

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120125\
 Data File : VN088376.D
 Acq On : 01 Dec 2025 12:51
 Operator : JC\MD
 Sample : Q3741-07
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TB-1

Quant Time: Dec 02 00:12:29 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 25 01:34:52 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	190816	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	417130	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	399475	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.771	152	192688	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	195284	54.327	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	108.660%
35) Dibromofluoromethane	8.147	113	149281	51.642	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	103.280%
50) Toluene-d8	10.547	98	542248	50.415	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	100.840%
62) 4-Bromofluorobenzene	12.823	95	200961	54.454	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	108.900%

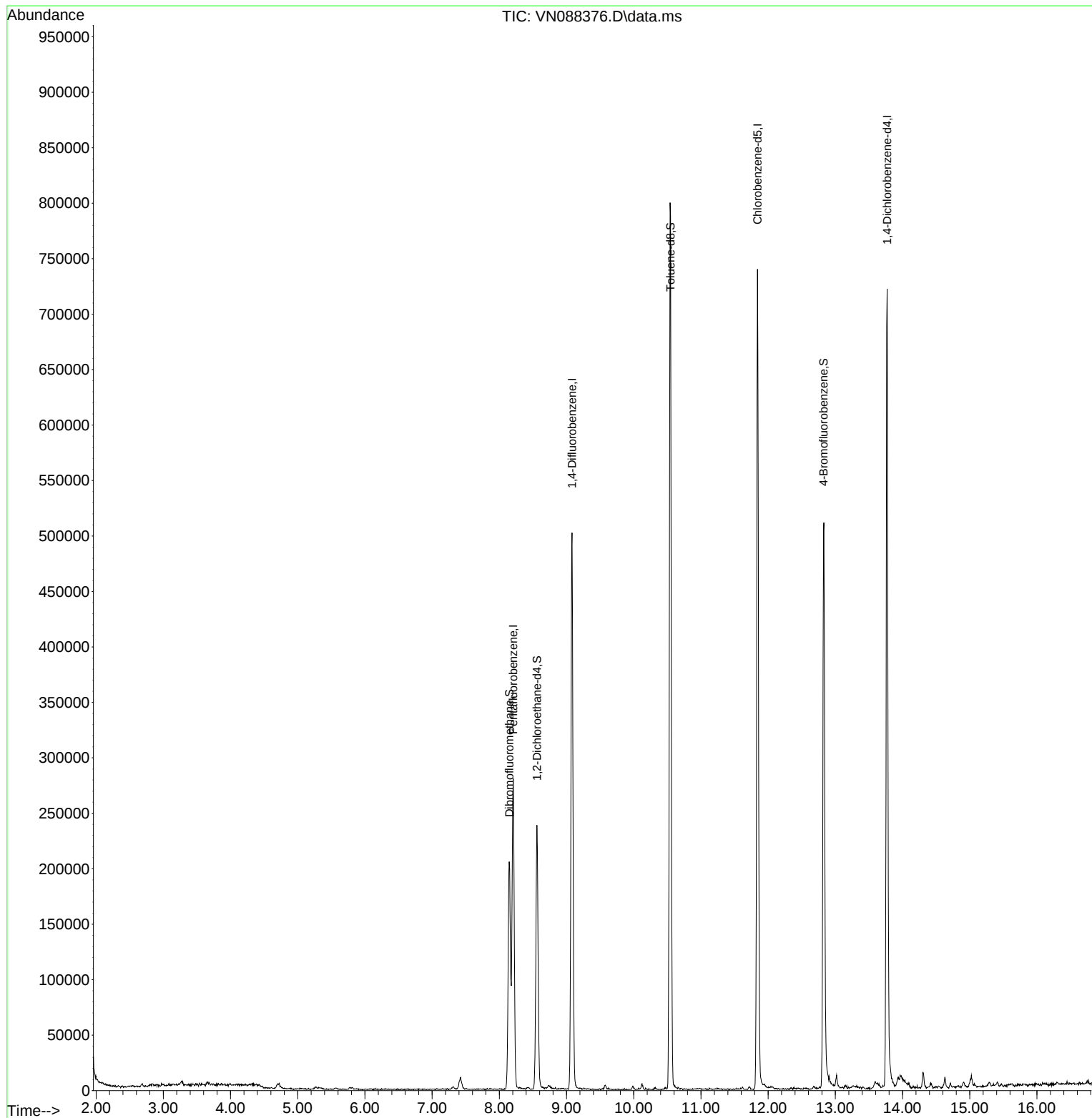
Target Compounds	Qvalue

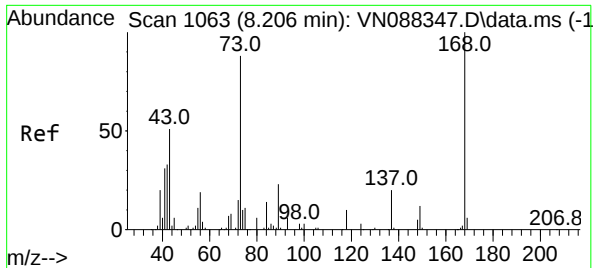
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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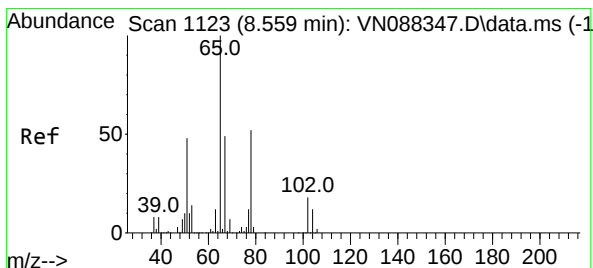
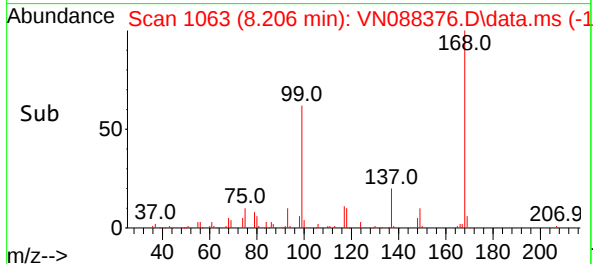
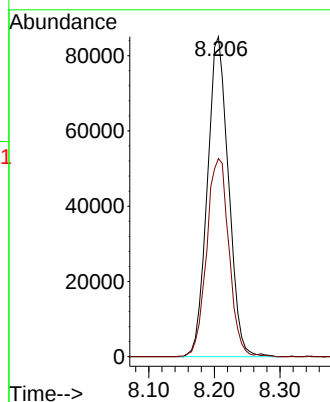
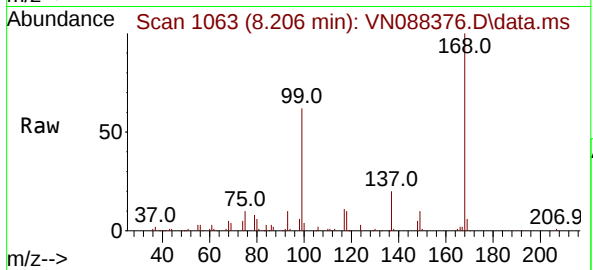




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VN088376.D
Acq: 01 Dec 2025 12:51

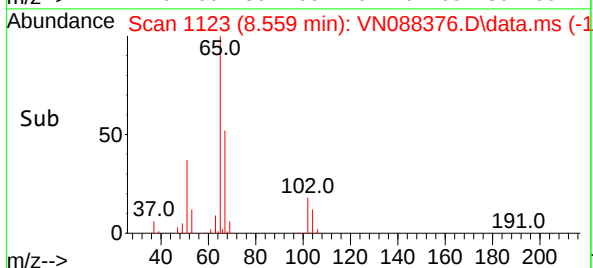
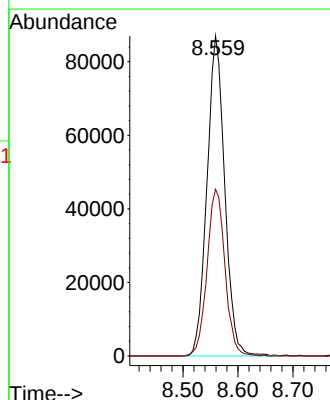
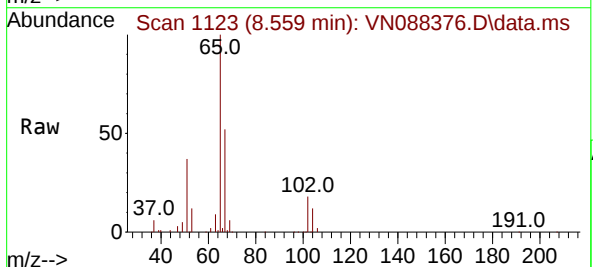
Instrument :
MSVOA_N
ClientSampleId :
TB-1

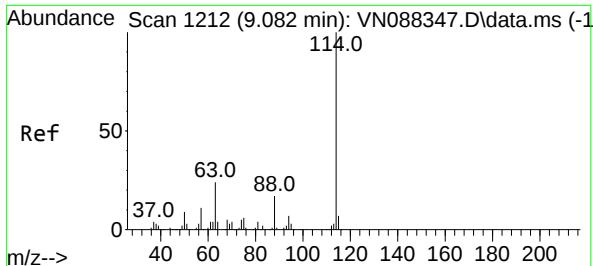
Tgt Ion:168 Resp: 190816
Ion Ratio Lower Upper
168 100
99 61.9 57.1 85.7



#33
1,2-Dichloroethane-d4
Concen: 54.327 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. 0.000 min
Lab File: VN088376.D
Acq: 01 Dec 2025 12:51

Tgt Ion: 65 Resp: 195284
Ion Ratio Lower Upper
65 100
67 52.4 0.0 100.8

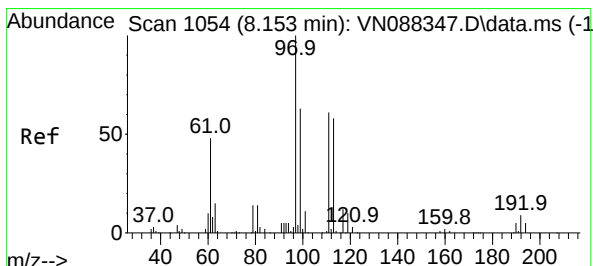
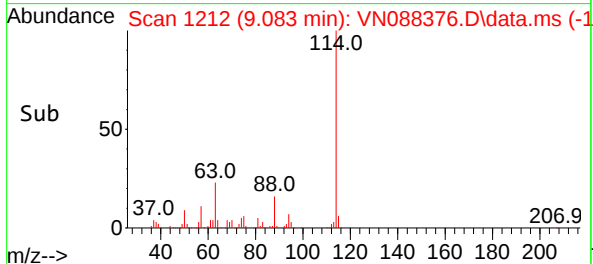
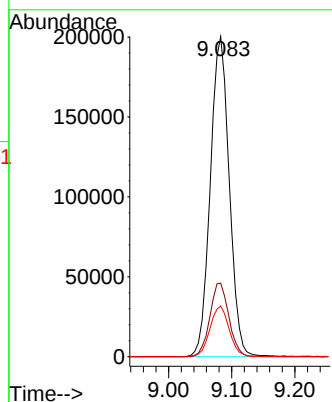
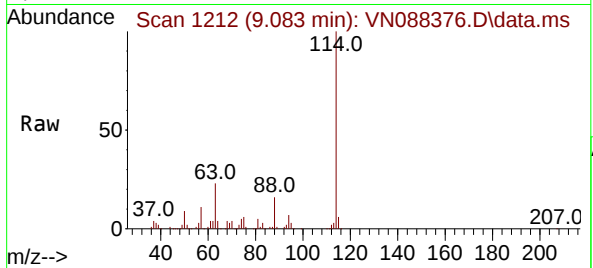




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.083 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VN088376.D
 Acq: 01 Dec 2025 12:51

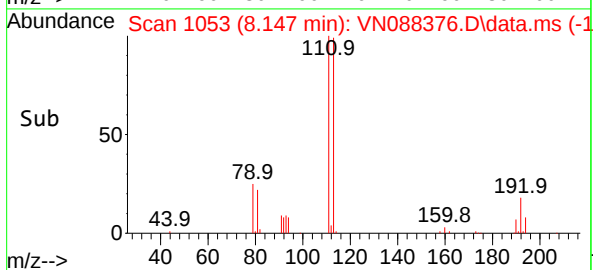
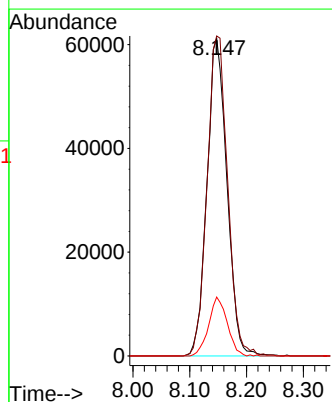
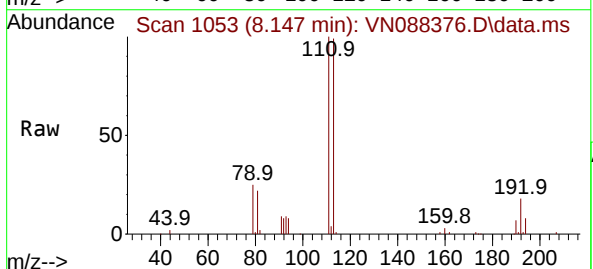
Instrument :
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 ClientSampleId :
 TB-1

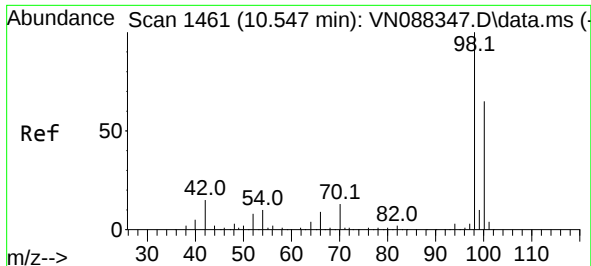
Tgt Ion:114 Resp: 417130
 Ion Ratio Lower Upper
 114 100
 63 23.0 0.0 49.0
 88 15.8 0.0 34.0



#35
 Dibromofluoromethane
 Concen: 51.642 ug/l
 RT: 8.147 min Scan# 1053
 Delta R.T. -0.006 min
 Lab File: VN088376.D
 Acq: 01 Dec 2025 12:51

Tgt Ion:113 Resp: 149281
 Ion Ratio Lower Upper
 113 100
 111 103.4 82.5 123.7
 192 17.2 12.8 19.2

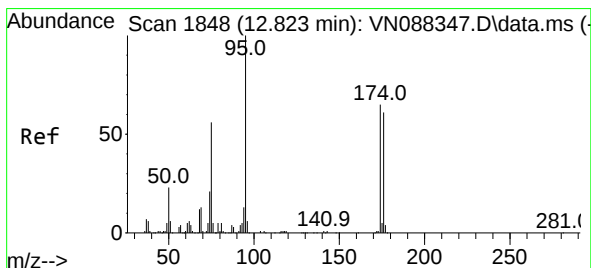
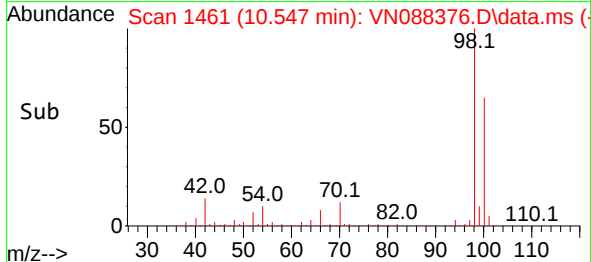
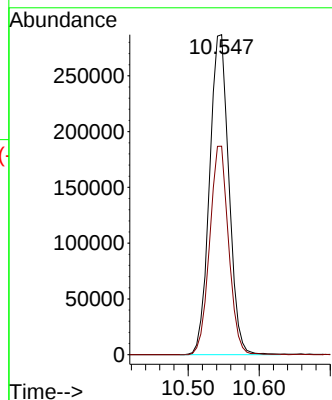
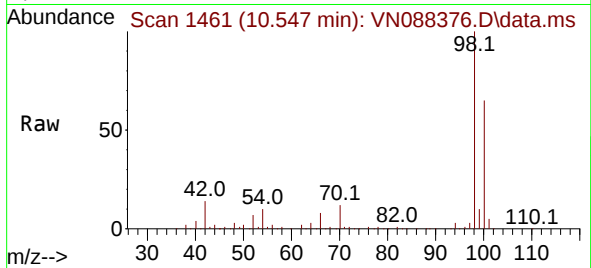




#50
Toluene-d8
Concen: 50.415 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. 0.000 min
Lab File: VN088376.D
Acq: 01 Dec 2025 12:51

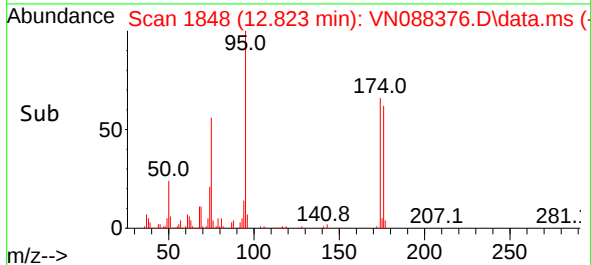
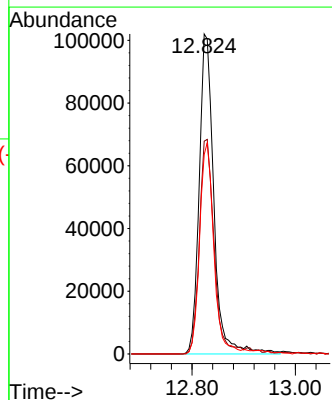
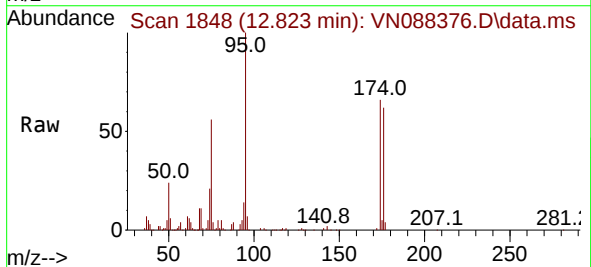
Instrument :
MSVOA_N
ClientSampleId :
TB-1

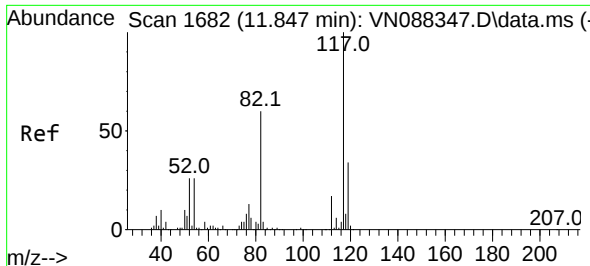
Tgt Ion: 98 Resp: 542248
Ion Ratio Lower Upper
98 100
100 63.8 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 54.454 ug/l
RT: 12.823 min Scan# 1848
Delta R.T. 0.000 min
Lab File: VN088376.D
Acq: 01 Dec 2025 12:51

Tgt Ion: 95 Resp: 200961
Ion Ratio Lower Upper
95 100
174 67.4 0.0 139.0
176 63.5 0.0 132.4

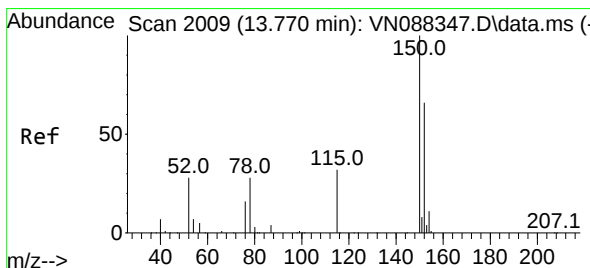
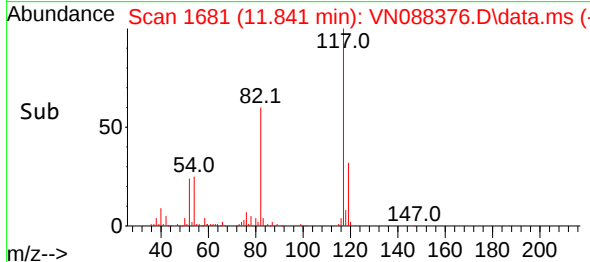
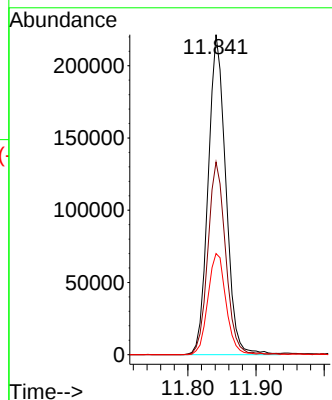
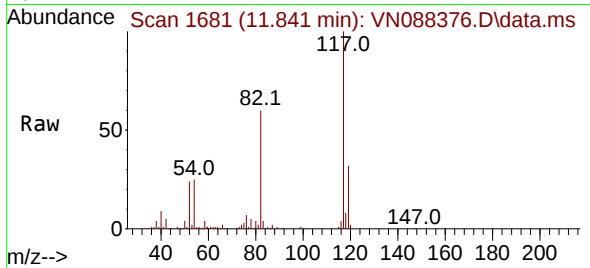




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN088376.D
Acq: 01 Dec 2025 12:51

Instrument :
MSVOA_N
ClientSampleId :
TB-1

Tgt Ion:117 Resp: 399475
Ion Ratio Lower Upper
117 100
82 60.2 47.8 71.8
119 31.6 26.9 40.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.771 min Scan# 2009
Delta R.T. 0.000 min
Lab File: VN088376.D
Acq: 01 Dec 2025 12:51

Tgt Ion:152 Resp: 192688
Ion Ratio Lower Upper
152 100
115 62.7 33.0 98.9
150 157.3 0.0 349.0

