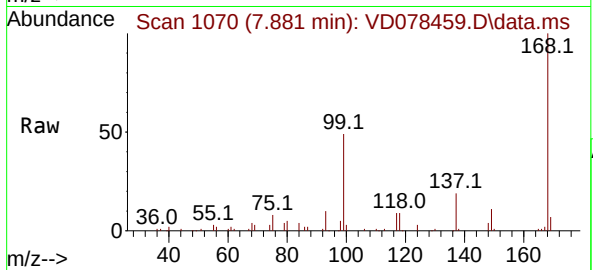




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.881 min Scan# 1129
Delta R.T. 0.000 min
Lab File: VD078459.D
Acq: 19 Feb 2024 12:25

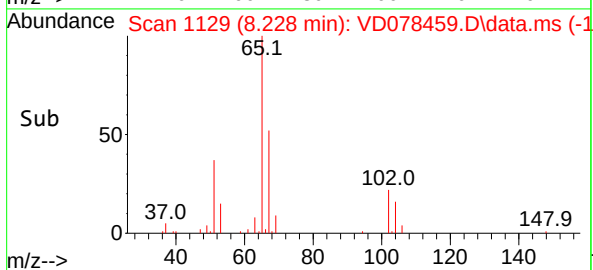
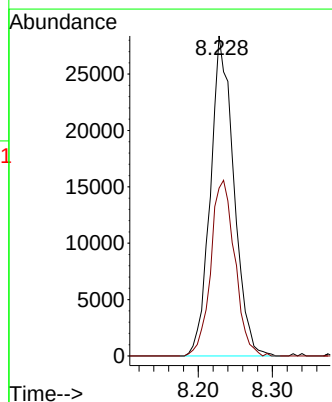
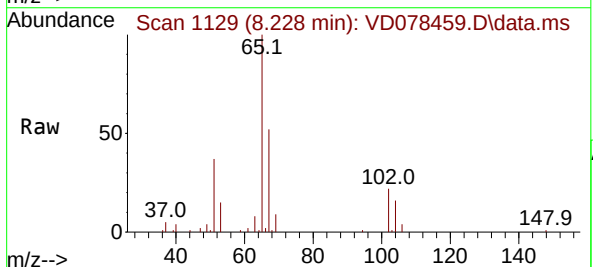
Instrument :
MSVOA_D
ClientSampleId :
VD0219SBL01

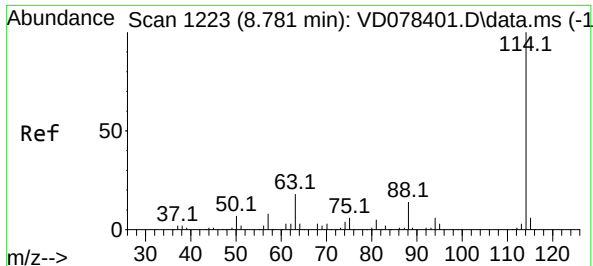
Tgt Ion:168 Resp: 112305
Ion Ratio Lower Upper
168 100
99 49.4 36.7 55.1



#33
1,2-Dichloroethane-d4
Concen: 51.396 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. -0.006 min
Lab File: VD078459.D
Acq: 19 Feb 2024 12:25

Tgt Ion: 65 Resp: 62410
Ion Ratio Lower Upper
65 100
67 56.1 0.0 115.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 1

Delta R.T. 0.000 min

Lab File: VD078459.D

Acq: 19 Feb 2024 12:25

Instrument :

MSVOA_D

ClientSampleId :

VD0219SBL01

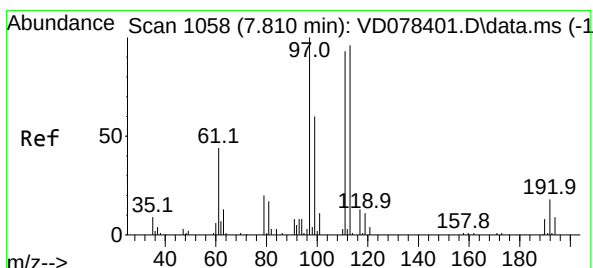
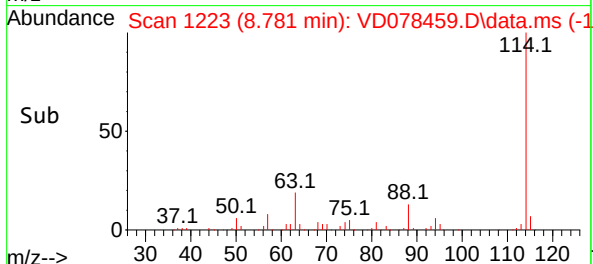
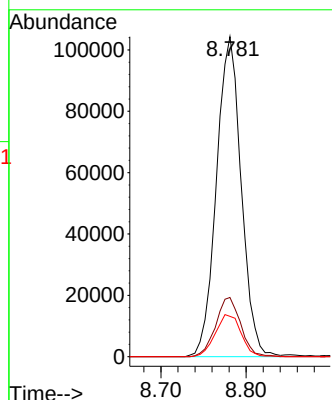
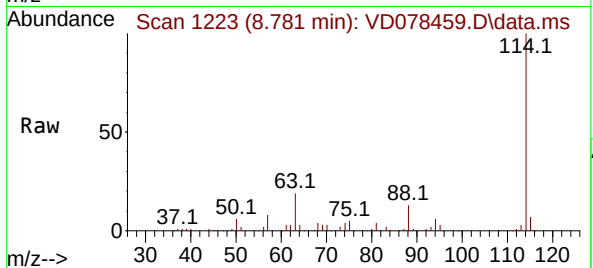
Tgt Ion:114 Resp: 210996

Ion Ratio Lower Upper

114 100

63 18.5 0.0 33.4

88 12.6 0.0 26.2



#35

Dibromofluoromethane

Concen: 50.281 ug/l

RT: 7.811 min Scan# 1058

Delta R.T. 0.000 min

Lab File: VD078459.D

Acq: 19 Feb 2024 12:25

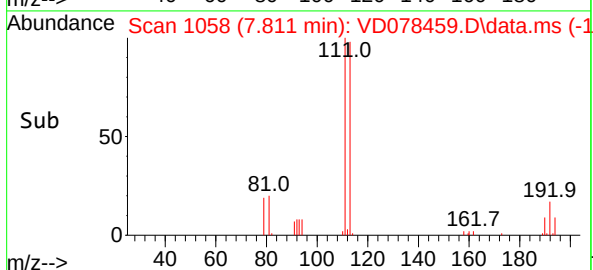
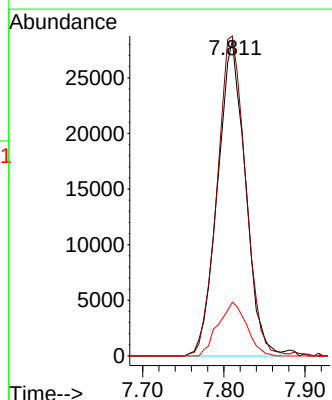
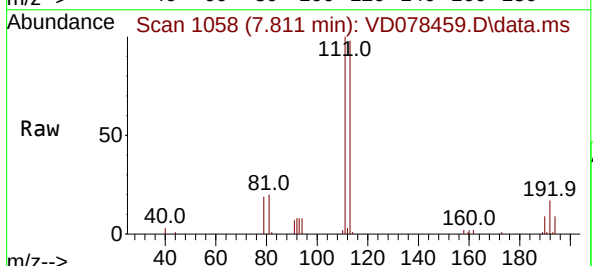
Tgt Ion:113 Resp: 67391

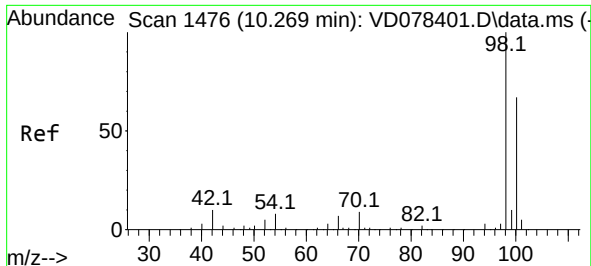
Ion Ratio Lower Upper

113 100

111 103.6 84.7 127.1

192 17.5 16.8 25.2

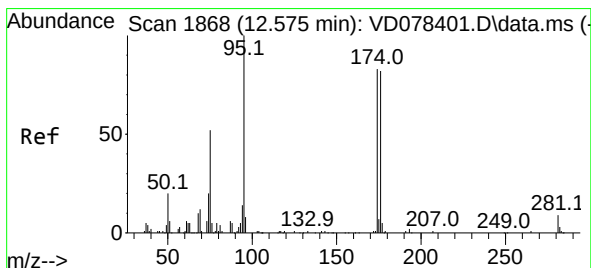
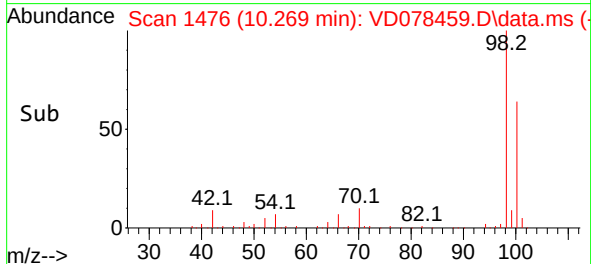
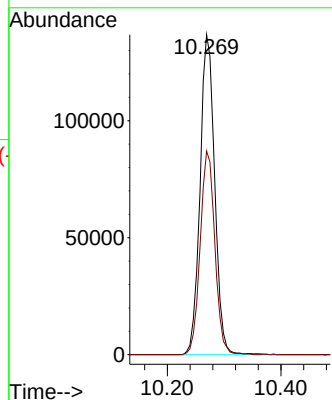
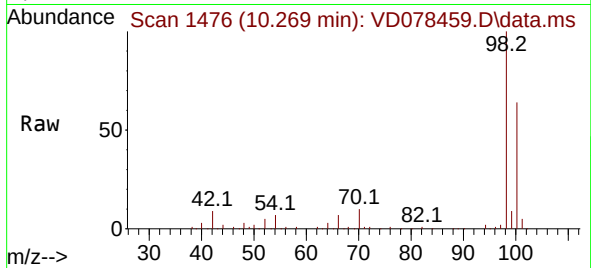




#50
Toluene-d8
Concen: 45.608 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD078459.D
Acq: 19 Feb 2024 12:25

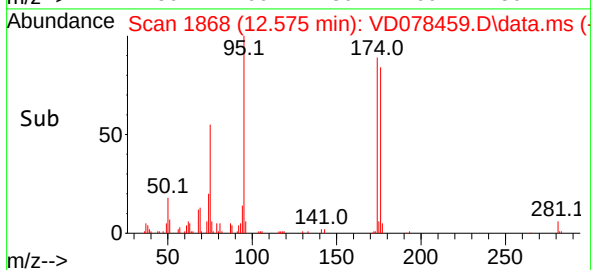
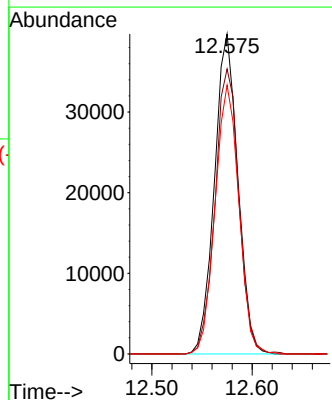
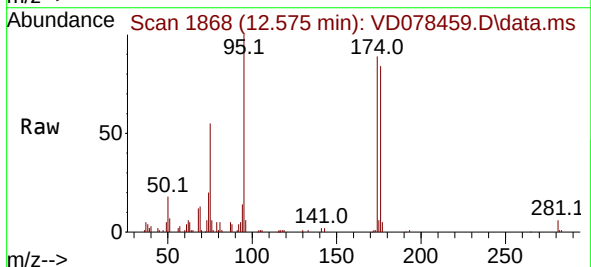
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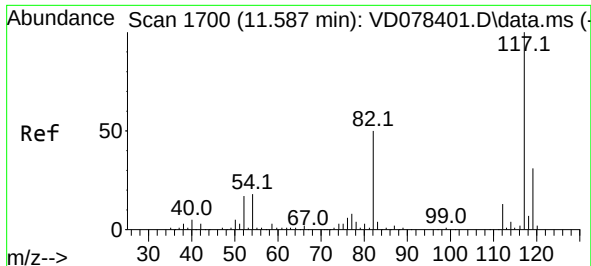
Tgt Ion: 98 Resp: 244526
Ion Ratio Lower Upper
98 100
100 63.9 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 41.319 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VD078459.D
Acq: 19 Feb 2024 12:25

Tgt Ion: 95 Resp: 64467
Ion Ratio Lower Upper
95 100
174 90.7 0.0 201.8
176 85.2 0.0 191.8

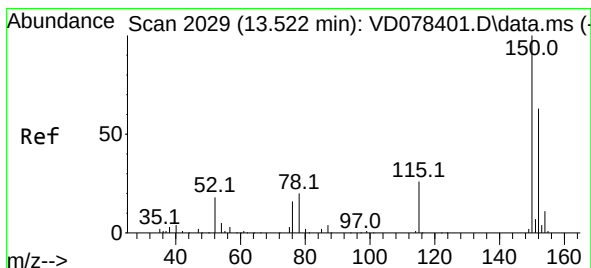
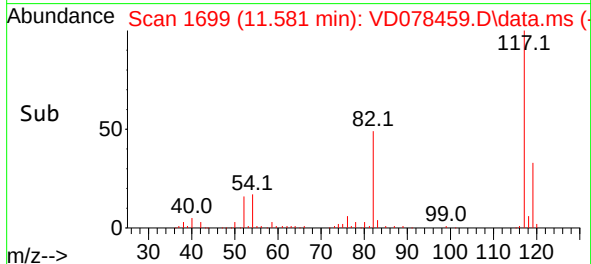
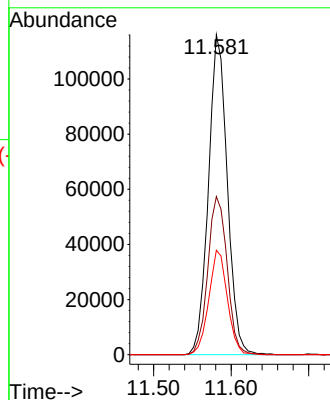
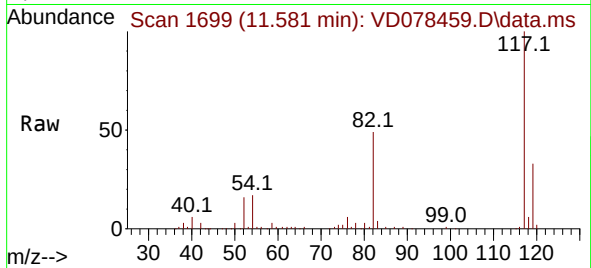




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.006 min
Lab File: VD078459.D
Acq: 19 Feb 2024 12:25

Instrument :
MSVOA_D
ClientSampleId :
VD0219SBL01

Tgt Ion:117 Resp: 196125
Ion Ratio Lower Upper
117 100
82 49.4 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: VD078459.D
Acq: 19 Feb 2024 12:25

Tgt Ion:152 Resp: 83270
Ion Ratio Lower Upper
152 100
115 56.5 27.1 81.3
150 157.6 0.0 353.6

