

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111725\
 Data File : VN088299.D
 Acq On : 17 Nov 2025 13:18
 Operator : JC\MD
 Sample : Q3643-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGE-BLANK-WATER-REF-4

Quant Time: Nov 18 03:00:22 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 03 01:16:06 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	180533	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	408977	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	396641	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	187205	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	172614	55.293	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	110.580%
35) Dibromofluoromethane	8.153	113	135916	49.468	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.940%
50) Toluene-d8	10.547	98	481854	45.515	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	91.040%
62) 4-Bromofluorobenzene	12.829	95	176690	47.258	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	94.520%

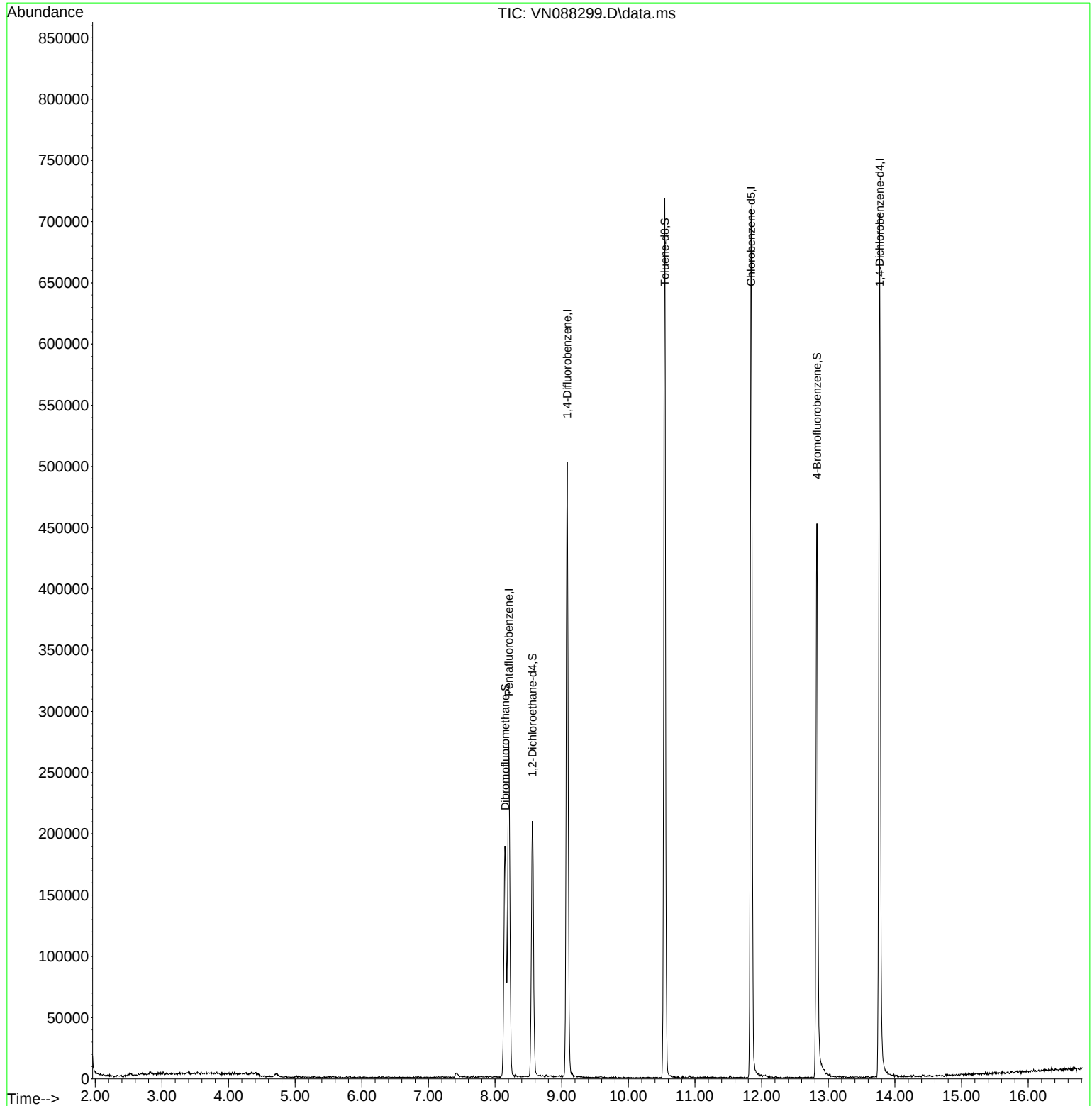
Target Compounds Qvalue

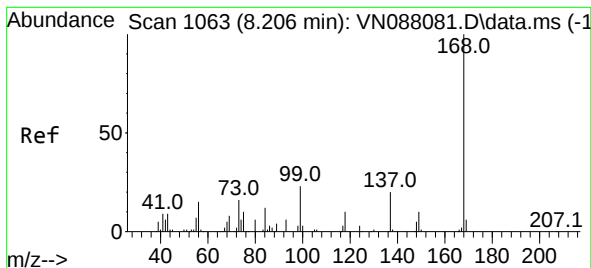
 (#) = qualifier out of range (m) = manual integration (+) = signals summed

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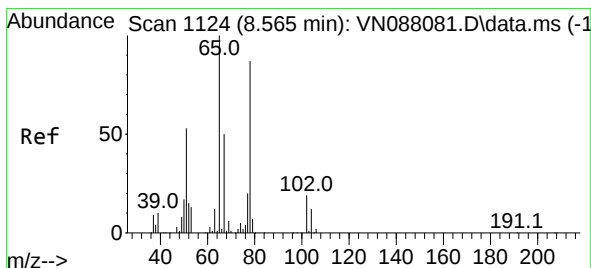
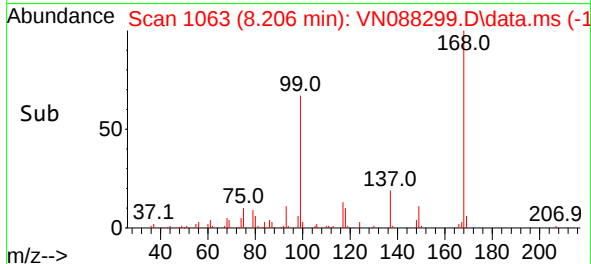
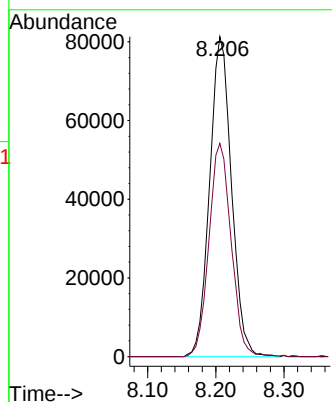
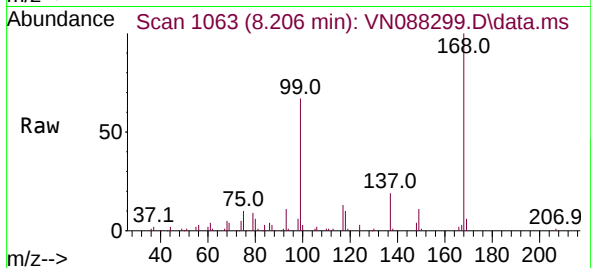




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.000 min
Lab File: VN088299.D
Acq: 17 Nov 2025 13:18

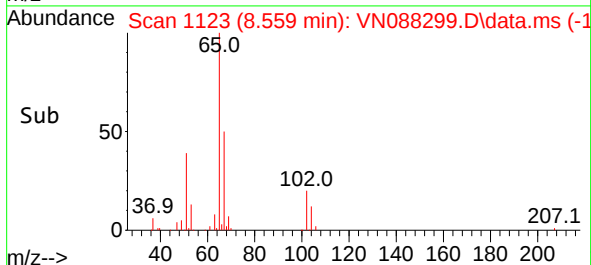
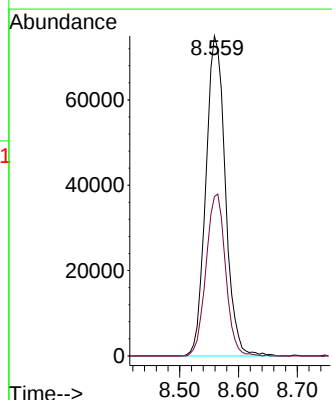
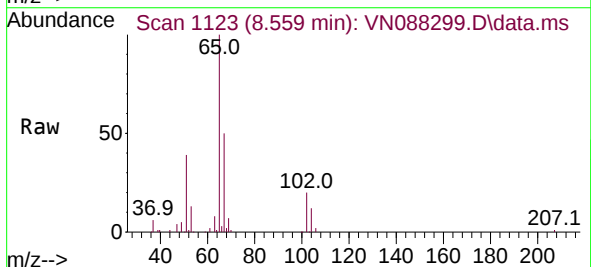
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

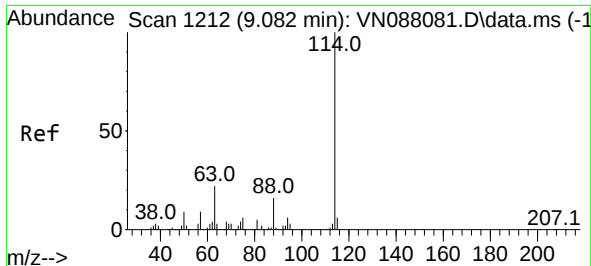
Tgt Ion:168 Resp: 180533
Ion Ratio Lower Upper
168 100
99 66.6 57.2 85.8



#33
1,2-Dichloroethane-d4
Concen: 55.293 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.000 min
Lab File: VN088299.D
Acq: 17 Nov 2025 13:18

Tgt Ion: 65 Resp: 172614
Ion Ratio Lower Upper
65 100
67 50.6 0.0 100.0

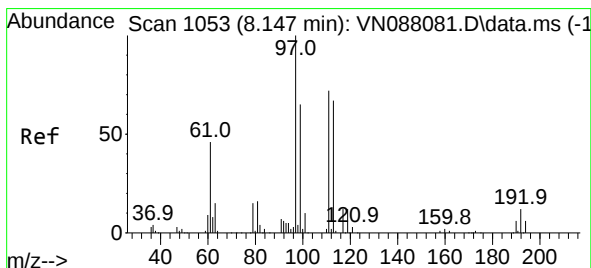
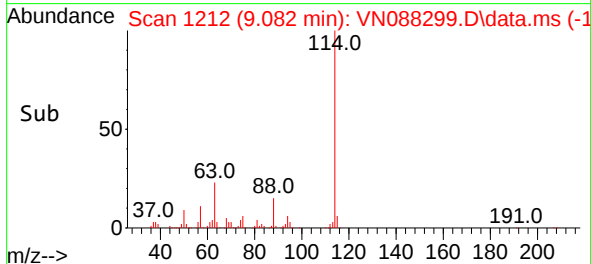
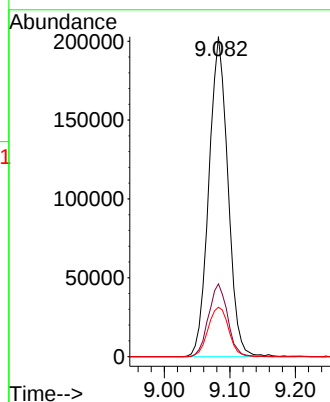
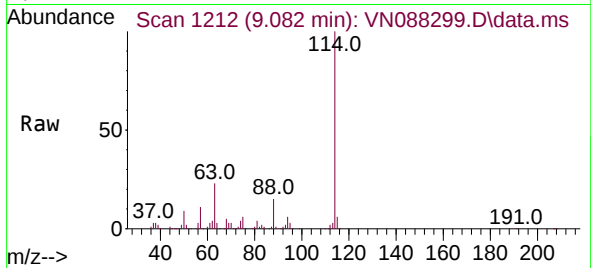




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.082 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN088299.D
Acq: 17 Nov 2025 13:18

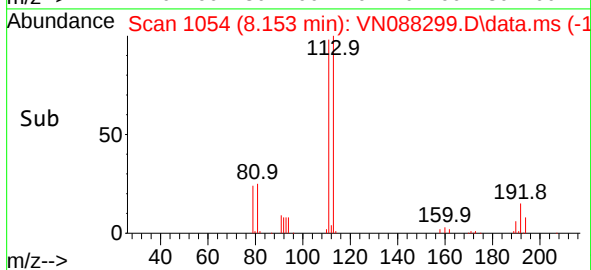
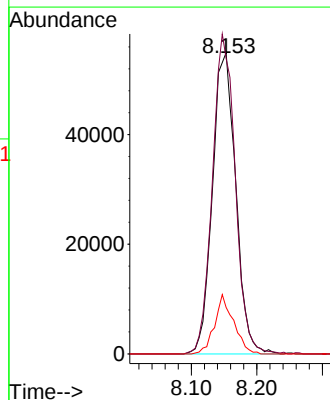
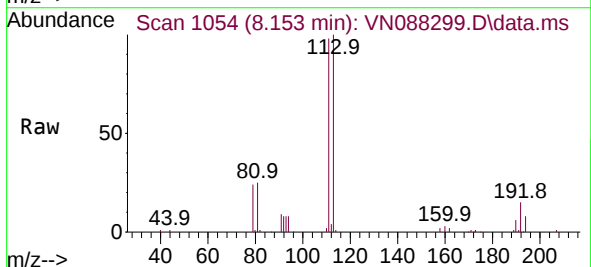
Instrument :
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STORAGE-BLANK-WATER-REF-4

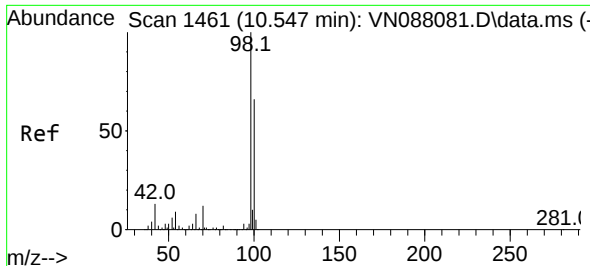
Tgt Ion:114 Resp: 408977
Ion Ratio Lower Upper
114 100
63 22.7 0.0 45.2
88 15.4 0.0 33.4



#35
Dibromofluoromethane
Concen: 49.468 ug/l
RT: 8.153 min Scan# 1054
Delta R.T. -0.000 min
Lab File: VN088299.D
Acq: 17 Nov 2025 13:18

Tgt Ion:113 Resp: 135916
Ion Ratio Lower Upper
113 100
111 104.0 82.8 124.2
192 16.0 12.8 19.2

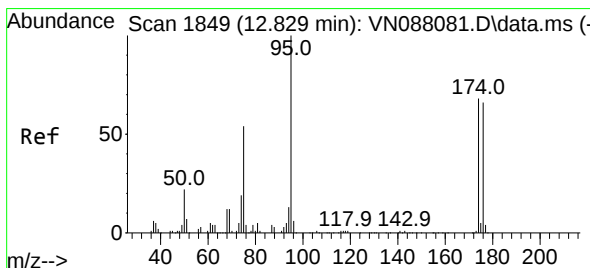
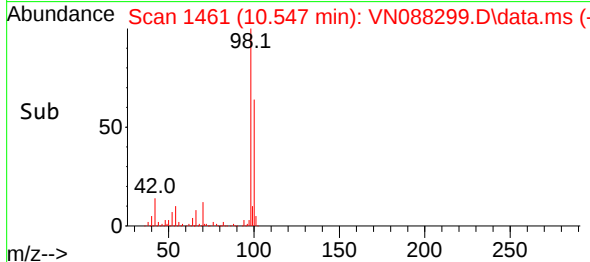
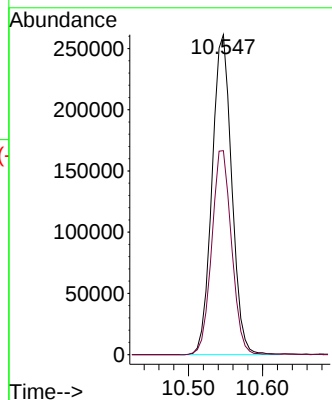
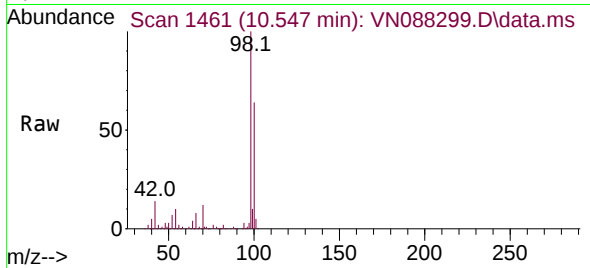




#50
Toluene-d8
Concen: 45.515 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN088299.D
Acq: 17 Nov 2025 13:18

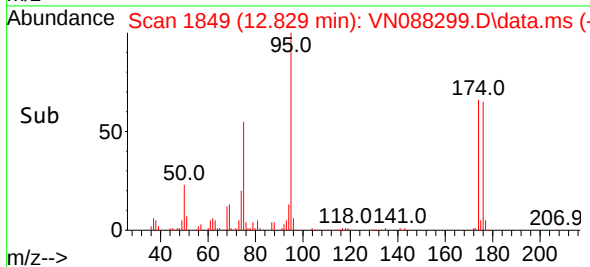
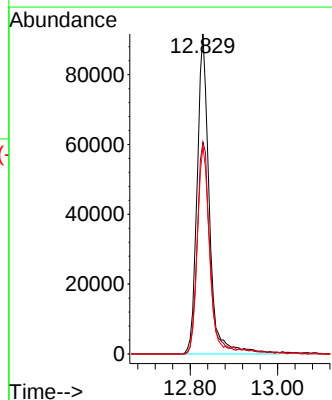
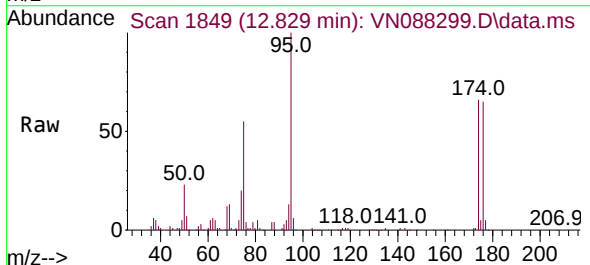
Instrument :
MSVOA_N
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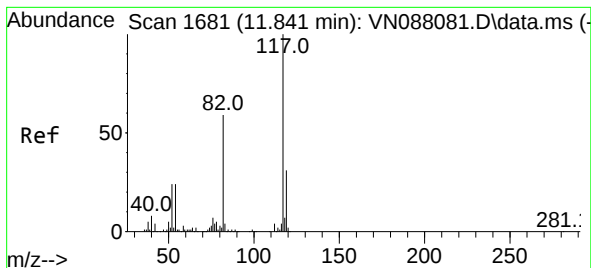
Tgt Ion: 98 Resp: 481854
Ion Ratio Lower Upper
98 100
100 64.3 52.8 79.2



#62
4-Bromofluorobenzene
Concen: 47.258 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN088299.D
Acq: 17 Nov 2025 13:18

Tgt Ion: 95 Resp: 176690
Ion Ratio Lower Upper
95 100
174 68.0 0.0 138.4
176 67.6 0.0 132.6

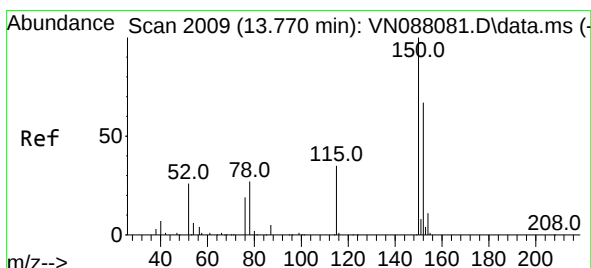
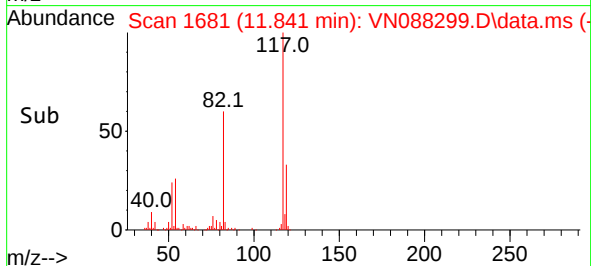
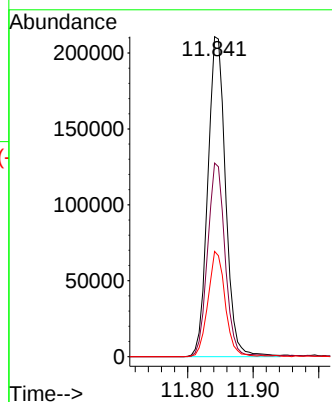
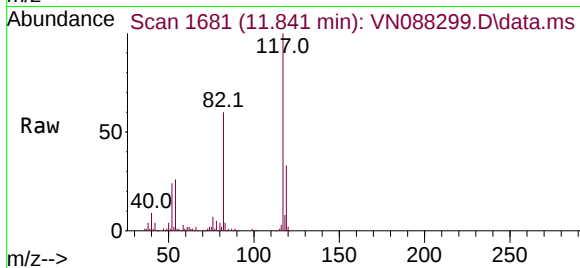




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VN088299.D
Acq: 17 Nov 2025 13:18

Instrument :
MSVOA_N
ClientSampleId :
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Tgt Ion	Ratio	Lower	Upper
117	100		
82	60.5	47.4	71.2
119	32.9	24.3	36.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. 0.006 min
Lab File: VN088299.D
Acq: 17 Nov 2025 13:18

Tgt Ion	Ratio	Lower	Upper
152	100		
115	62.7	32.3	96.8
150	158.1	0.0	351.0

