

Data Path : Z:\voasrv\HPCHEM1\MSVOA_T\Data\VT103125\
 Data File : VT019220.D
 Acq On : 31 Oct 2025 10:59
 Operator : SY/MD
 Sample : VT1031WBL01
 Misc : 5.0mL/MSVOA_T/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_T
 ClientSampleId :
 VT1031WBL01

Quant Time: Nov 01 05:18:27 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	145477	50.000	ug/l	0.07
34) 1,4-Difluorobenzene	8.611	114	259974	50.000	ug/l	0.06
63) Chlorobenzene-d5	11.778	117	211556	50.000	ug/l	0.05
72) 1,4-Dichlorobenzene-d4	13.987	152	97945	50.000	ug/l	0.06
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.000	65	109875	46.955	ug/l	0.07
Spiked Amount	50.000		Recovery	=	93.920%	
35) Dibromofluoromethane	7.536	113	74597	45.368	ug/l	0.07
Spiked Amount	50.000		Recovery	=	90.740%	
50) Toluene-d8	10.280	98	305556	45.761	ug/l	0.05
Spiked Amount	50.000		Recovery	=	91.520%	
62) 4-Bromofluorobenzene	12.912	95	99740	47.515	ug/l	0.05
Spiked Amount	50.000		Recovery	=	95.040%	

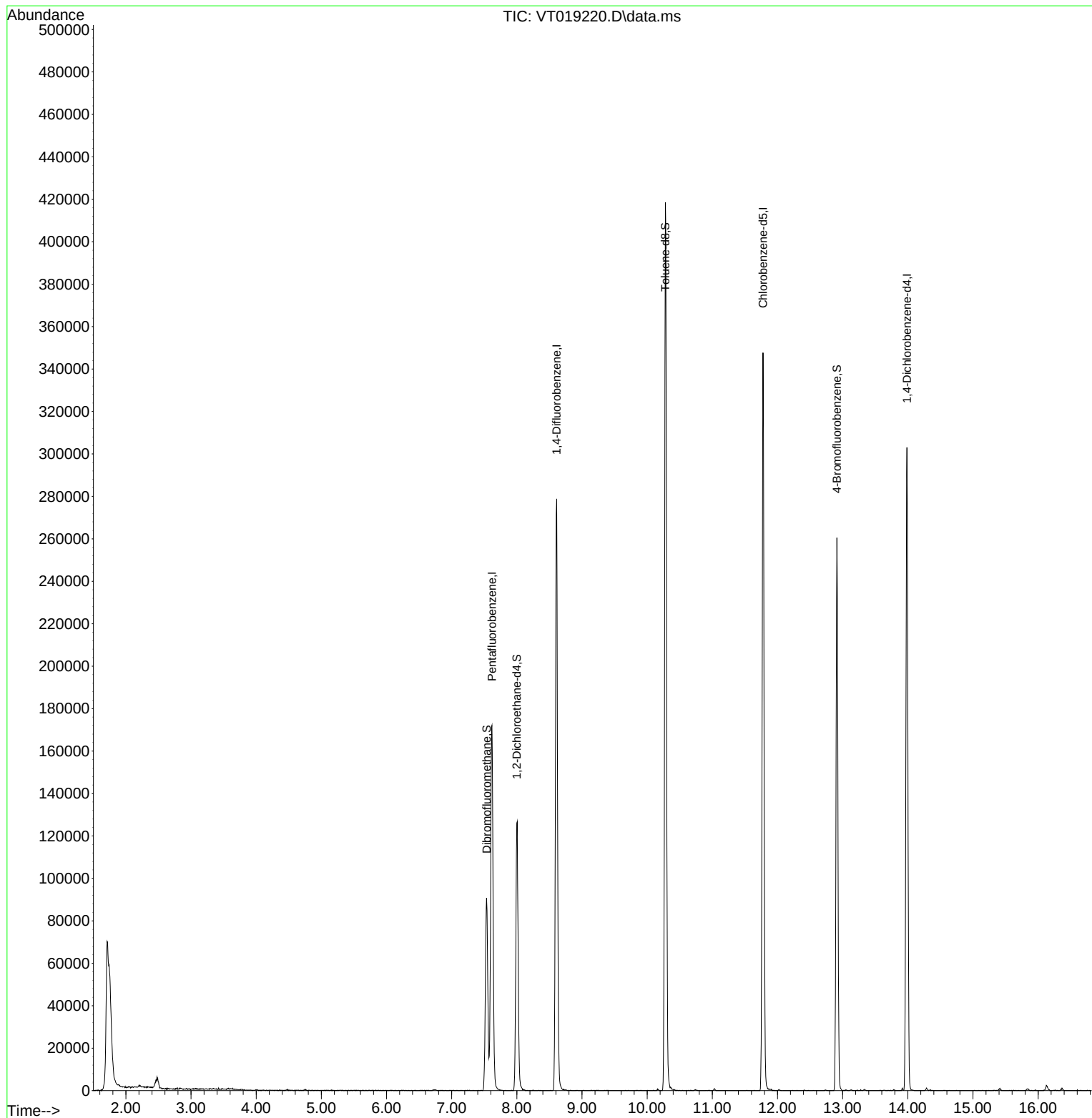
Target Compounds	Qvalue

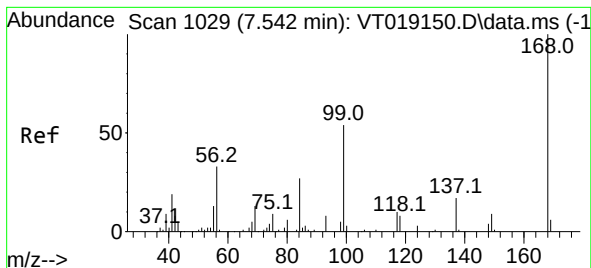
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VT019220.D

Acq: 31 Oct 2025 10:59

Instrument :

MSVOA_T

ClientSampleId :

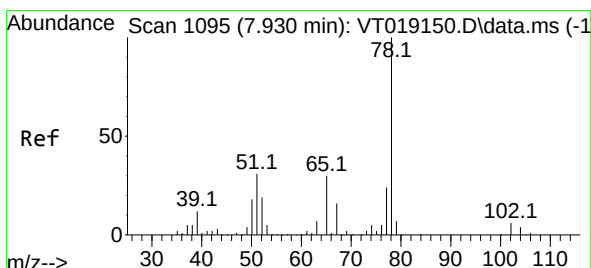
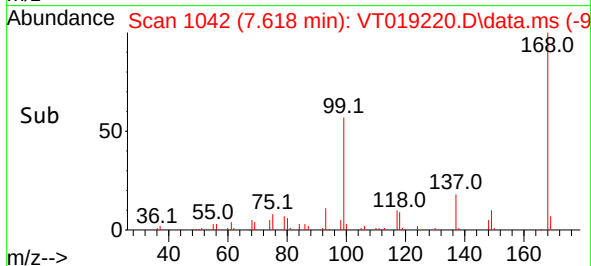
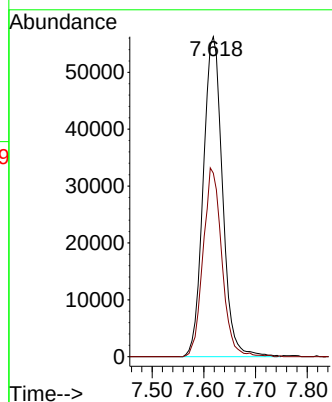
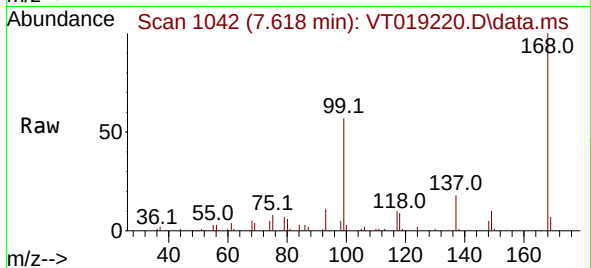
VT1031WBL01

Tgt Ion:168 Resp: 145477

Ion Ratio Lower Upper

168 100

99 57.4 46.6 70.0



#33

1,2-Dichloroethane-d4

Concen: 46.955 ug/l

RT: 8.000 min Scan# 1107

Delta R.T. 0.065 min

Lab File: VT019220.D

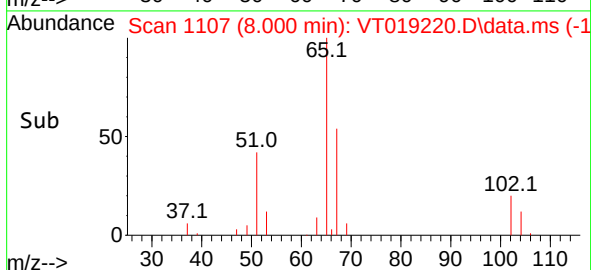
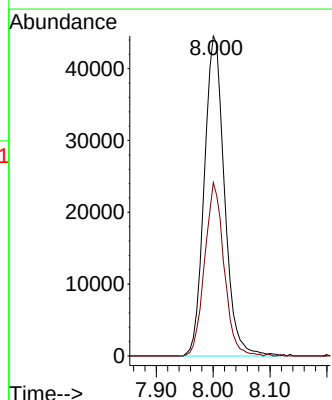
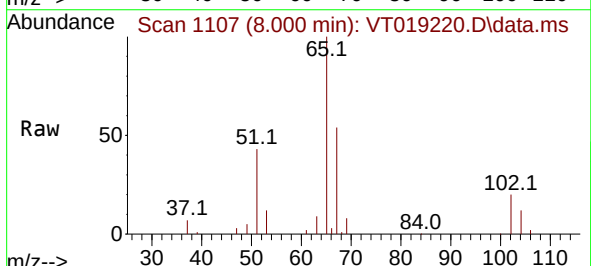
Acq: 31 Oct 2025 10:59

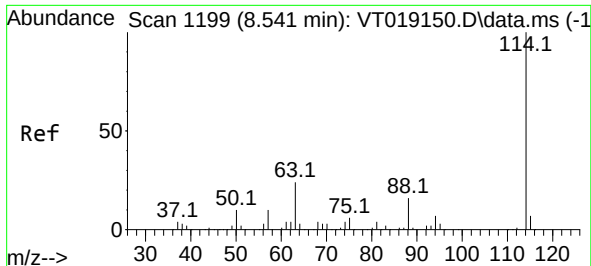
Tgt Ion: 65 Resp: 109875

Ion Ratio Lower Upper

65 100

67 51.9 0.0 102.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.611 min Scan# 11

Delta R.T. 0.064 min

Lab File: VT019220.D

Acq: 31 Oct 2025 10:59

Instrument :

MSVOA_T

ClientSampleId :

VT1031WBL01

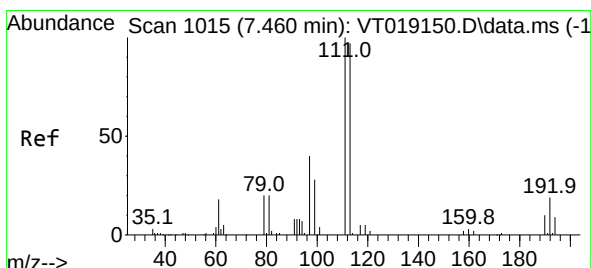
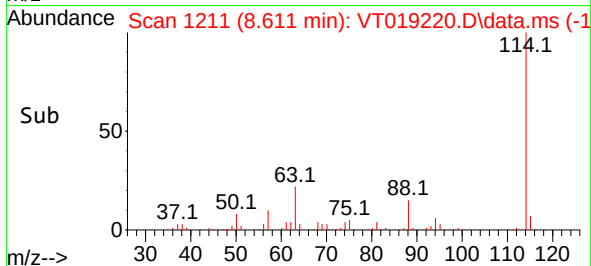
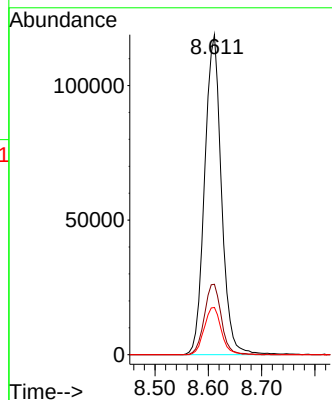
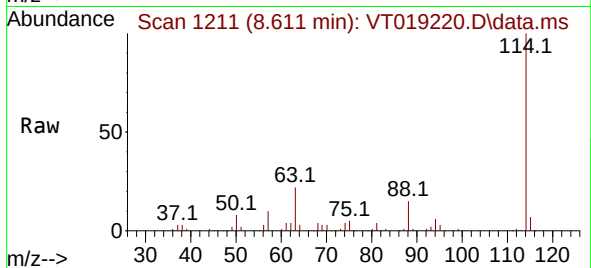
Tgt Ion:114 Resp: 259974

Ion Ratio Lower Upper

114 100

63 22.0 0.0 47.2

88 14.7 0.0 32.6



#35

Dibromofluoromethane

Concen: 45.368 ug/l

RT: 7.536 min Scan# 1028

Delta R.T. 0.071 min

Lab File: VT019220.D

Acq: 31 Oct 2025 10:59

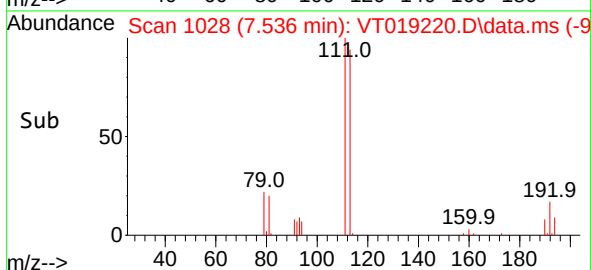
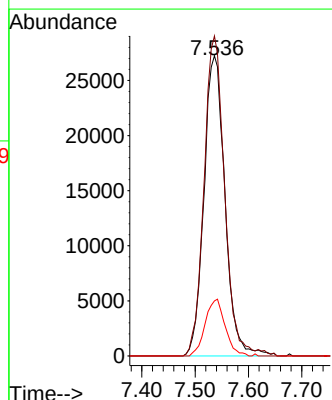
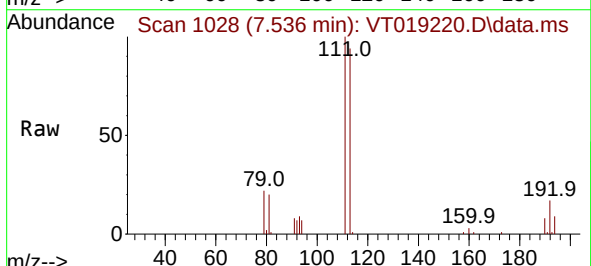
Tgt Ion:113 Resp: 74597

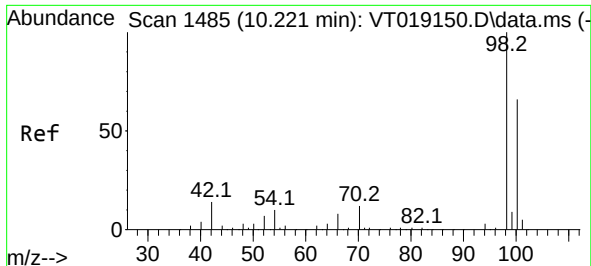
Ion Ratio Lower Upper

113 100

111 103.6 81.6 122.4

192 17.9 15.3 22.9

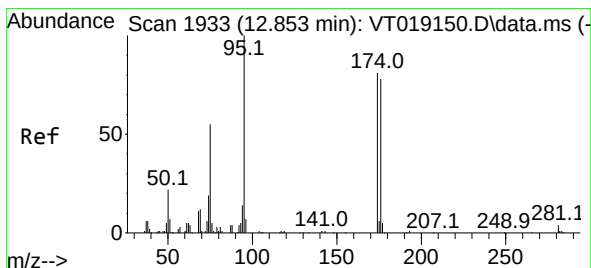
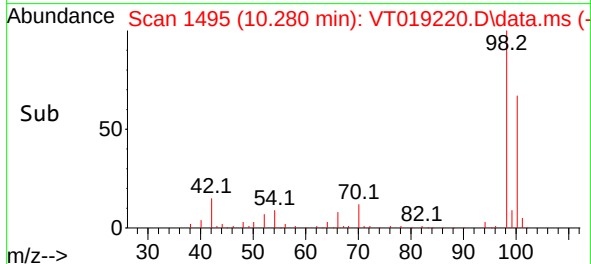
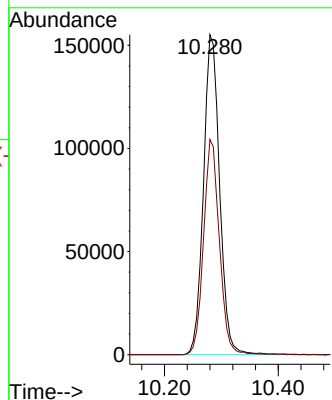
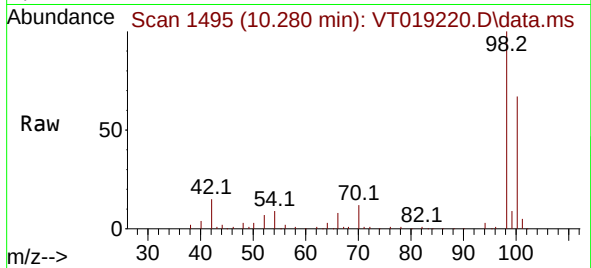




#50
Toluene-d8
Concen: 45.761 ug/l
RT: 10.280 min Scan# 1485
Delta R.T. 0.053 min
Lab File: VT019220.D
Acq: 31 Oct 2025 10:59

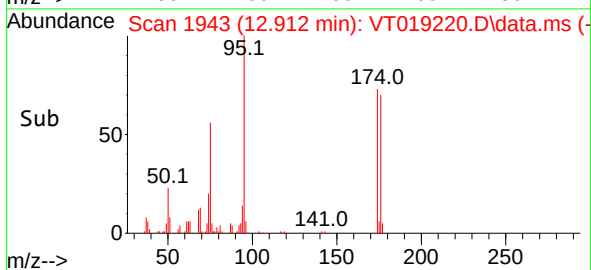
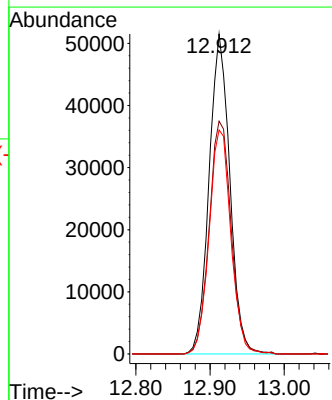
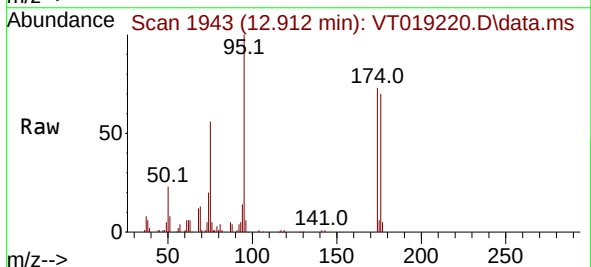
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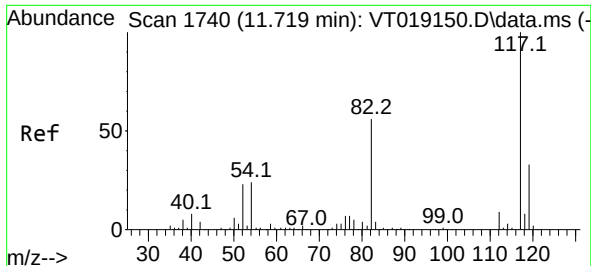
Tgt Ion: 98 Resp: 305556
Ion Ratio Lower Upper
98 100
100 65.9 53.5 80.3



#62
4-Bromofluorobenzene
Concen: 47.515 ug/l
RT: 12.912 min Scan# 1943
Delta R.T. 0.053 min
Lab File: VT019220.D
Acq: 31 Oct 2025 10:59

Tgt Ion: 95 Resp: 99740
Ion Ratio Lower Upper
95 100
174 77.5 0.0 160.6
176 73.5 0.0 156.6

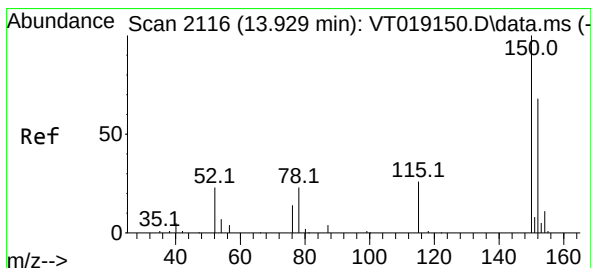
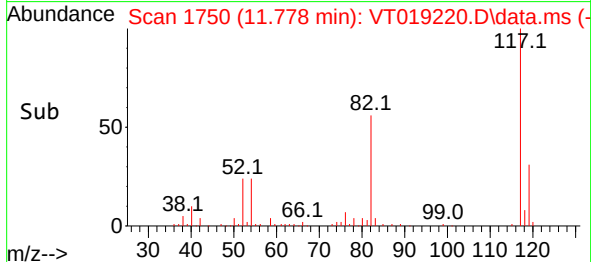
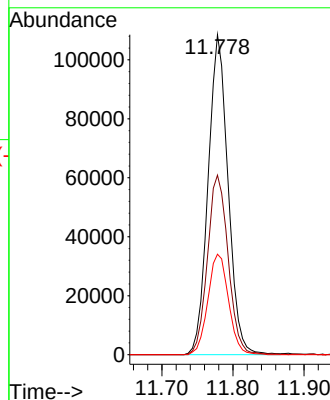
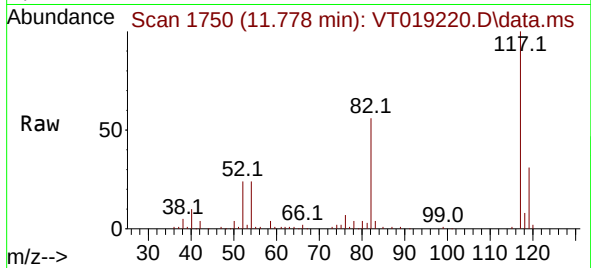




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.778 min Scan# 117
Delta R.T. 0.053 min
Lab File: VT019220.D
Acq: 31 Oct 2025 10:59

Instrument :
MSVOA_T
ClientSampleId :
VT1031WBL01

Tgt Ion:117 Resp: 211556
Ion Ratio Lower Upper
117 100
82 56.1 45.1 67.7
119 31.4 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: VT019220.D
Acq: 31 Oct 2025 10:59

Tgt Ion:152 Resp: 97945
Ion Ratio Lower Upper
152 100
115 59.4 29.6 88.9
150 158.3 0.0 342.6

