

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082025\
 Data File : VN087608.D
 Acq On : 20 Aug 2025 11:36
 Operator : JC\MD
 Sample : Q2902-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 OUTFALL-DSN-001

Quant Time: Aug 21 02:41:42 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080525W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Aug 06 02:01:21 2025
 Response via : Initial Calibration

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

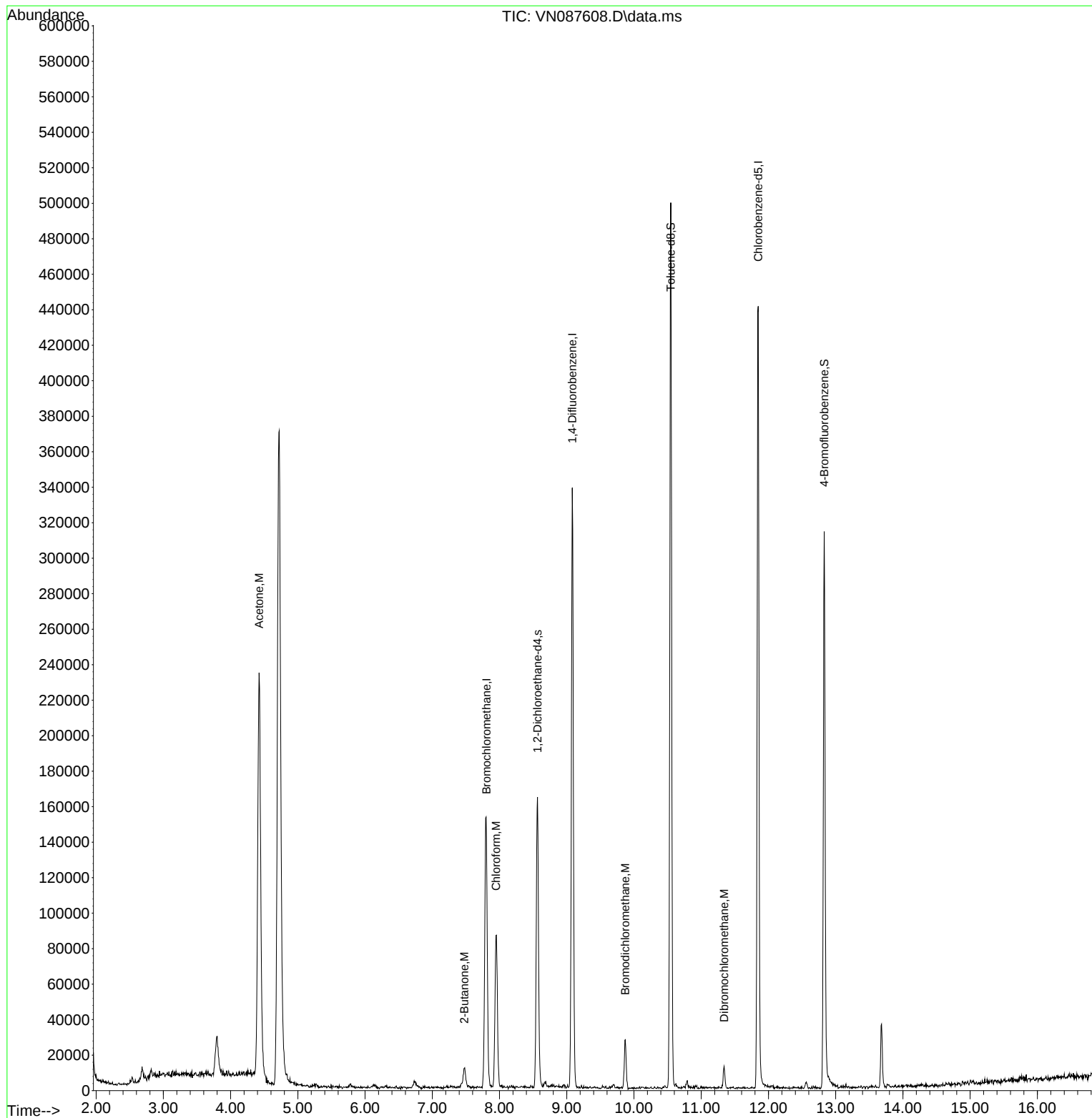
Internal Standards						
1) Bromochloromethane	7.806	128	49956	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.082	114	273753	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.847	117	243163	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.565	65	137362	29.811	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	99.367%
60) 4-Bromofluorobenzene	12.829	95	112303	26.837	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	89.467%
63) Toluene-d8	10.547	98	329901	29.486	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	98.300%
Target Compounds						
					Qvalue	
15) Acetone	4.424	58	131126	208.153	ug/l	95
25) Chloroform	7.947	83	84018	12.257	ug/l	94
30) 2-Butanone	7.477	43	18067	5.490	ug/l #	90
41) Bromodichloromethane	9.871	83	17694	3.141	ug/l #	86
53) Dibromochloromethane	11.341	129	6193	1.565	ug/l	93

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

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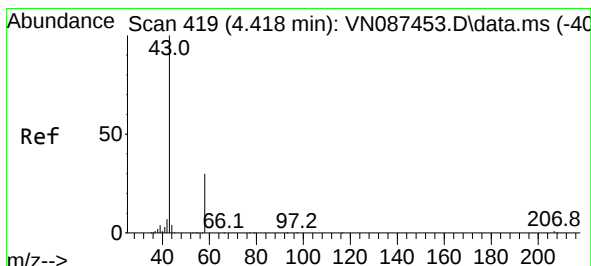
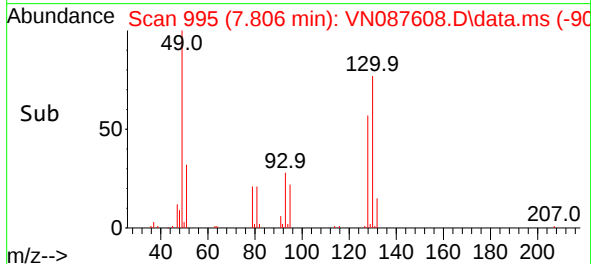
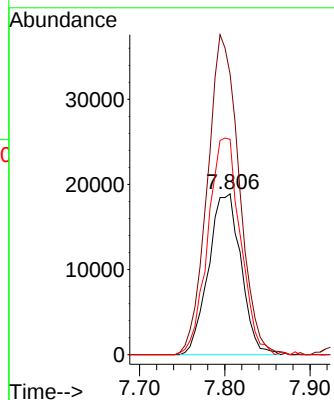
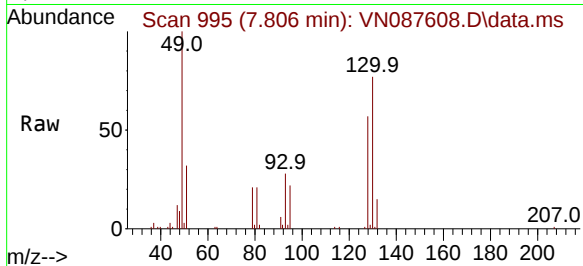




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.806 min Scan# 994
Delta R.T. 0.006 min
Lab File: VN087608.D
Acq: 20 Aug 2025 11:36

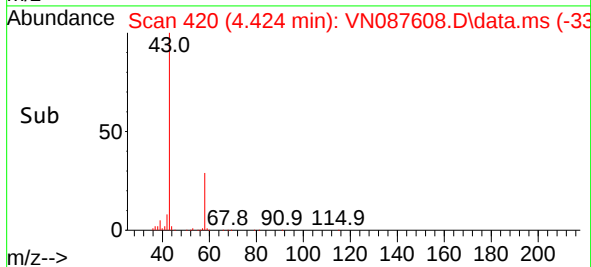
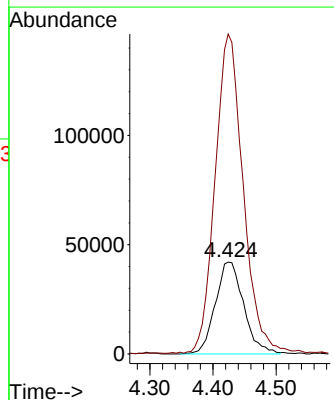
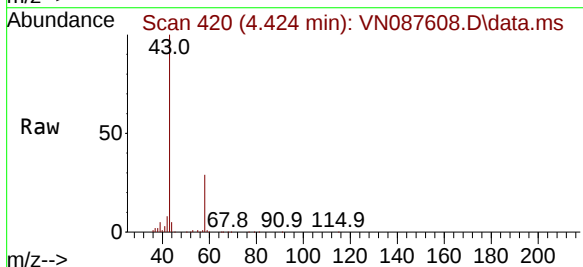
Instrument :
MSVOA_N
ClientSampleId :
OUTFALL-DSN-001

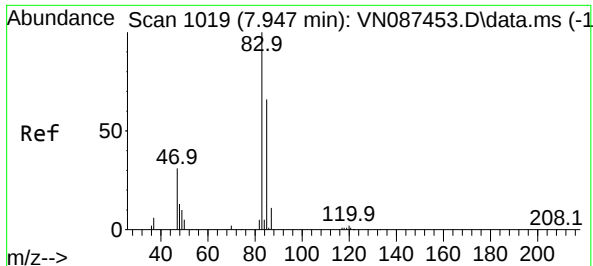
Tgt Ion:128 Resp: 49956
Ion Ratio Lower Upper
128 100
49 194.6 0.0 494.8
130 135.0 0.0 321.5



#15
Acetone
Concen: 208.153 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.006 min
Lab File: VN087608.D
Acq: 20 Aug 2025 11:36

Tgt Ion: 58 Resp: 131126
Ion Ratio Lower Upper
58 100
43 346.7 268.9 403.3

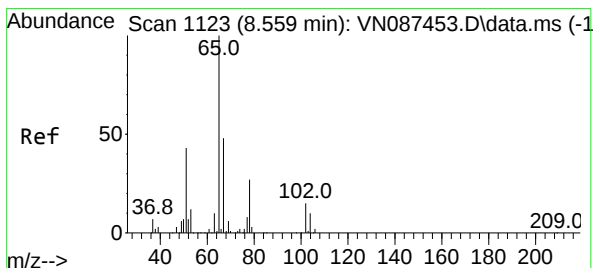
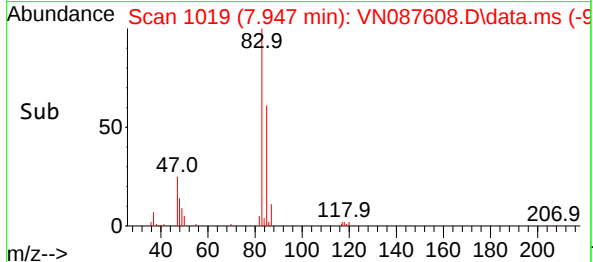
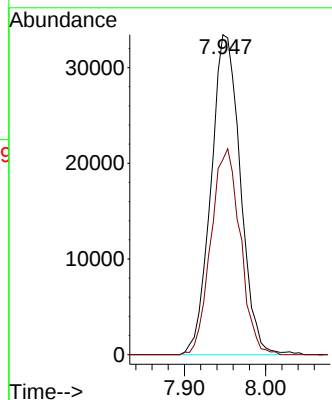
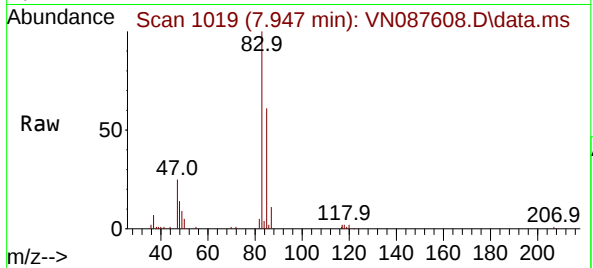




#25
Chloroform
Concen: 12.257 ug/l
RT: 7.947 min Scan# 1019
Delta R.T. 0.000 min
Lab File: VN087608.D
Acq: 20 Aug 2025 11:36

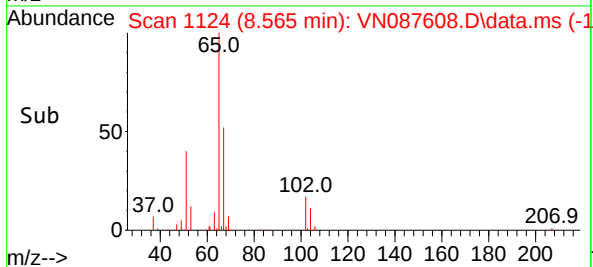
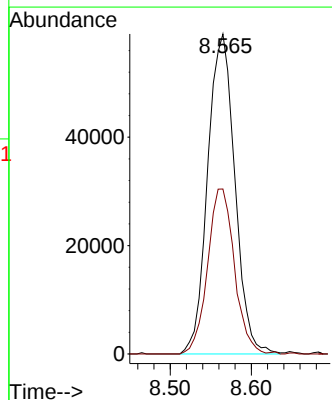
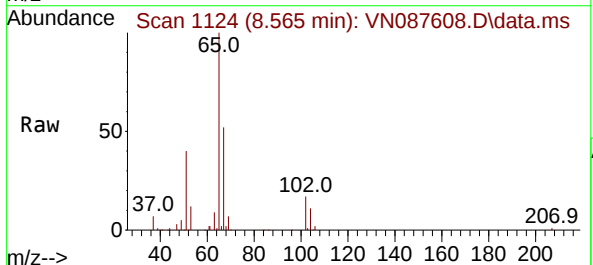
Instrument :
MSVOA_N
ClientSampleId :
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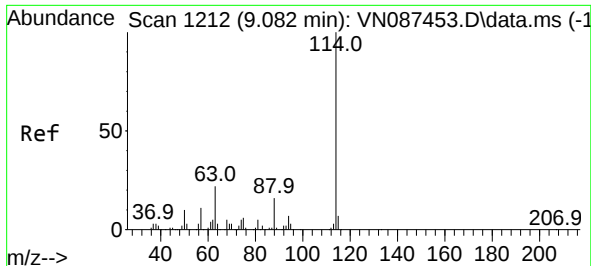
Tgt Ion: 83 Resp: 84018
Ion Ratio Lower Upper
83 100
85 61.0 52.6 78.8



#27
1,2-Dichloroethane-d4
Concen: 29.811 ug/l
RT: 8.565 min Scan# 1124
Delta R.T. 0.006 min
Lab File: VN087608.D
Acq: 20 Aug 2025 11:36

Tgt Ion: 65 Resp: 137362
Ion Ratio Lower Upper
65 100
67 50.8 40.8 61.2

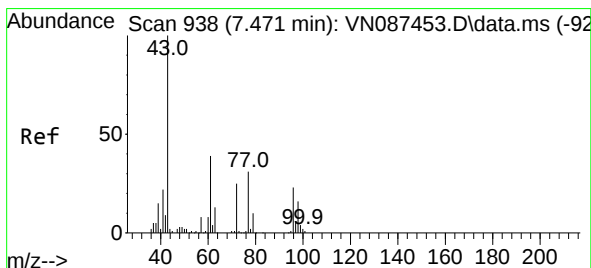
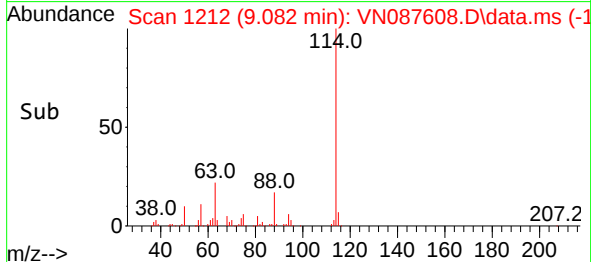
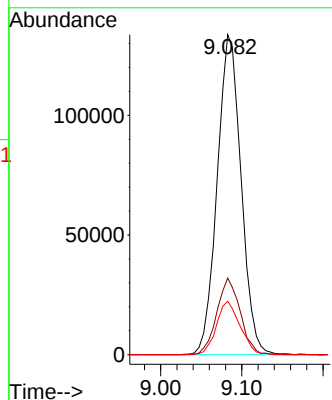
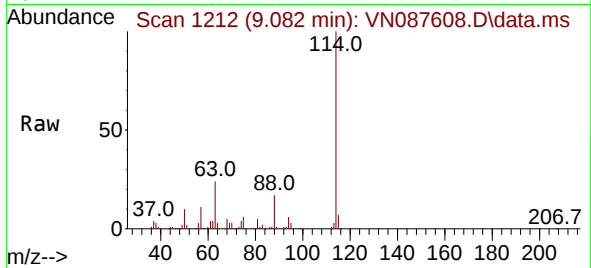




#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 9.082 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VN087608.D
 Acq: 20 Aug 2025 11:36

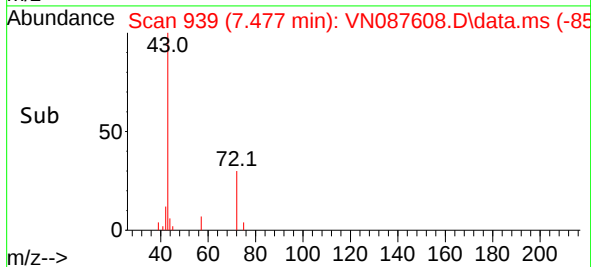
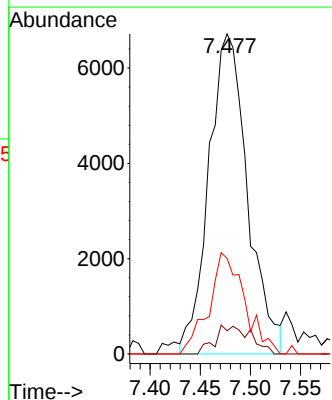
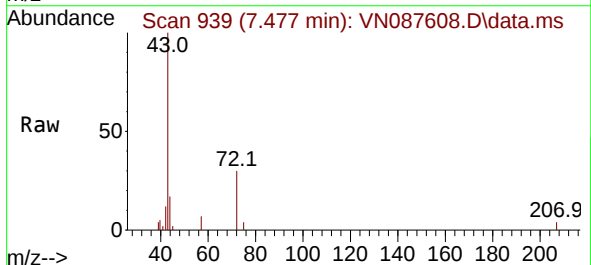
Instrument :
 MSVOA_N
 ClientSampleId :
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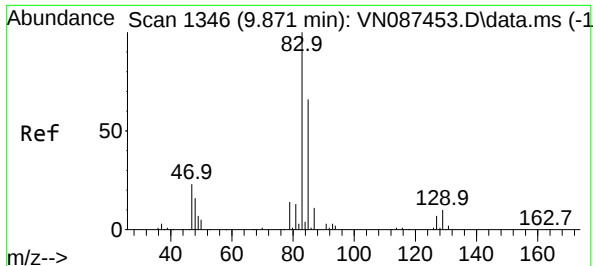
Tgt Ion:114 Resp: 273753
 Ion Ratio Lower Upper
 114 100
 63 23.5 18.9 28.3
 88 16.5 13.1 19.7



#30
 2-Butanone
 Concen: 5.490 ug/l
 RT: 7.477 min Scan# 939
 Delta R.T. 0.006 min
 Lab File: VN087608.D
 Acq: 20 Aug 2025 11:36

Tgt Ion: 43 Resp: 18067
 Ion Ratio Lower Upper
 43 100
 57 1.9 6.6 9.8#
 72 21.2 19.7 29.5

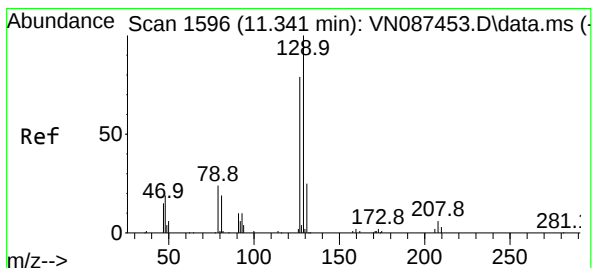
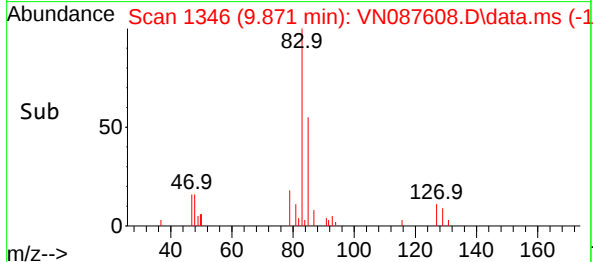
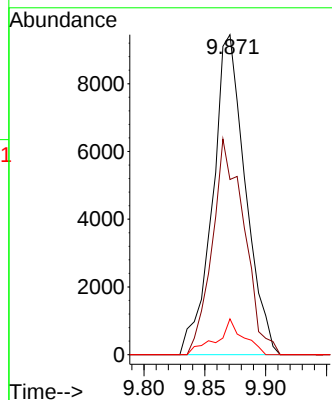
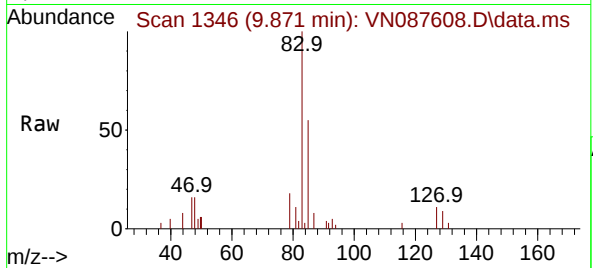




#41
Bromodichloromethane
Concen: 3.141 ug/l
RT: 9.871 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN087608.D
Acq: 20 Aug 2025 11:36

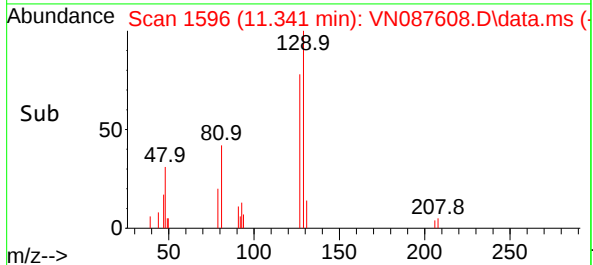
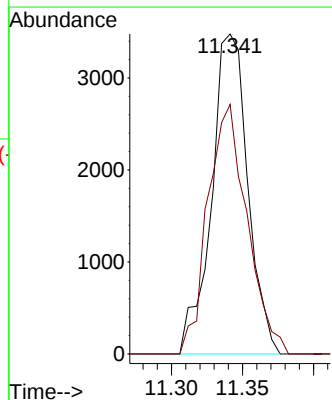
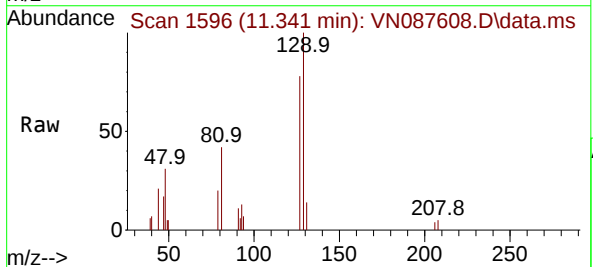
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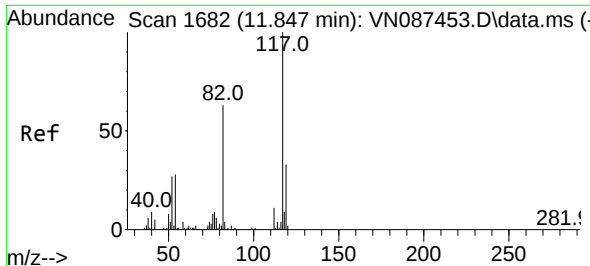
Tgt Ion: 83 Resp: 17694
Ion Ratio Lower Upper
83 100
85 54.7 52.9 79.3
127 11.2 5.8 8.6#



#53
Dibromochloromethane
Concen: 1.565 ug/l
RT: 11.341 min Scan# 1596
Delta R.T. 0.000 min
Lab File: VN087608.D
Acq: 20 Aug 2025 11:36

Tgt Ion: 129 Resp: 6193
Ion Ratio Lower Upper
129 100
127 84.2 39.1 117.3

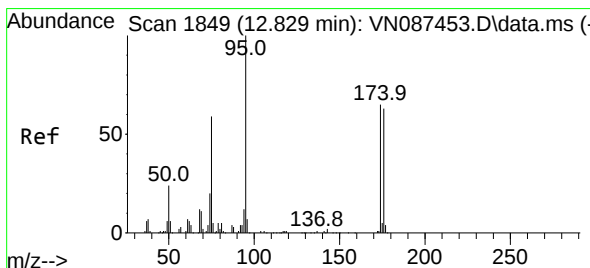
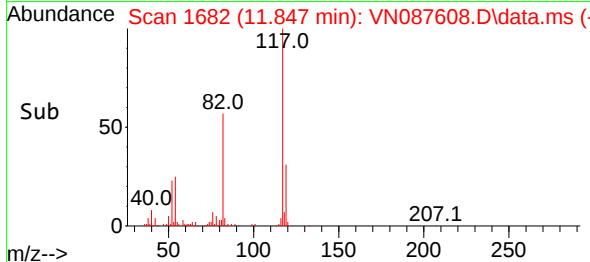
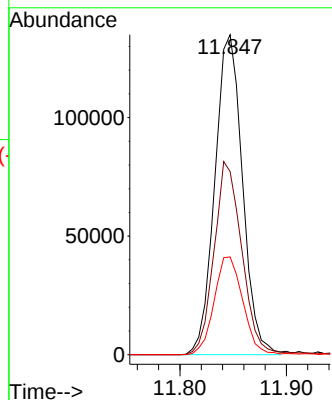
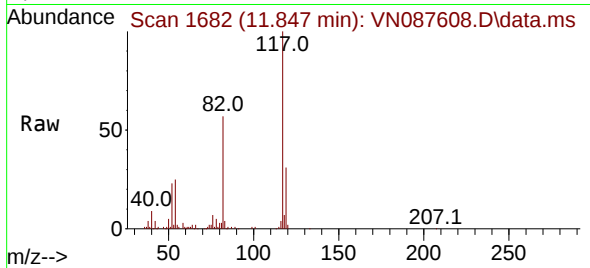




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.847 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN087608.D
Acq: 20 Aug 2025 11:36

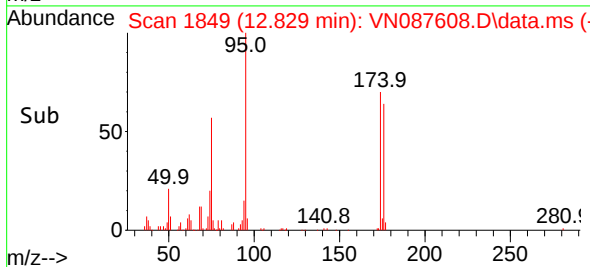
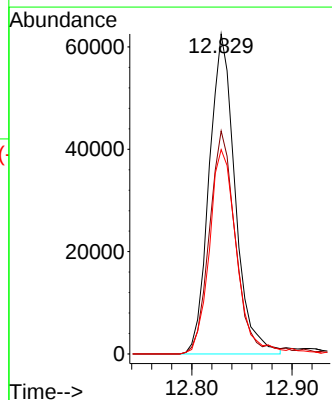
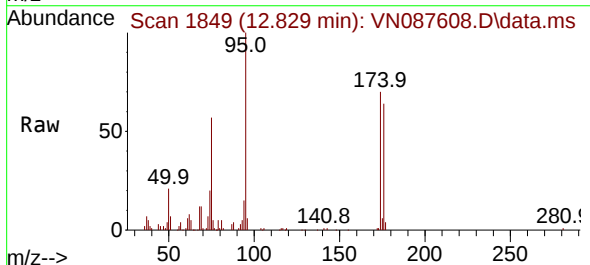
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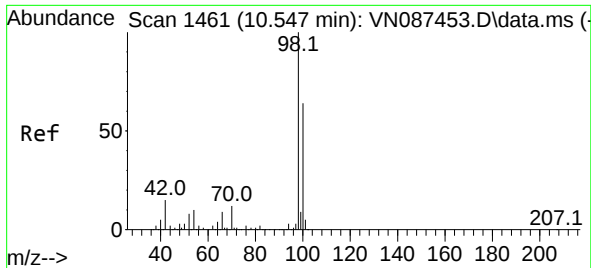
Tgt Ion:117 Resp: 243163
Ion Ratio Lower Upper
117 100
82 60.7 49.2 73.8
119 31.6 25.7 38.5



#60
4-Bromofluorobenzene
Concen: 26.837 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VN087608.D
Acq: 20 Aug 2025 11:36

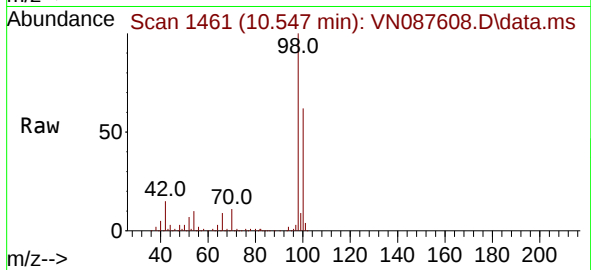
Tgt Ion: 95 Resp: 112303
Ion Ratio Lower Upper
95 100
174 70.0 52.3 78.5
176 66.5 49.8 74.8





#63
Toluene-d8
Concen: 29.486 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. 0.000 min
Lab File: VN087608.D
Acq: 20 Aug 2025 11:36

Instrument :
MSVOA_N
ClientSampleId :
OUTFALL-DSN-001



Tgt Ion: 98 Resp: 329901
Ion Ratio Lower Upper
98 100
100 64.0 50.5 75.7

