

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD022024\
 Data File : VD078474.D
 Acq On : 20 Feb 2024 10:02
 Operator : RP/MD
 Sample : VD0220SBL01
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0220SBL01

Quant Time: Feb 21 05:20:27 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	143067	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	272485	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	304406	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	147619	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	53566	34.628	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	69.260%
35) Dibromofluoromethane	7.811	113	78409	45.300	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	90.600%
50) Toluene-d8	10.269	98	336677	48.625	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.260%
62) 4-Bromofluorobenzene	12.575	95	120217	59.664	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	119.320%

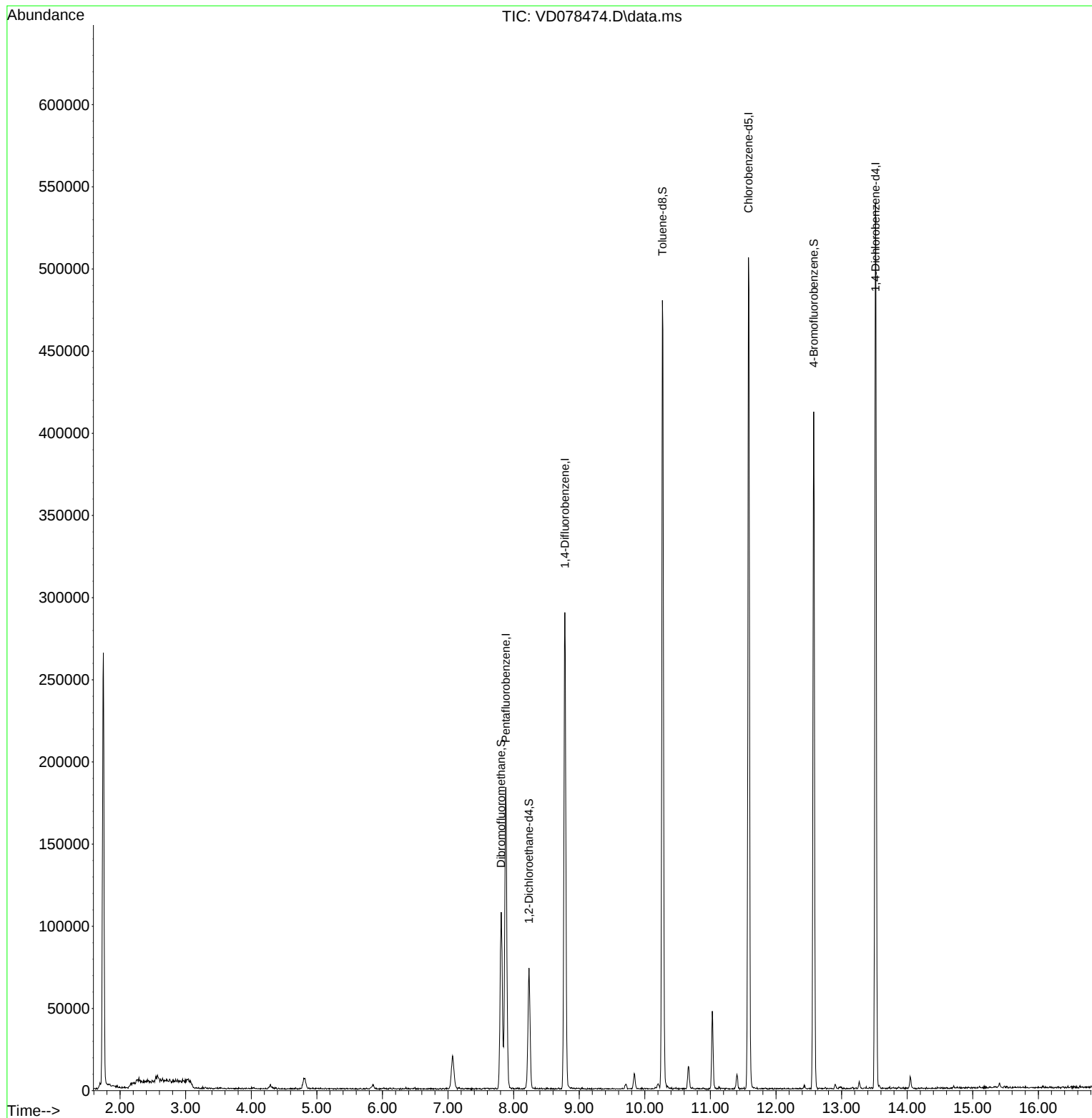
Target Compounds	Qvalue

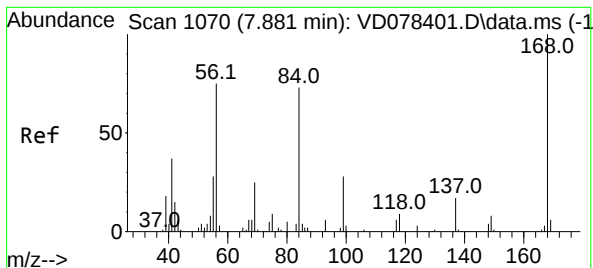
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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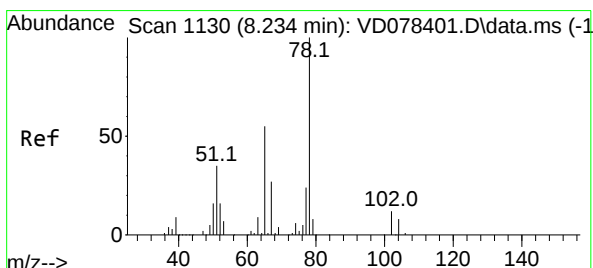
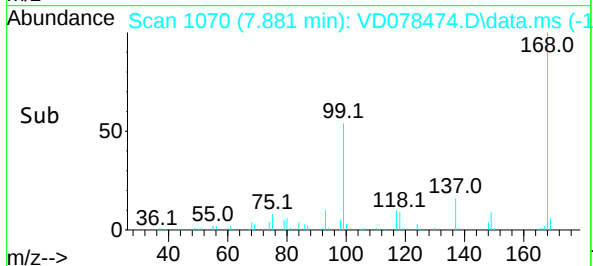
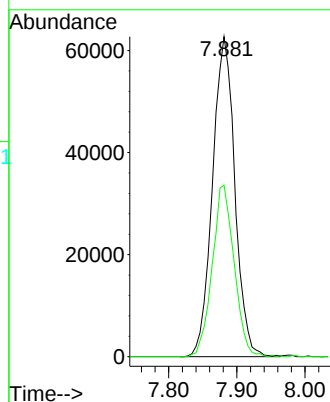
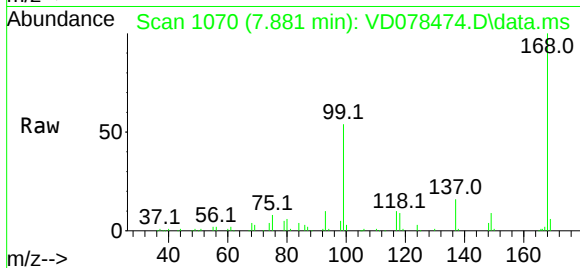




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. 0.000 min
Lab File: VD078474.D
Acq: 20 Feb 2024 10:02

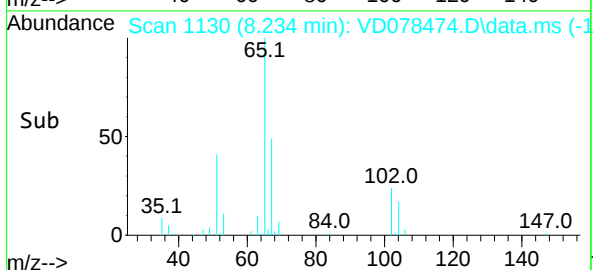
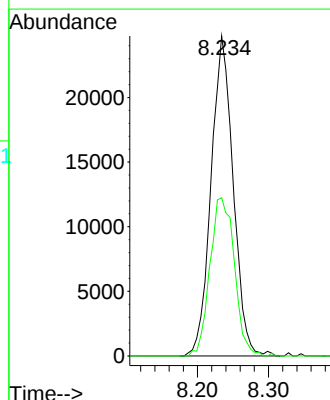
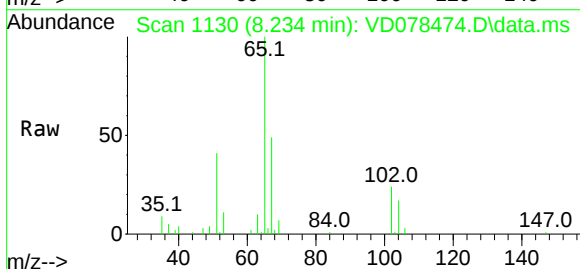
Instrument :
MSVOA_D
ClientSampleId :
VD0220SBL01

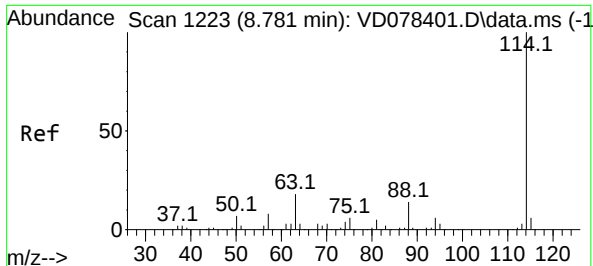
Tgt Ion:168 Resp: 143067
Ion Ratio Lower Upper
168 100
99 53.6 36.7 55.1



#33
1,2-Dichloroethane-d4
Concen: 34.628 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VD078474.D
Acq: 20 Feb 2024 10:02

Tgt Ion: 65 Resp: 53566
Ion Ratio Lower Upper
65 100
67 54.4 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: VD078474.D

Acq: 20 Feb 2024 10:02

Instrument :

MSVOA_D

ClientSampleId :

VD0220SBL01

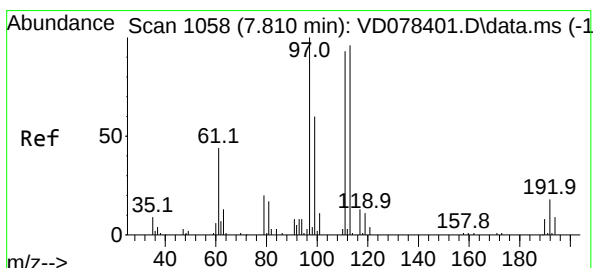
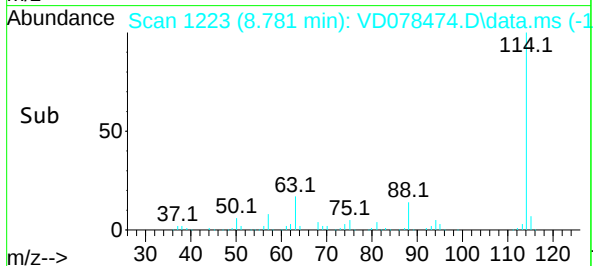
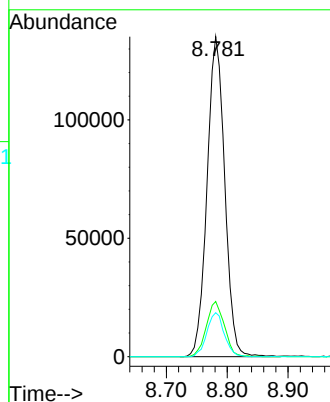
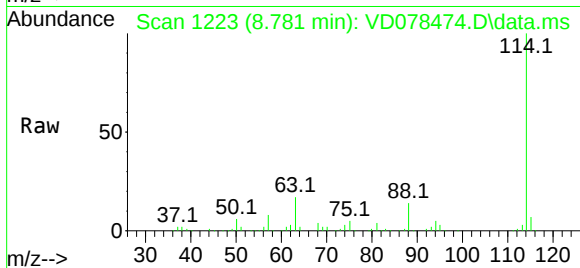
Tgt Ion:114 Resp: 272485

Ion Ratio Lower Upper

114 100

63 17.3 0.0 33.4

88 13.7 0.0 26.2



#35

Dibromofluoromethane

Concen: 45.300 ug/l

RT: 7.811 min Scan# 1058

Delta R.T. 0.000 min

Lab File: VD078474.D

Acq: 20 Feb 2024 10:02

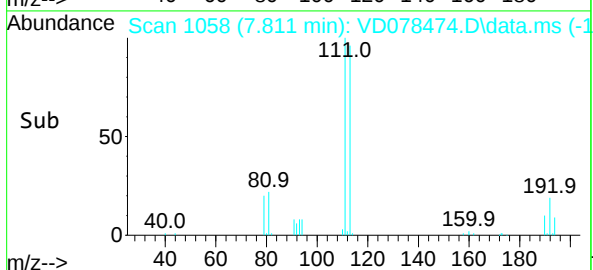
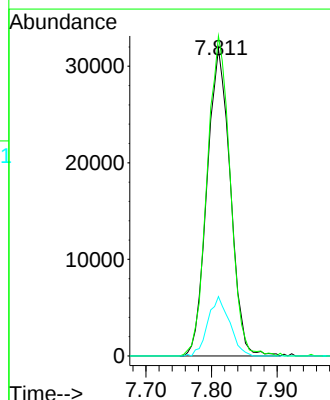
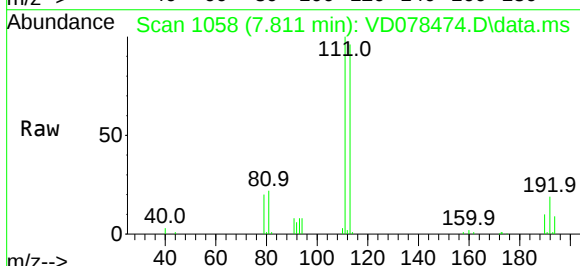
Tgt Ion:113 Resp: 78409

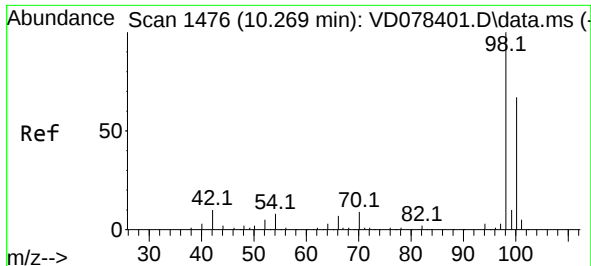
Ion Ratio Lower Upper

113 100

111 103.1 84.7 127.1

192 18.1 16.8 25.2

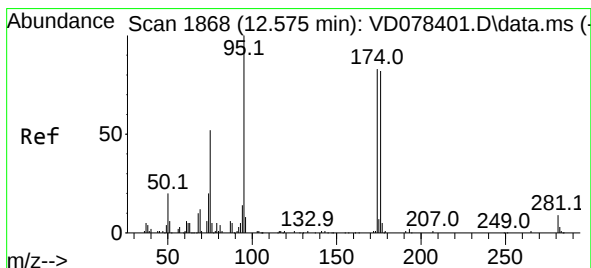
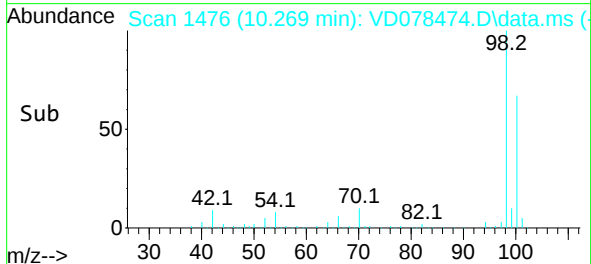
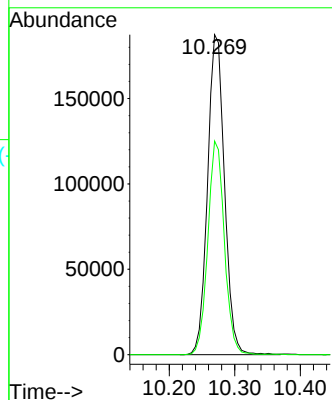
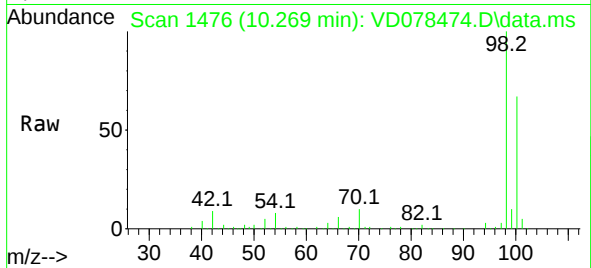




#50
Toluene-d8
Concen: 48.625 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD078474.D
Acq: 20 Feb 2024 10:02

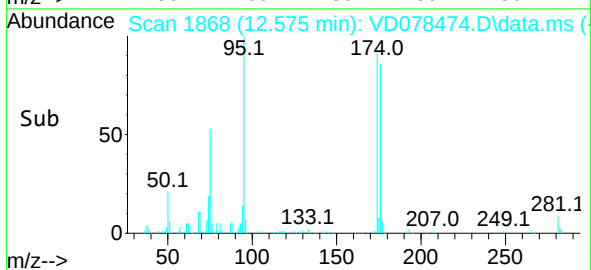
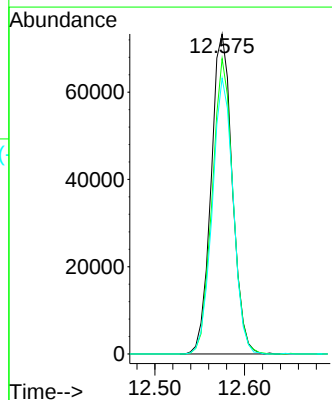
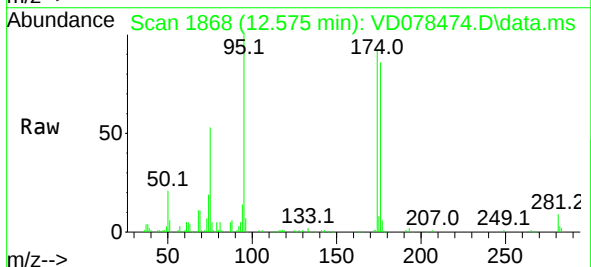
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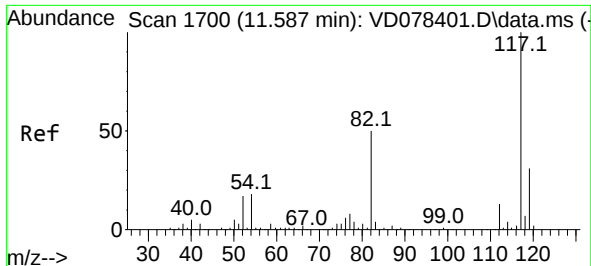
Tgt Ion: 98 Resp: 336677
Ion Ratio Lower Upper
98 100
100 65.4 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 59.664 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VD078474.D
Acq: 20 Feb 2024 10:02

Tgt Ion: 95 Resp: 120217
Ion Ratio Lower Upper
95 100
174 89.9 0.0 201.8
176 84.9 0.0 191.8

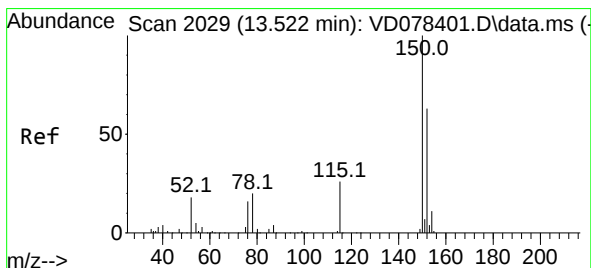
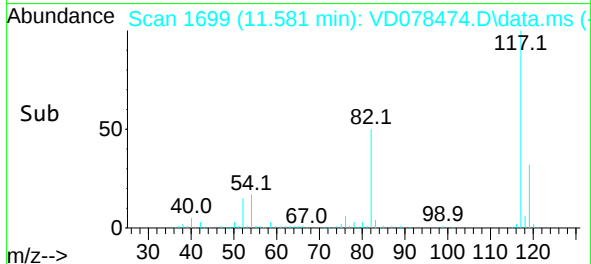
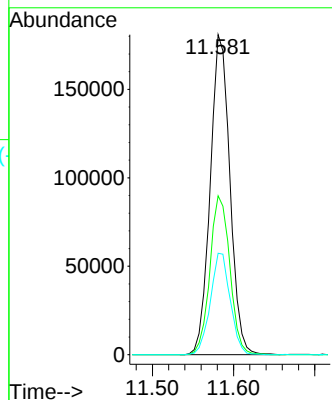
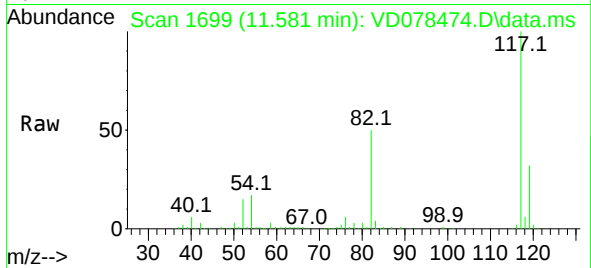




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.006 min
Lab File: VD078474.D
Acq: 20 Feb 2024 10:02

Instrument :
MSVOA_D
ClientSampleId :
VD0220SBL01

Tgt Ion:117 Resp: 304406
Ion Ratio Lower Upper
117 100
82 49.7 38.3 57.5
119 31.7 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: VD078474.D
Acq: 20 Feb 2024 10:02

Tgt Ion:152 Resp: 147619
Ion Ratio Lower Upper
152 100
115 54.8 27.1 81.3
150 155.4 0.0 353.6

