

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102825\
 Data File : VN088129.D
 Acq On : 28 Oct 2025 11:17
 Operator : JC\MD
 Sample : VN1028WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1028WBL01

Quant Time: Oct 29 02:18:10 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 25 00:15:22 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	231261	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	516618	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	484454	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.771	152	238378	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	219109	54.791	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	109.580%
35) Dibromofluoromethane	8.153	113	162498	46.820	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	93.640%
50) Toluene-d8	10.547	98	598983	44.790	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	89.580%
62) 4-Bromofluorobenzene	12.829	95	227915	48.258	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	96.520%

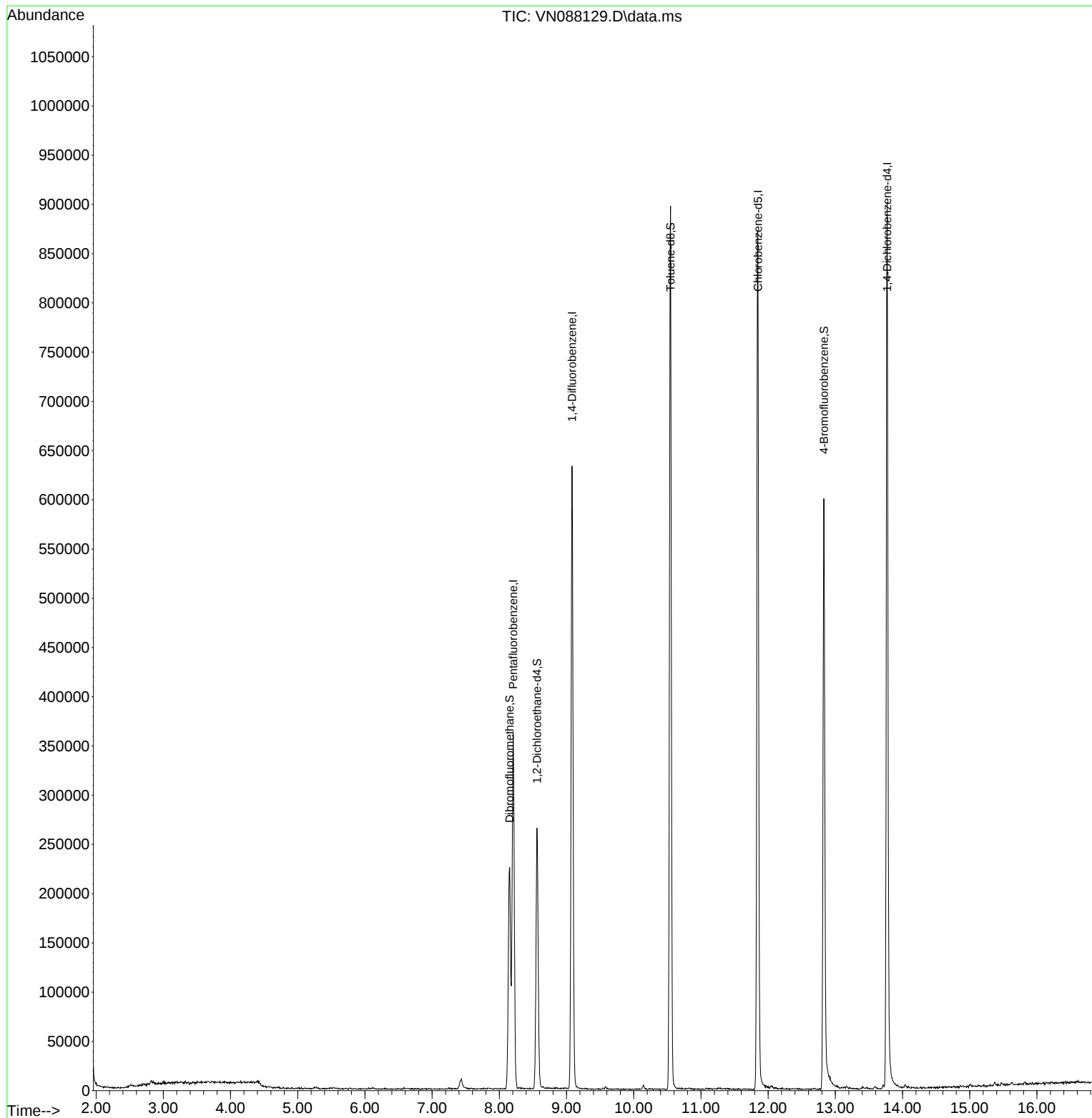
Target Compounds	Qvalue

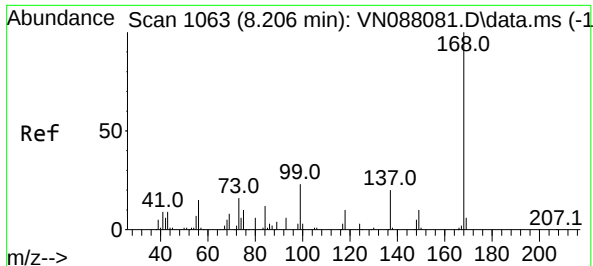
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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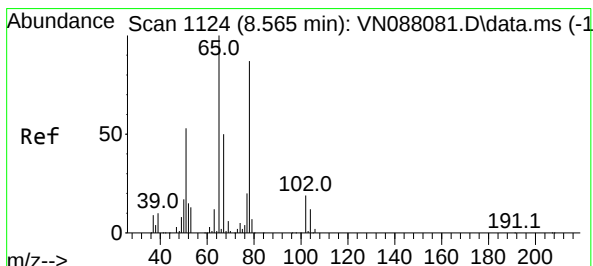
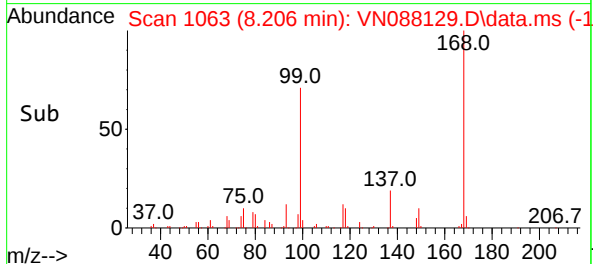
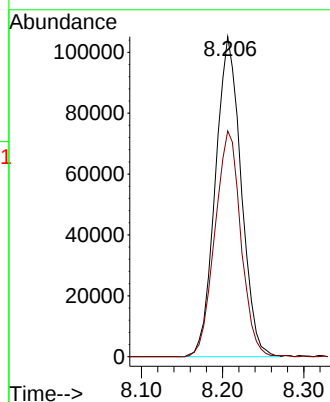
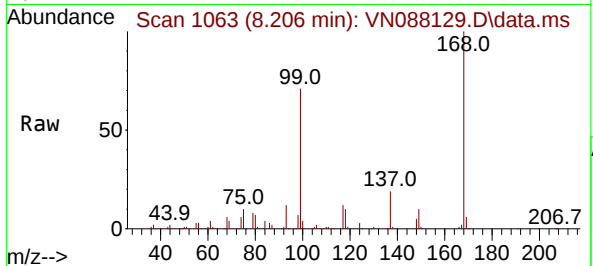




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VN088129.D
Acq: 28 Oct 2025 11:17

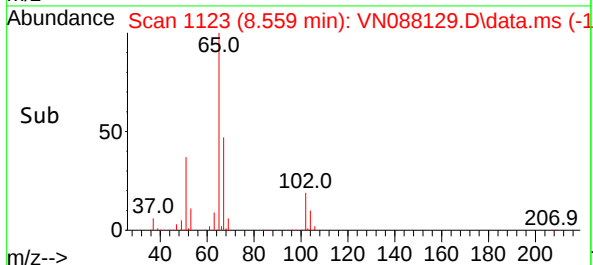
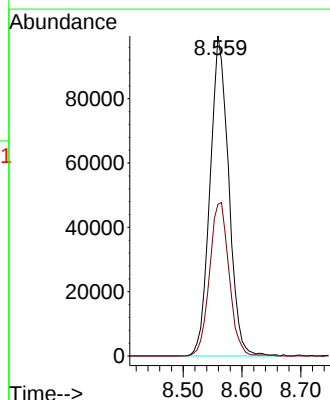
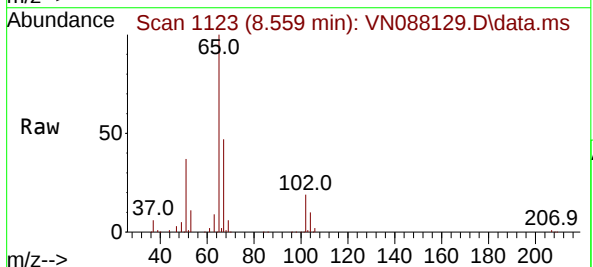
Instrument :
MSVOA_N
ClientSampleId :
VN1028WBL01

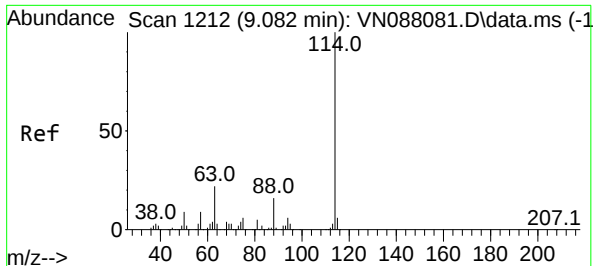
Tgt Ion:168 Resp: 231261
Ion Ratio Lower Upper
168 100
99 70.5 57.2 85.8



#33
1,2-Dichloroethane-d4
Concen: 54.791 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. 0.000 min
Lab File: VN088129.D
Acq: 28 Oct 2025 11:17

Tgt Ion: 65 Resp: 219109
Ion Ratio Lower Upper
65 100
67 50.4 0.0 100.0

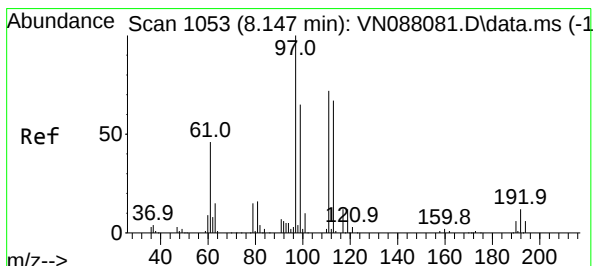
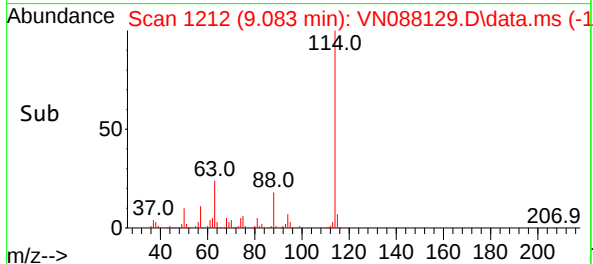
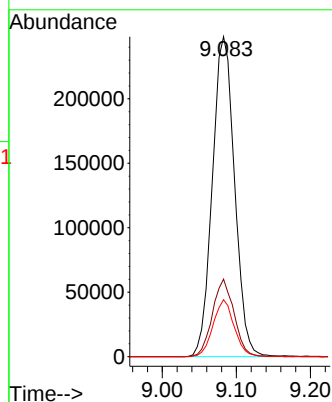
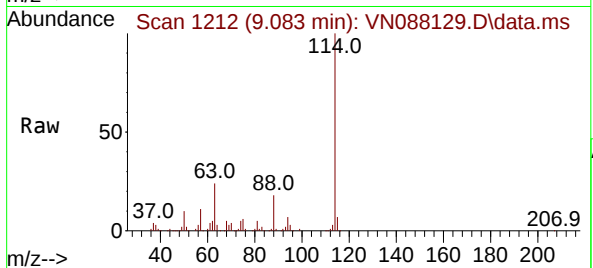




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.083 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN088129.D
Acq: 28 Oct 2025 11:17

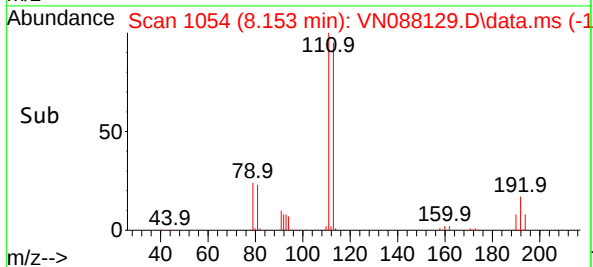
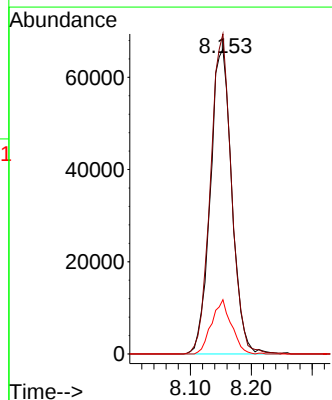
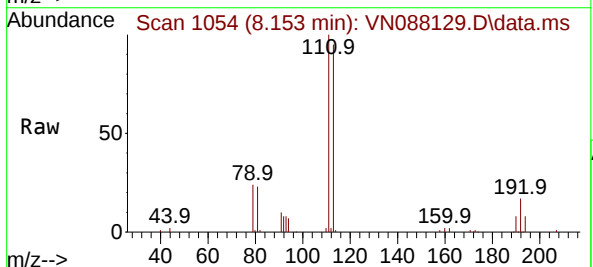
Instrument :
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VN1028WBL01

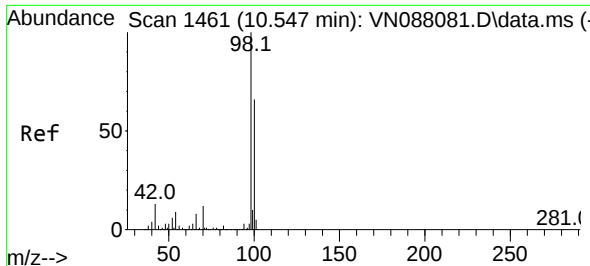
Tgt Ion:114 Resp: 516618
Ion Ratio Lower Upper
114 100
63 24.3 0.0 45.2
88 17.8 0.0 33.4



#35
Dibromofluoromethane
Concen: 46.820 ug/l
RT: 8.153 min Scan# 1054
Delta R.T. 0.000 min
Lab File: VN088129.D
Acq: 28 Oct 2025 11:17

Tgt Ion:113 Resp: 162498
Ion Ratio Lower Upper
113 100
111 102.4 82.8 124.2
192 16.4 12.8 19.2

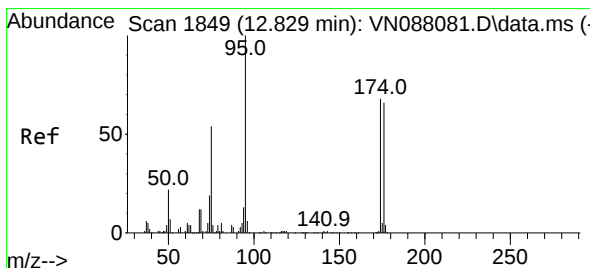
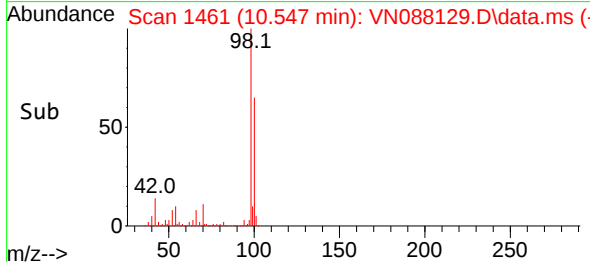
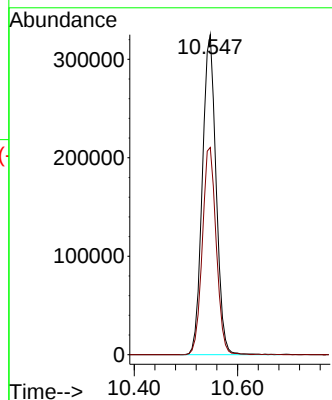
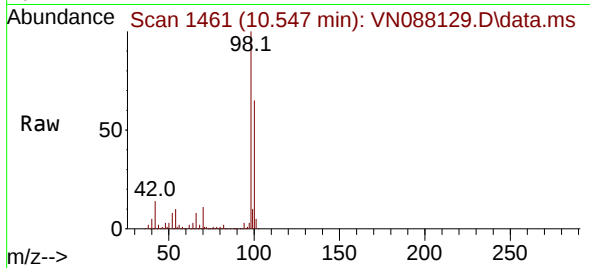




#50
Toluene-d8
Concen: 44.790 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. 0.000 min
Lab File: VN088129.D
Acq: 28 Oct 2025 11:17

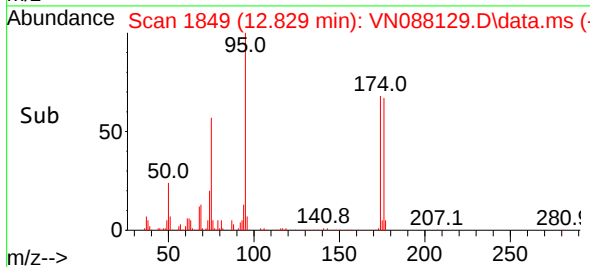
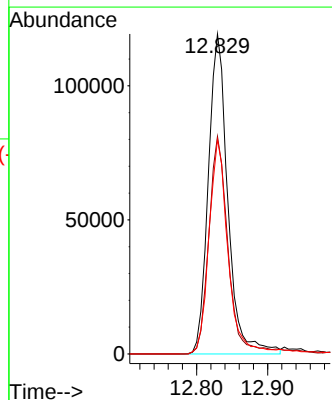
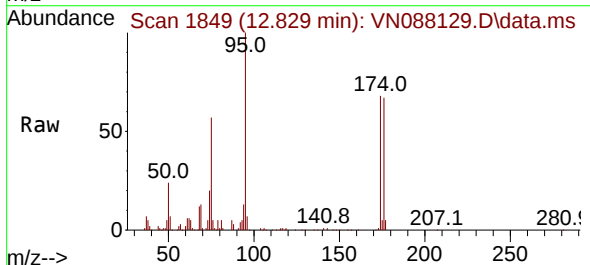
Instrument :
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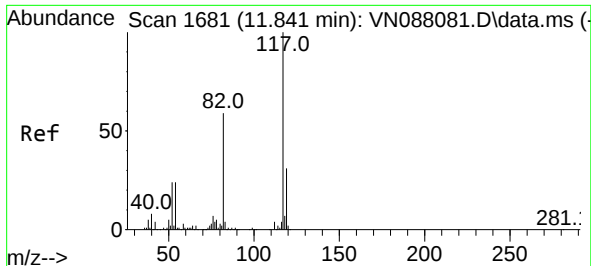
Tgt Ion: 98 Resp: 598983
Ion Ratio Lower Upper
98 100
100 65.5 52.8 79.2



#62
4-Bromofluorobenzene
Concen: 48.258 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN088129.D
Acq: 28 Oct 2025 11:17

Tgt Ion: 95 Resp: 227915
Ion Ratio Lower Upper
95 100
174 68.5 0.0 138.4
176 66.9 0.0 132.6

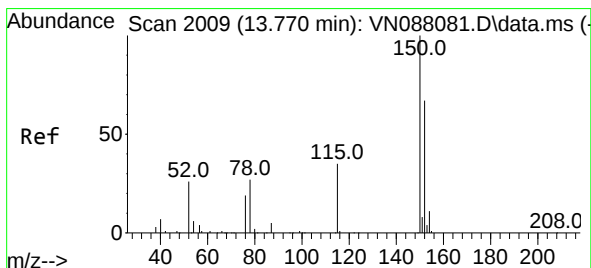
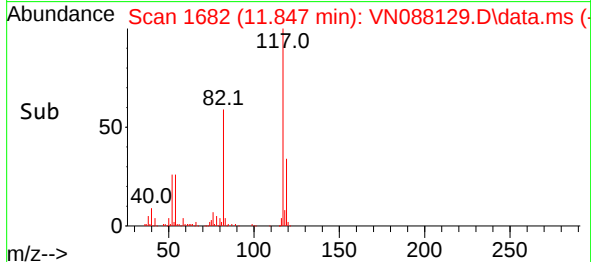
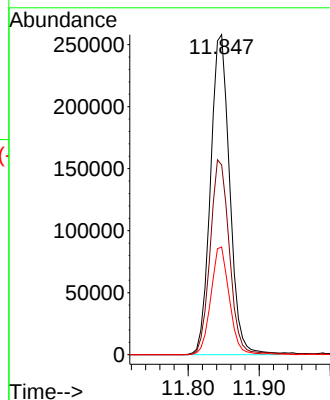
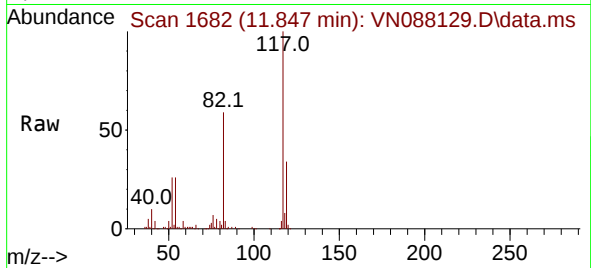




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 117
Delta R.T. 0.006 min
Lab File: VN088129.D
Acq: 28 Oct 2025 11:17

Instrument :
MSVOA_N
ClientSampleId :
VN1028WBL01

Tgt Ion:117 Resp: 484454
Ion Ratio Lower Upper
117 100
82 59.3 47.4 71.2
119 33.6 24.3 36.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.771 min Scan# 2009
Delta R.T. 0.006 min
Lab File: VN088129.D
Acq: 28 Oct 2025 11:17

Tgt Ion:152 Resp: 238378
Ion Ratio Lower Upper
152 100
115 65.4 32.3 96.8
150 157.8 0.0 351.0

