

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112525\
 Data File : VN088359.D
 Acq On : 25 Nov 2025 13:45
 Operator : JC\MD
 Sample : Q3700-01 5X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 EFF-WW

Quant Time: Nov 26 00:18:49 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N111325W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Nov 14 00:49:21 2025
 Response via : Initial Calibration

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

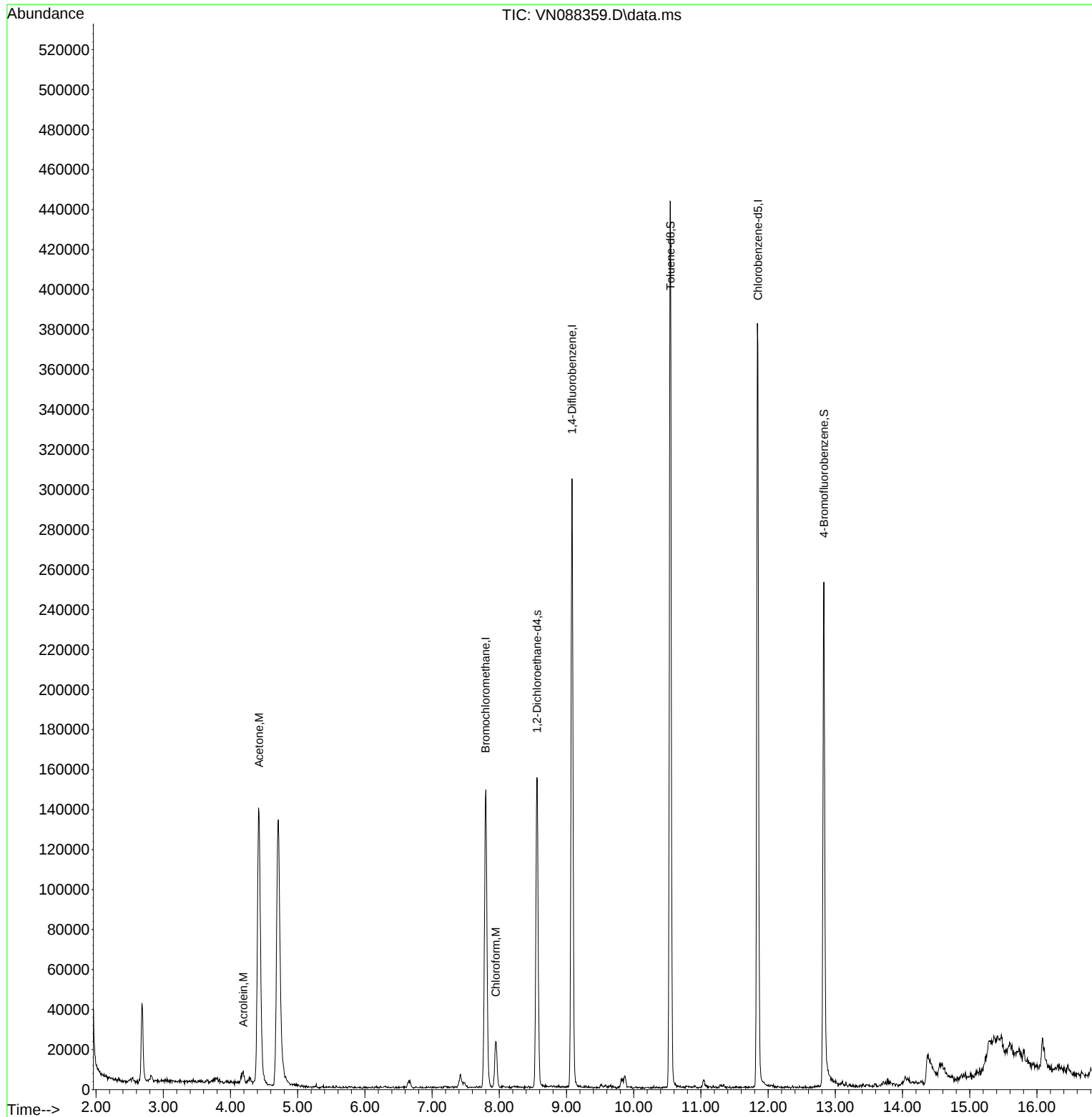
Internal Standards						
1) Bromochloromethane	7.794	128	50615	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.082	114	245873	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.847	117	214867	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.559	65	131352	28.410	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	94.700%
60) 4-Bromofluorobenzene	12.829	95	89677	24.689	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	82.300%
63) Toluene-d8	10.547	98	305474	30.029	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	100.100%
Target Compounds						
					Qvalue	
13) Acrolein	4.189	56	6737m	10.198	ug/l	
15) Acetone	4.424	58	82197	137.762	ug/l	99
25) Chloroform	7.947	83	22051	3.418	ug/l	97

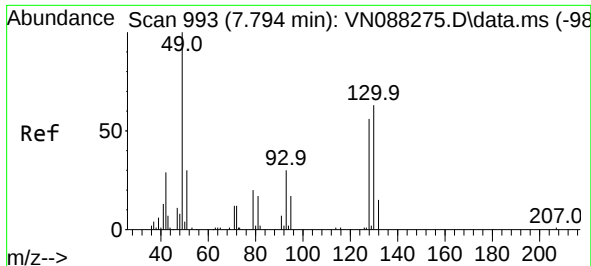
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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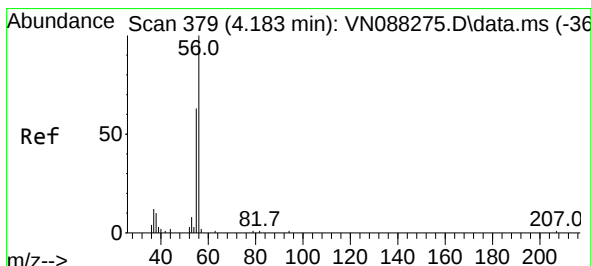
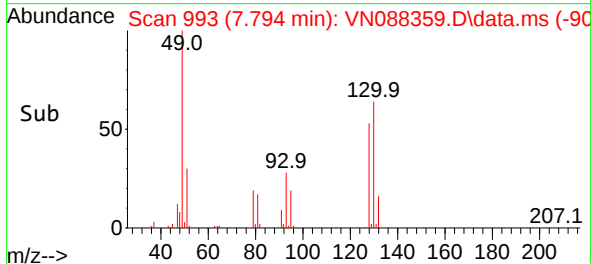
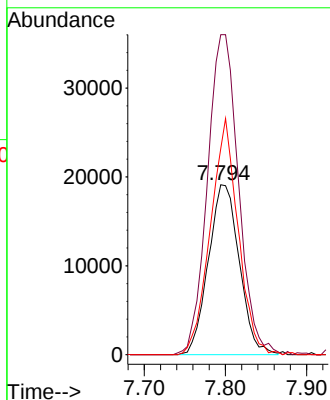
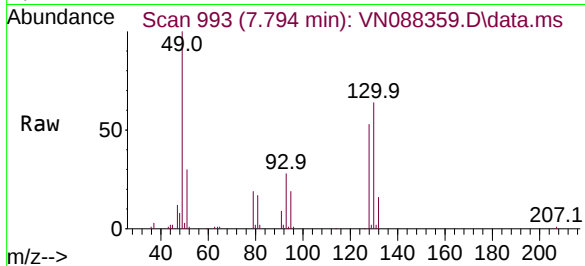




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.794 min Scan# 993
Delta R.T. 0.000 min
Lab File: VN088359.D
Acq: 25 Nov 2025 13:45

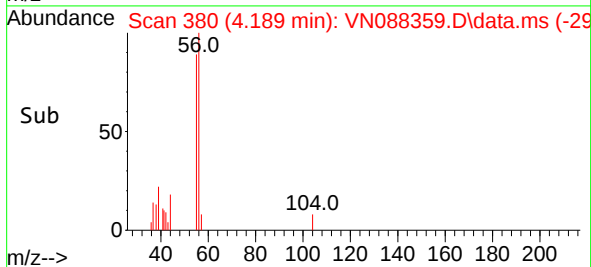
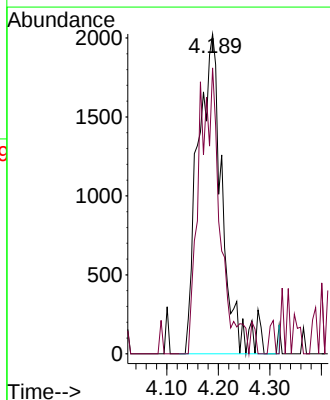
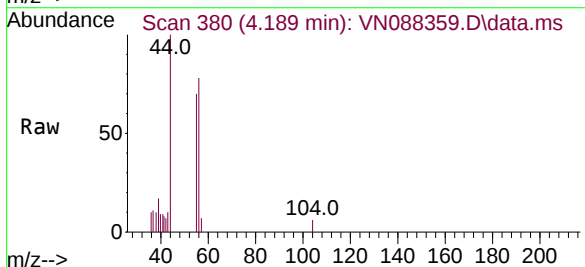
Instrument :
MSVOA_N
ClientSampleId :
EFF-WW

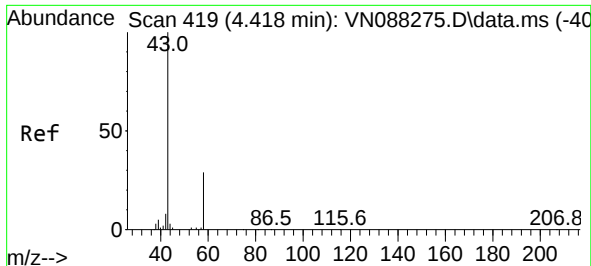
Tgt Ion:128 Resp: 50615
Ion Ratio Lower Upper
128 100
49 189.4 0.0 501.2
130 124.4 0.0 320.2



#13
Acrolein
Concen: 10.198 ug/l m
RT: 4.189 min Scan# 380
Delta R.T. 0.006 min
Lab File: VN088359.D
Acq: 25 Nov 2025 13:45

Tgt Ion: 56 Resp: 6737
Ion Ratio Lower Upper
56 100
55 0.0 57.9 86.9#

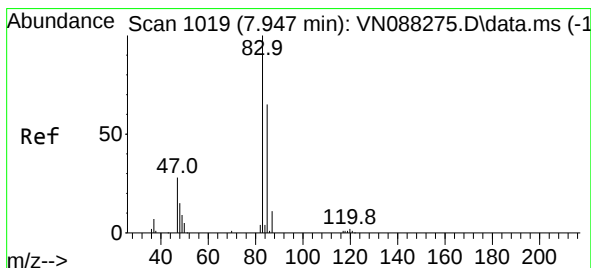
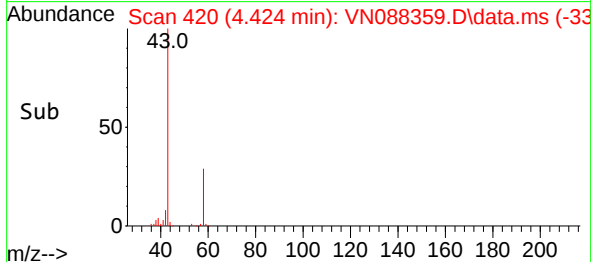
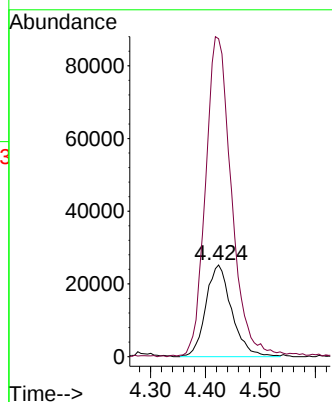
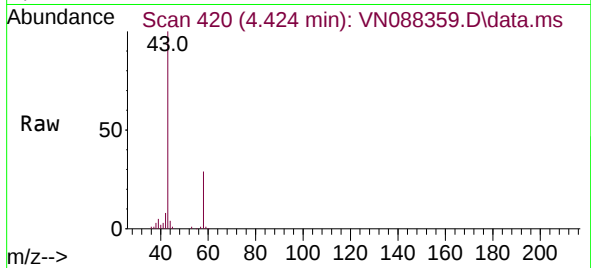




#15
Acetone
Concen: 137.762 ug/l
RT: 4.424 min Scan# 419
Delta R.T. 0.006 min
Lab File: VN088359.D
Acq: 25 Nov 2025 13:45

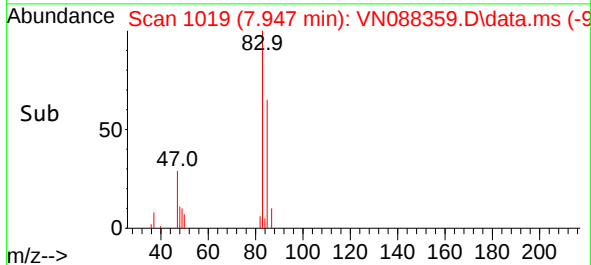
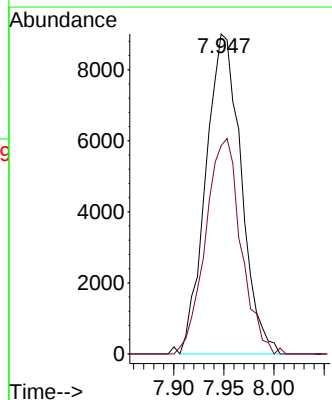
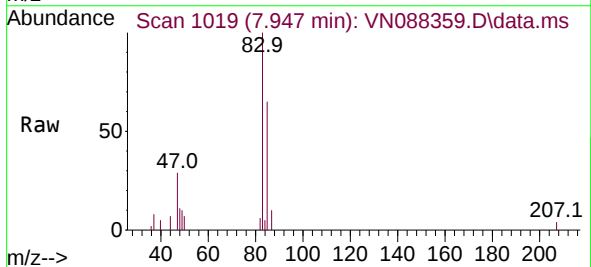
Instrument :
MSVOA_N
ClientSampleId :
EFF-WW

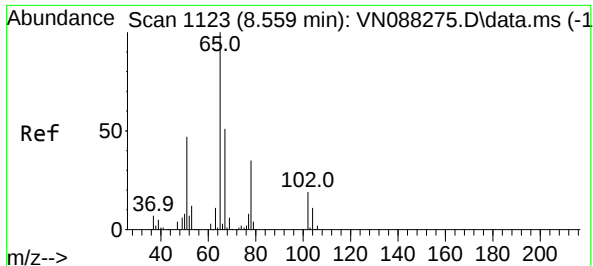
Tgt Ion: 58 Resp: 82197
Ion Ratio Lower Upper
58 100
43 345.6 273.9 410.9



#25
Chloroform
Concen: 3.418 ug/l
RT: 7.947 min Scan# 1019
Delta R.T. -0.000 min
Lab File: VN088359.D
Acq: 25 Nov 2025 13:45

Tgt Ion: 83 Resp: 22051
Ion Ratio Lower Upper
83 100
85 63.3 52.2 78.4





#27

1,2-Dichloroethane-d4

Concen: 28.410 ug/l

RT: 8.559 min Scan# 1123

Delta R.T. -0.000 min

Lab File: VN088359.D

Acq: 25 Nov 2025 13:45

Instrument :

MSVOA_N

ClientSampleId :

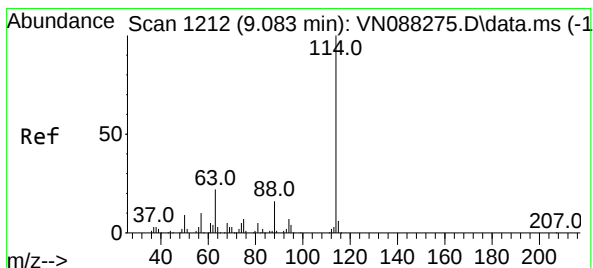
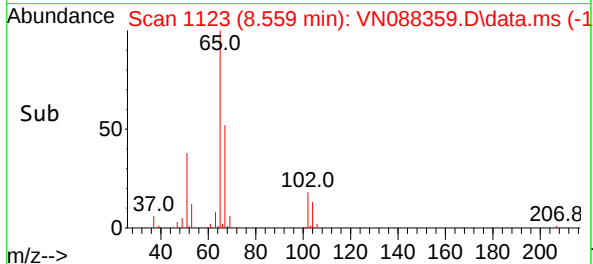
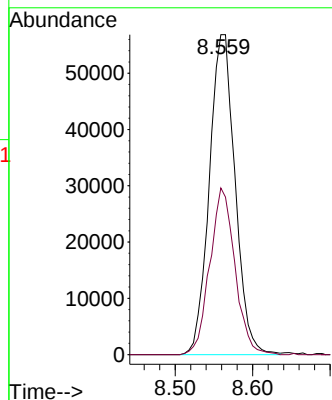
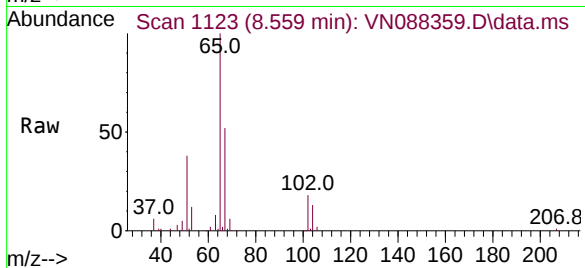
EFF-WW

Tgt Ion: 65 Resp: 131352

Ion Ratio Lower Upper

65 100

67 50.8 40.2 60.2



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.082 min Scan# 1212

Delta R.T. -0.000 min

Lab File: VN088359.D

Acq: 25 Nov 2025 13:45

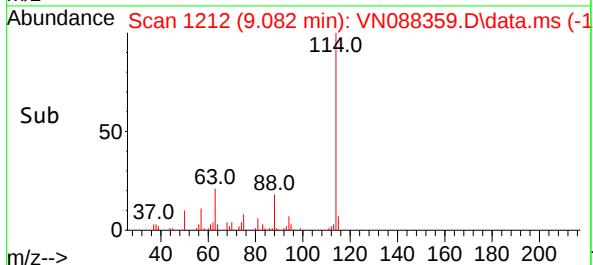
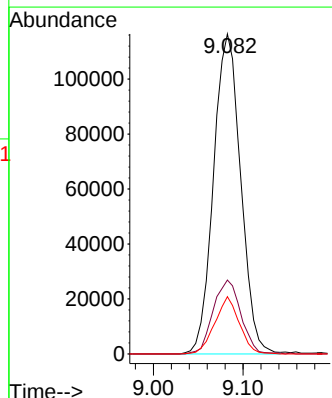
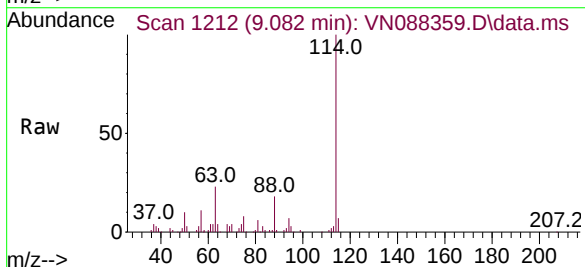
Tgt Ion: 114 Resp: 245873

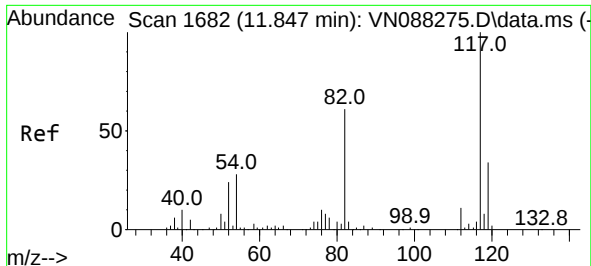
Ion Ratio Lower Upper

114 100

63 23.4 18.9 28.3

88 16.1 12.8 19.2

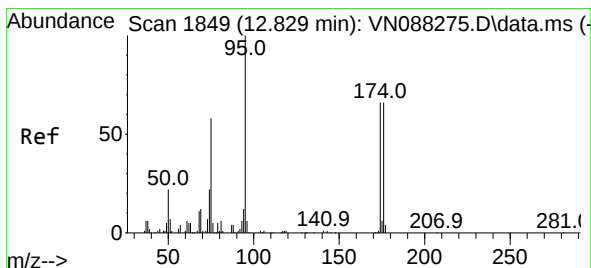
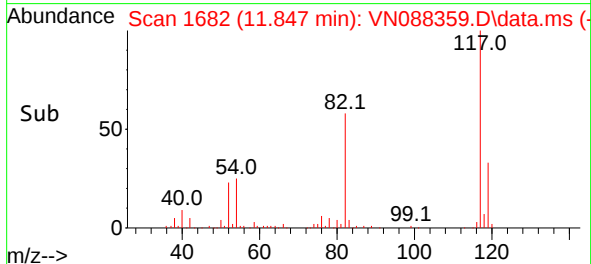
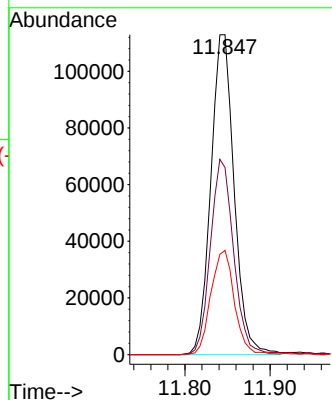
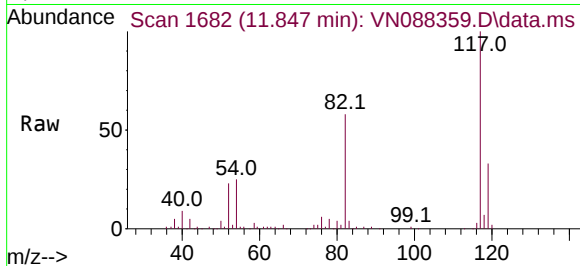




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.847 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN088359.D
Acq: 25 Nov 2025 13:45

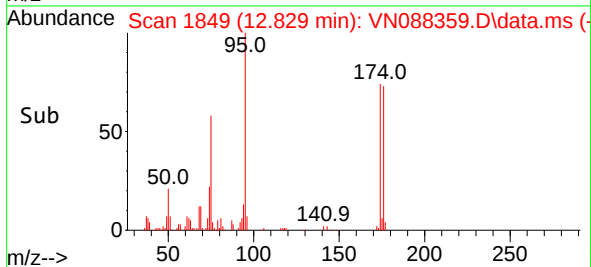
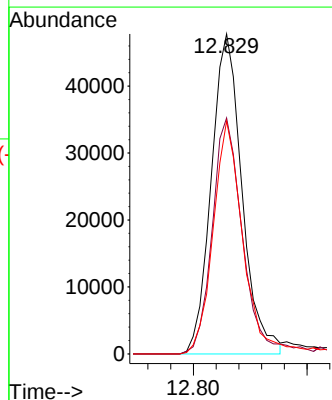
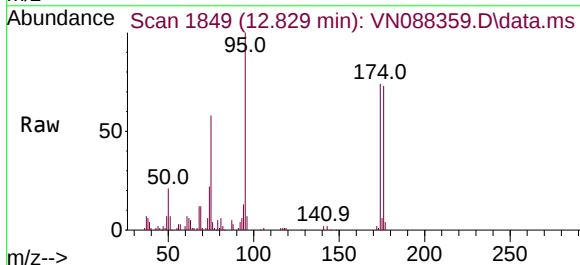
Instrument :
MSVOA_N
ClientSampleId :
EFF-WW

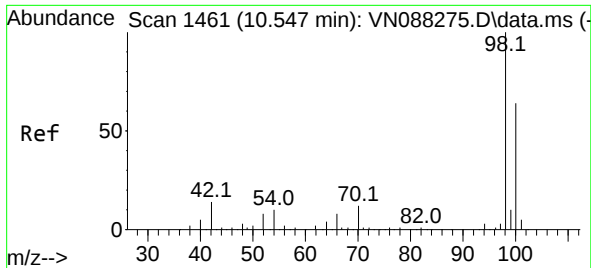
Tgt Ion:117 Resp: 214867
Ion Ratio Lower Upper
117 100
82 61.0 49.3 73.9
119 32.3 26.4 39.6



#60
4-Bromofluorobenzene
Concen: 24.689 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. -0.000 min
Lab File: VN088359.D
Acq: 25 Nov 2025 13:45

Tgt Ion: 95 Resp: 89677
Ion Ratio Lower Upper
95 100
174 73.2 54.5 81.7
176 70.5 53.8 80.6





#63
Toluene-d8
Concen: 30.029 ug/l
RT: 10.547 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN088359.D
Acq: 25 Nov 2025 13:45

Instrument :
MSVOA_N
ClientSampleId :
EFF-WW

Tgt Ion: 98 Resp: 305474
Ion Ratio Lower Upper
98 100
100 64.0 51.6 77.4

