

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111425\
 Data File : VN088289.D
 Acq On : 14 Nov 2025 12:15
 Operator : JC\MD
 Sample : Q3551-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MANHOLE

Quant Time: Nov 14 21:49:47 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)

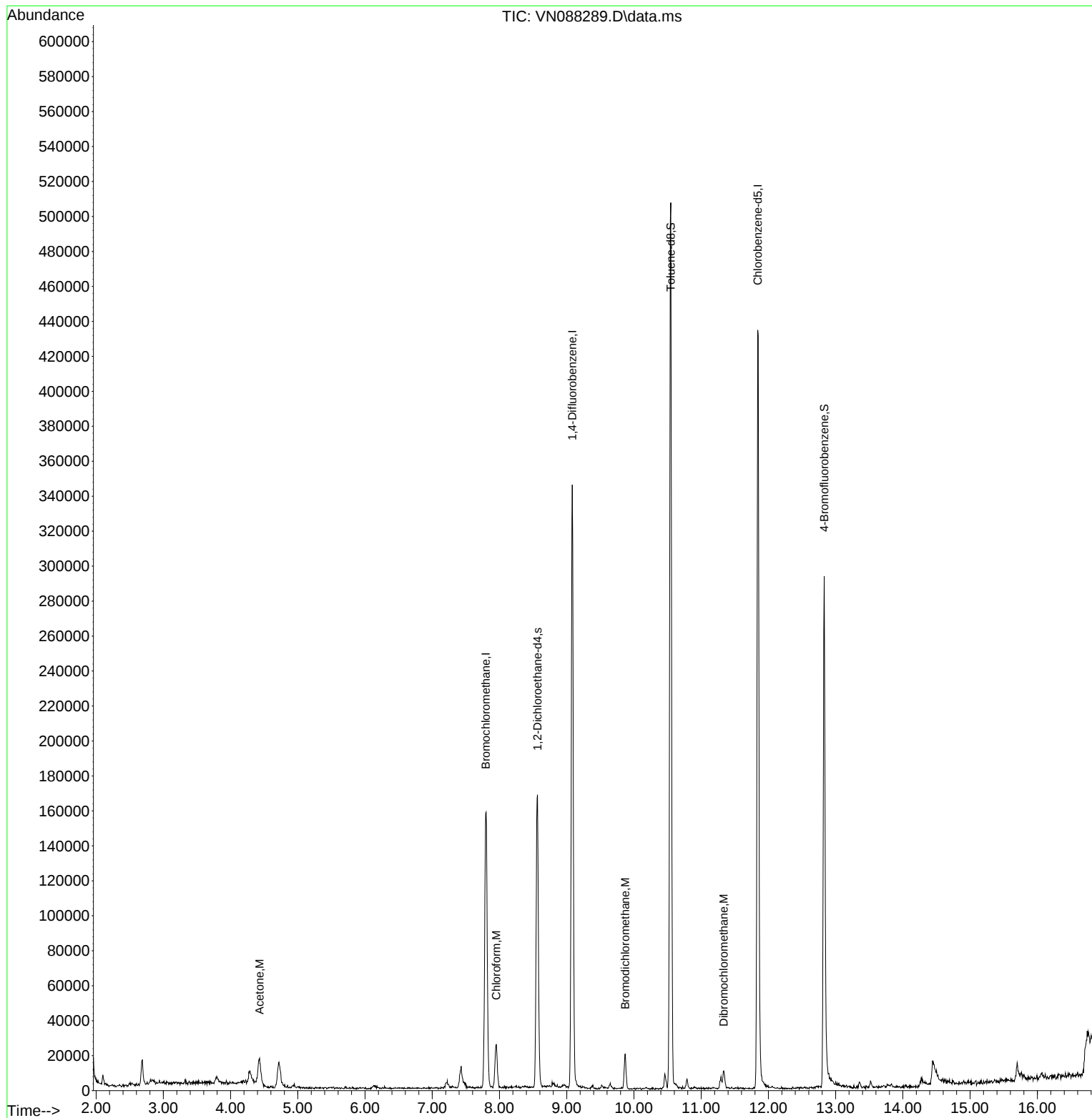
Internal Standards						
1) Bromochloromethane	7.794	128	53480	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.083	114	279713	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.841	117	245018	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.565	65	138545	28.361	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	94.533%		
60) 4-Bromofluorobenzene	12.829	95	107636	25.987	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	86.633%		
63) Toluene-d8	10.547	98	340690	29.370	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	97.900%		
Target Compounds						
15) Acetone	4.430	58	8772	13.914	ug/l	90
25) Chloroform	7.953	83	23375	3.429	ug/l	97
41) Bromodichloromethane	9.871	83	13403	2.575	ug/l #	99
53) Dibromochloromethane	11.335	129	4606	1.254	ug/l	92

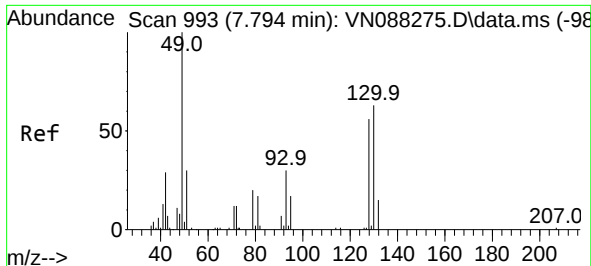
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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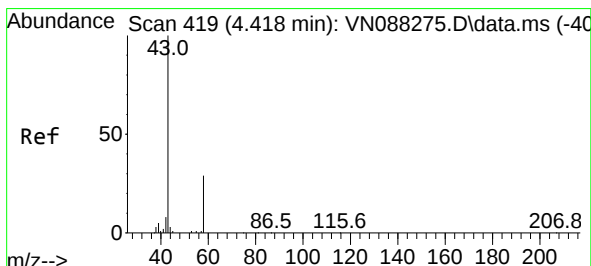
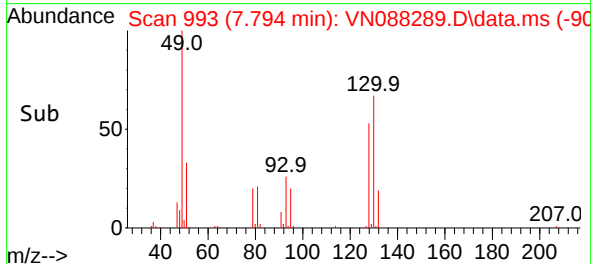
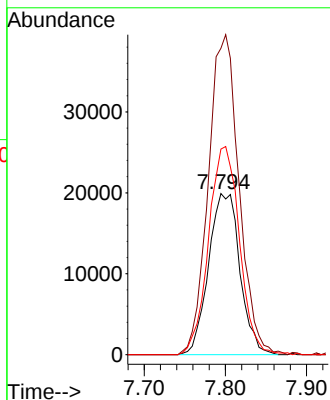
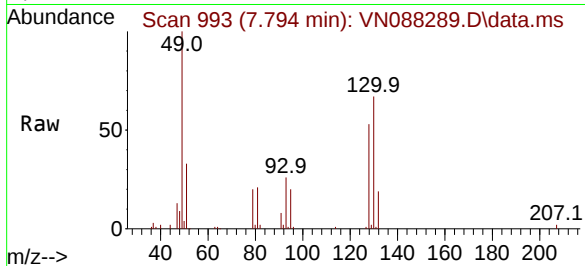




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.794 min Scan# 993
Delta R.T. 0.000 min
Lab File: VN088289.D
Acq: 14 Nov 2025 12:15

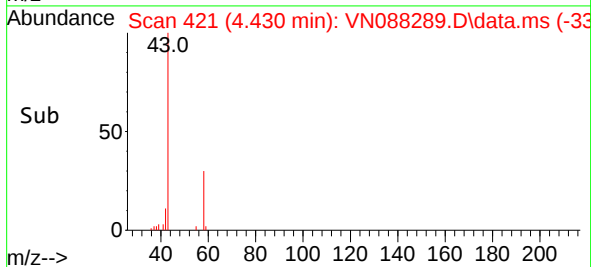
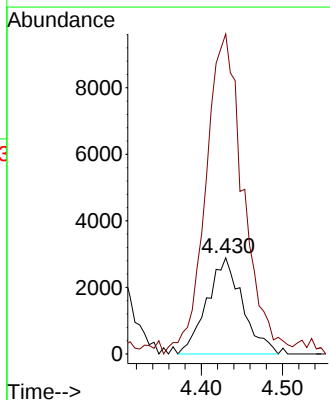
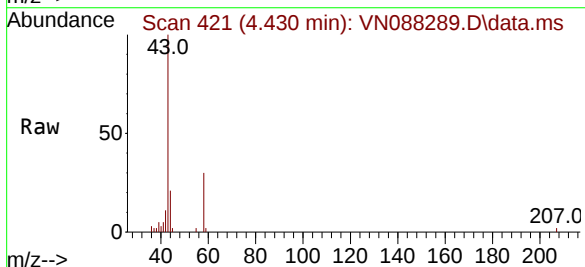
Instrument :
MSVOA_N
ClientSampleId :
MANHOLE

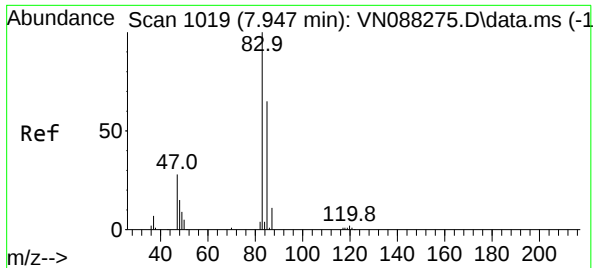
Tgt Ion	Ratio	Lower	Upper
128	100		
49	193.9	0.0	501.2
130	127.3	0.0	320.2



#15
Acetone
Concen: 13.914 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.012 min
Lab File: VN088289.D
Acq: 14 Nov 2025 12:15

Tgt Ion	Ratio	Lower	Upper
58	100		
43	321.2	273.9	410.9

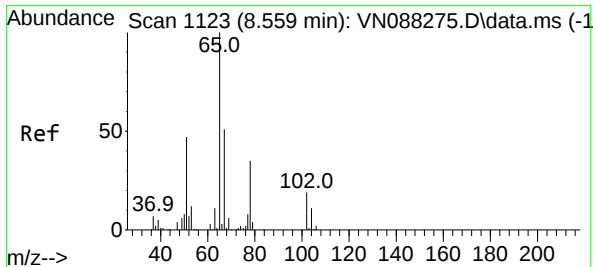
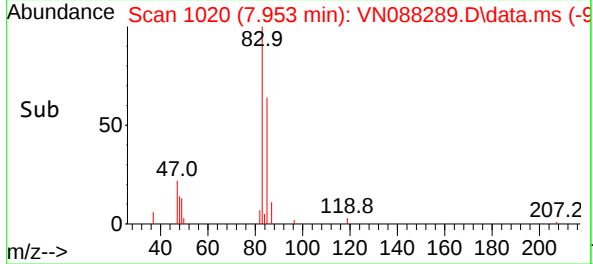
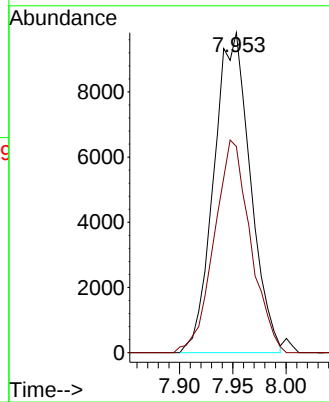
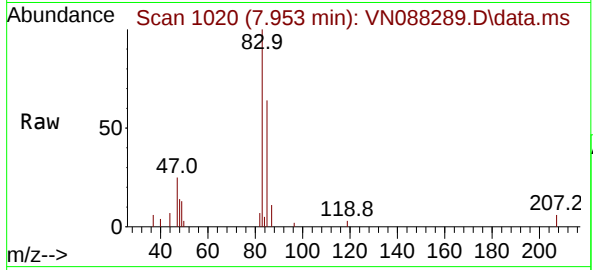




#25
Chloroform
Concen: 3.429 ug/l
RT: 7.953 min Scan# 1020
Delta R.T. 0.006 min
Lab File: VN088289.D
Acq: 14 Nov 2025 12:15

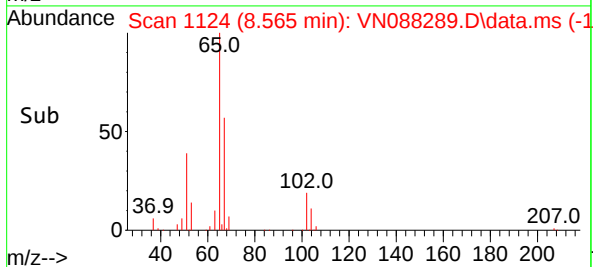
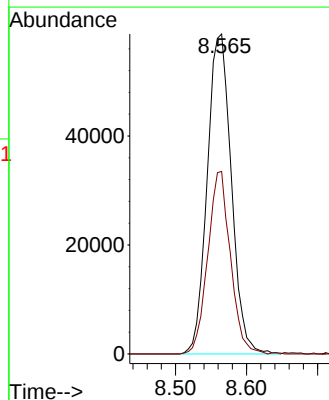
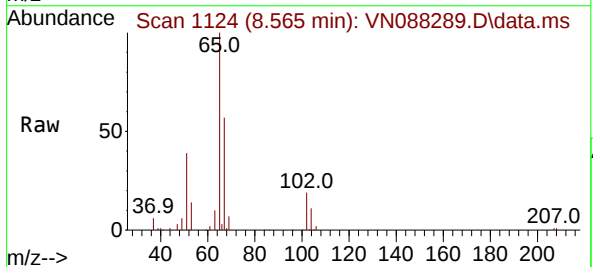
Instrument :
MSVOA_N
ClientSampleId :
MANHOLE

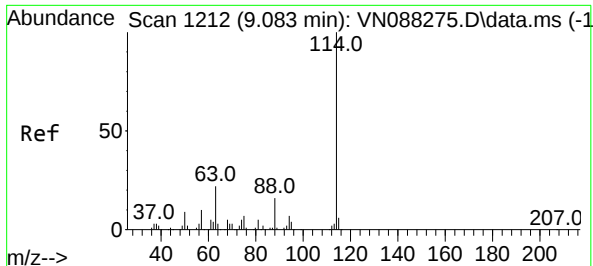
Tgt Ion: 83 Resp: 23375
Ion Ratio Lower Upper
83 100
85 62.7 52.2 78.4



#27
1,2-Dichloroethane-d4
Concen: 28.361 ug/l
RT: 8.565 min Scan# 1124
Delta R.T. 0.006 min
Lab File: VN088289.D
Acq: 14 Nov 2025 12:15

Tgt Ion: 65 Resp: 138545
Ion Ratio Lower Upper
65 100
67 53.6 40.2 60.2





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.083 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN088289.D

Acq: 14 Nov 2025 12:15

Instrument :

MSVOA_N

ClientSampleId :

MANHOLE

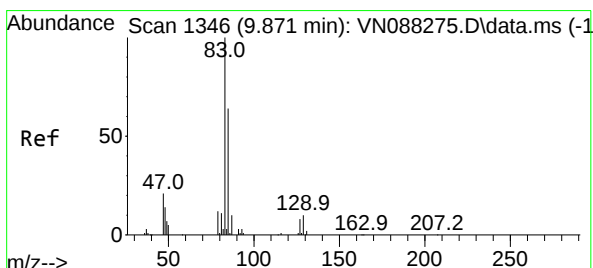
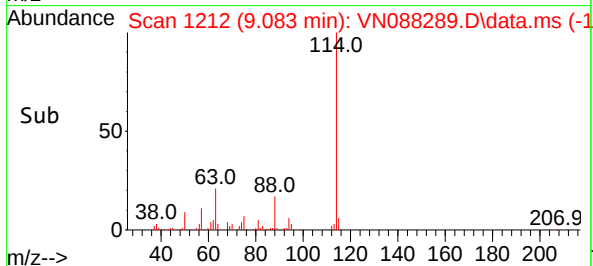
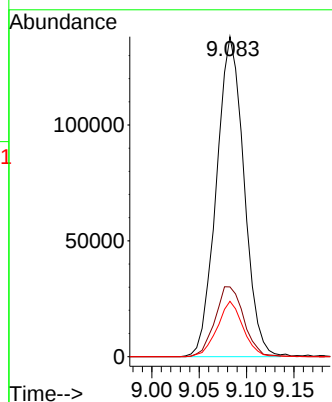
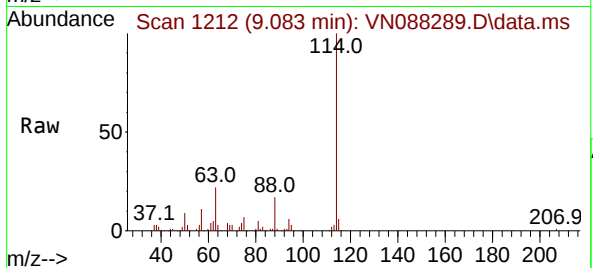
Tgt Ion:114 Resp: 279713

Ion Ratio Lower Upper

114 100

63 22.9 18.9 28.3

88 16.3 12.8 19.2



#41

Bromodichloromethane

Concen: 2.575 ug/l

RT: 9.871 min Scan# 1346

Delta R.T. 0.000 min

Lab File: VN088289.D

Acq: 14 Nov 2025 12:15

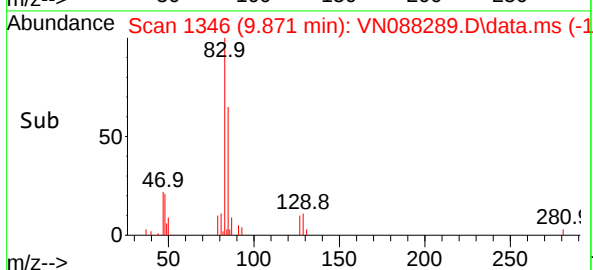
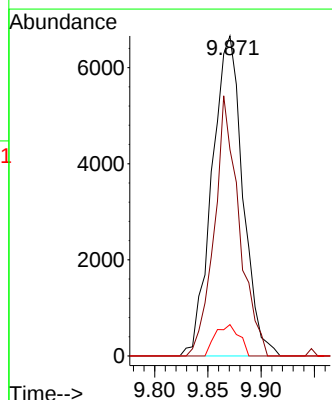
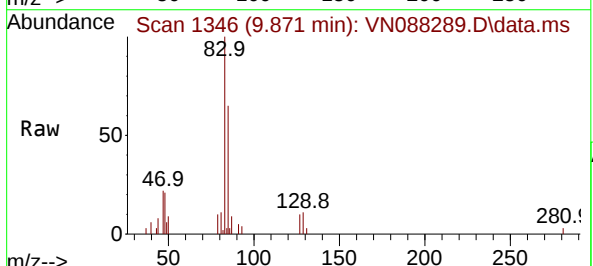
Tgt Ion: 83 Resp: 13403

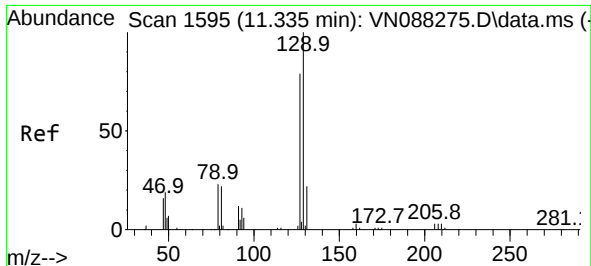
Ion Ratio Lower Upper

83 100

85 64.5 51.4 77.2

127 9.8 6.4 9.6#

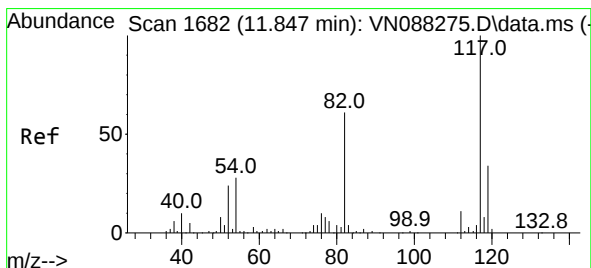
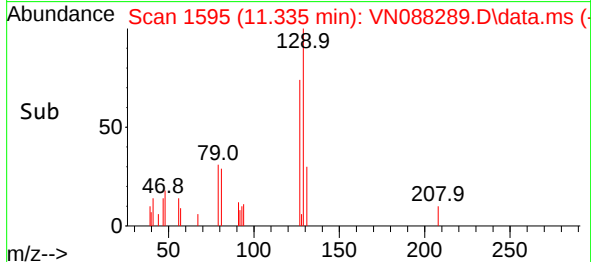
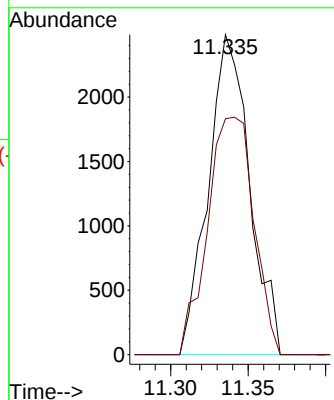
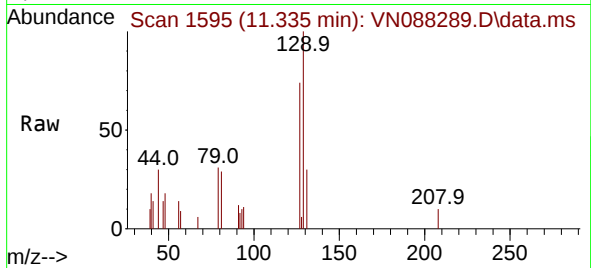




#53
Dibromochloromethane
Concen: 1.254 ug/l
RT: 11.335 min Scan# 1595
Delta R.T. 0.000 min
Lab File: VN088289.D
Acq: 14 Nov 2025 12:15

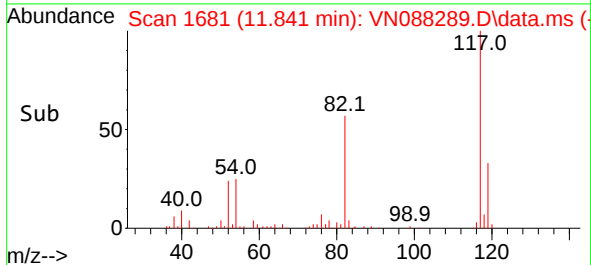
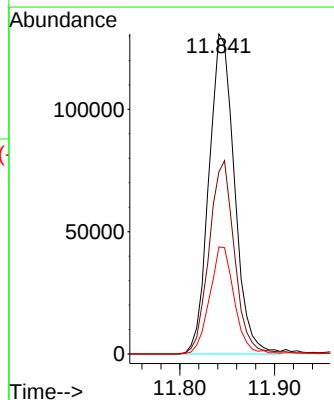
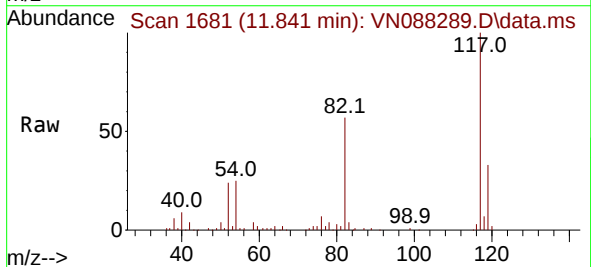
Instrument :
MSVOA_N
ClientSampleId :
MANHOLE

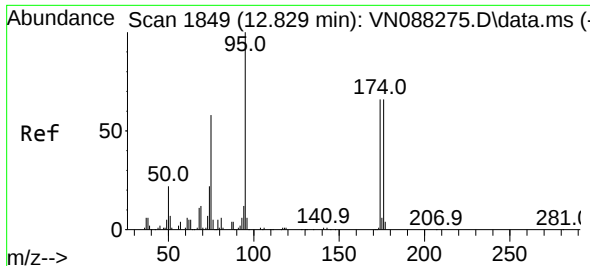
Tgt Ion:129 Resp: 4606
Ion Ratio Lower Upper
129 100
127 83.1 38.2 114.6



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.841 min Scan# 1681
Delta R.T. -0.006 min
Lab File: VN088289.D
Acq: 14 Nov 2025 12:15

Tgt Ion:117 Resp: 245018
Ion Ratio Lower Upper
117 100
82 59.9 49.3 73.9
119 32.3 26.4 39.6

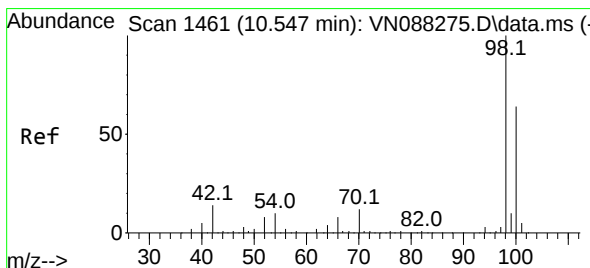
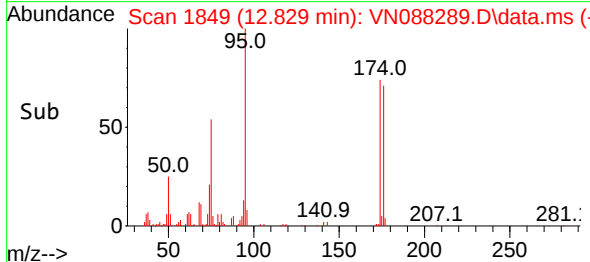
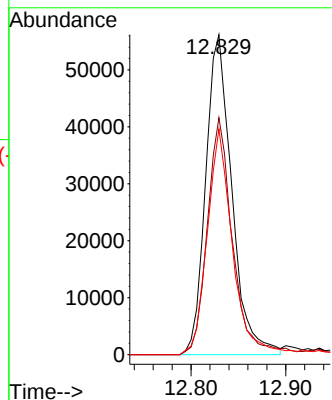
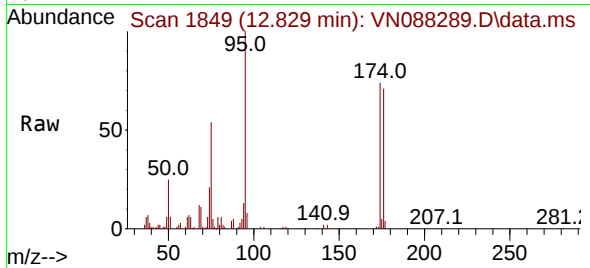




#60
4-Bromofluorobenzene
Concen: 25.987 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VN088289.D
Acq: 14 Nov 2025 12:15

Instrument :
MSVOA_N
ClientSampleId :
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Tgt Ion: 95 Resp: 107636
Ion Ratio Lower Upper
95 100
174 70.8 54.5 81.7
176 68.0 53.8 80.6



#63
Toluene-d8
Concen: 29.370 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. 0.000 min
Lab File: VN088289.D
Acq: 14 Nov 2025 12:15

Tgt Ion: 98 Resp: 340690
Ion Ratio Lower Upper
98 100
100 65.8 51.6 77.4

