

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092625\
 Data File : VN087963.D
 Acq On : 26 Sep 2025 13:49
 Operator : JC\MD
 Sample : VN0926WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0926WBL01

Quant Time: Sep 27 01:24:13 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)

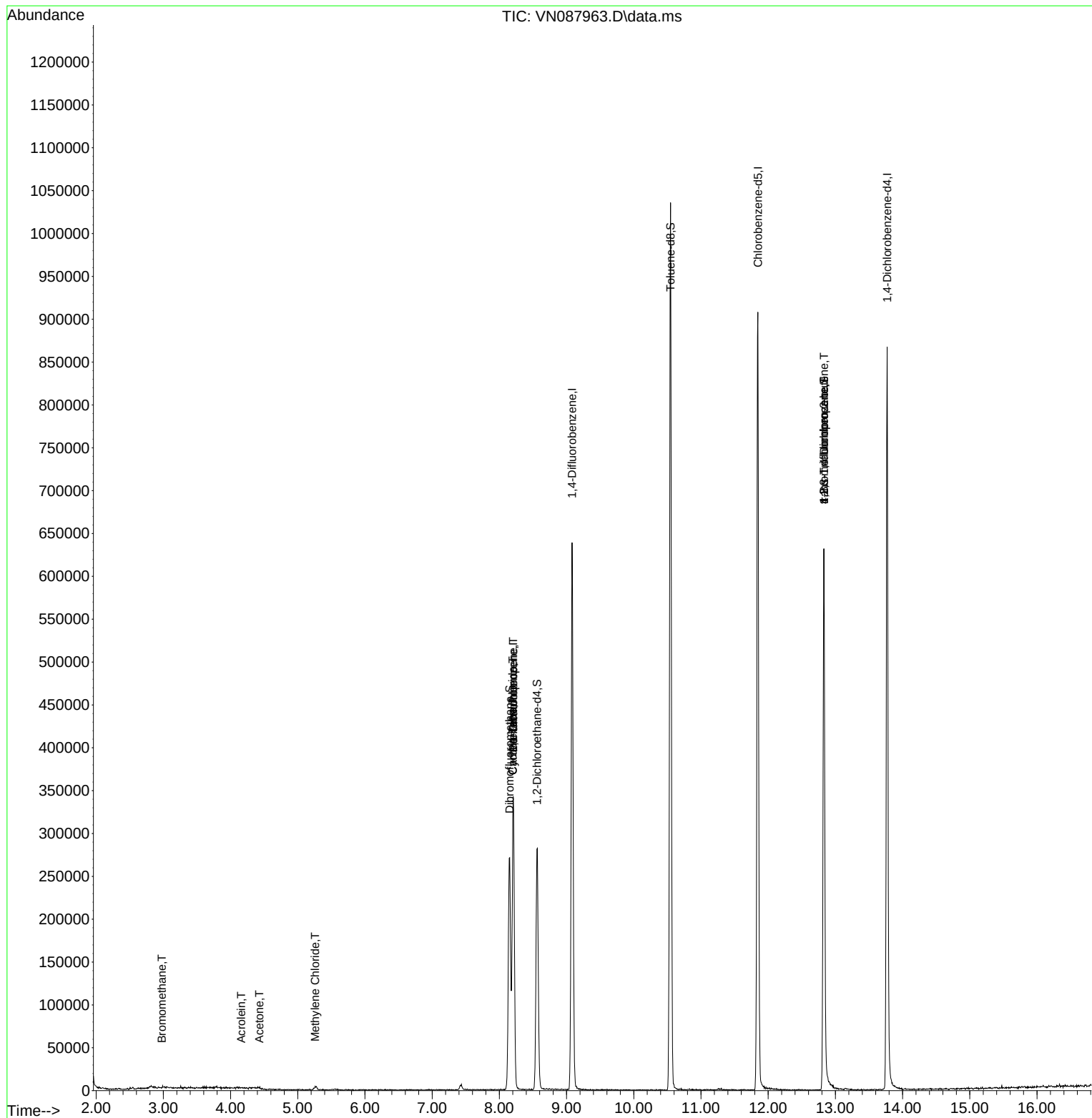
Internal Standards						
1) Pentafluorobenzene	8.206	168	239293	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	535067	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	507778	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	233948	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	235234	58.412	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 116.820%		
35) Dibromofluoromethane	8.153	113	195893	50.424	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 100.840%		
50) Toluene-d8	10.547	98	687185	50.300	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 100.600%		
62) 4-Bromofluorobenzene	12.829	95	217679	44.576	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	= 89.160%		
Target Compounds						
					Qvalue	
5) Bromomethane	2.977	94	413	0.230	ug/l #	63
13) Acrolein	4.159	56	158	0.212	ug/l #	17
16) Acetone	4.430	43	427	0.258	ug/l	95
20) Methylene Chloride	5.259	84	3014	0.899	ug/l #	59
31) Cyclohexane	8.200	56	3458	0.766	ug/l #	40
36) 1,1-Dichloropropene	8.206	75	21206	4.540	ug/l #	52
38) Carbon Tetrachloride	8.200	117	26924	5.023	ug/l #	19
76) 1,2,3-Trichloropropane	12.829	75	117380	25.453	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.829	75	117380	70.679	ug/l #	9

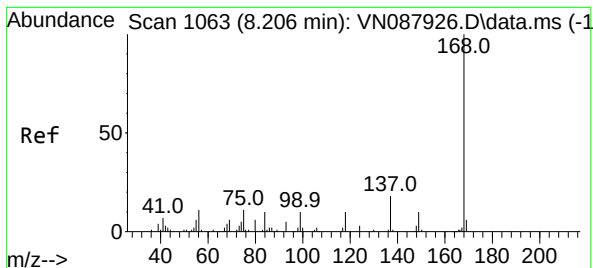
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.206 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN087963.D

Acq: 26 Sep 2025 13:49

Instrument :

MSVOA_N

ClientSampleId :

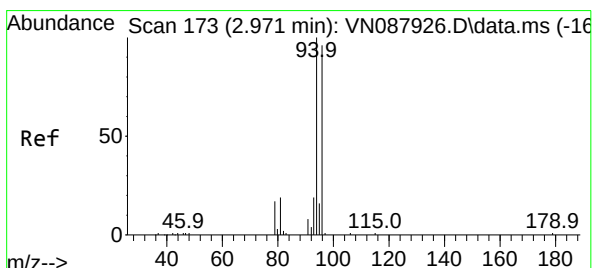
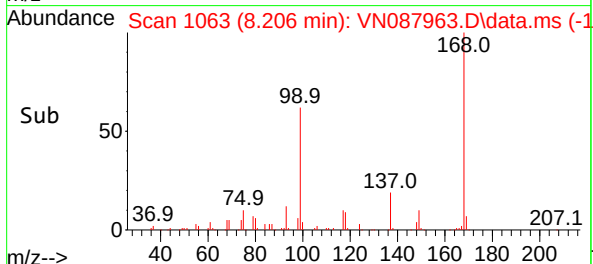
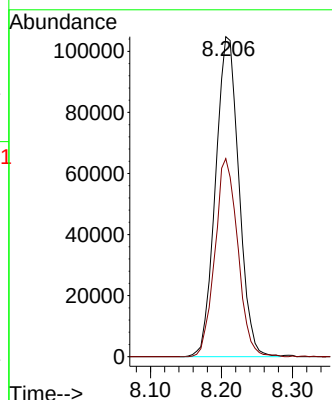
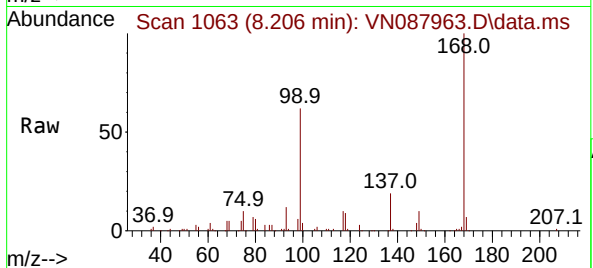
VN0926WBL01

Tgt Ion:168 Resp: 239293

Ion Ratio Lower Upper

168 100

99 61.9 52.2 78.2



#5

Bromomethane

Concen: 0.230 ug/l

RT: 2.977 min Scan# 174

Delta R.T. 0.006 min

Lab File: VN087963.D

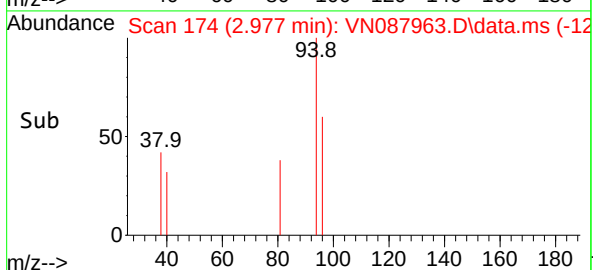
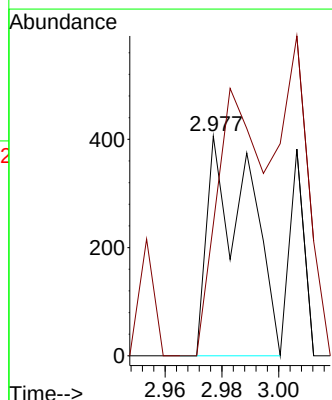
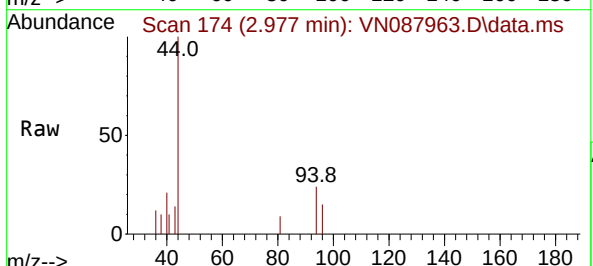
Acq: 26 Sep 2025 13:49

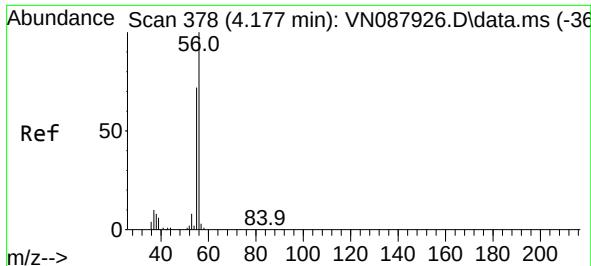
Tgt Ion: 94 Resp: 413

Ion Ratio Lower Upper

94 100

96 59.9 76.8 115.2#

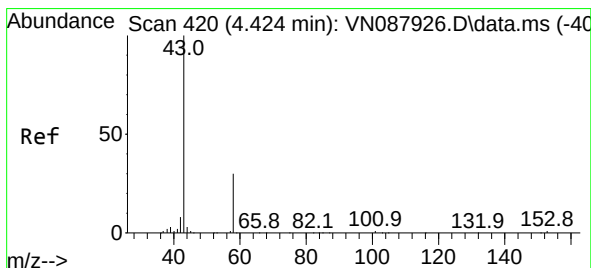
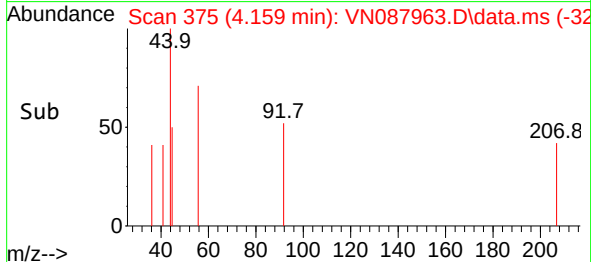
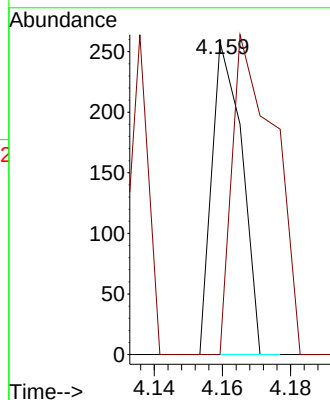
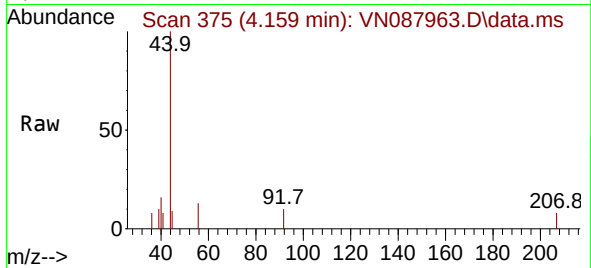




#13
Acrolein
Concen: 0.212 ug/l
RT: 4.159 min Scan# 31
Delta R.T. -0.018 min
Lab File: VN087963.D
Acq: 26 Sep 2025 13:49

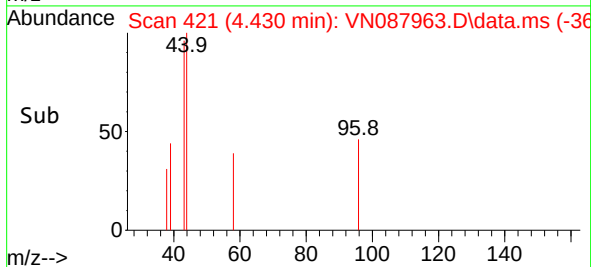
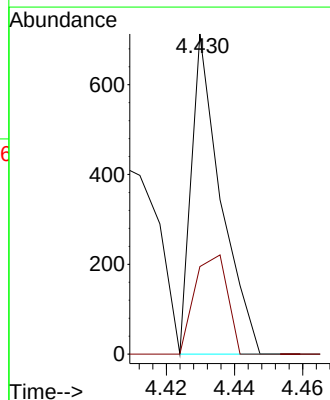
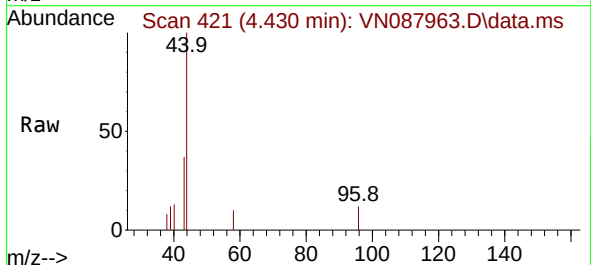
Instrument :
MSVOA_N
ClientSampleId :
VN0926WBL01

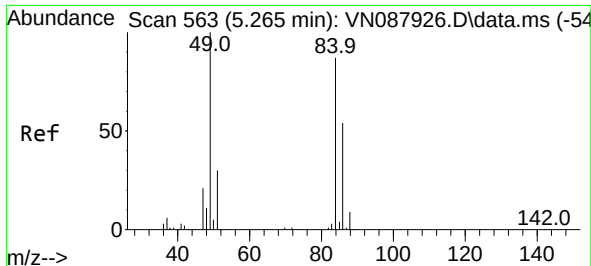
Tgt Ion: 56 Resp: 158
Ion Ratio Lower Upper
56 100
55 144.3 59.3 88.9#



#16
Acetone
Concen: 0.258 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN087963.D
Acq: 26 Sep 2025 13:49

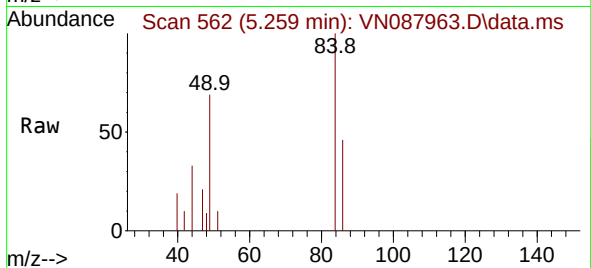
Tgt Ion: 43 Resp: 427
Ion Ratio Lower Upper
43 100
58 27.3 24.1 36.1



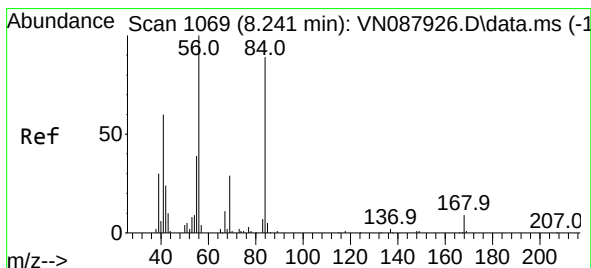
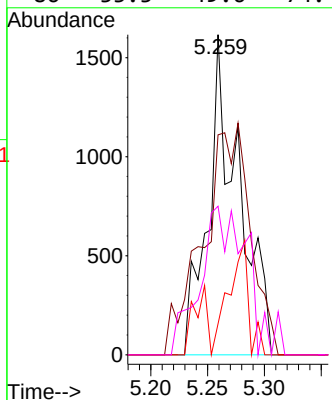
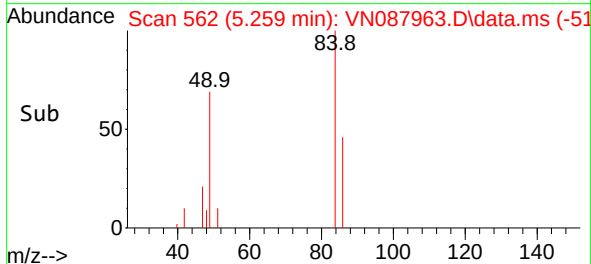


#20
Methylene Chloride
Concen: 0.899 ug/l
RT: 5.259 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN087963.D
Acq: 26 Sep 2025 13:49

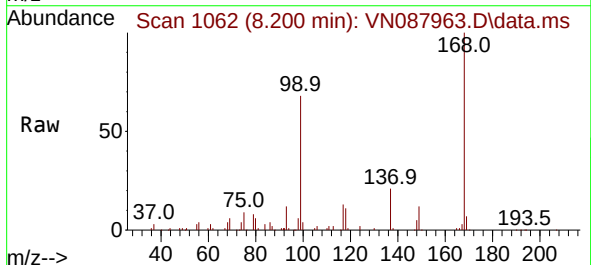
Instrument :
MSVOA_N
ClientSampleId :
VN0926WBL01



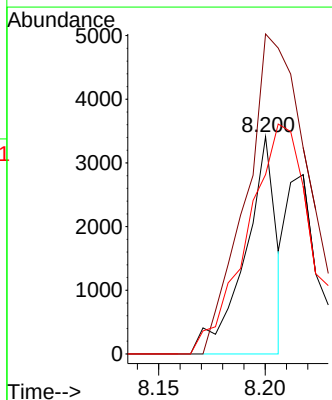
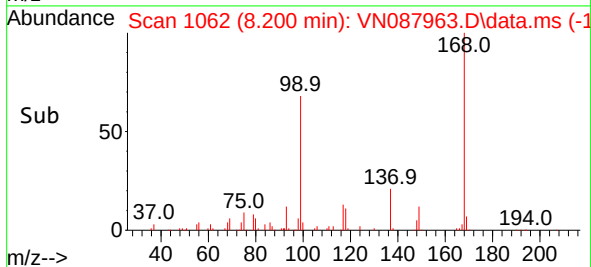
Tgt Ion:	84	Resp:	3014
Ion	Ratio	Lower	Upper
84	100		
49	68.7	92.1	138.1#
51	9.7	27.7	41.5#
86	33.3	49.6	74.4#

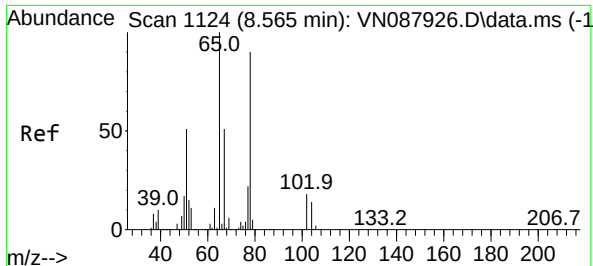


#31
Cyclohexane
Concen: 0.766 ug/l
RT: 8.200 min Scan# 1062
Delta R.T. -0.041 min
Lab File: VN087963.D
Acq: 26 Sep 2025 13:49



Tgt Ion:	56	Resp:	3458
Ion	Ratio	Lower	Upper
56	100		
69	147.3	23.4	35.0#
84	82.5	70.8	106.2





#33

1,2-Dichloroethane-d4

Concen: 58.412 ug/l

RT: 8.559 min Scan# 1123

Delta R.T. -0.006 min

Lab File: VN087963.D

Acq: 26 Sep 2025 13:49

Instrument :

MSVOA_N

ClientSampleId :

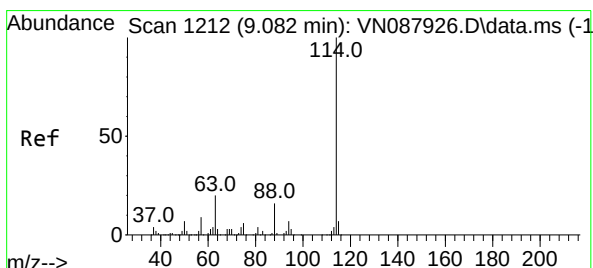
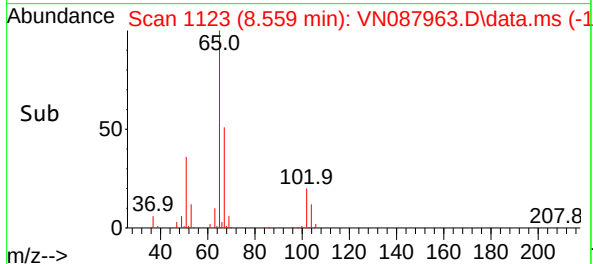
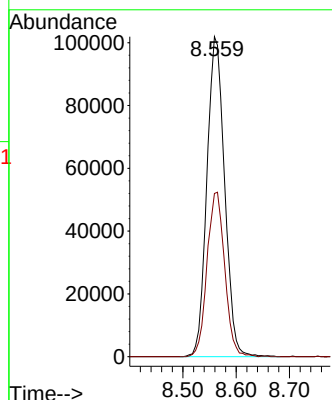
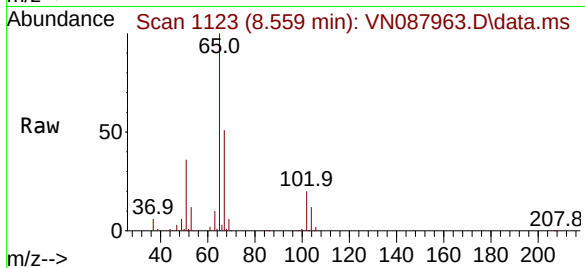
VN0926WBL01

Tgt Ion: 65 Resp: 235234

Ion Ratio Lower Upper

65 100

67 51.2 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.082 min Scan# 1212

Delta R.T. 0.000 min

Lab File: VN087963.D

Acq: 26 Sep 2025 13:49

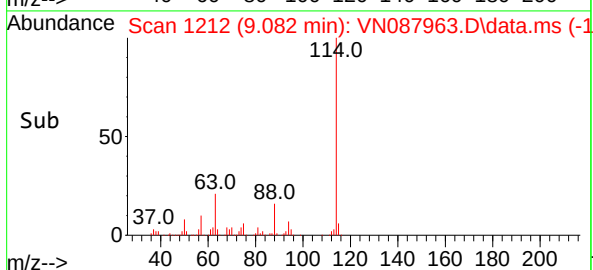
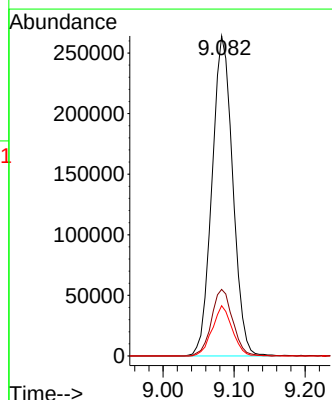
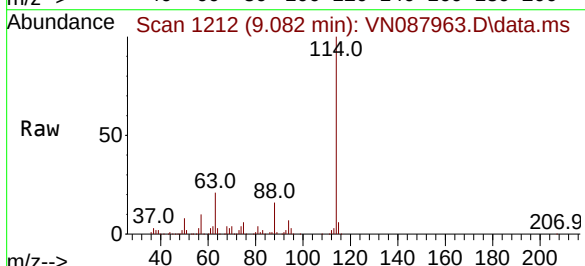
Tgt Ion: 114 Resp: 535067

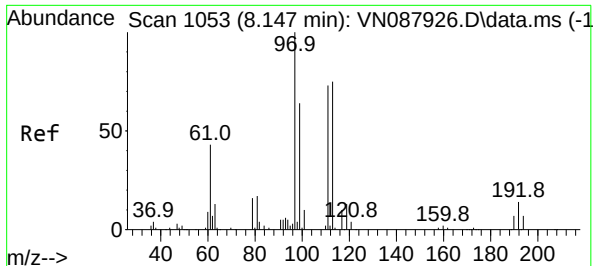
Ion Ratio Lower Upper

114 100

63 20.8 0.0 40.0

88 15.7 0.0 31.8





#35

Dibromofluoromethane

Concen: 50.424 ug/l

RT: 8.153 min Scan# 1054

Delta R.T. 0.006 min

Lab File: VN087963.D

Acq: 26 Sep 2025 13:49

Instrument :

MSVOA_N

ClientSampleId :

VN0926WBL01

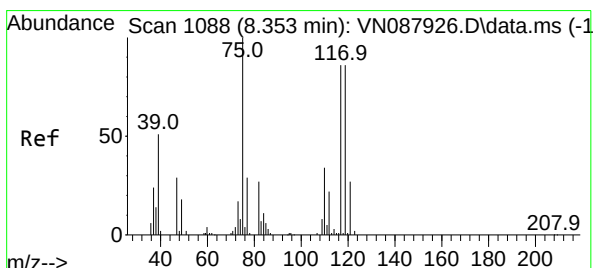
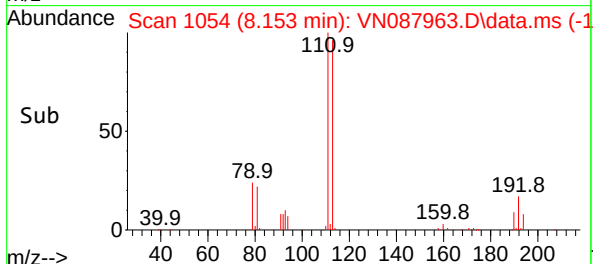
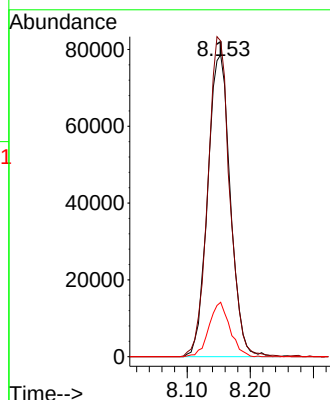
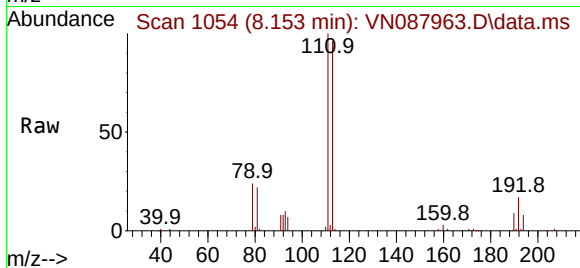
Tgt Ion:113 Resp: 195893

Ion Ratio Lower Upper

113 100

111 102.3 82.2 123.2

192 16.6 14.2 21.2



#36

1,1-Dichloropropene

Concen: 4.540 ug/l

RT: 8.206 min Scan# 1063

Delta R.T. -0.147 min

Lab File: VN087963.D

Acq: 26 Sep 2025 13:49

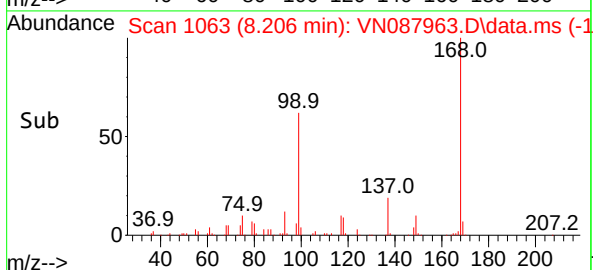
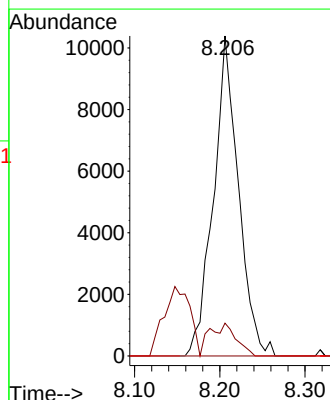
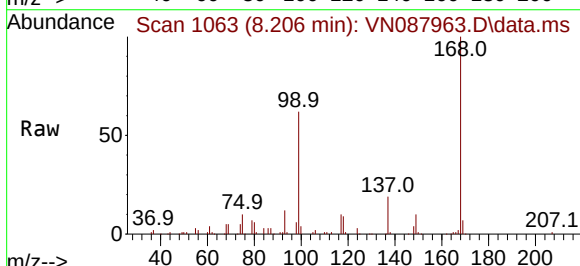
Tgt Ion: 75 Resp: 21206

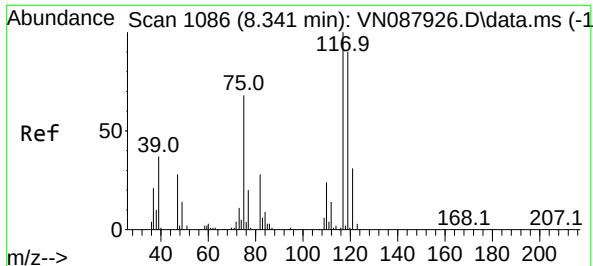
Ion Ratio Lower Upper

75 100

110 10.8 17.1 51.3#

77 0.0 24.8 37.2#

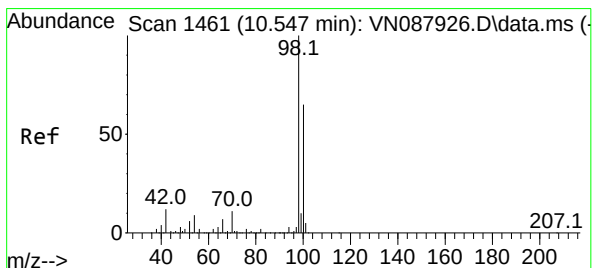
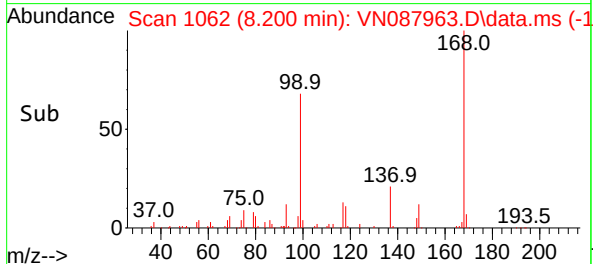
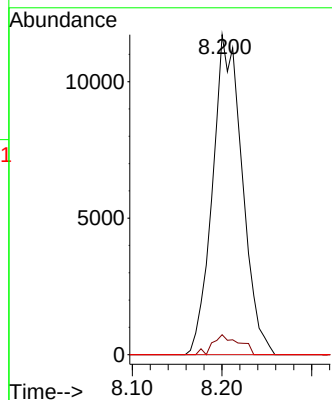
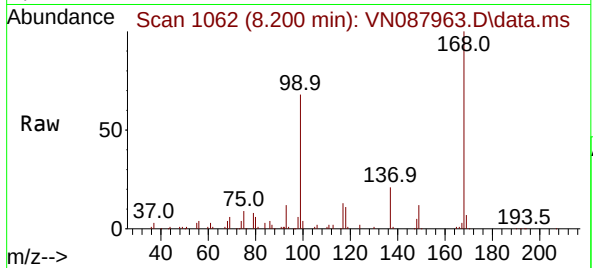




#38
Carbon Tetrachloride
Concen: 5.023 ug/l
RT: 8.200 min Scan# 1062
Delta R.T. -0.141 min
Lab File: VN087963.D
Acq: 26 Sep 2025 13:49

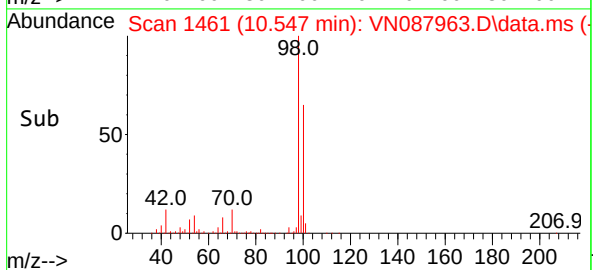
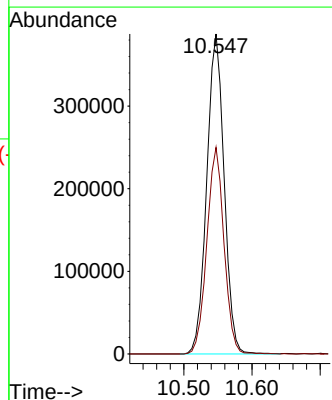
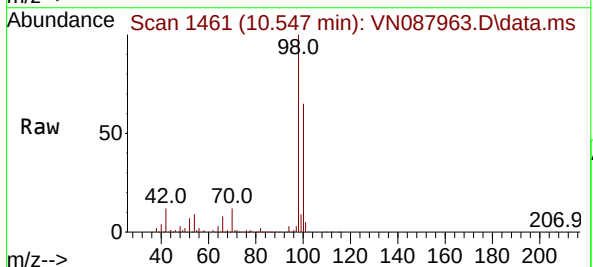
Instrument :
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ClientSampleId :
VN0926WBL01

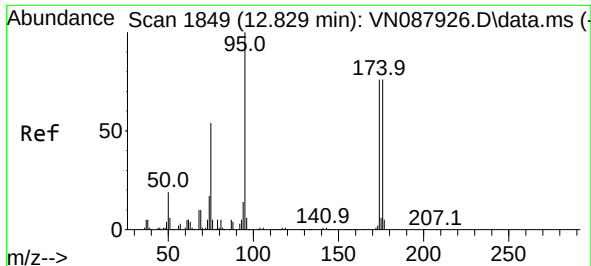
Tgt Ion:117 Resp: 26924
Ion Ratio Lower Upper
117 100
119 6.2 72.1 108.1#
121 0.0 24.6 36.8#



#50
Toluene-d8
Concen: 50.300 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. 0.000 min
Lab File: VN087963.D
Acq: 26 Sep 2025 13:49

Tgt Ion: 98 Resp: 687185
Ion Ratio Lower Upper
98 100
100 63.7 51.7 77.5

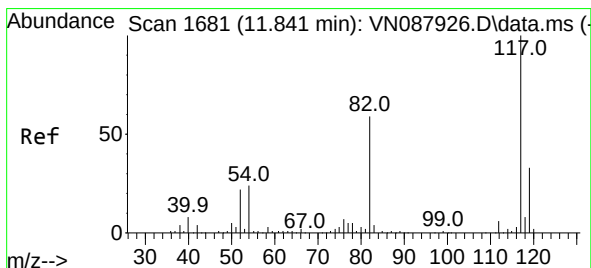
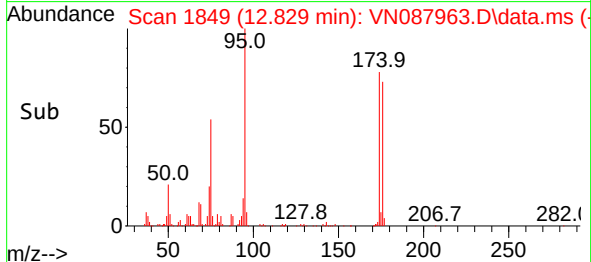
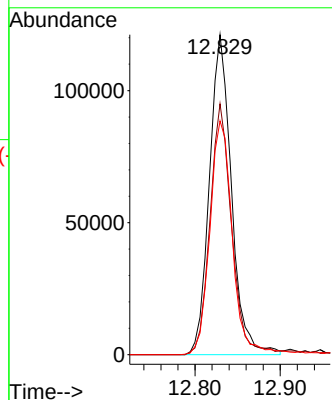
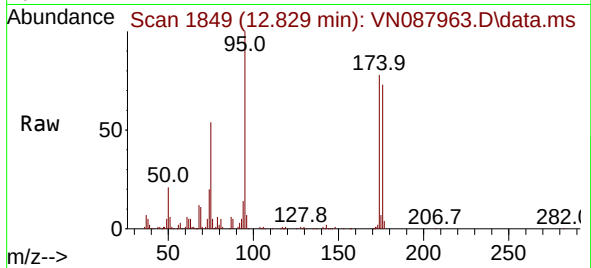




#62
4-Bromofluorobenzene
Concen: 44.576 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VN087963.D
Acq: 26 Sep 2025 13:49

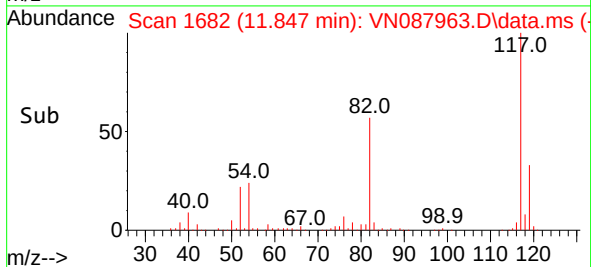
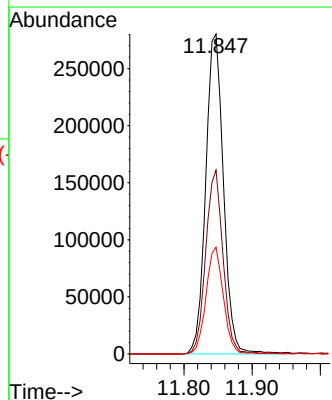
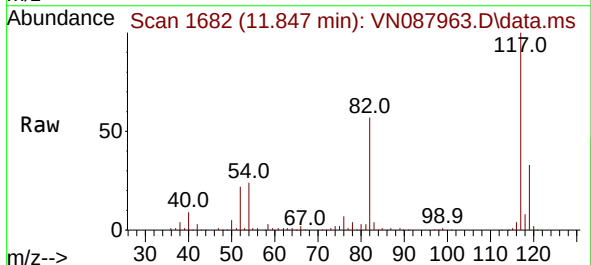
Instrument :
MSVOA_N
ClientSampleId :
VN0926WBL01

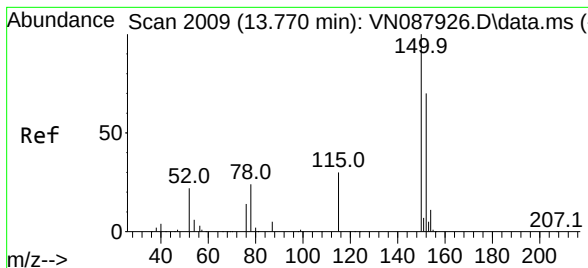
Tgt Ion: 95 Resp: 217679
Ion Ratio Lower Upper
95 100
174 77.2 0.0 159.2
176 74.7 0.0 152.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 1682
Delta R.T. 0.006 min
Lab File: VN087963.D
Acq: 26 Sep 2025 13:49

Tgt Ion: 117 Resp: 507778
Ion Ratio Lower Upper
117 100
82 57.5 47.0 70.4
119 33.4 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: VN087963.D

Acq: 26 Sep 2025 13:49

Instrument :

MSVOA_N

ClientSampleId :

VN0926WBL01

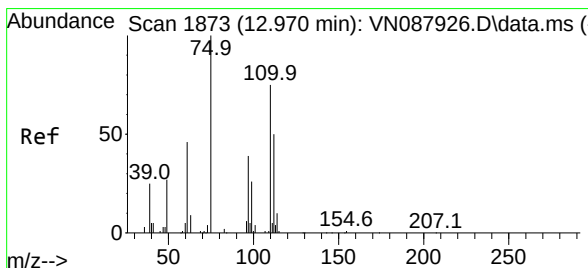
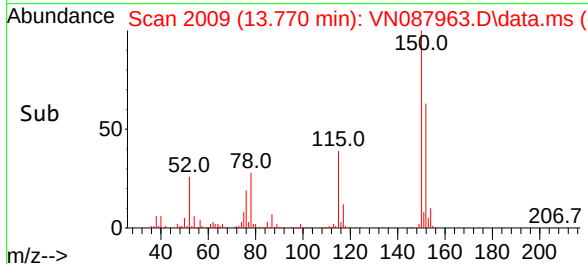
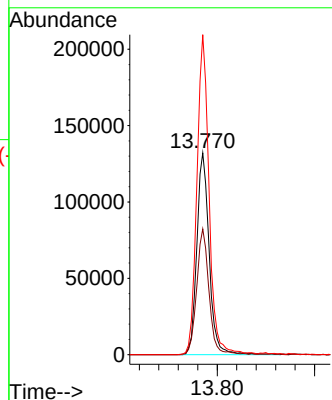
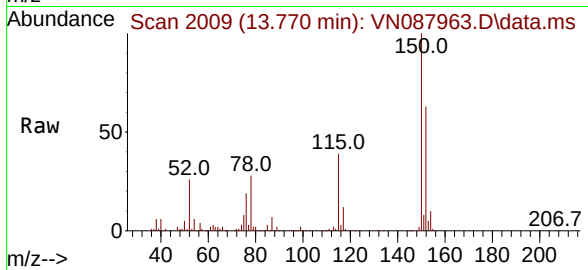
Tgt Ion:152 Resp: 233948

Ion Ratio Lower Upper

152 100

115 62.1 29.9 89.7

150 155.6 0.0 335.0



#76

1,2,3-Trichloropropane

Concen: 25.453 ug/l

RT: 12.829 min Scan# 1849

Delta R.T. -0.141 min

Lab File: VN087963.D

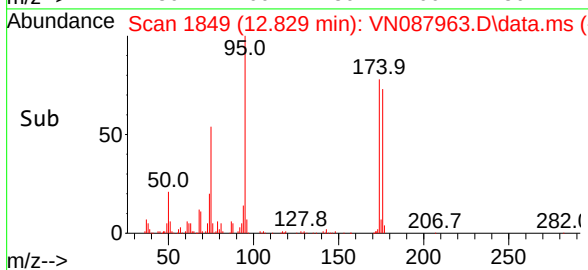
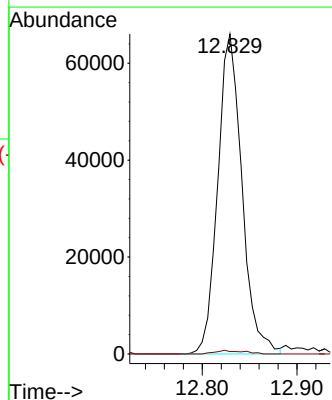
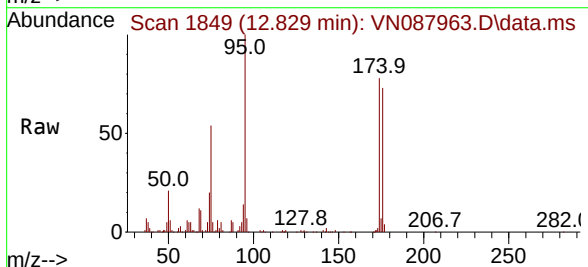
Acq: 26 Sep 2025 13:49

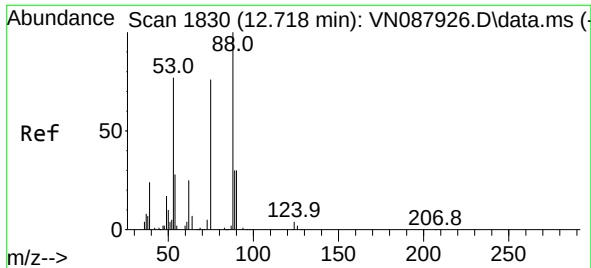
Tgt Ion: 75 Resp: 117380

Ion Ratio Lower Upper

75 100

77 1.3 89.5 268.5#





#81
trans-1,4-Dichloro-2-butene
Concen: 70.679 ug/l
RT: 12.829 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN087963.D
Acq: 26 Sep 2025 13:49

Instrument :
MSVOA_N
ClientSampleId :
VN0926WBL01

Tgt Ion: 75 Resp: 117380
Ion Ratio Lower Upper
75 100
53 0.1 82.0 123.0#
89 0.1 36.1 54.1#

