

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100325\
 Data File : VN088019.D
 Acq On : 03 Oct 2025 13:21
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Oct 04 02:55:33 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 24 05:05:30 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	193758	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	428468	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	445314	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	224602	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	166939	51.196	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	102.400%
35) Dibromofluoromethane	8.147	113	144763	46.534	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	93.060%
50) Toluene-d8	10.547	98	503670	46.040	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	92.080%
62) 4-Bromofluorobenzene	12.829	95	195764	50.062	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	100.120%

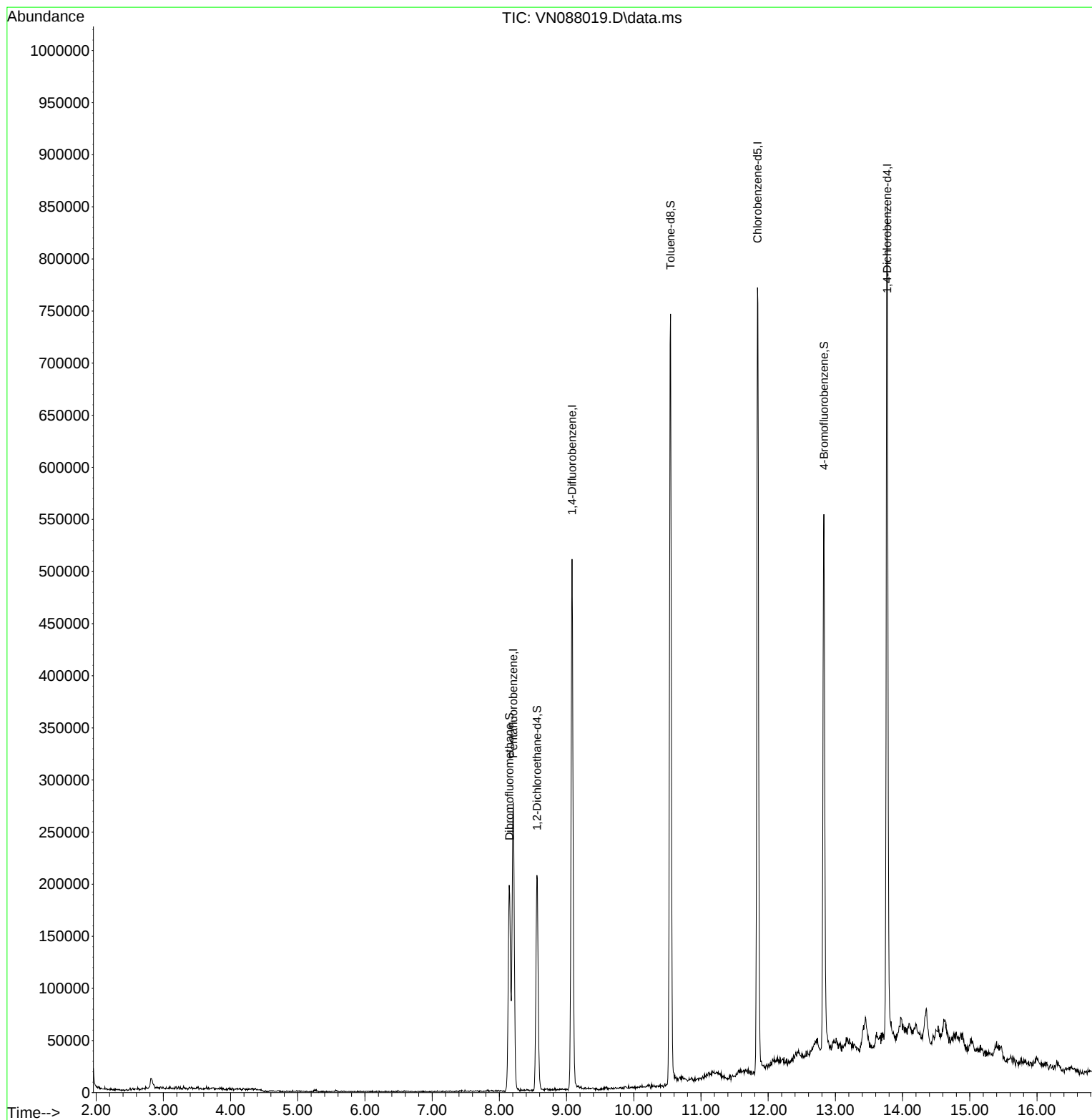
Target Compounds	Qvalue

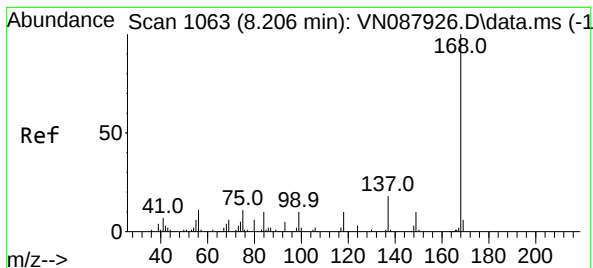
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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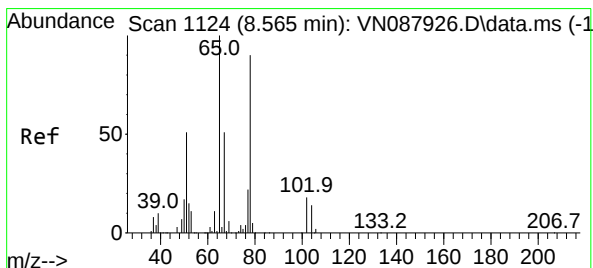
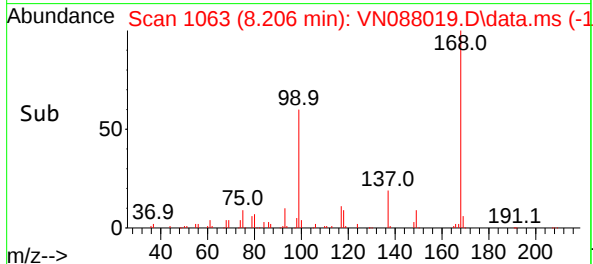
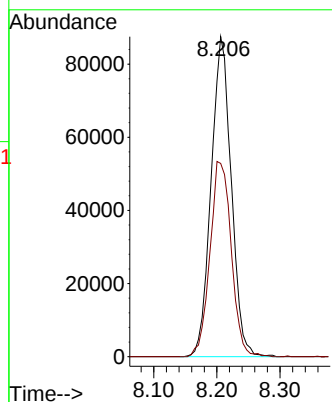
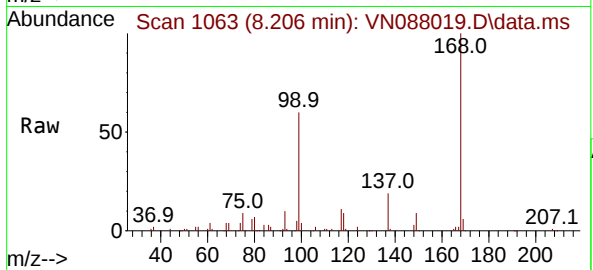




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VN088019.D
Acq: 03 Oct 2025 13:21

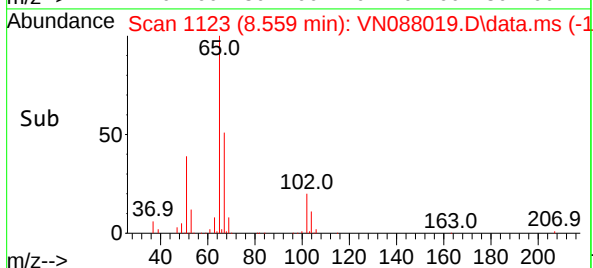
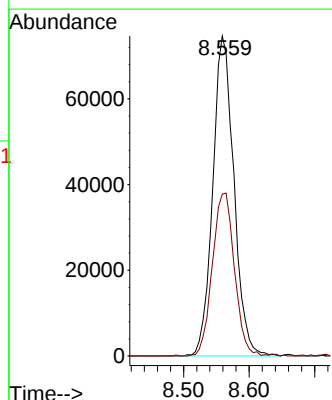
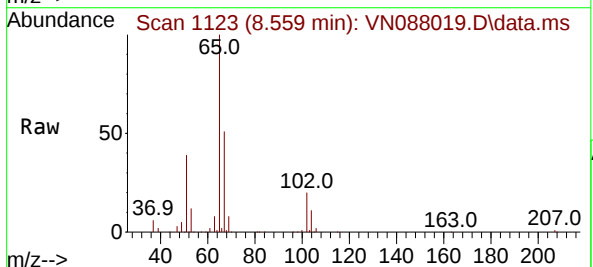
Instrument :
MSVOA_N
ClientSampleId :
IBLK

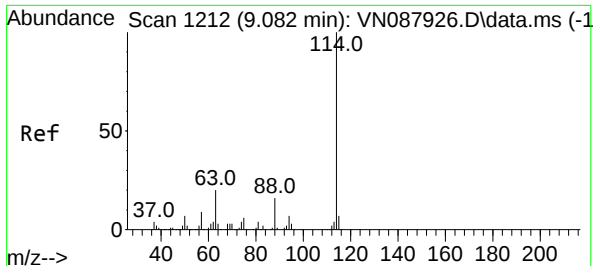
Tgt Ion:168 Resp: 193758
Ion Ratio Lower Upper
168 100
99 60.4 52.2 78.2



#33
1,2-Dichloroethane-d4
Concen: 51.196 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.006 min
Lab File: VN088019.D
Acq: 03 Oct 2025 13:21

Tgt Ion: 65 Resp: 166939
Ion Ratio Lower Upper
65 100
67 53.1 0.0 103.4

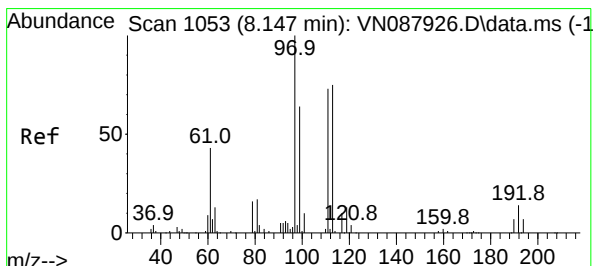
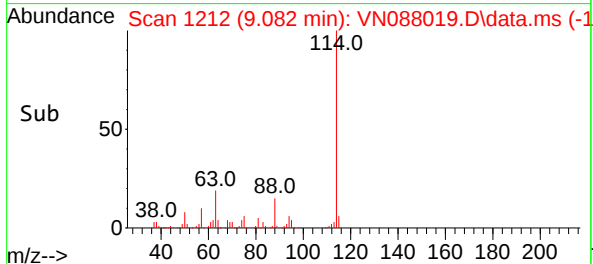
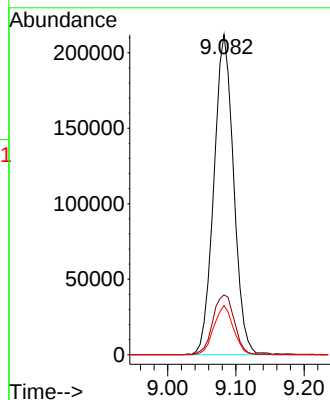
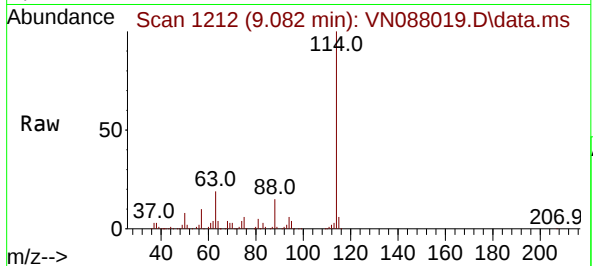




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.082 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN088019.D
Acq: 03 Oct 2025 13:21

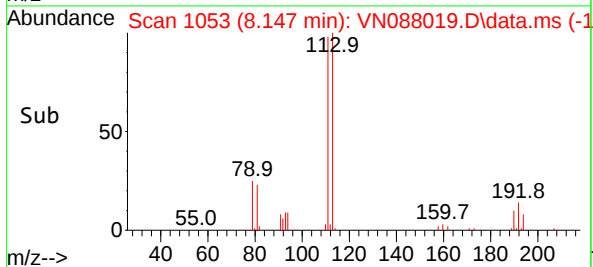
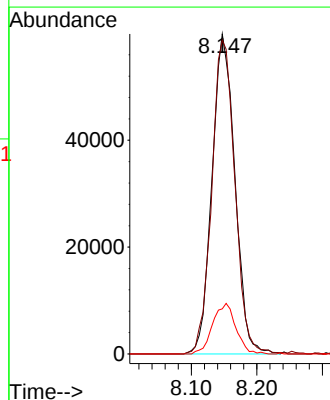
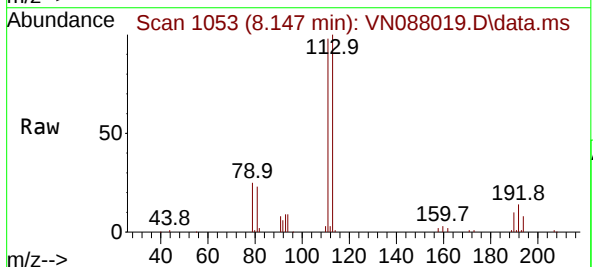
Instrument :
MSVOA_N
ClientSampleId :
IBLK

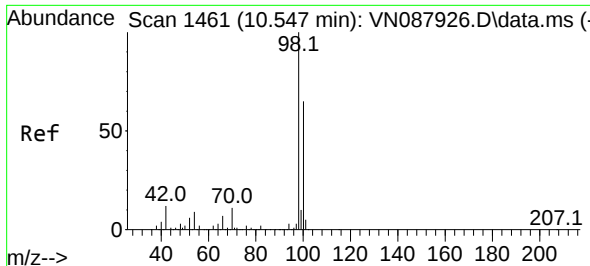
Tgt Ion:114 Resp: 428468
Ion Ratio Lower Upper
114 100
63 18.7 0.0 40.0
88 15.4 0.0 31.8



#35
Dibromofluoromethane
Concen: 46.534 ug/l
RT: 8.147 min Scan# 1053
Delta R.T. 0.000 min
Lab File: VN088019.D
Acq: 03 Oct 2025 13:21

Tgt Ion:113 Resp: 144763
Ion Ratio Lower Upper
113 100
111 99.3 82.2 123.2
192 16.1 14.2 21.2

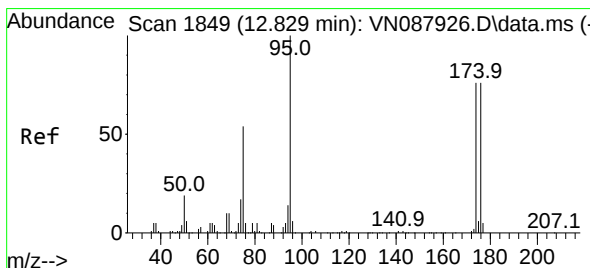
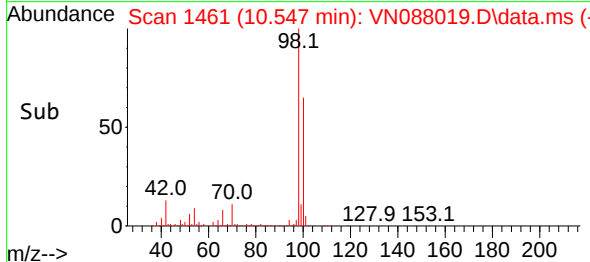
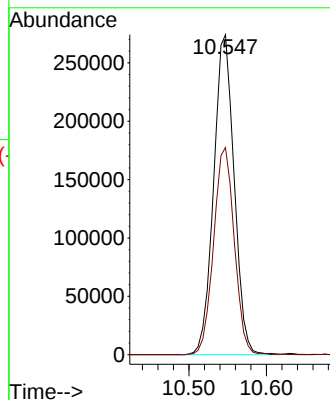
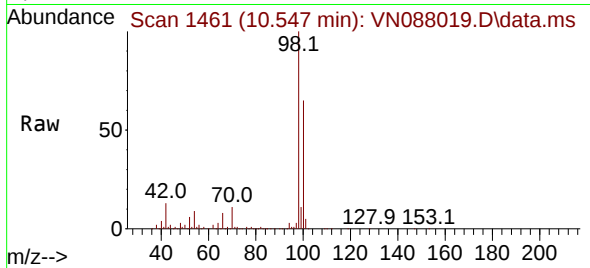




#50
Toluene-d8
Concen: 46.040 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. 0.000 min
Lab File: VN088019.D
Acq: 03 Oct 2025 13:21

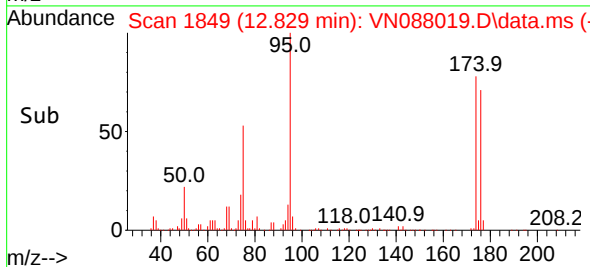
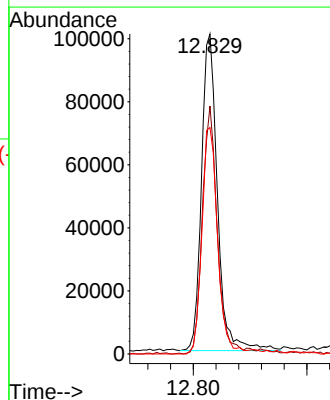
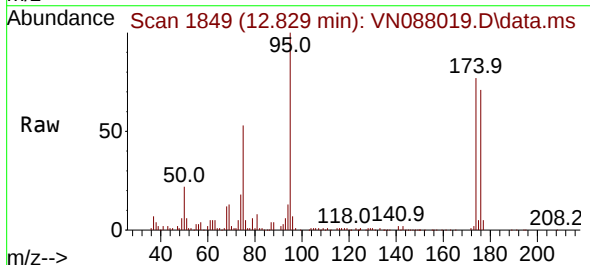
Instrument :
MSVOA_N
ClientSampleId :
IBLK

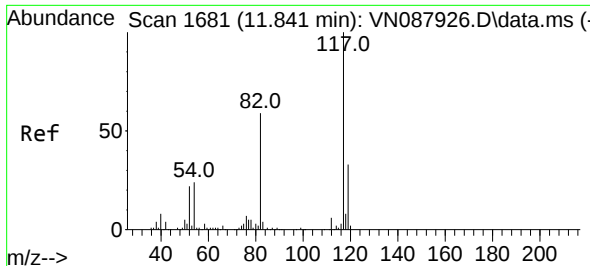
Tgt Ion: 98 Resp: 503670
Ion Ratio Lower Upper
98 100
100 65.3 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 50.062 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VN088019.D
Acq: 03 Oct 2025 13:21

Tgt Ion: 95 Resp: 195764
Ion Ratio Lower Upper
95 100
174 72.8 0.0 159.2
176 70.4 0.0 152.6

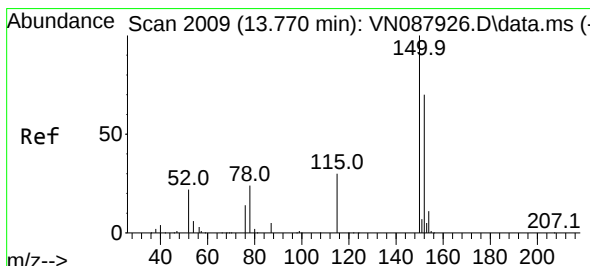
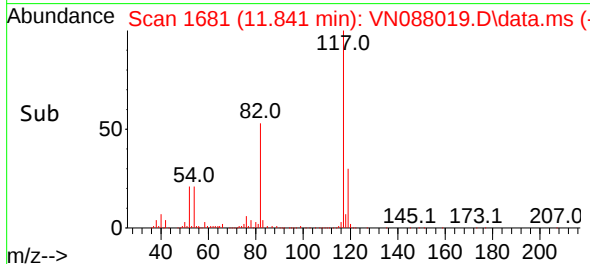
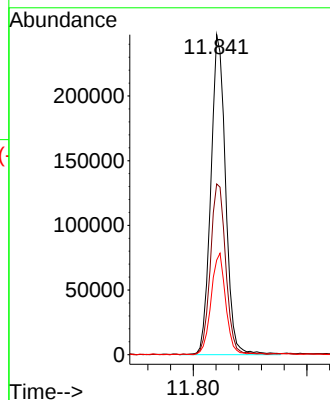
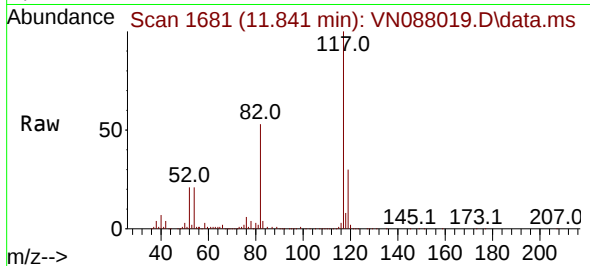




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN088019.D
Acq: 03 Oct 2025 13:21

Instrument :
MSVOA_N
ClientSampleId :
IBLK

Tgt Ion:117 Resp: 445314
Ion Ratio Lower Upper
117 100
82 53.3 47.0 70.4
119 29.4 26.1 39.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. 0.000 min
Lab File: VN088019.D
Acq: 03 Oct 2025 13:21

Tgt Ion:152 Resp: 224602
Ion Ratio Lower Upper
152 100
115 61.9 29.9 89.7
150 158.5 0.0 335.0

