

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090525\
 Data File : VN087746.D
 Acq On : 05 Sep 2025 16:48
 Operator : JC\MD
 Sample : VIBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 06 01:08:28 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 22 02:55:42 2025
 Response via : Initial Calibration

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

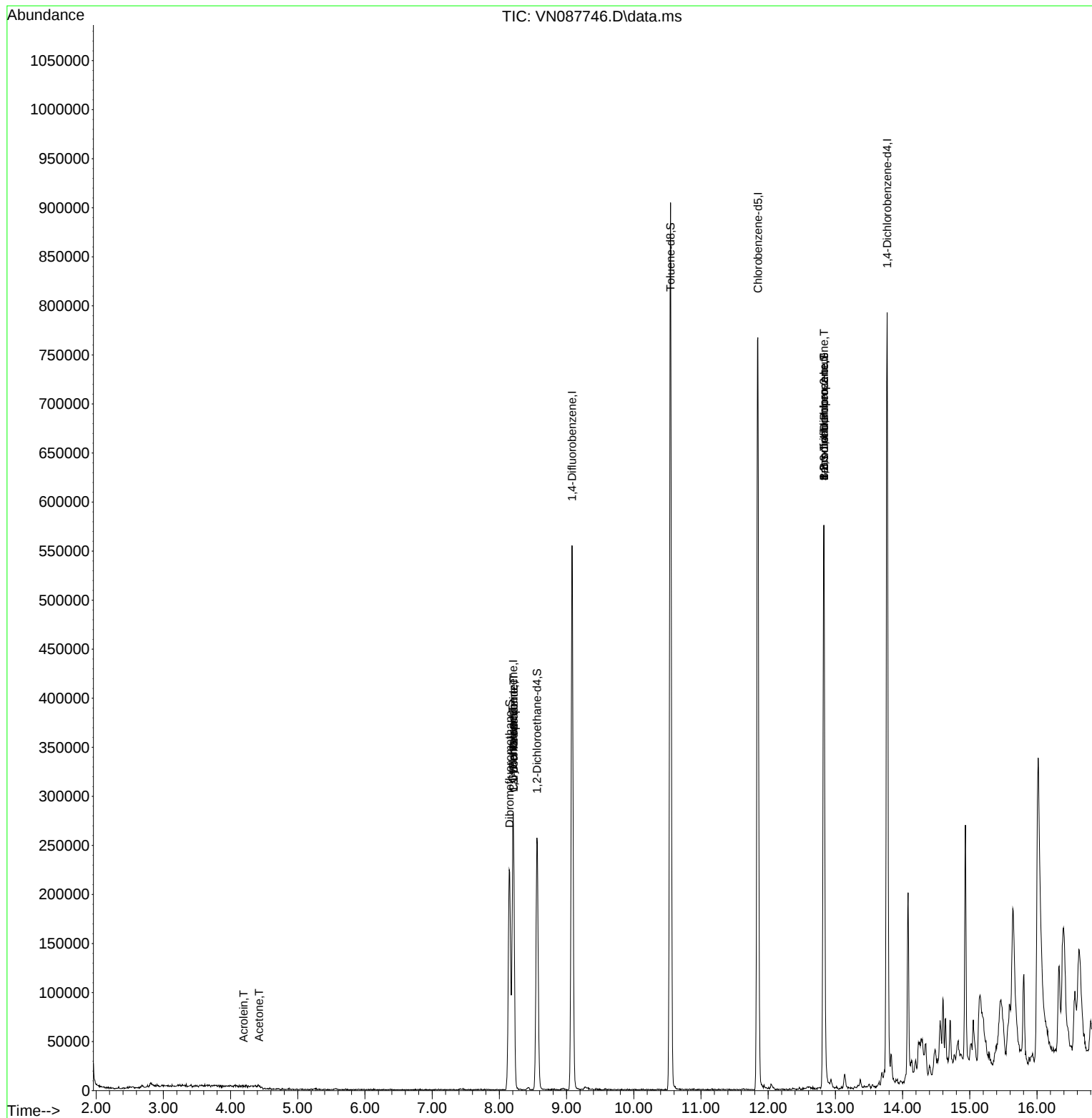
Internal Standards						
1) Pentafluorobenzene	8.206	168	187848	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	442132	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	422447	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	199310	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	216521	56.257	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 112.520%	
35) Dibromofluoromethane	8.153	113	161695	50.653	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 101.300%	
50) Toluene-d8	10.547	98	582070	48.718	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 97.440%	
62) 4-Bromofluorobenzene	12.829	95	201585	47.443	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 94.880%	
Target Compounds						
					Qvalue	
13) Acrolein	4.195	56	197	0.240	ug/l #	14
16) Acetone	4.424	43	2909	1.388	ug/l	89
20) Methylene Chloride	5.259	84	261	Below Cal	#	50
31) Cyclohexane	8.200	56	6139	1.268	ug/l #	27
36) 1,1-Dichloropropene	8.212	75	18737	3.826	ug/l #	46
38) Carbon Tetrachloride	8.212	117	21216	4.388	ug/l #	15
71) Bromoform	12.829	173	1862	0.696	ug/l #	1
76) 1,2,3-Trichloropropane	12.829	75	117762	25.196	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.829	75	117762	66.702	ug/l #	1

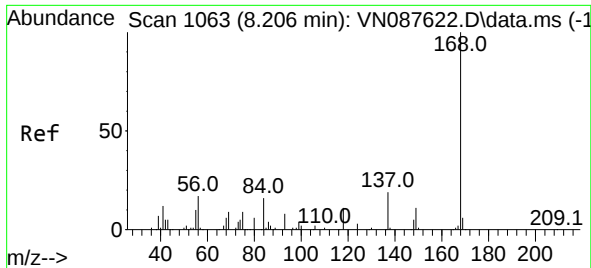
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

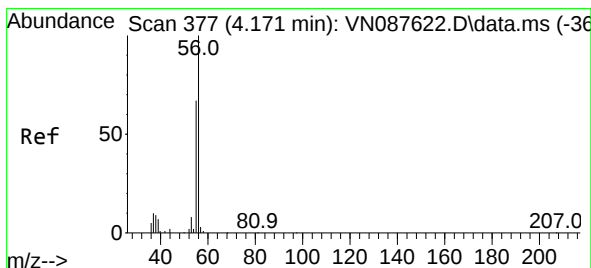
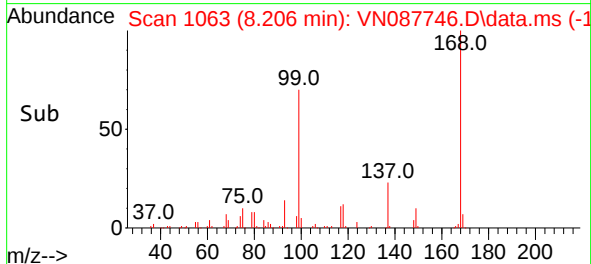
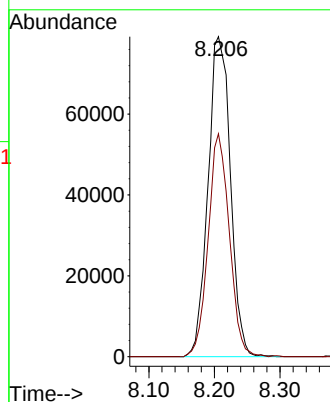
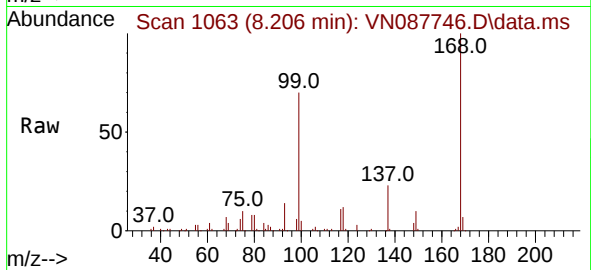




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VN087746.D
Acq: 05 Sep 2025 16:48

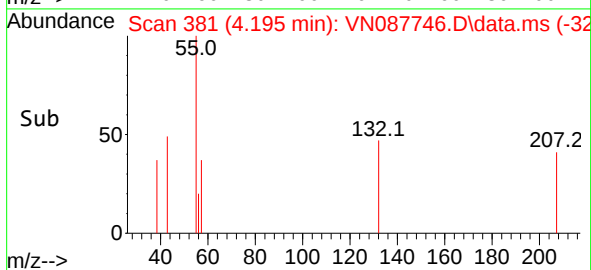
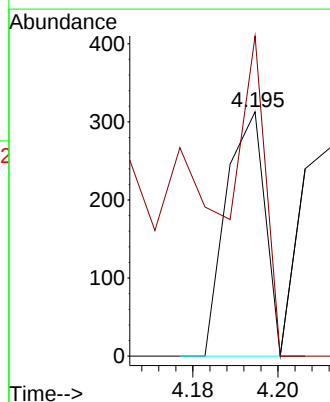
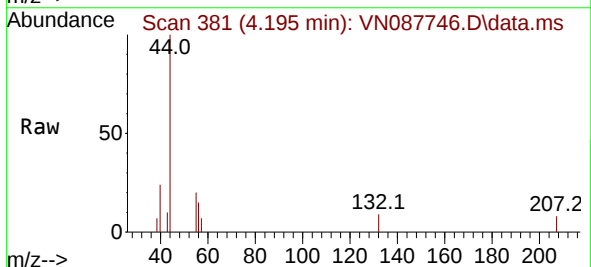
Instrument :
MSVOA_N
ClientSampleId :

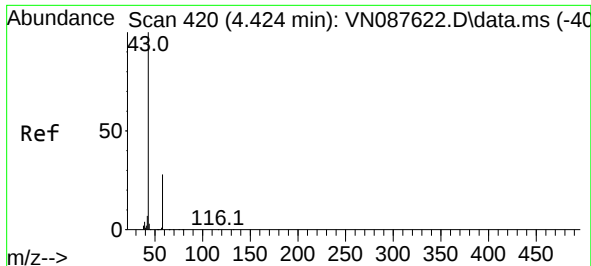
Tgt Ion:168 Resp: 187848
Ion Ratio Lower Upper
168 100
99 69.6 57.2 85.8



#13
Acrolein
Concen: 0.240 ug/l
RT: 4.195 min Scan# 381
Delta R.T. 0.024 min
Lab File: VN087746.D
Acq: 05 Sep 2025 16:48

Tgt Ion: 56 Resp: 197
Ion Ratio Lower Upper
56 100
55 0.0 57.3 85.9#

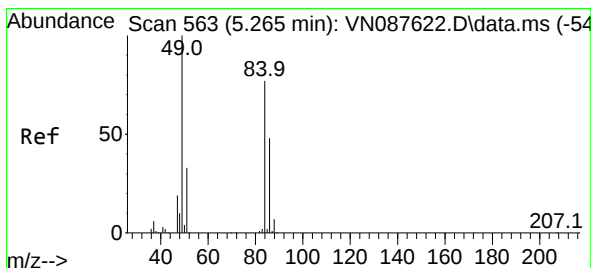
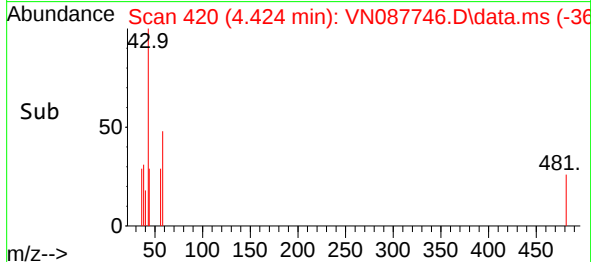
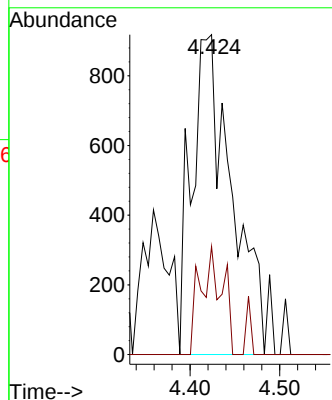
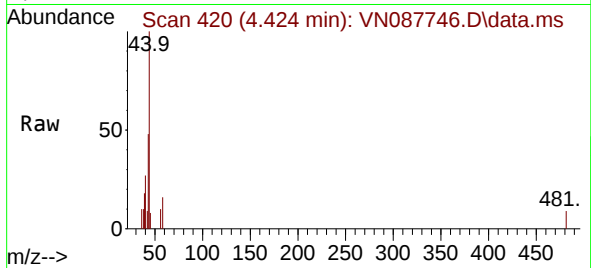




#16
Acetone
Concen: 1.388 ug/l
RT: 4.424 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN087746.D
Acq: 05 Sep 2025 16:48

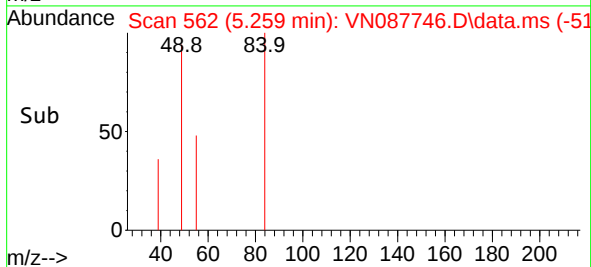
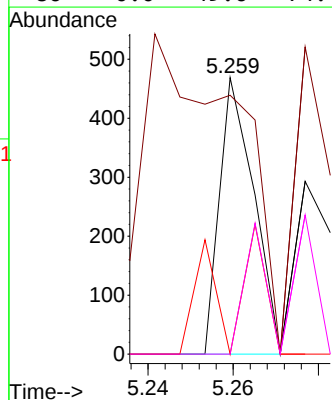
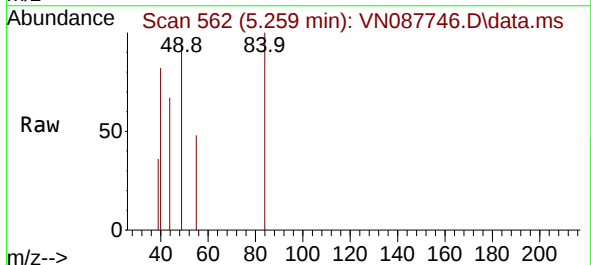
Instrument :
MSVOA_N
ClientSampleId :

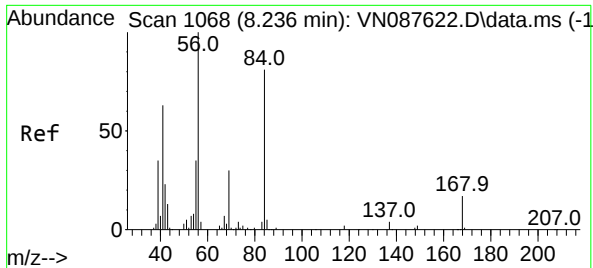
Tgt Ion: 43 Resp: 2909
Ion Ratio Lower Upper
43 100
58 33.8 22.6 33.8



#20
Methylene Chloride
Concen: Below Cal
RT: 5.259 min Scan# 562
Delta R.T. -0.006 min
Lab File: VN087746.D
Acq: 05 Sep 2025 16:48

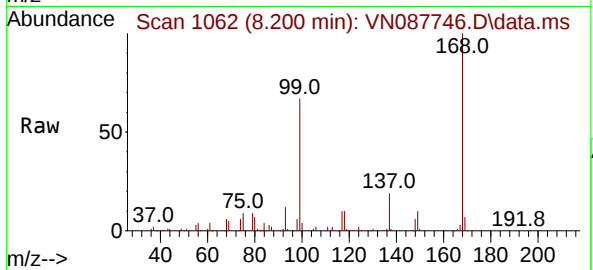
Tgt Ion: 84 Resp: 261
Ion Ratio Lower Upper
84 100
49 93.6 103.4 155.2#
51 0.0 33.8 50.8#
86 0.0 49.6 74.4#



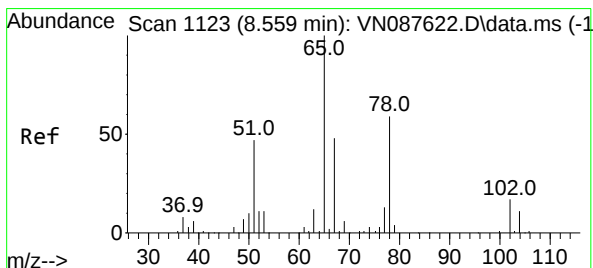
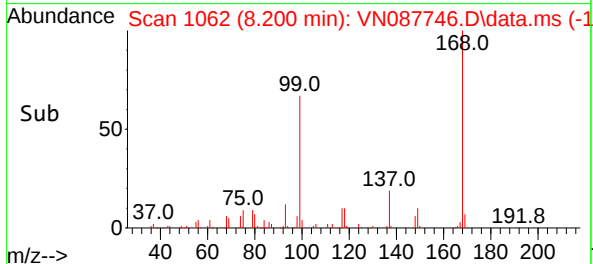
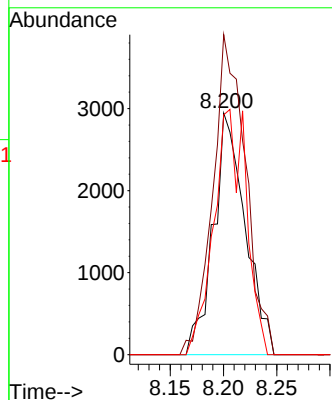


#31
Cyclohexane
Concen: 1.268 ug/l
RT: 8.200 min Scan# 1062
Delta R.T. -0.035 min
Lab File: VN087746.D
Acq: 05 Sep 2025 16:48

Instrument :
MSVOA_N
ClientSampleId :

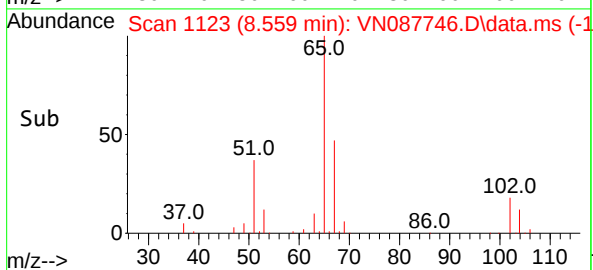
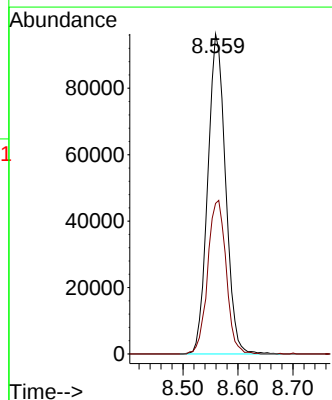
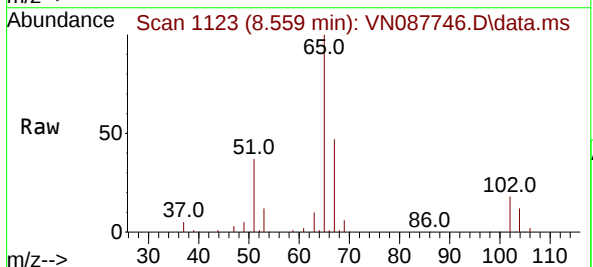


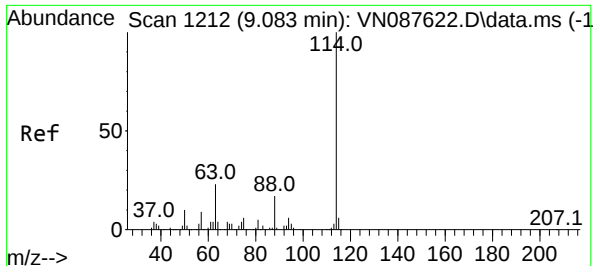
Tgt Ion: 56 Resp: 6139
Ion Ratio Lower Upper
56 100
69 132.4 23.7 35.5#
84 107.1 64.7 97.1#



#33
1,2-Dichloroethane-d4
Concen: 56.257 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.000 min
Lab File: VN087746.D
Acq: 05 Sep 2025 16:48

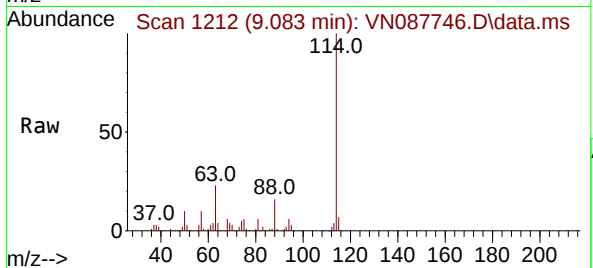
Tgt Ion: 65 Resp: 216521
Ion Ratio Lower Upper
65 100
67 49.8 0.0 100.0



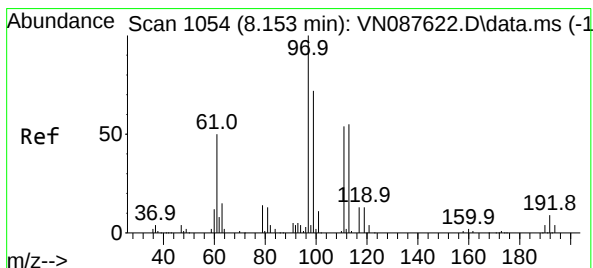
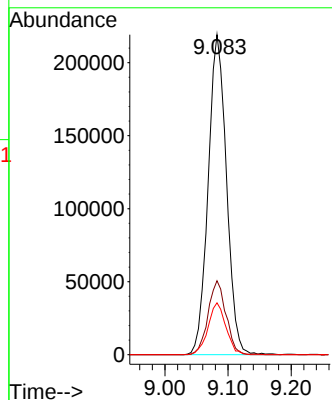
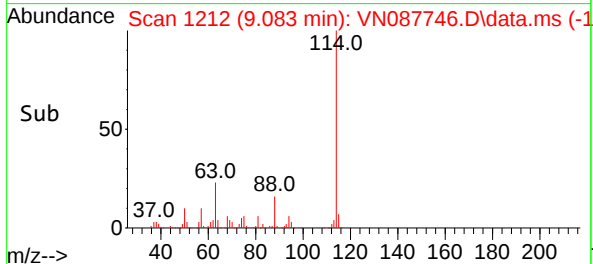


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.083 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN087746.D
Acq: 05 Sep 2025 16:48

Instrument :
MSVOA_N
ClientSampleId :

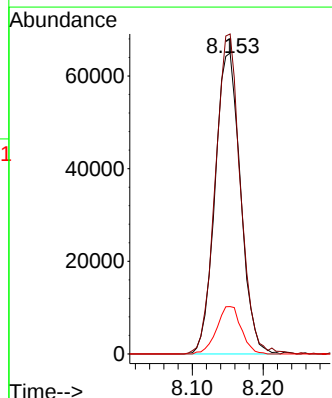
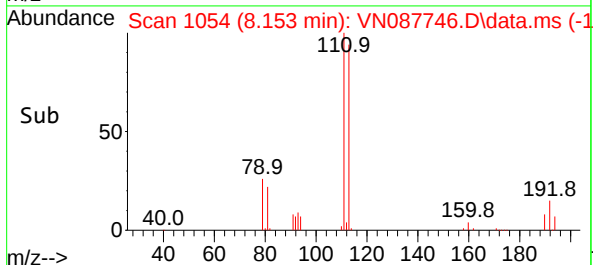
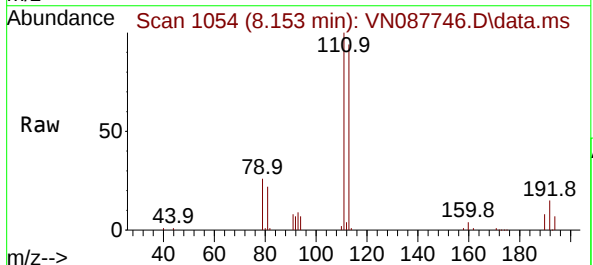


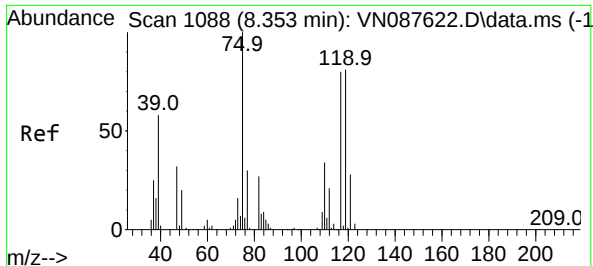
Tgt Ion:114 Resp: 442132
Ion Ratio Lower Upper
114 100
63 23.1 0.0 45.2
88 16.2 0.0 33.4



#35
Dibromofluoromethane
Concen: 50.653 ug/l
RT: 8.153 min Scan# 1054
Delta R.T. -0.000 min
Lab File: VN087746.D
Acq: 05 Sep 2025 16:48

Tgt Ion:113 Resp: 161695
Ion Ratio Lower Upper
113 100
111 104.2 82.8 124.2
192 15.2 12.8 19.2





#36

1,1-Dichloropropene

Concen: 3.826 ug/l

RT: 8.212 min Scan# 1064

Delta R.T. -0.141 min

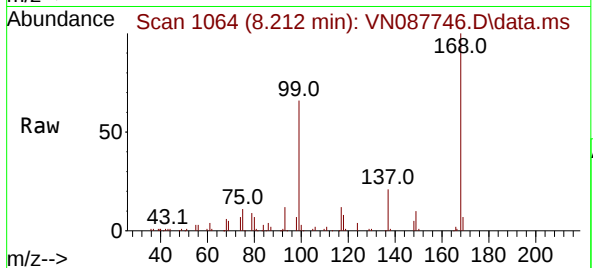
Lab File: VN087746.D

Acq: 05 Sep 2025 16:48

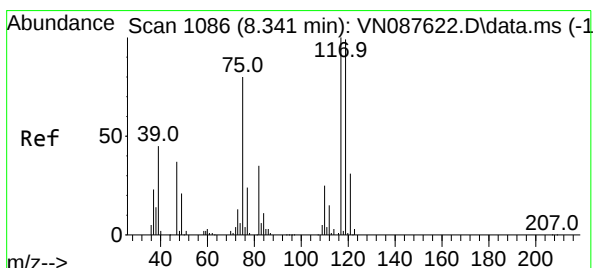
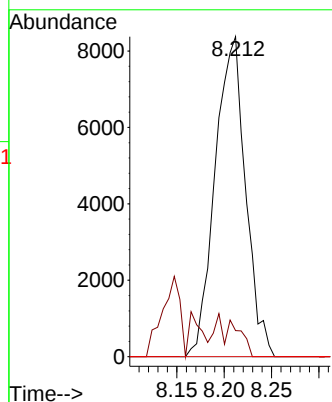
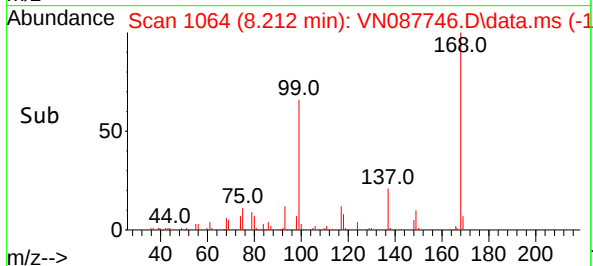
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 75	Resp: 18737
Ion Ratio	Lower Upper
75	100
110	2.2 15.9 47.6#
77	0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 4.388 ug/l

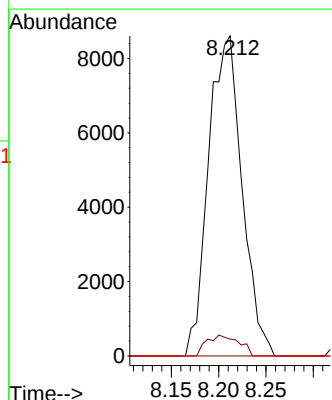
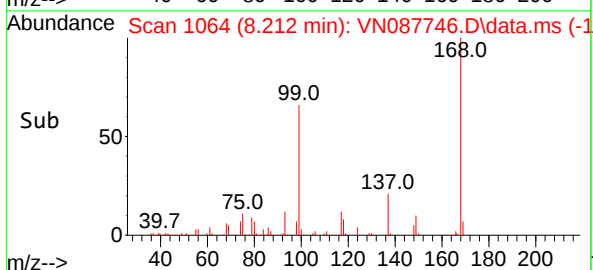
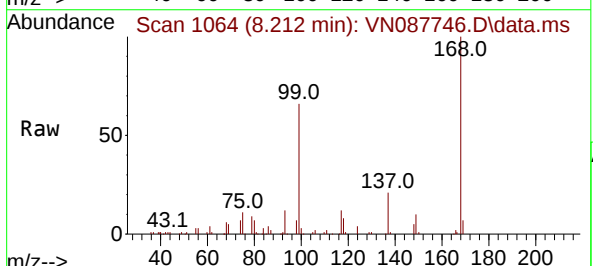
RT: 8.212 min Scan# 1064

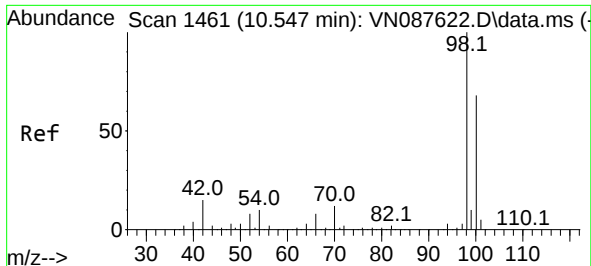
Delta R.T. -0.129 min

Lab File: VN087746.D

Acq: 05 Sep 2025 16:48

Tgt Ion: 117	Resp: 21216
Ion Ratio	Lower Upper
117	100
119	5.3 79.0 118.6#
121	0.0 25.0 37.6#

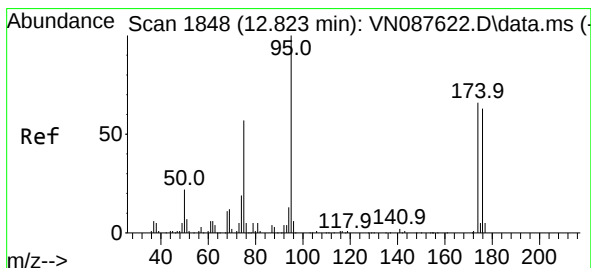
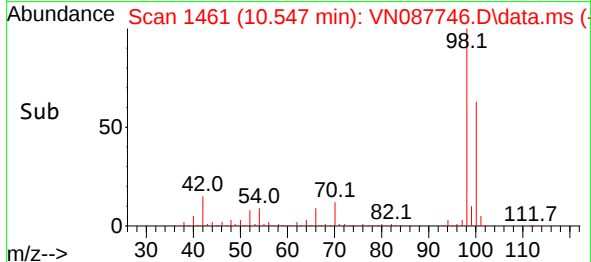
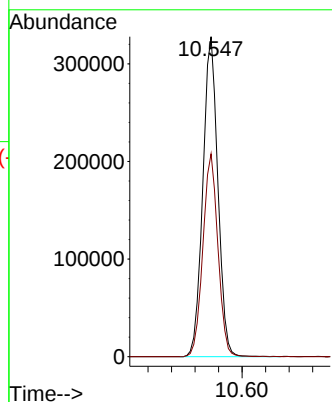
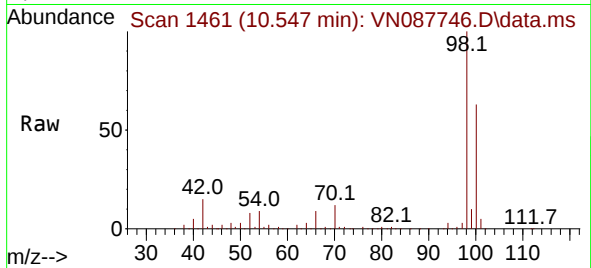




#50
Toluene-d8
Concen: 48.718 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN087746.D
Acq: 05 Sep 2025 16:48

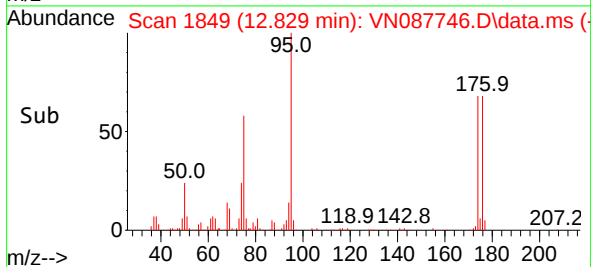
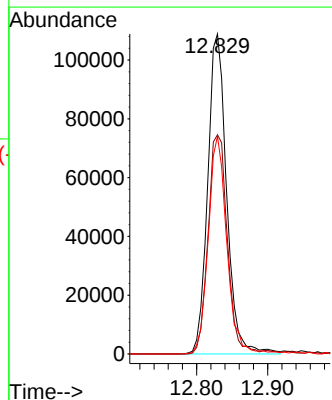
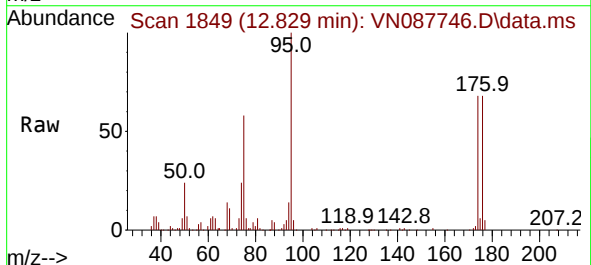
Instrument :
MSVOA_N
ClientSampleId :

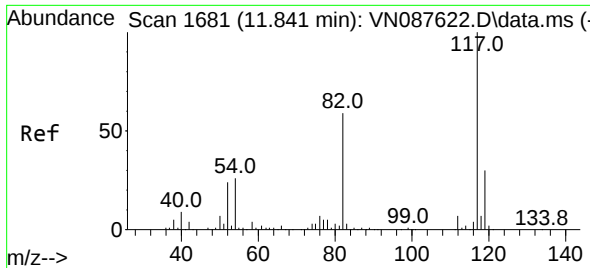
Tgt Ion: 98 Resp: 582070
Ion Ratio Lower Upper
98 100
100 63.3 52.8 79.2



#62
4-Bromofluorobenzene
Concen: 47.443 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN087746.D
Acq: 05 Sep 2025 16:48

Tgt Ion: 95 Resp: 201585
Ion Ratio Lower Upper
95 100
174 69.7 0.0 138.4
176 66.8 0.0 132.6

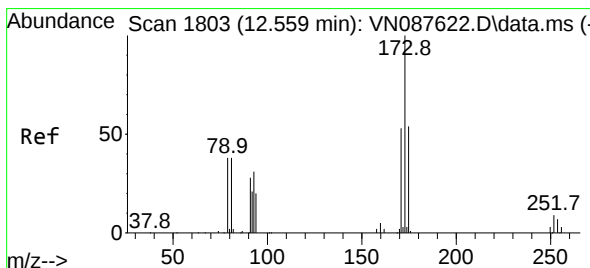
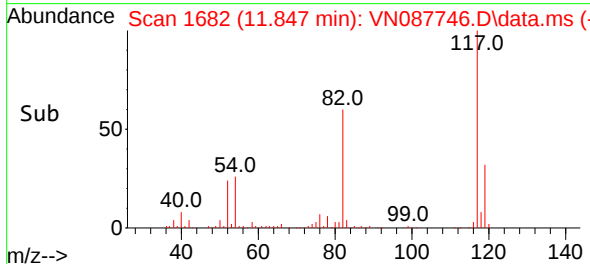
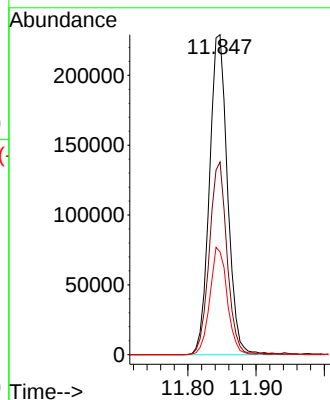
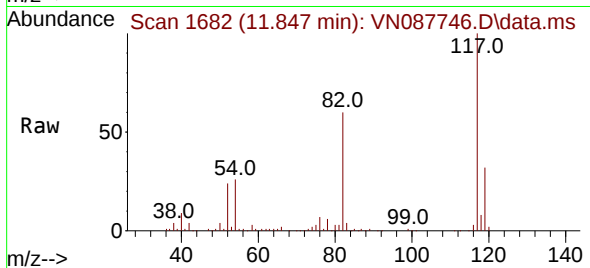




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN087746.D
Acq: 05 Sep 2025 16:48

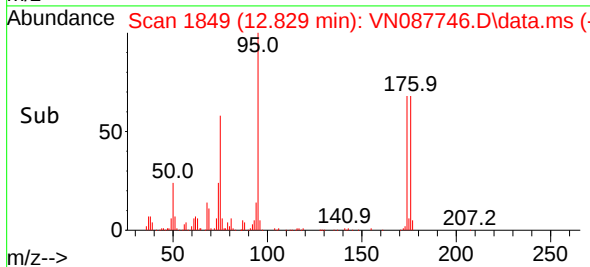
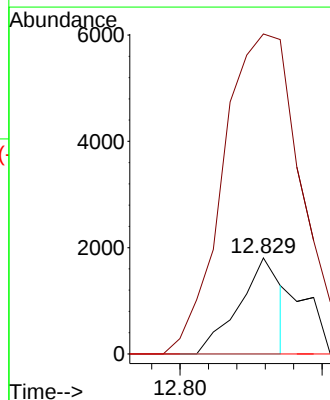
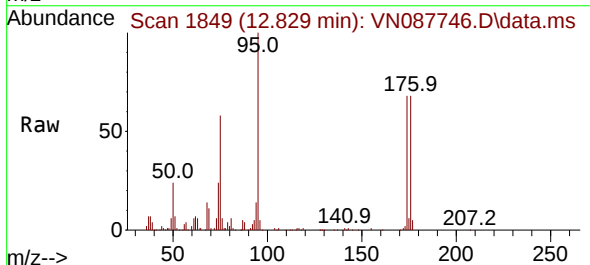
Instrument :
MSVOA_N
ClientSampleId :

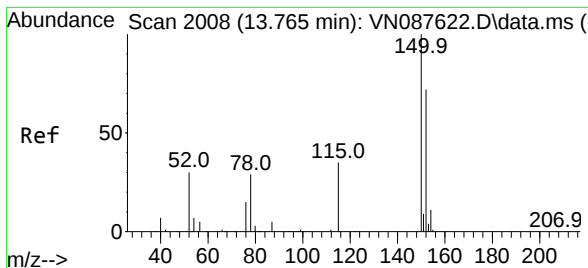
Tgt Ion:117 Resp: 422447
Ion Ratio Lower Upper
117 100
82 60.2 47.4 71.2
119 32.1 24.3 36.5



#71
Bromoform
Concen: 0.696 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.271 min
Lab File: VN087746.D
Acq: 05 Sep 2025 16:48

Tgt Ion:173 Resp: 1862
Ion Ratio Lower Upper
173 100
175 484.7 24.9 74.6#
254 0.0 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.770 min Scan# 20

Delta R.T. 0.006 min

Lab File: VN087746.D

Acq: 05 Sep 2025 16:48

Instrument :

MSVOA_N

ClientSampleId :

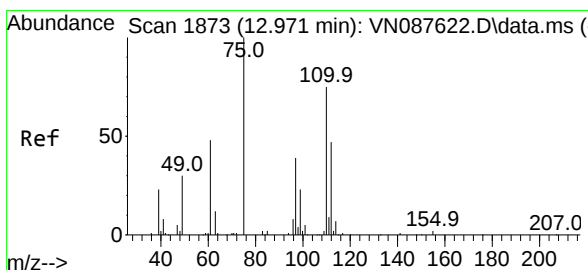
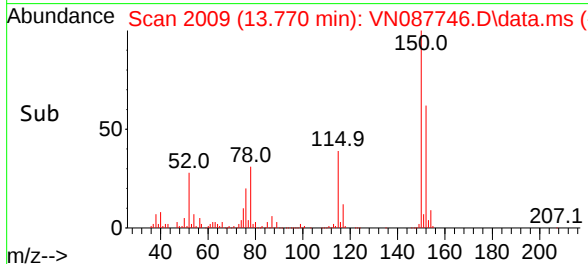
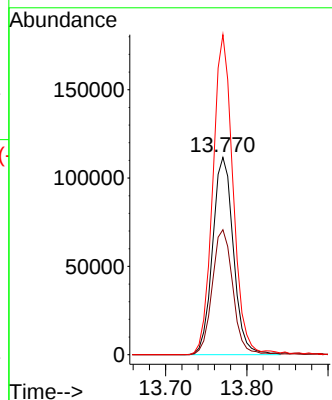
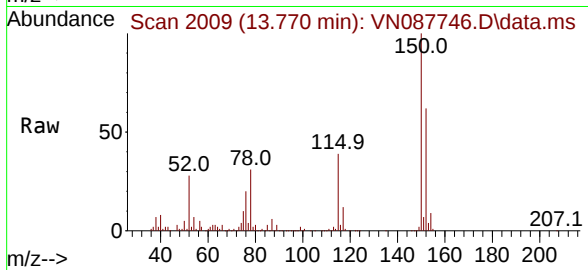
Tgt Ion:152 Resp: 199310

Ion Ratio Lower Upper

152 100

115 63.0 32.3 96.8

150 157.7 0.0 351.0



#76

1,2,3-Trichloropropane

Concen: 25.196 ug/l

RT: 12.829 min Scan# 1849

Delta R.T. -0.141 min

Lab File: VN087746.D

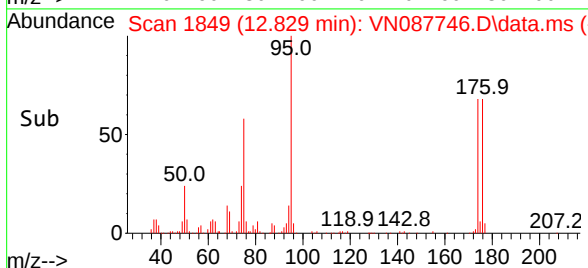
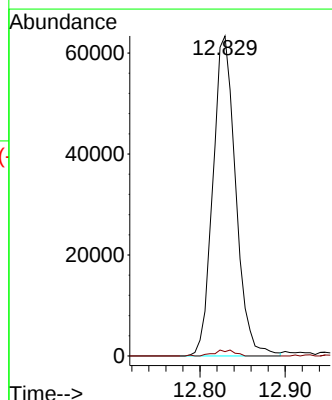
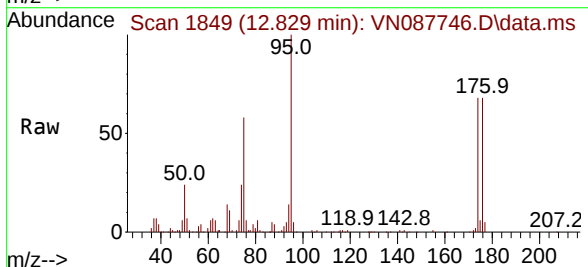
Acq: 05 Sep 2025 16:48

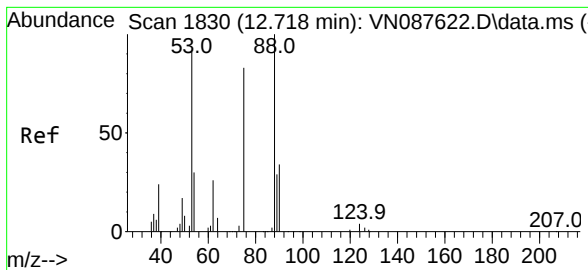
Tgt Ion: 75 Resp: 117762

Ion Ratio Lower Upper

75 100

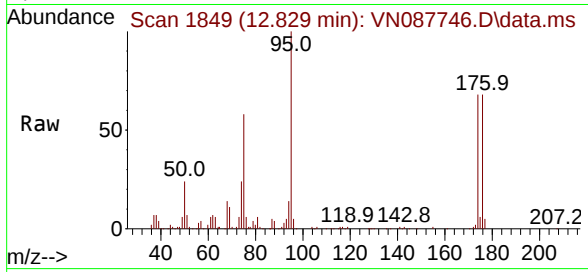
77 1.6 89.1 267.4#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 66.702 ug/l
 RT: 12.829 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN087746.D
 Acq: 05 Sep 2025 16:48

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 117762
 Ion Ratio Lower Upper
 75 100
 53 0.0 101.8 152.6#
 89 0.0 35.6 53.4#

