

Data Path : Z:\voasrv\HPCHEM1\MSVOA_T\Data\VT103125\
 Data File : VT019221.D
 Acq On : 31 Oct 2025 11:23
 Operator : SY/MD
 Sample : VT1031WBL02
 Misc : 5.0mL/MSVOA_T/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_T
 ClientSampleId :
 VT1031WBL02

Quant Time: Nov 01 05:18:47 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_T\methods\82T102925W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 31 04:36:59 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.618	168	135931	50.000	ug/l	0.07
34) 1,4-Difluorobenzene	8.605	114	238513	50.000	ug/l	0.06
63) Chlorobenzene-d5	11.778	117	199569	50.000	ug/l	0.05
72) 1,4-Dichlorobenzene-d4	13.987	152	94029	50.000	ug/l	0.06
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.000	65	102663	46.954	ug/l	0.07
Spiked Amount	50.000		Recovery	=	93.900%	
35) Dibromofluoromethane	7.536	113	70222	46.550	ug/l	0.07
Spiked Amount	50.000		Recovery	=	93.100%	
50) Toluene-d8	10.280	98	282273	46.078	ug/l	0.05
Spiked Amount	50.000		Recovery	=	92.160%	
62) 4-Bromofluorobenzene	12.912	95	91898	47.718	ug/l	0.05
Spiked Amount	50.000		Recovery	=	95.440%	

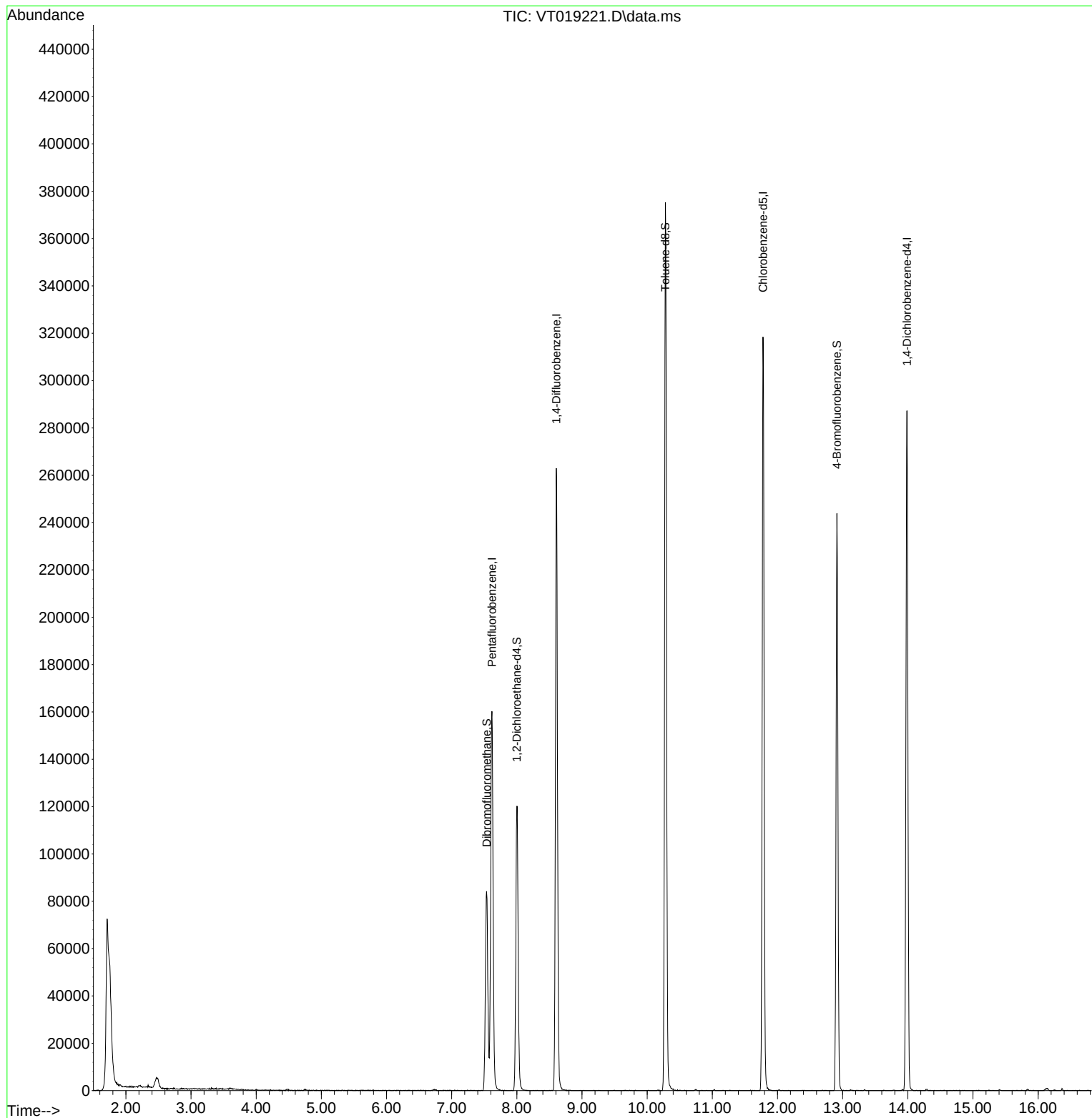
Target Compounds	Qvalue

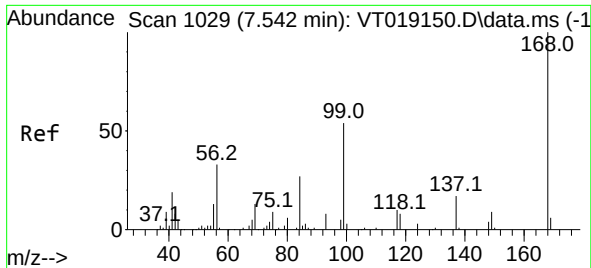
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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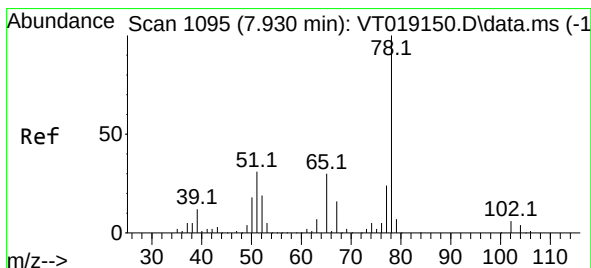
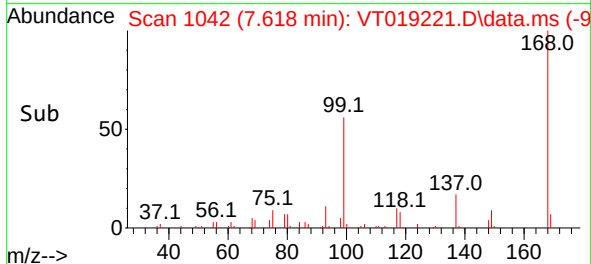
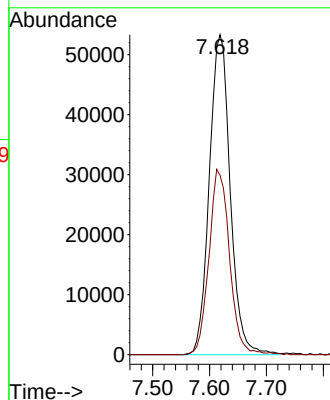
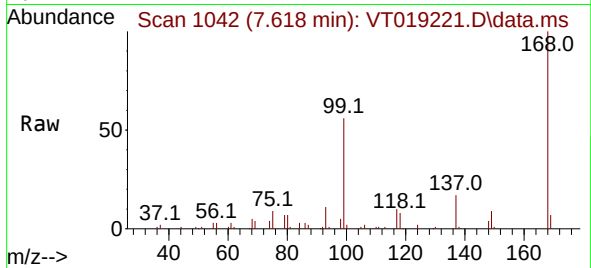




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.618 min Scan# 1107
Delta R.T. 0.070 min
Lab File: VT019221.D
Acq: 31 Oct 2025 11:23

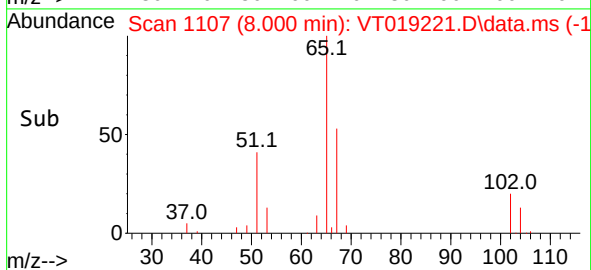
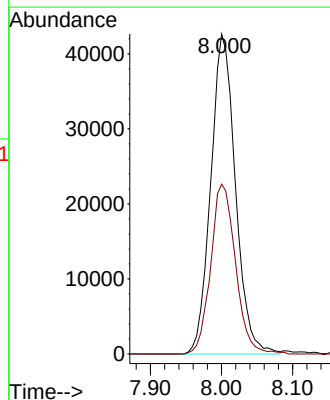
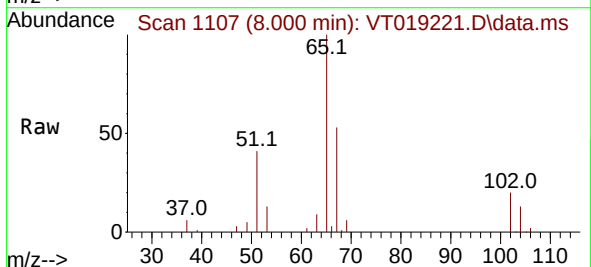
Instrument :
MSVOA_T
ClientSampleId :
VT1031WBL02

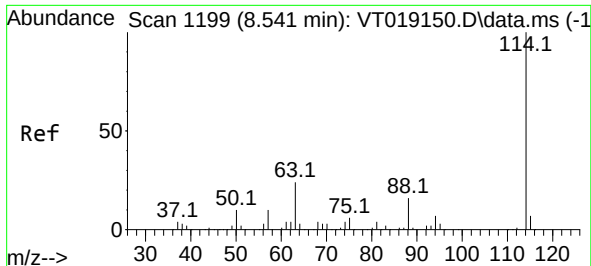
Tgt Ion:168 Resp: 135931
Ion Ratio Lower Upper
168 100
99 56.0 46.6 70.0



#33
1,2-Dichloroethane-d4
Concen: 46.954 ug/l
RT: 8.000 min Scan# 1107
Delta R.T. 0.065 min
Lab File: VT019221.D
Acq: 31 Oct 2025 11:23

Tgt Ion: 65 Resp: 102663
Ion Ratio Lower Upper
65 100
67 53.5 0.0 102.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.605 min Scan# 11

Delta R.T. 0.058 min

Lab File: VT019221.D

Acq: 31 Oct 2025 11:23

Instrument :

MSVOA_T

ClientSampleId :

VT1031WBL02

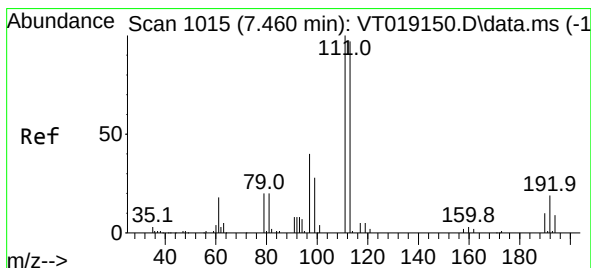
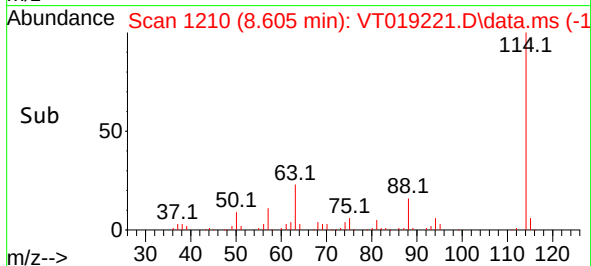
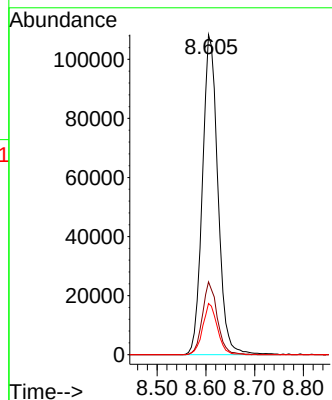
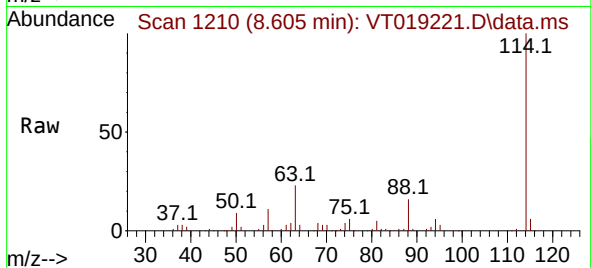
Tgt Ion:114 Resp: 238513

Ion Ratio Lower Upper

114 100

63 22.8 0.0 47.2

88 16.0 0.0 32.6



#35

Dibromofluoromethane

Concen: 46.550 ug/l

RT: 7.536 min Scan# 1028

Delta R.T. 0.071 min

Lab File: VT019221.D

Acq: 31 Oct 2025 11:23

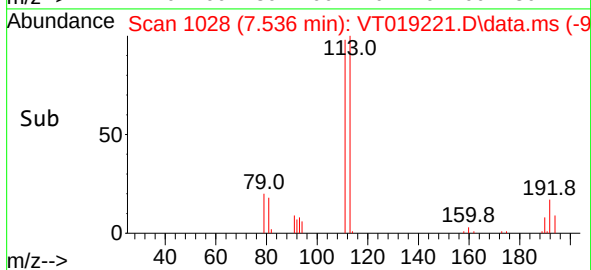
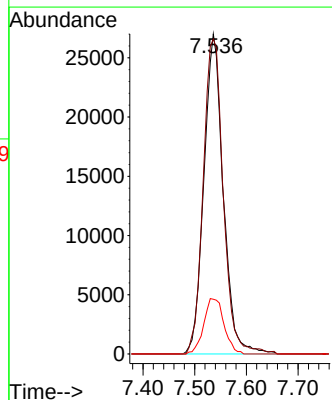
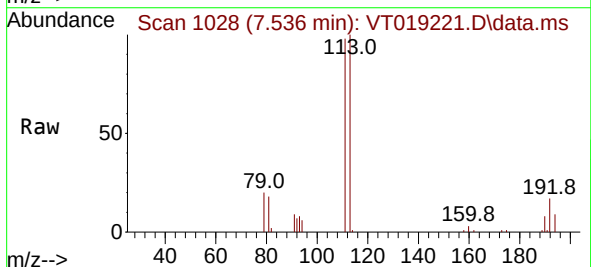
Tgt Ion:113 Resp: 70222

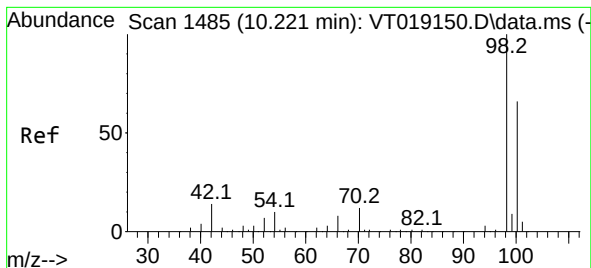
Ion Ratio Lower Upper

113 100

111 101.9 81.6 122.4

192 18.1 15.3 22.9

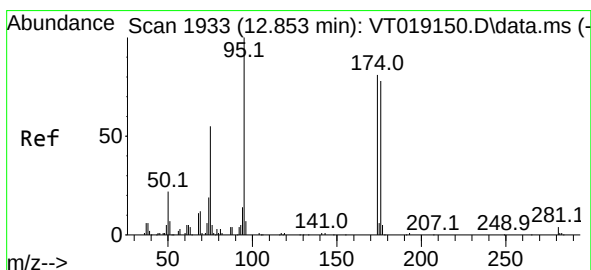
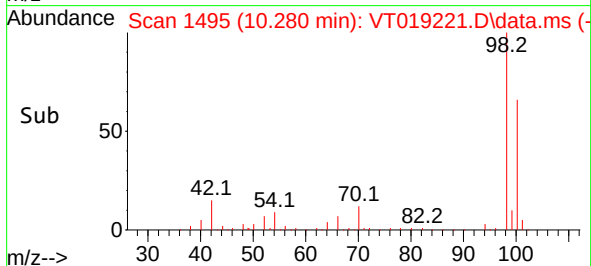
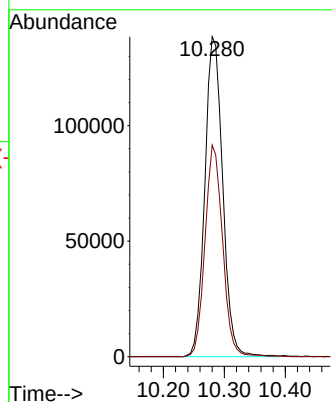
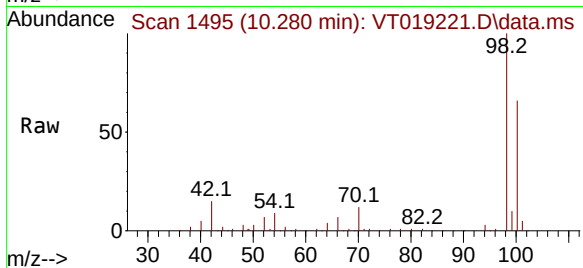




#50
Toluene-d8
Concen: 46.078 ug/l
RT: 10.280 min Scan# 1485
Delta R.T. 0.053 min
Lab File: VT019221.D
Acq: 31 Oct 2025 11:23

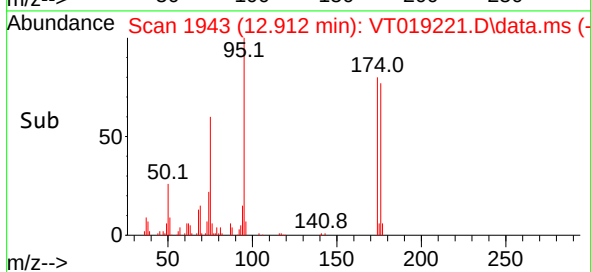
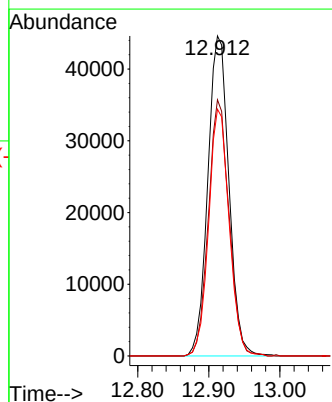
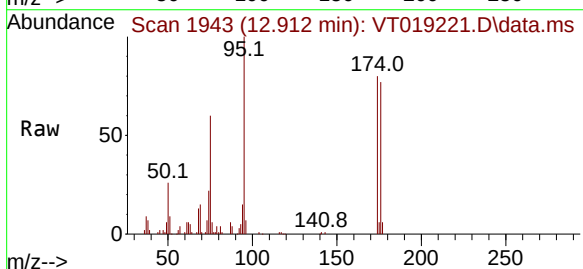
Instrument :
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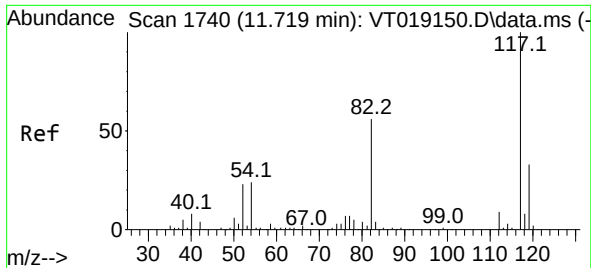
Tgt Ion: 98 Resp: 282273
Ion Ratio Lower Upper
98 100
100 65.1 53.5 80.3



#62
4-Bromofluorobenzene
Concen: 47.718 ug/l
RT: 12.912 min Scan# 1943
Delta R.T. 0.053 min
Lab File: VT019221.D
Acq: 31 Oct 2025 11:23

Tgt Ion: 95 Resp: 91898
Ion Ratio Lower Upper
95 100
174 78.6 0.0 160.6
176 75.0 0.0 156.6

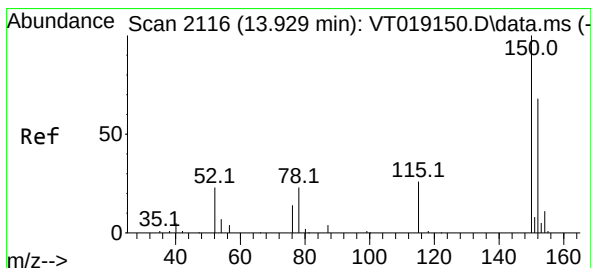
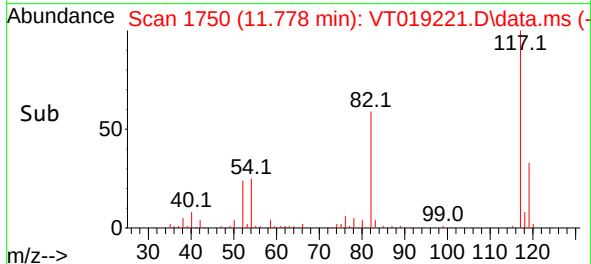
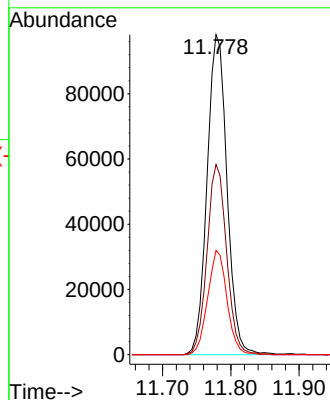
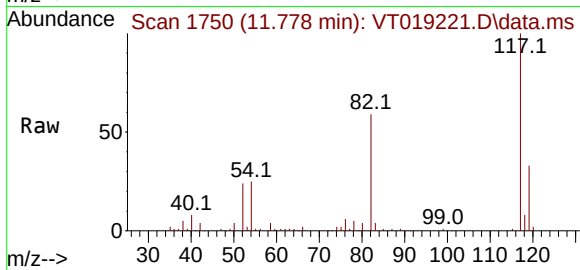




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.778 min Scan# 117
Delta R.T. 0.053 min
Lab File: VT019221.D
Acq: 31 Oct 2025 11:23

Instrument :
MSVOA_T
ClientSampleId :
VT1031WBL02

Tgt Ion:117 Resp: 199569
Ion Ratio Lower Upper
117 100
82 59.4 45.1 67.7
119 32.6 26.6 40.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.987 min Scan# 2126
Delta R.T. 0.058 min
Lab File: VT019221.D
Acq: 31 Oct 2025 11:23

Tgt Ion:152 Resp: 94029
Ion Ratio Lower Upper
152 100
115 58.8 29.6 88.9
150 155.4 0.0 342.6

