

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111725\
 Data File : VN088294.D
 Acq On : 17 Nov 2025 11:21
 Operator : JC\MD
 Sample : VN1117WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1117WBL01

Quant Time: Nov 18 02:56:27 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 03 01:16:06 2025
 Response via : Initial Calibration

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

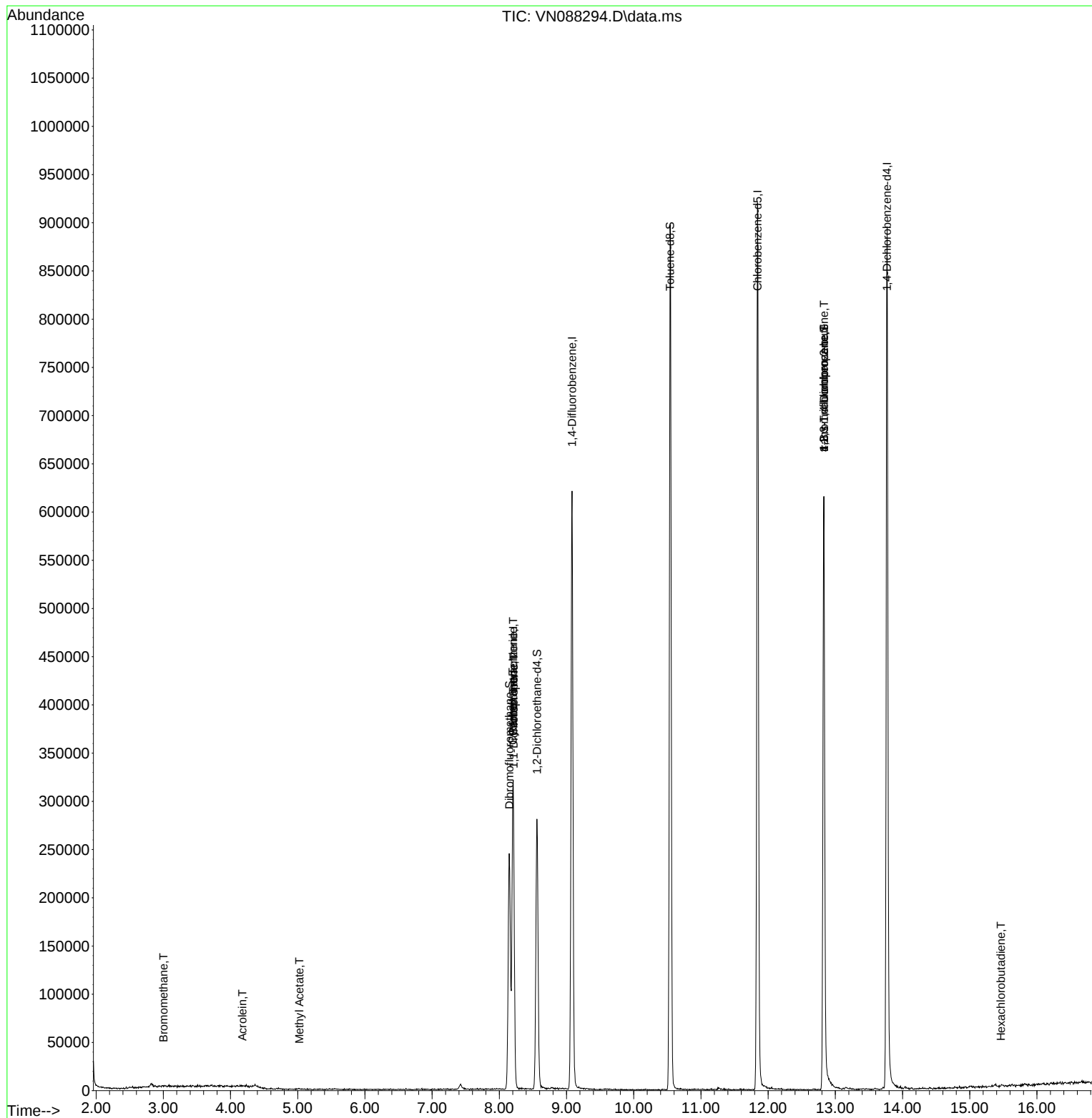
Internal Standards						
1) Pentafluorobenzene	8.206	168	219462	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	508968	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	502457	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.771	152	238738	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	231765	61.072	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 122.140%		
35) Dibromofluoromethane	8.147	113	171933	50.283	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 100.560%		
50) Toluene-d8	10.541	98	602307	45.716	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 91.440%		
62) 4-Bromofluorobenzene	12.829	95	225600	48.486	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	= 96.980%		
Target Compounds						
					Qvalue	
5) Bromomethane	3.001	94	709	0.374	ug/l #	3
13) Acrolein	4.177	56	188	0.256	ug/l #	1
18) Methyl Acetate	5.024	43	1744	0.447	ug/l #	54
31) Cyclohexane	8.200	56	7085	1.334	ug/l #	36
36) 1,1-Dichloropropene	8.212	75	21830	4.373	ug/l #	51
38) Carbon Tetrachloride	8.206	117	25773	4.998	ug/l #	16
76) 1,2,3-Trichloropropane	12.829	75	130770	23.958	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.829	75	130770	66.832	ug/l #	1
94) Hexachlorobutadiene	15.464	225	437	0.254	ug/l #	36

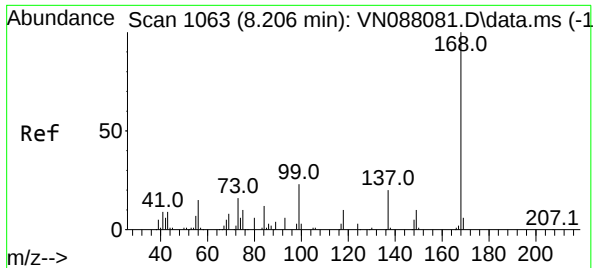
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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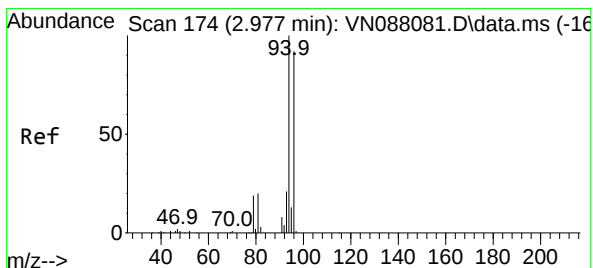
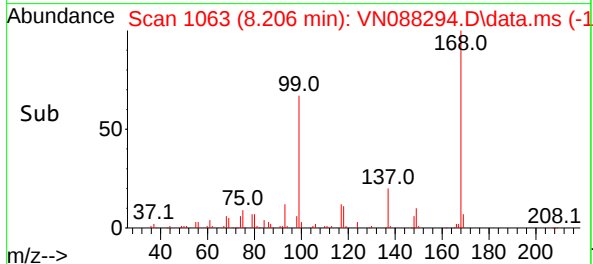
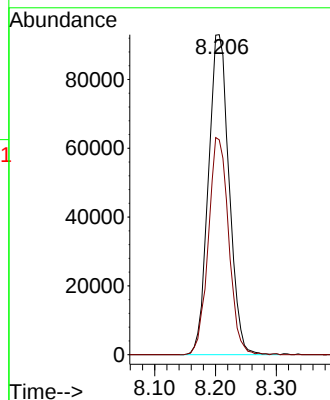
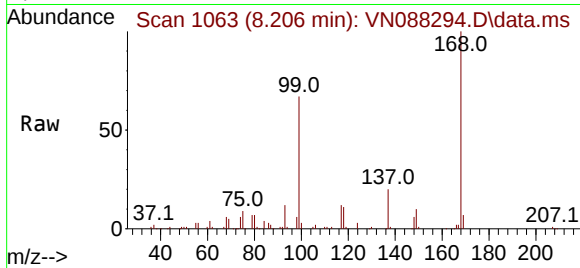




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN088294.D
Acq: 17 Nov 2025 11:21

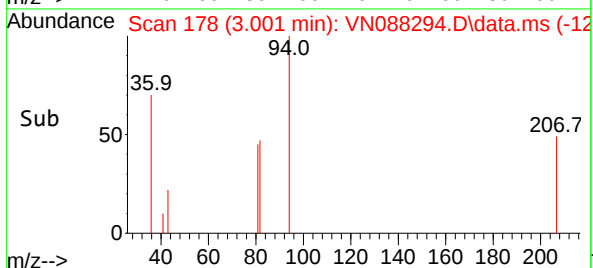
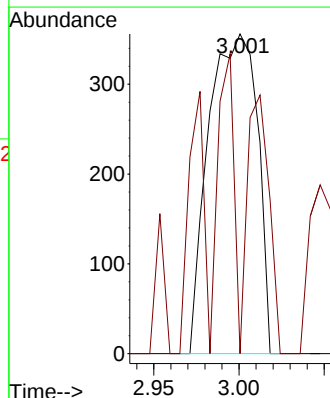
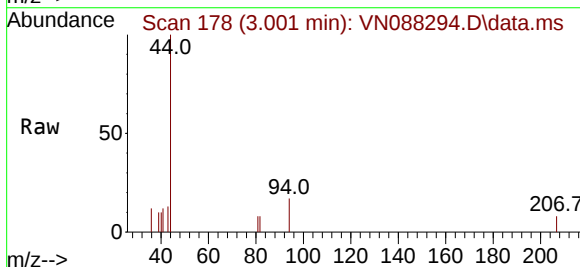
Instrument :
MSVOA_N
ClientSampleId :
VN1117WBL01

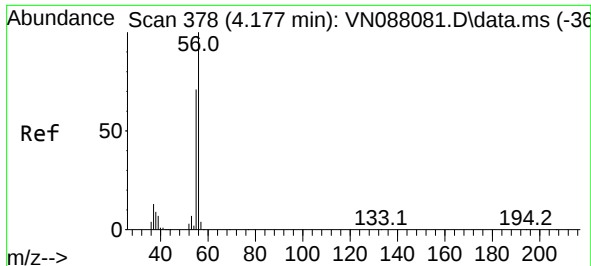
Tgt Ion:168 Resp: 219462
Ion Ratio Lower Upper
168 100
99 67.2 57.2 85.8



#5
Bromomethane
Concen: 0.374 ug/l
RT: 3.001 min Scan# 178
Delta R.T. 0.029 min
Lab File: VN088294.D
Acq: 17 Nov 2025 11:21

Tgt Ion: 94 Resp: 709
Ion Ratio Lower Upper
94 100
96 0.0 75.4 113.2#

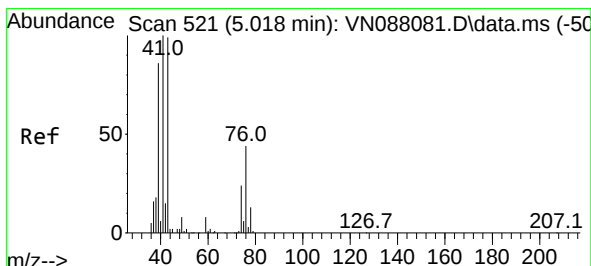
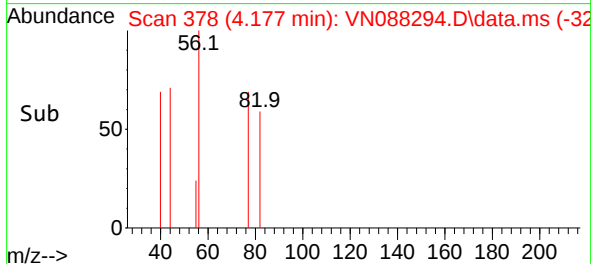
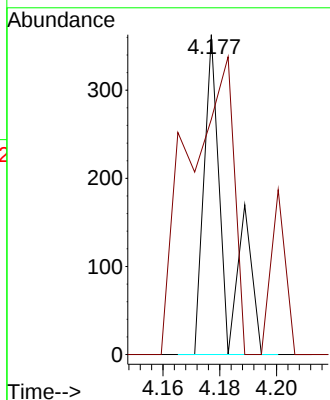
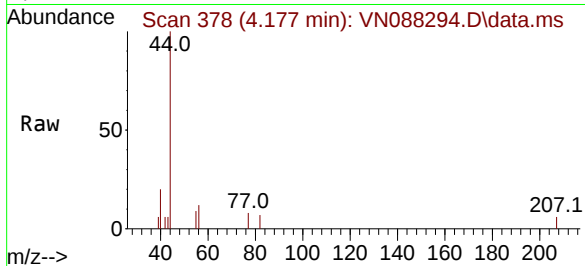




#13
Acrolein
Concen: 0.256 ug/l
RT: 4.177 min Scan# 31
Delta R.T. 0.006 min
Lab File: VN088294.D
Acq: 17 Nov 2025 11:21

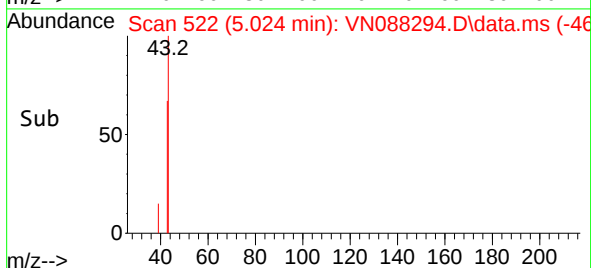
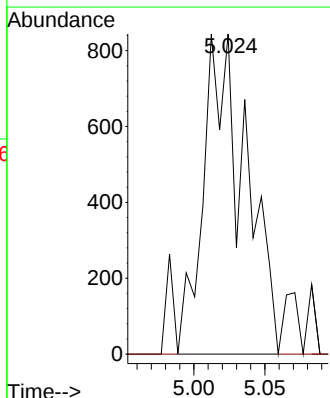
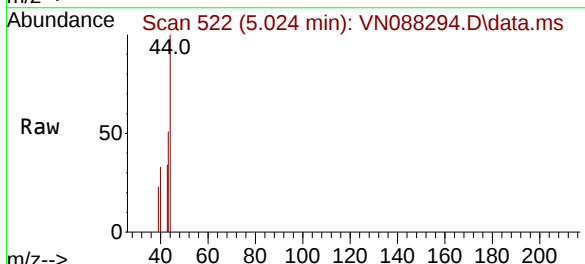
Instrument :
MSVOA_N
ClientSampleId :
VN1117WBL01

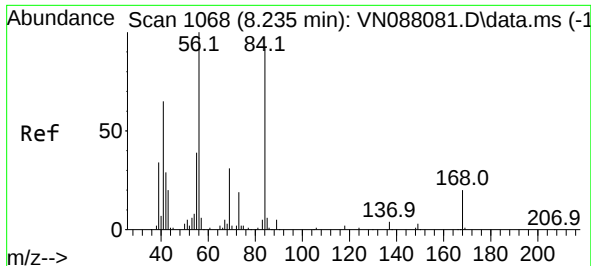
Tgt Ion: 56 Resp: 188
Ion Ratio Lower Upper
56 100
55 199.5 57.3 85.9#



#18
Methyl Acetate
Concen: 0.447 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.012 min
Lab File: VN088294.D
Acq: 17 Nov 2025 11:21

Tgt Ion: 43 Resp: 1744
Ion Ratio Lower Upper
43 100
74 0.0 17.6 26.4#

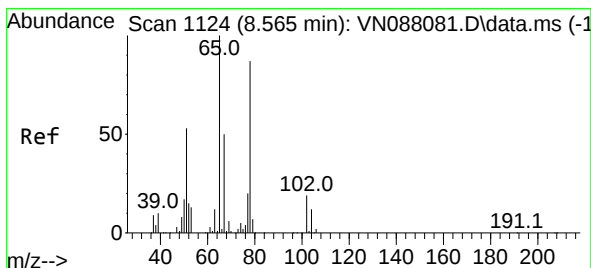
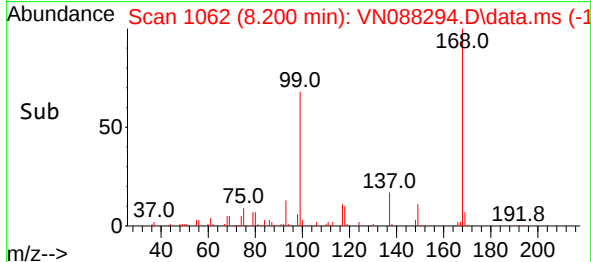
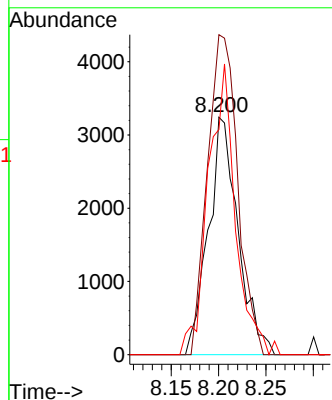
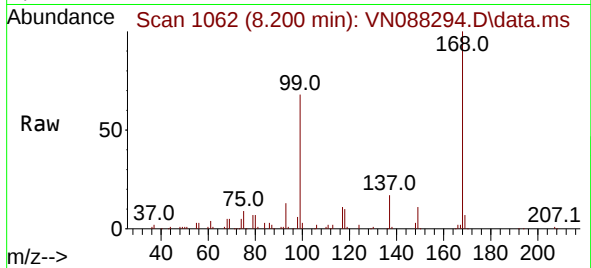




#31
Cyclohexane
Concen: 1.334 ug/l
RT: 8.200 min Scan# 1106
Delta R.T. -0.035 min
Lab File: VN088294.D
Acq: 17 Nov 2025 11:21

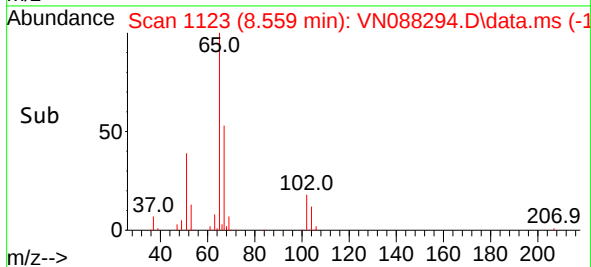
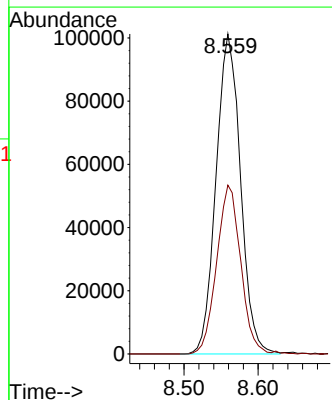
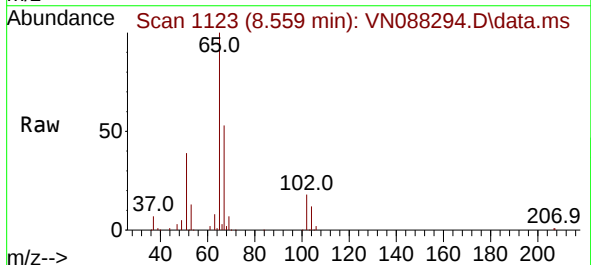
Instrument :
MSVOA_N
ClientSampleId :
VN1117WBL01

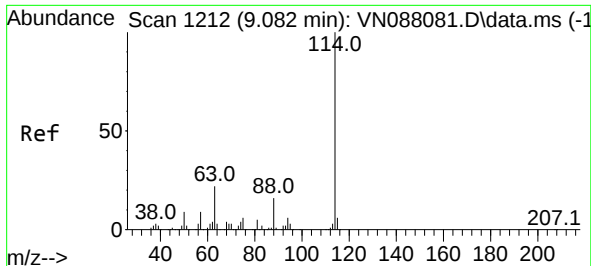
Tgt Ion: 56 Resp: 7085
Ion Ratio Lower Upper
56 100
69 134.8 23.7 35.5#
84 94.8 64.7 97.1



#33
1,2-Dichloroethane-d4
Concen: 61.072 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. 0.000 min
Lab File: VN088294.D
Acq: 17 Nov 2025 11:21

Tgt Ion: 65 Resp: 231765
Ion Ratio Lower Upper
65 100
67 51.9 0.0 100.0

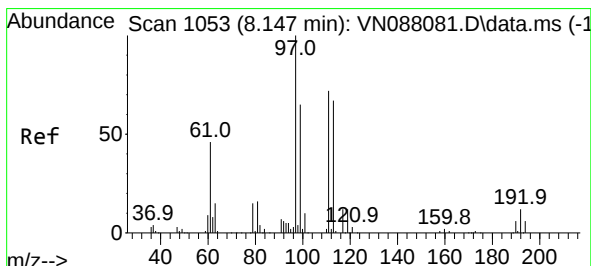
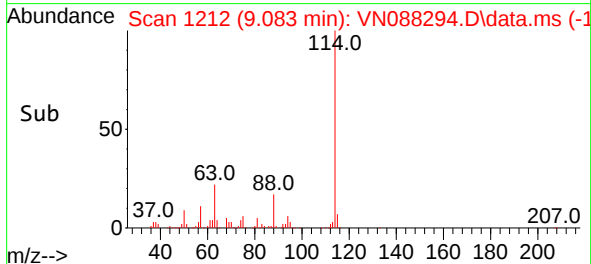
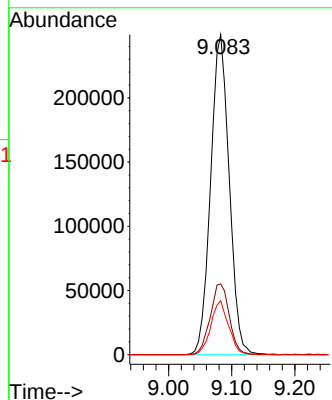
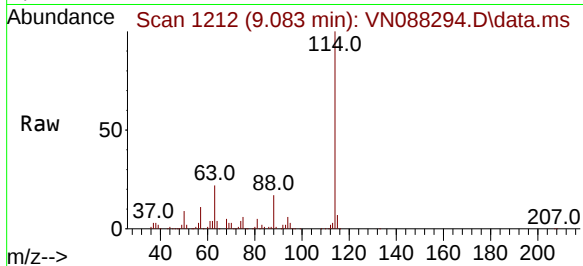




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.083 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN088294.D
Acq: 17 Nov 2025 11:21

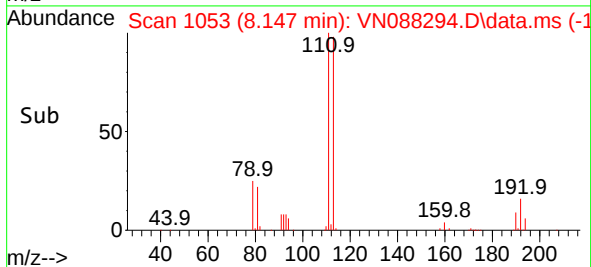
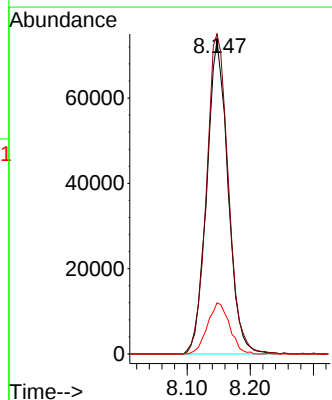
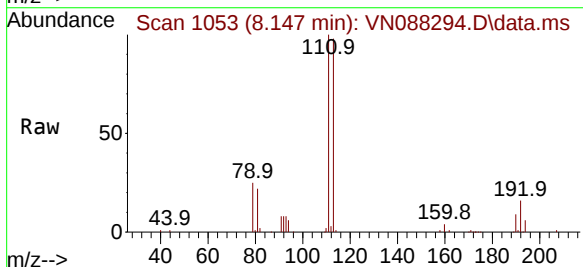
Instrument :
MSVOA_N
ClientSampleId :
VN1117WBL01

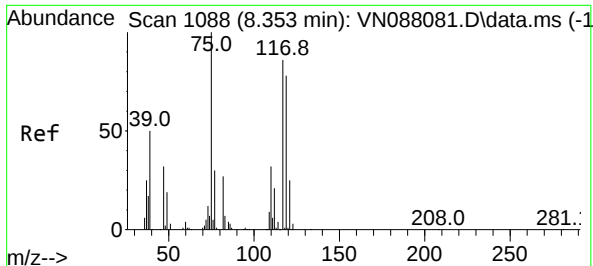
Tgt Ion:114 Resp: 508968
Ion Ratio Lower Upper
114 100
63 22.1 0.0 45.2
88 16.8 0.0 33.4



#35
Dibromofluoromethane
Concen: 50.283 ug/l
RT: 8.147 min Scan# 1053
Delta R.T. -0.006 min
Lab File: VN088294.D
Acq: 17 Nov 2025 11:21

Tgt Ion:113 Resp: 171933
Ion Ratio Lower Upper
113 100
111 104.6 82.8 124.2
192 17.0 12.8 19.2





#36

1,1-Dichloropropene

Concen: 4.373 ug/l

RT: 8.212 min Scan# 1064

Delta R.T. -0.141 min

Lab File: VN088294.D

Acq: 17 Nov 2025 11:21

Instrument :

MSVOA_N

ClientSampleId :

VN1117WBL01

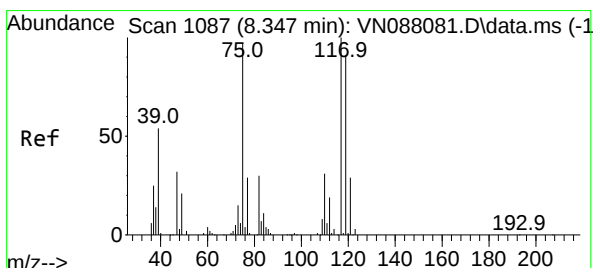
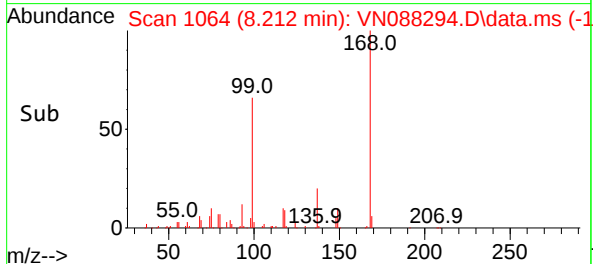
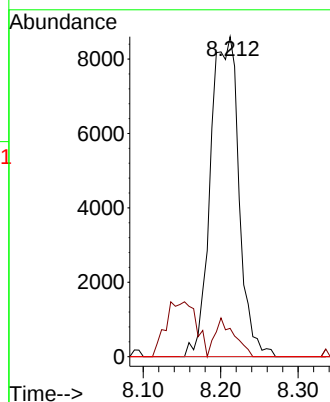
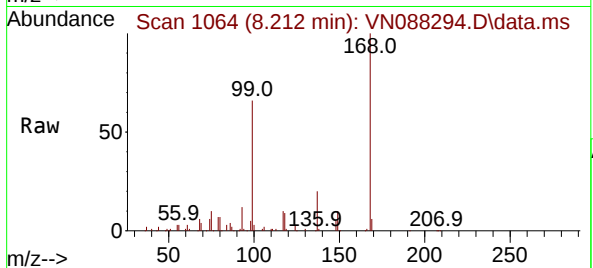
Tgt Ion: 75 Resp: 21830

Ion Ratio Lower Upper

75 100

110 8.3 15.9 47.6#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 4.998 ug/l

RT: 8.206 min Scan# 1063

Delta R.T. -0.135 min

Lab File: VN088294.D

Acq: 17 Nov 2025 11:21

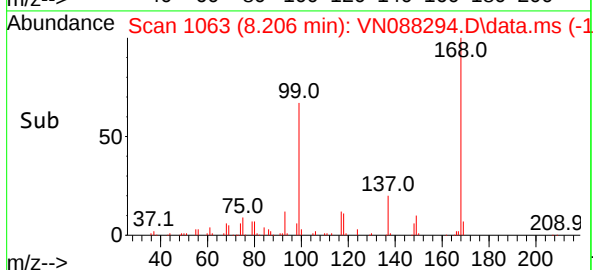
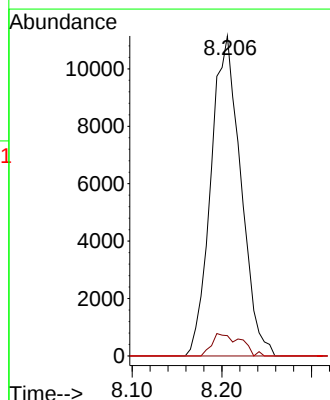
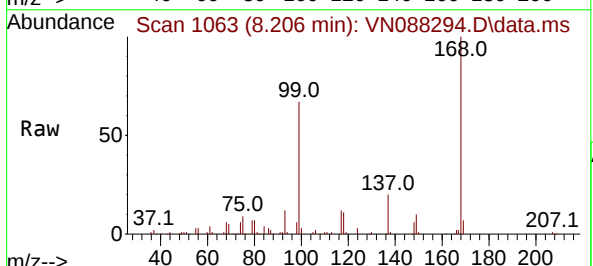
Tgt Ion: 117 Resp: 25773

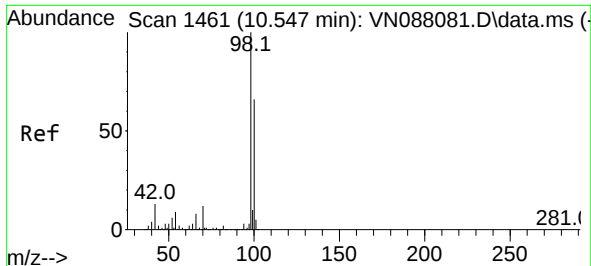
Ion Ratio Lower Upper

117 100

119 6.3 79.0 118.6#

121 0.0 25.0 37.6#

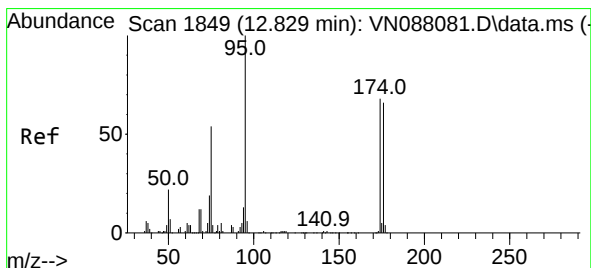
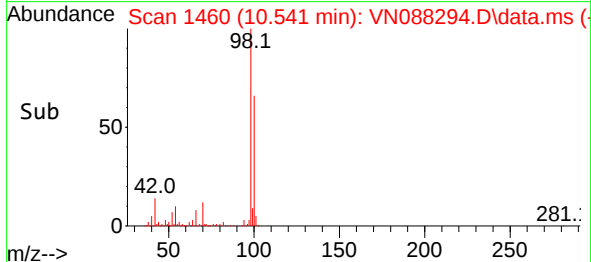
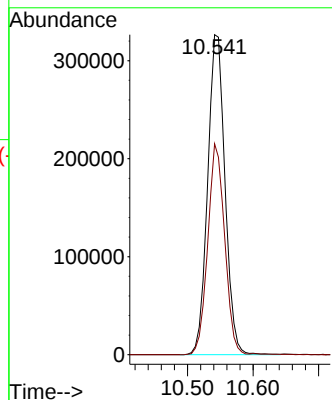
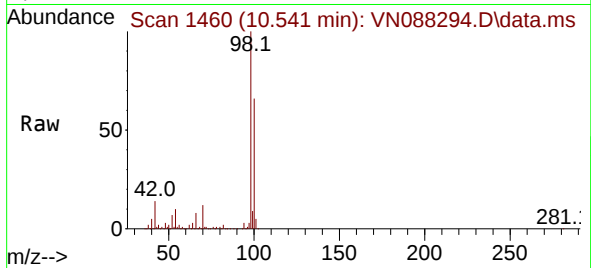




#50
Toluene-d8
Concen: 45.716 ug/l
RT: 10.541 min Scan# 1461
Delta R.T. -0.006 min
Lab File: VN088294.D
Acq: 17 Nov 2025 11:21

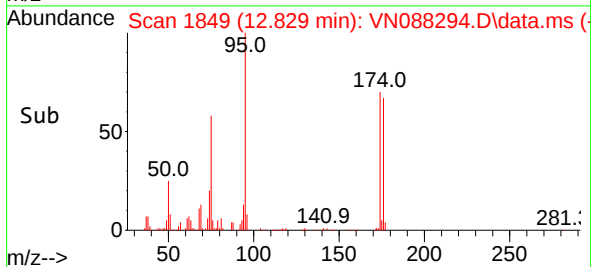
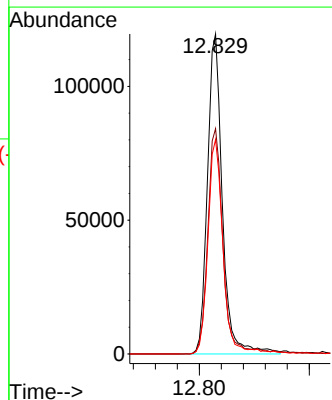
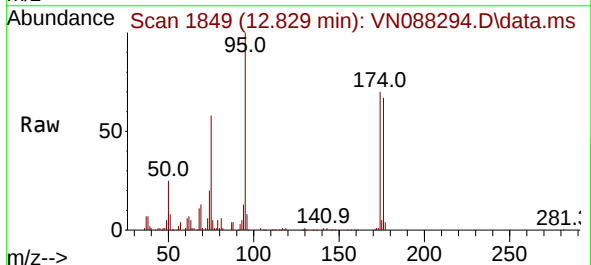
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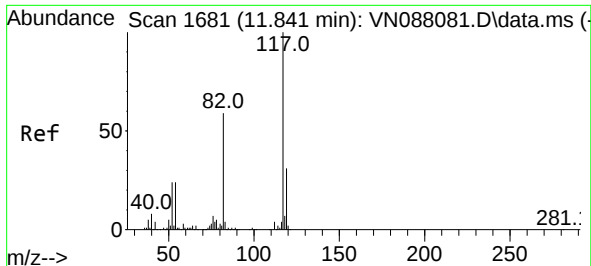
Tgt Ion: 98 Resp: 602307
Ion Ratio Lower Upper
98 100
100 64.0 52.8 79.2



#62
4-Bromofluorobenzene
Concen: 48.486 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN088294.D
Acq: 17 Nov 2025 11:21

Tgt Ion: 95 Resp: 225600
Ion Ratio Lower Upper
95 100
174 71.1 0.0 138.4
176 68.1 0.0 132.6

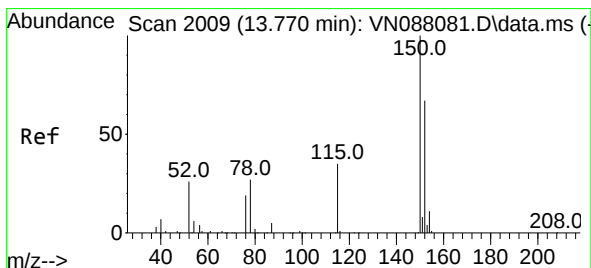
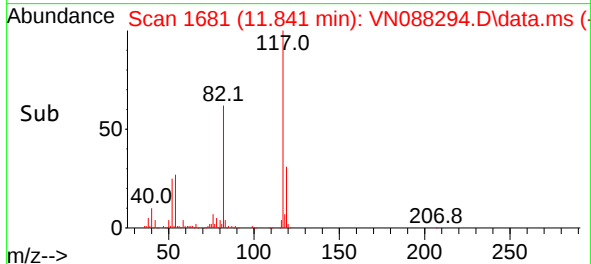
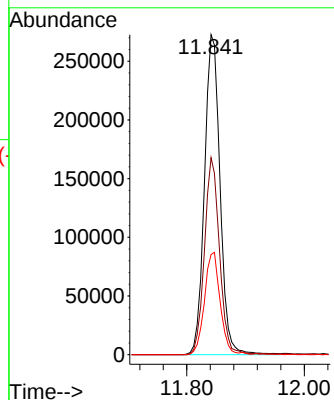
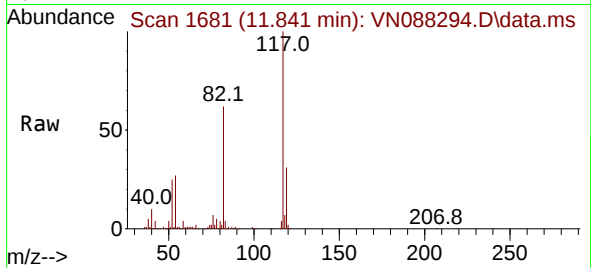




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN088294.D
Acq: 17 Nov 2025 11:21

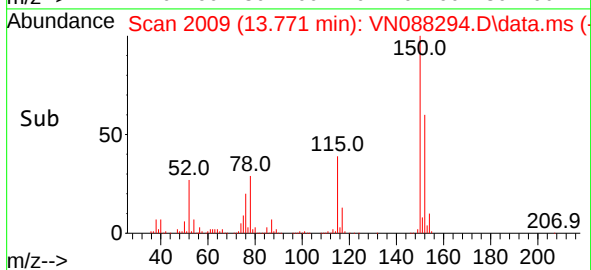
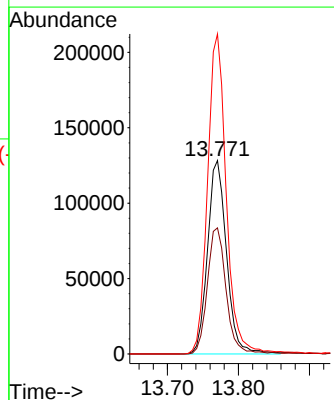
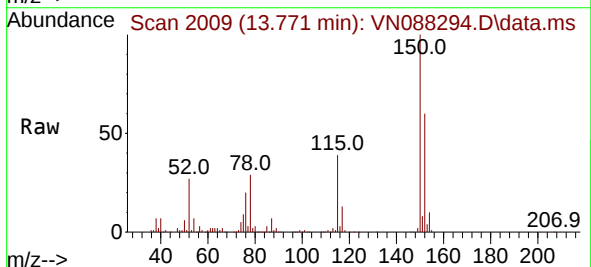
Instrument :
MSVOA_N
ClientSampleId :
VN1117WBL01

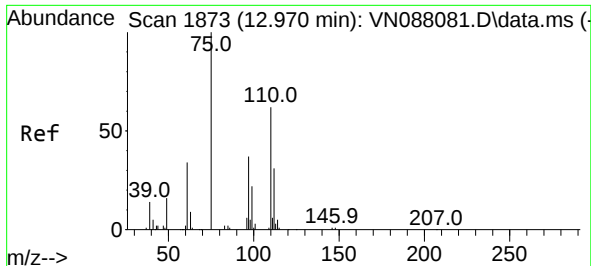
Tgt Ion:117 Resp: 502457
Ion Ratio Lower Upper
117 100
82 61.6 47.4 71.2
119 31.3 24.3 36.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.771 min Scan# 2009
Delta R.T. 0.006 min
Lab File: VN088294.D
Acq: 17 Nov 2025 11:21

Tgt Ion:152 Resp: 238738
Ion Ratio Lower Upper
152 100
115 64.5 32.3 96.8
150 163.3 0.0 351.0

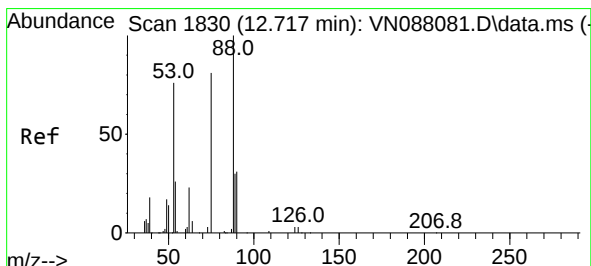
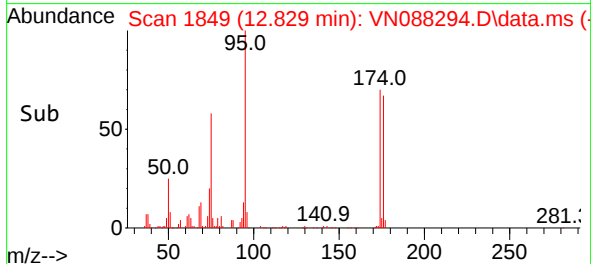
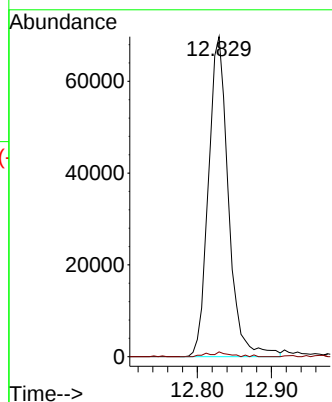
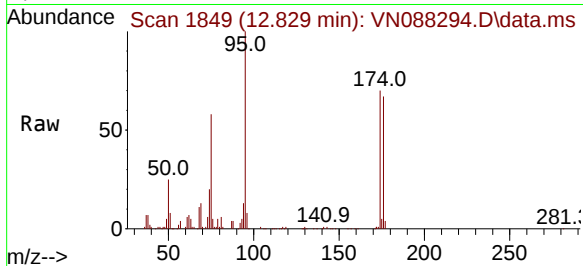




#76
1,2,3-Trichloropropane
Concen: 23.958 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. -0.141 min
Lab File: VN088294.D
Acq: 17 Nov 2025 11:21

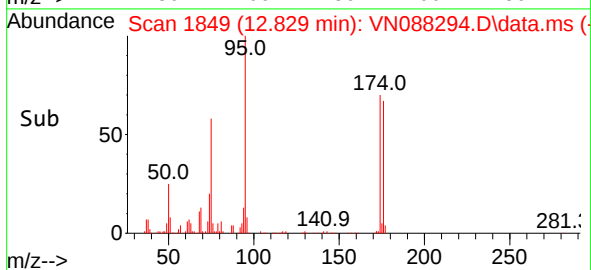
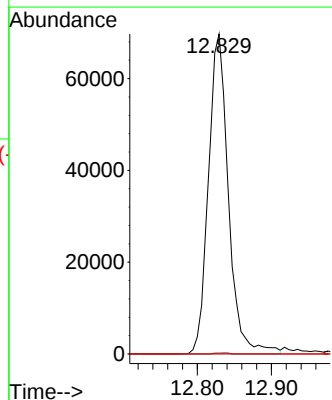
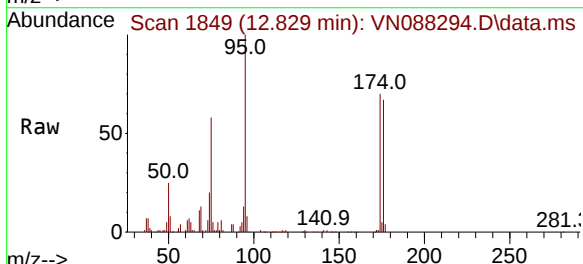
Instrument :
MSVOA_N
ClientSampleId :
VN1117WBL01

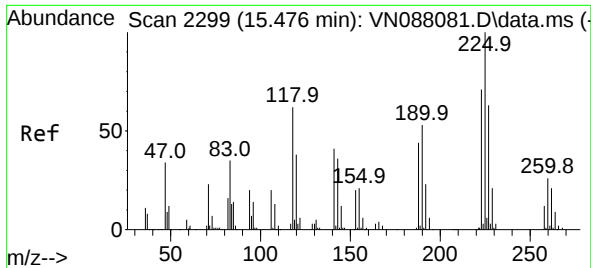
Tgt Ion: 75 Resp: 130770
Ion Ratio Lower Upper
75 100
77 1.4 89.1 267.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 66.832 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.112 min
Lab File: VN088294.D
Acq: 17 Nov 2025 11:21

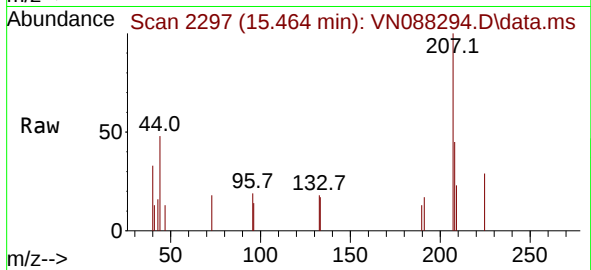
Tgt Ion: 75 Resp: 130770
Ion Ratio Lower Upper
75 100
53 0.2 101.8 152.6#
89 0.0 35.6 53.4#





#94
 Hexachlorobutadiene
 Concen: 0.254 ug/l
 RT: 15.464 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: VN088294.D
 Acq: 17 Nov 2025 11:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1117WBL01



Tgt Ion:	225	Resp:	437
Ion	Ratio	Lower	Upper
225	100		
223	15.8	32.0	96.2#
227	12.4	32.1	96.5#

