

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD013124\
 Data File : VD078287.D
 Acq On : 31 Jan 2024 12:14
 Operator : RP/MD
 Sample : VD0131SBL01
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0131SBL01

Quant Time: Feb 01 02:57:31 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D013024S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 31 00:23:33 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.881	168	140552	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.781	114	287390	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	290884	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	129648	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	70173	40.331	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	80.660%
35) Dibromofluoromethane	7.804	113	85932	42.000	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	84.000%
50) Toluene-d8	10.269	98	357698	46.177	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	92.360%
62) 4-Bromofluorobenzene	12.575	95	114558	49.383	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	98.760%

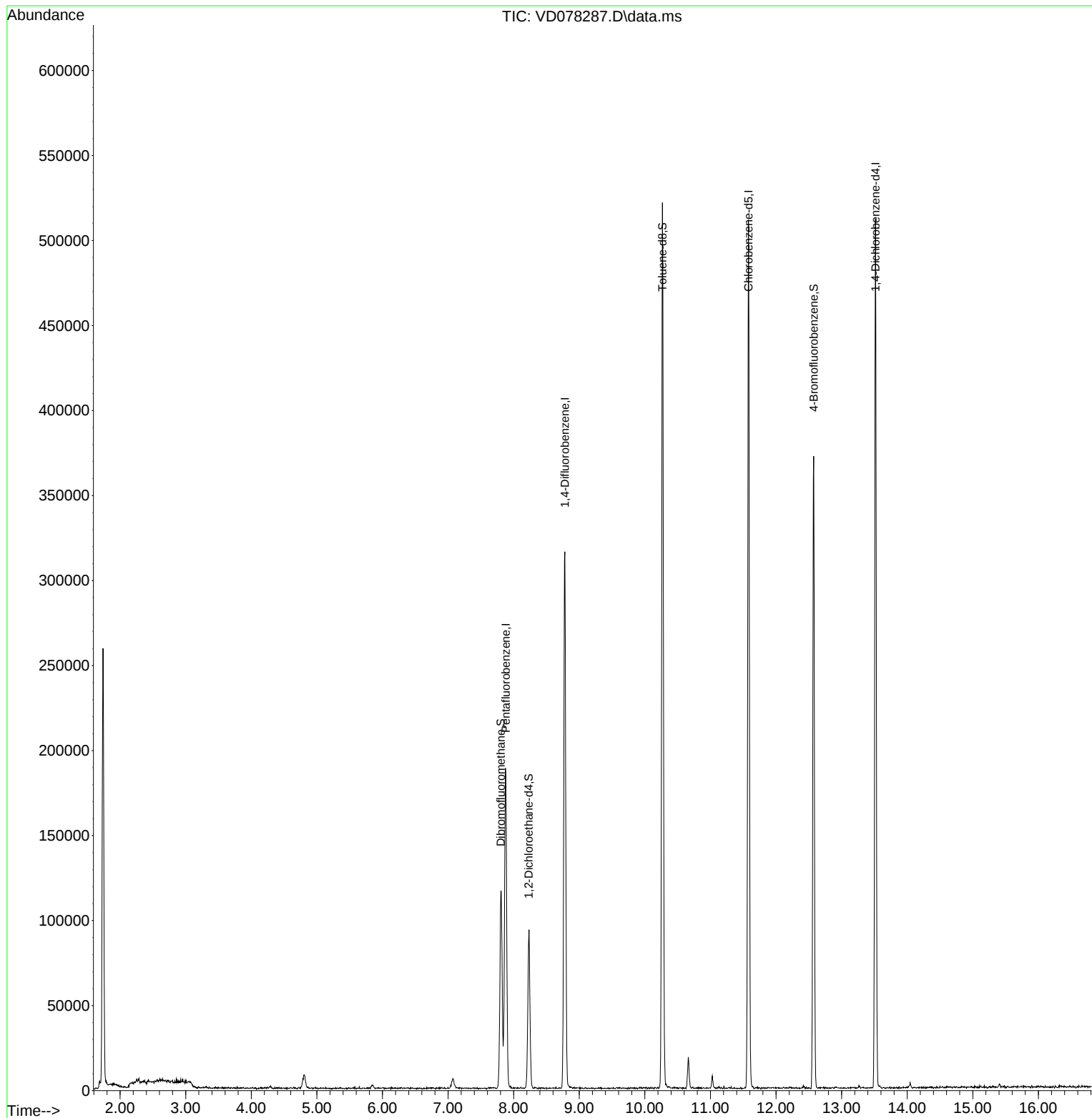
Target Compounds	Qvalue

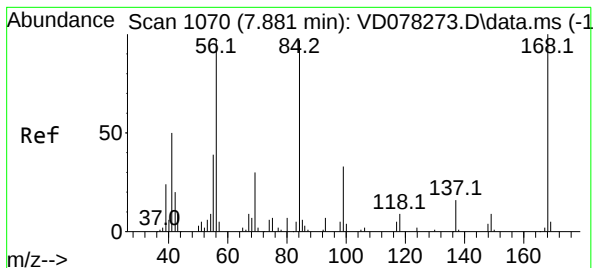
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.881 min Scan# 1109

Delta R.T. -0.000 min

Lab File: VD078287.D

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Instrument :

MSVOA_D

ClientSampleId :

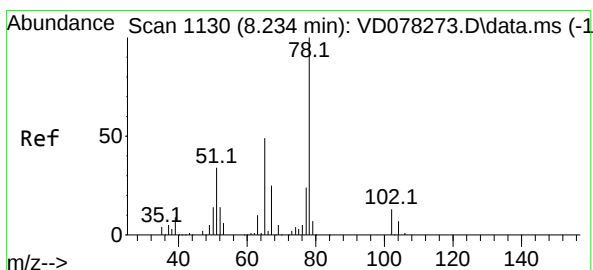
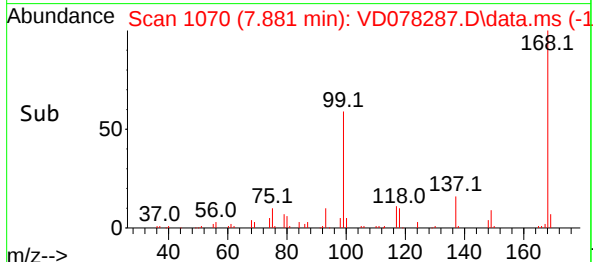
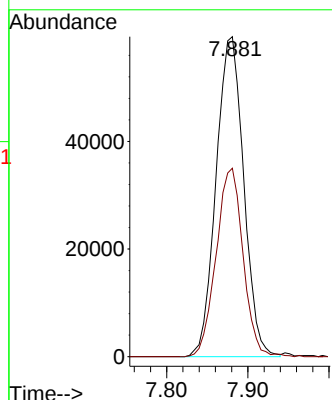
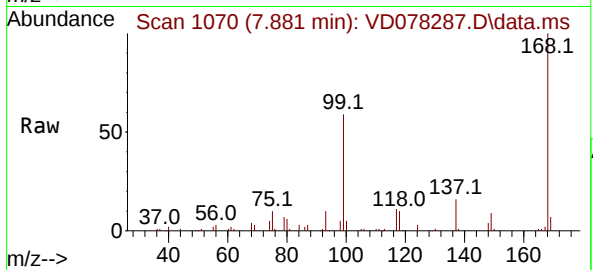
VD0131SBL01

Tgt Ion:168 Resp: 140552

Ion Ratio Lower Upper

168 100

99 58.9 36.7 55.1#



#33

1,2-Dichloroethane-d4

Concen: 40.331 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.006 min

Lab File: VD078287.D

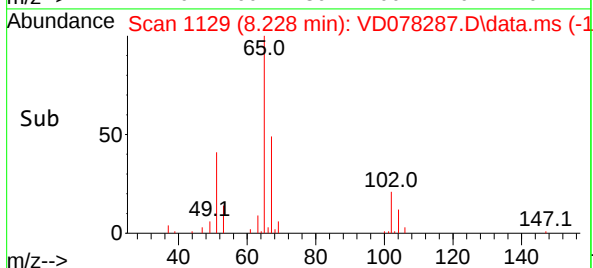
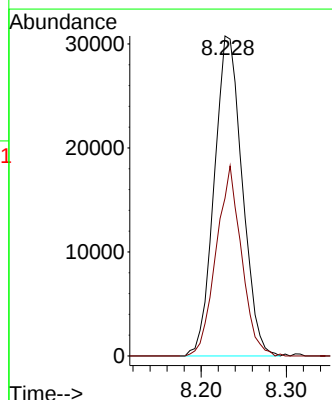
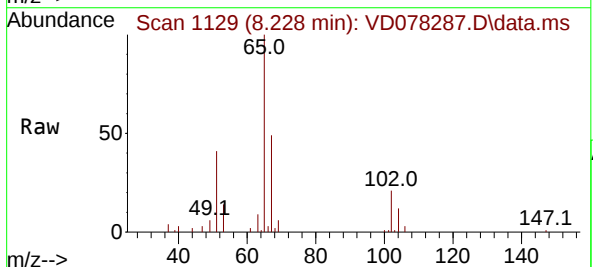
Acq: 31 Jan 2024 12:14

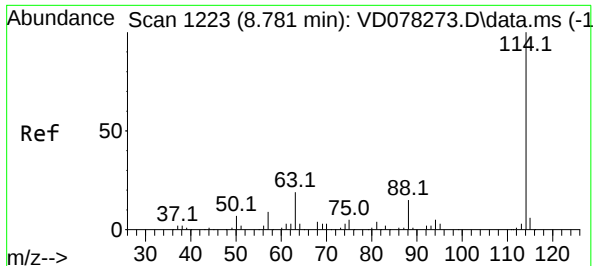
Tgt Ion: 65 Resp: 70173

Ion Ratio Lower Upper

65 100

67 54.0 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: VD078287.D

Acq: 31 Jan 2024 12:14

Instrument :

MSVOA_D

ClientSampleId :

VD0131SBL01

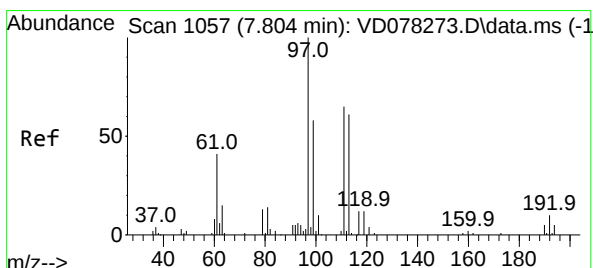
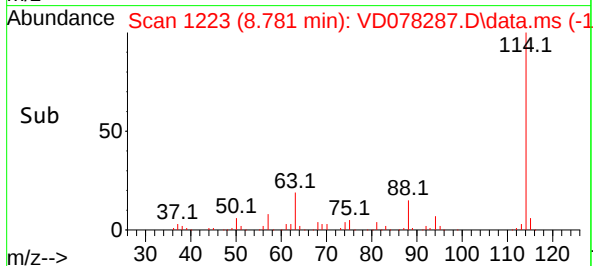
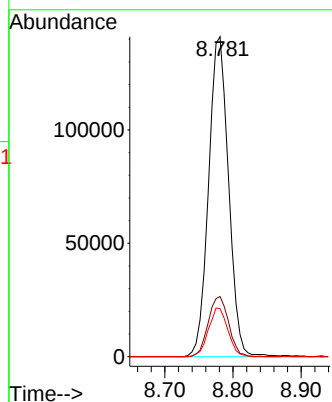
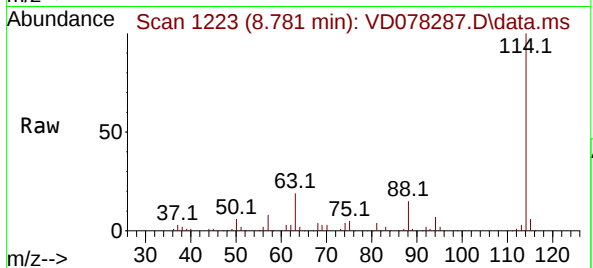
Tgt Ion:114 Resp: 287390

Ion Ratio Lower Upper

114 100

63 18.8 0.0 33.4

88 15.0 0.0 26.2



#35

Dibromofluoromethane

Concen: 42.000 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. 0.000 min

Lab File: VD078287.D

Acq: 31 Jan 2024 12:14

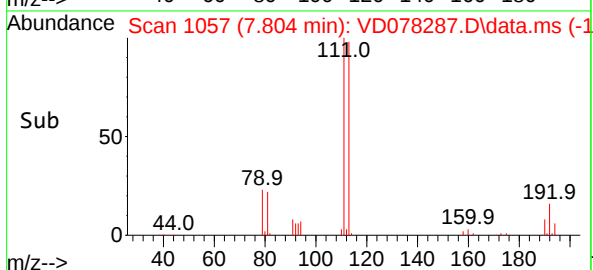
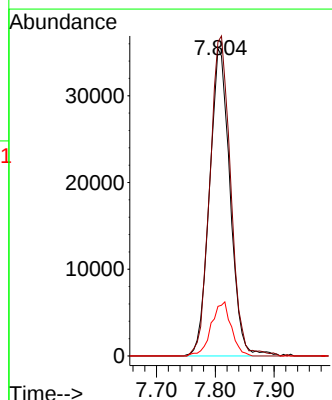
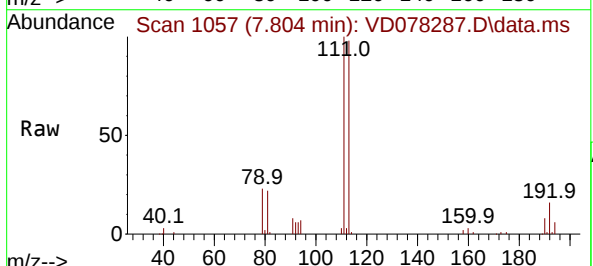
Tgt Ion:113 Resp: 85932

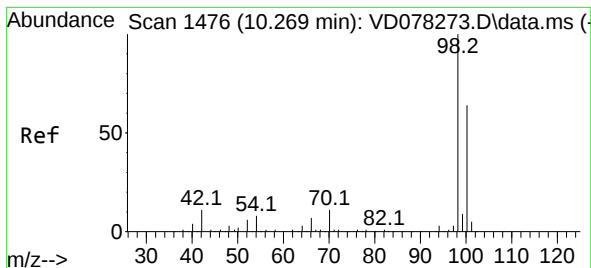
Ion Ratio Lower Upper

113 100

111 105.4 84.7 127.1

192 17.1 16.8 25.2

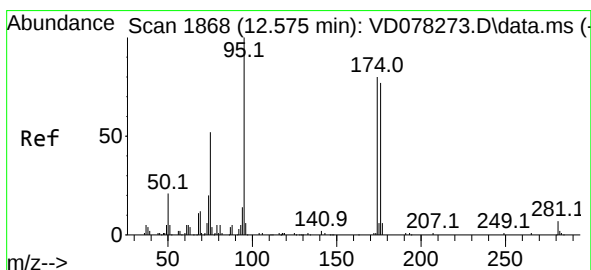
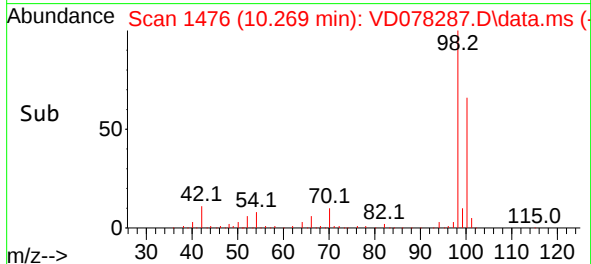
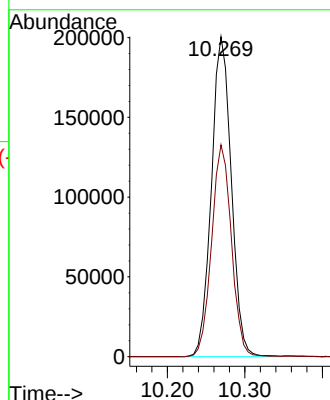
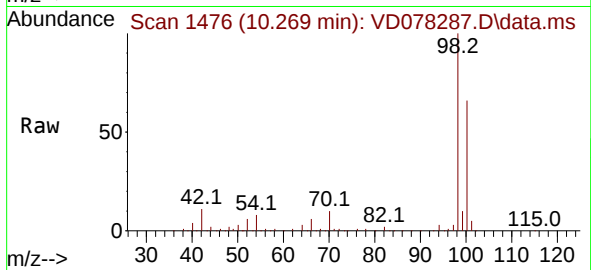




#50
Toluene-d8
Concen: 46.177 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD078287.D
Acq: 31 Jan 2024 12:14

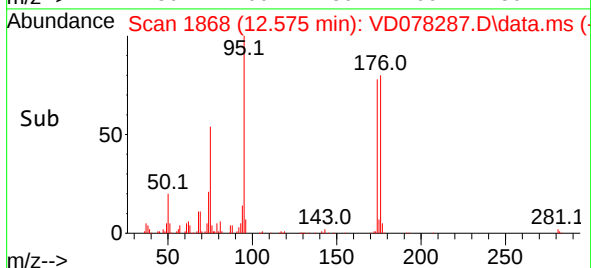
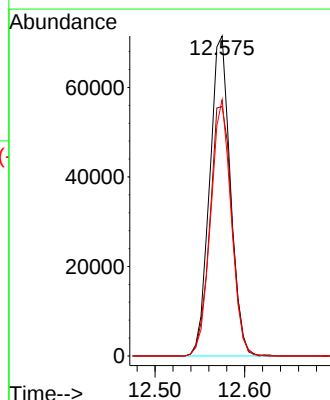
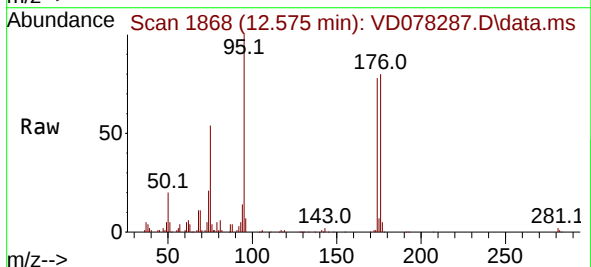
Instrument :
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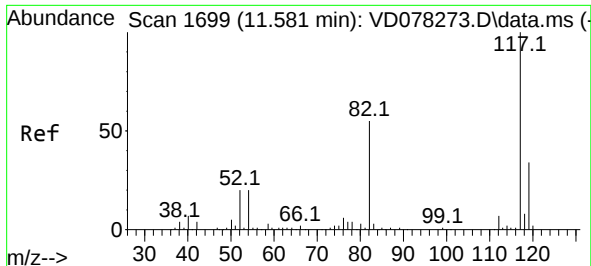
Tgt Ion: 98 Resp: 357698
Ion Ratio Lower Upper
98 100
100 65.9 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 49.383 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VD078287.D
Acq: 31 Jan 2024 12:14

Tgt Ion: 95 Resp: 114558
Ion Ratio Lower Upper
95 100
174 83.0 0.0 201.8
176 79.0 0.0 191.8

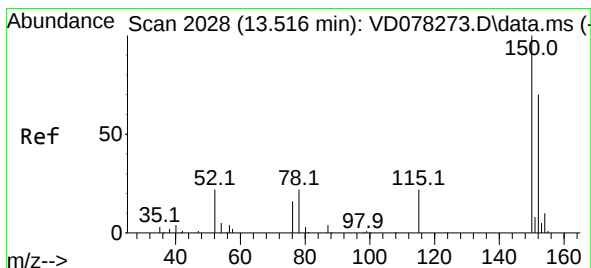
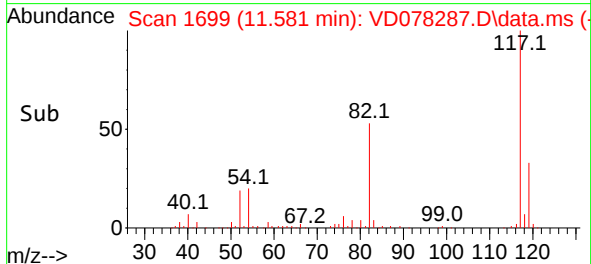
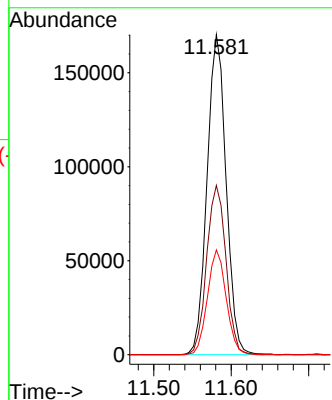
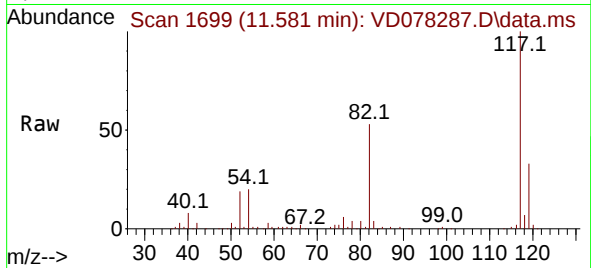




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1
Delta R.T. 0.000 min
Lab File: VD078287.D
Acq: 31 Jan 2024 12:14

Instrument :
MSVOA_D
ClientSampleId :
VD0131SBL01

Tgt Ion:117 Resp: 290884
Ion Ratio Lower Upper
117 100
82 52.9 38.3 57.5
119 32.8 25.0 37.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. 0.000 min
Lab File: VD078287.D
Acq: 31 Jan 2024 12:14

Tgt Ion:152 Resp: 129648
Ion Ratio Lower Upper
152 100
115 58.2 27.1 81.3
150 157.3 0.0 353.6

