

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082225\
 Data File : VN087640.D
 Acq On : 22 Aug 2025 14:43
 Operator : JC\MD
 Sample : Q2936-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-19A-082125

Quant Time: Aug 25 01:21:10 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)

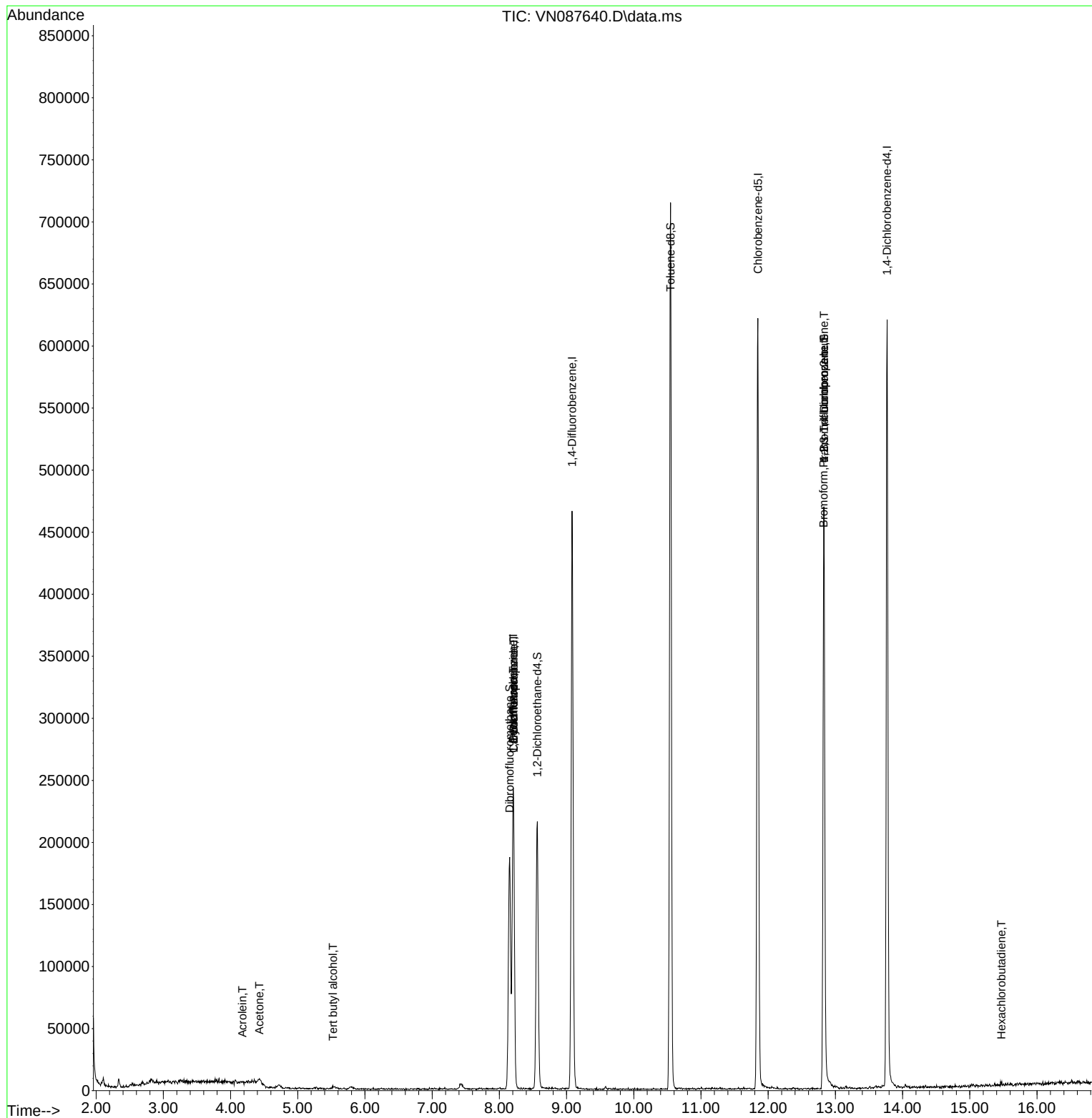
Internal Standards						
1) Pentafluorobenzene	8.206	168	163548	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	371165	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	343082	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	159682	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	178321	53.216	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 106.440%		
35) Dibromofluoromethane	8.153	113	132872	49.583	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 99.160%		
50) Toluene-d8	10.547	98	476442	47.502	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 95.000%		
62) 4-Bromofluorobenzene	12.829	95	165445	46.382	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	= 92.760%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.524	59	1806	3.105	ug/l	95
13) Acrolein	4.177	56	188	0.263	ug/l #	1
16) Acetone	4.430	43	4738	2.597	ug/l	98
20) Methylene Chloride	5.271	84	431	Below Cal	#	29
31) Cyclohexane	8.206	56	5326	1.264	ug/l #	33
36) 1,1-Dichloropropene	8.212	75	17350	4.220	ug/l #	53
38) Carbon Tetrachloride	8.212	117	18280	4.504	ug/l #	12
71) Bromoform	12.823	173	662	0.305	ug/l #	1
76) 1,2,3-Trichloropropane	12.829	75	97422	26.016	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.829	75	97422	68.876	ug/l #	1
94) Hexachlorobutadiene	15.470	225	261	0.214	ug/l #	18

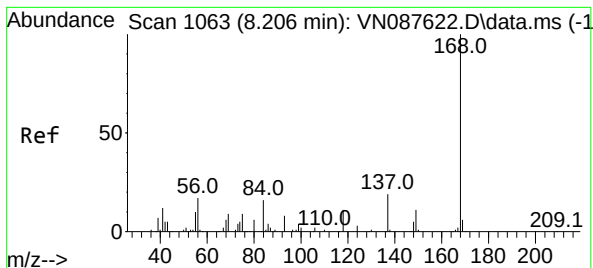
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

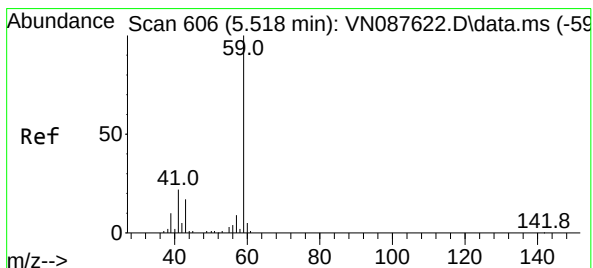
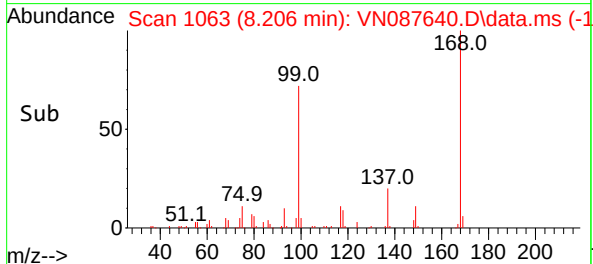
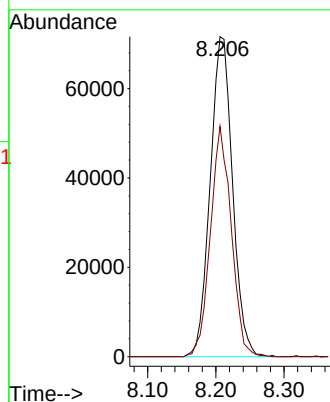
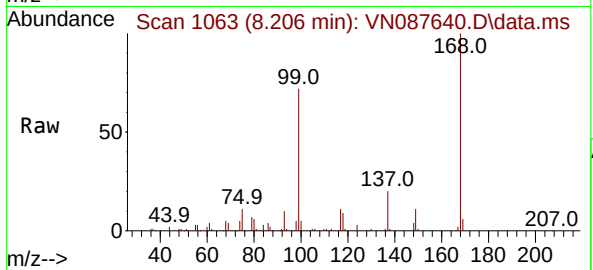




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VN087640.D
Acq: 22 Aug 2025 14:43

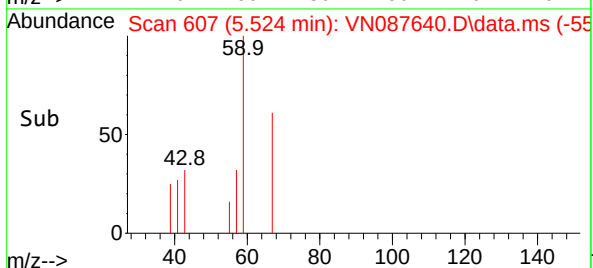
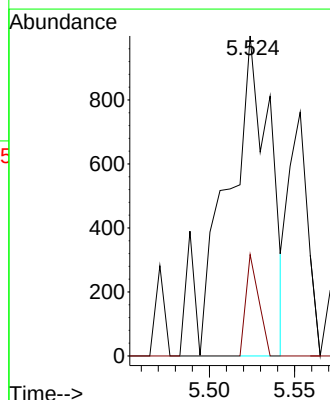
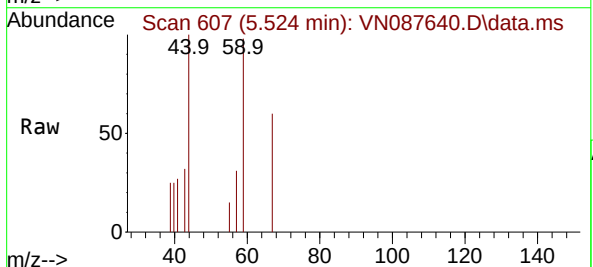
Instrument :
MSVOA_N
ClientSampleId :
MW-19A-082125

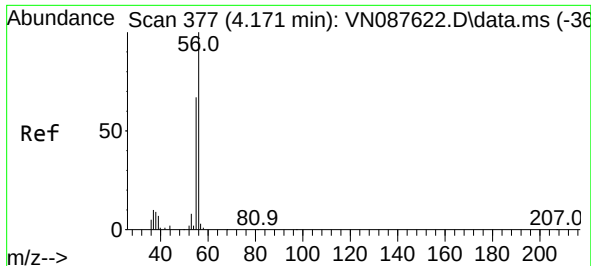
Tgt Ion:168 Resp: 163548
Ion Ratio Lower Upper
168 100
99 72.0 57.2 85.8



#11
Tert butyl alcohol
Concen: 3.105 ug/l
RT: 5.524 min Scan# 607
Delta R.T. 0.006 min
Lab File: VN087640.D
Acq: 22 Aug 2025 14:43

Tgt Ion: 59 Resp: 1806
Ion Ratio Lower Upper
59 100
57 9.2 9.0 13.4

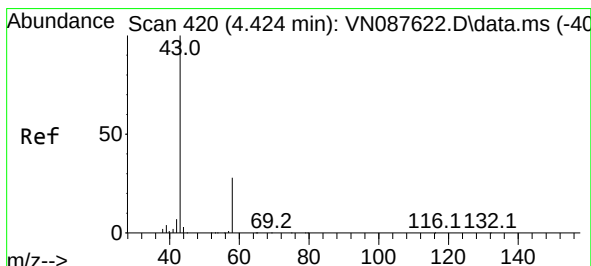
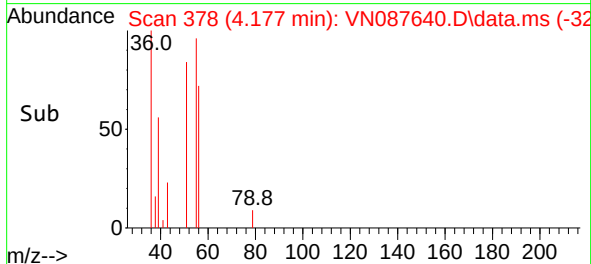
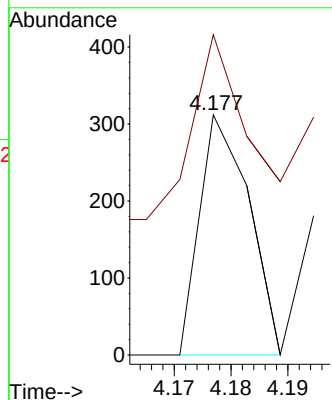
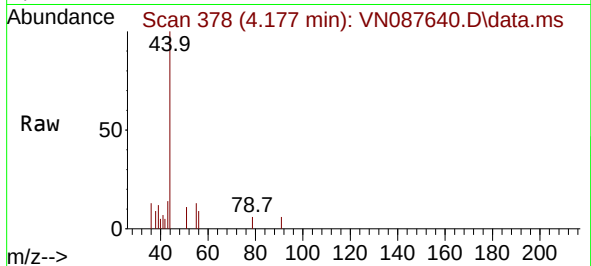




#13
Acrolein
Concen: 0.263 ug/l
RT: 4.177 min Scan# 31
Delta R.T. 0.006 min
Lab File: VN087640.D
Acq: 22 Aug 2025 14:43

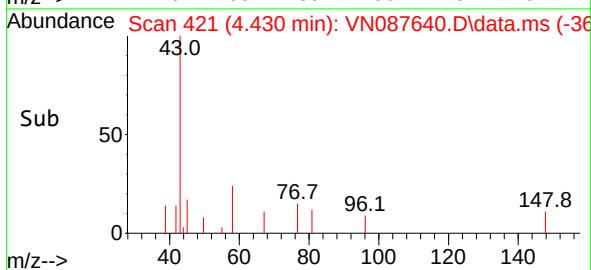
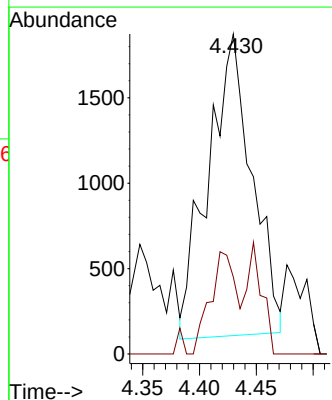
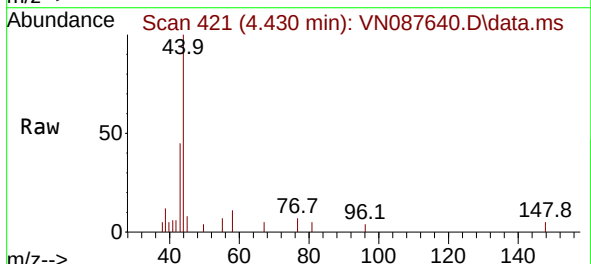
Instrument :
MSVOA_N
ClientSampleId :
MW-19A-082125

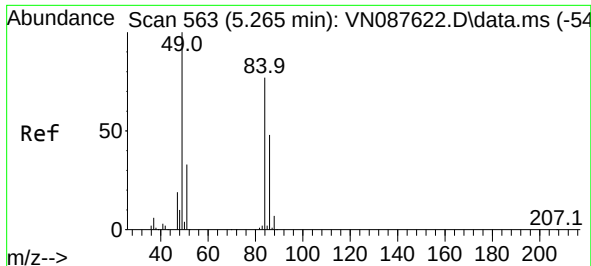
Tgt Ion: 56 Resp: 188
Ion Ratio Lower Upper
56 100
55 377.1 57.3 85.9#



#16
Acetone
Concen: 2.597 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN087640.D
Acq: 22 Aug 2025 14:43

Tgt Ion: 43 Resp: 4738
Ion Ratio Lower Upper
43 100
58 27.1 22.6 33.8

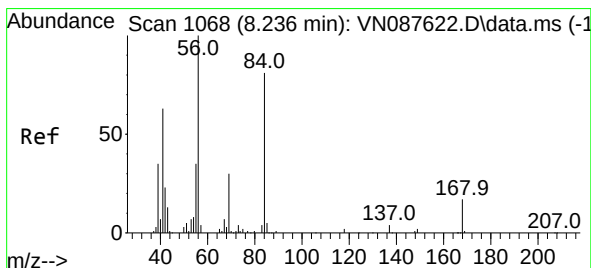
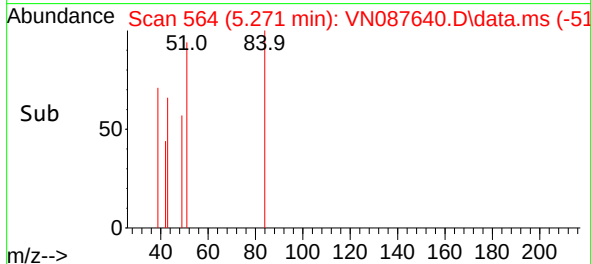
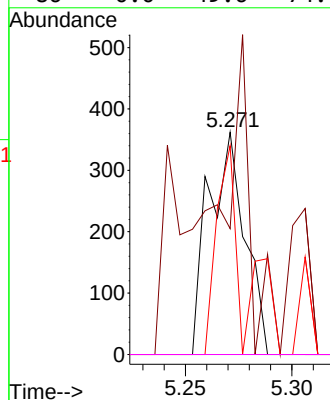
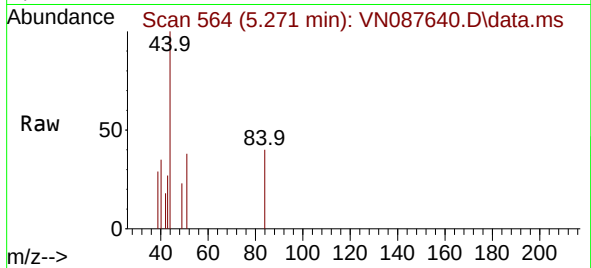




#20
Methylene Chloride
Concen: Below Cal
RT: 5.271 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN087640.D
Acq: 22 Aug 2025 14:43

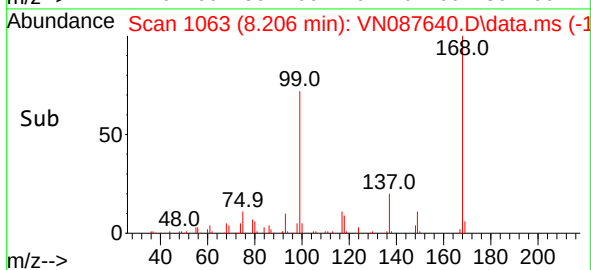
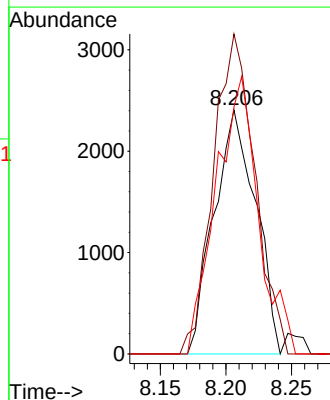
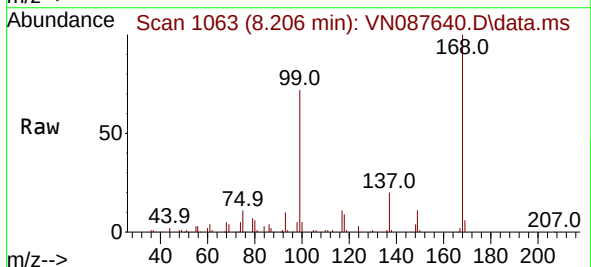
Instrument :
MSVOA_N
ClientSampleId :
MW-19A-082125

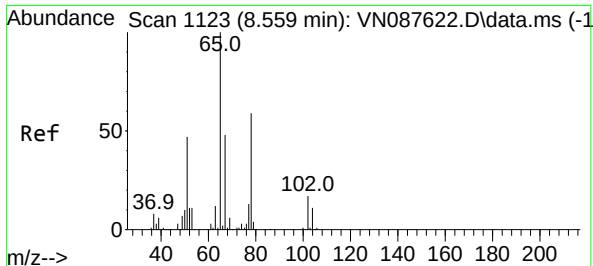
Tgt Ion:	84	Resp:	431
Ion	Ratio	Lower	Upper
84	100		
49	56.6	103.4	155.2#
51	93.9	33.8	50.8#
86	0.0	49.6	74.4#



#31
Cyclohexane
Concen: 1.264 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.030 min
Lab File: VN087640.D
Acq: 22 Aug 2025 14:43

Tgt Ion:	56	Resp:	5326
Ion	Ratio	Lower	Upper
56	100		
69	131.2	23.7	35.5#
84	101.2	64.7	97.1#





#33

1,2-Dichloroethane-d4

Concen: 53.216 ug/l

RT: 8.565 min Scan# 1123

Delta R.T. 0.006 min

Lab File: VN087640.D

Acq: 22 Aug 2025 14:43

Instrument :

MSVOA_N

ClientSampleId :

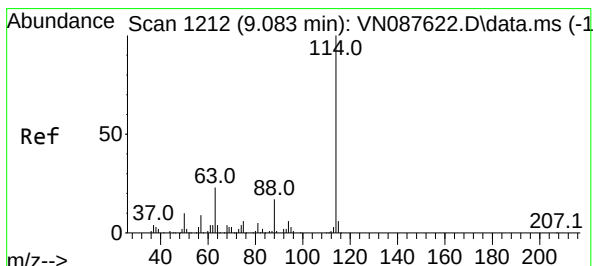
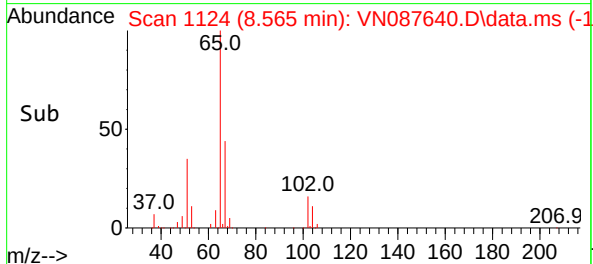
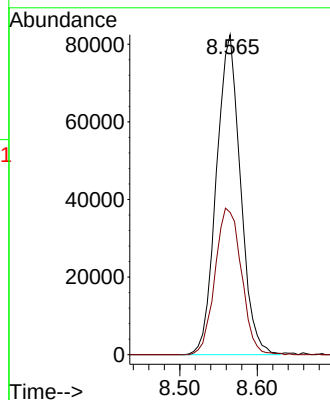
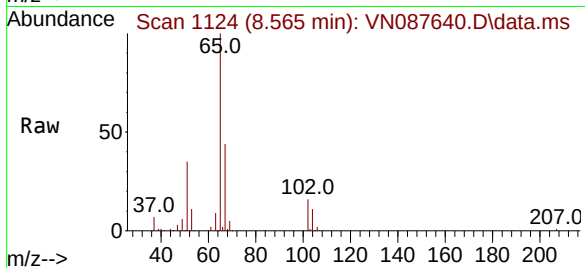
MW-19A-082125

Tgt Ion: 65 Resp: 178321

Ion Ratio Lower Upper

65 100

67 50.1 0.0 100.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.082 min Scan# 1212

Delta R.T. -0.000 min

Lab File: VN087640.D

Acq: 22 Aug 2025 14:43

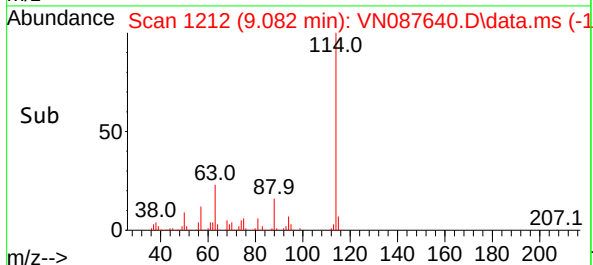
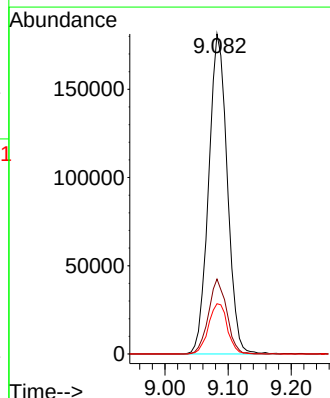
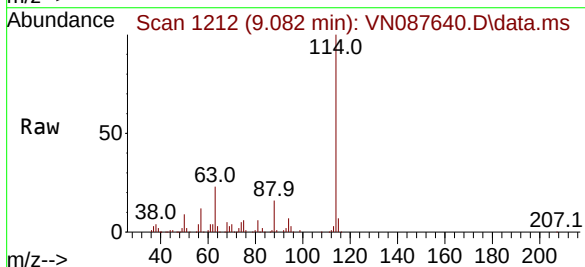
Tgt Ion: 114 Resp: 371165

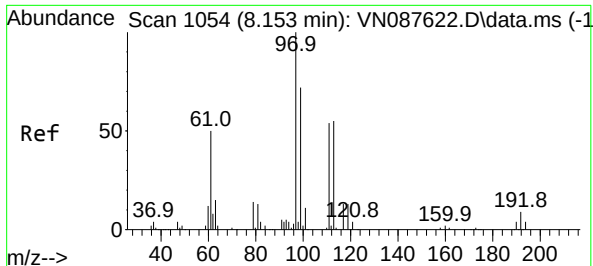
Ion Ratio Lower Upper

114 100

63 23.4 0.0 45.2

88 15.7 0.0 33.4





#35

Dibromofluoromethane

Concen: 49.583 ug/l

RT: 8.153 min Scan# 1054

Delta R.T. -0.000 min

Lab File: VN087640.D

Acq: 22 Aug 2025 14:43

Instrument :

MSVOA_N

ClientSampleId :

MW-19A-082125

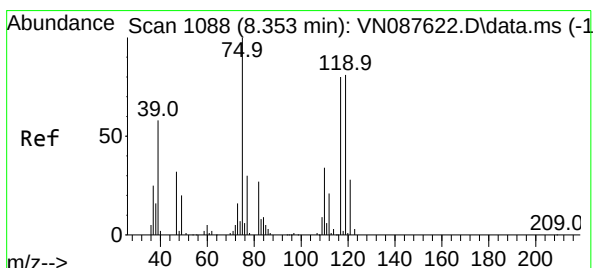
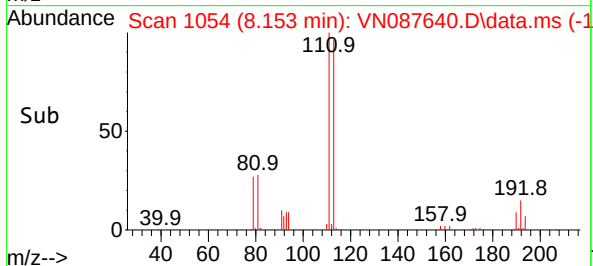
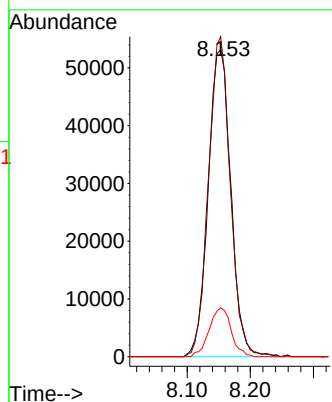
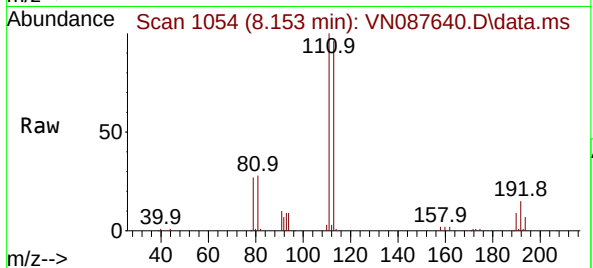
Tgt Ion:113 Resp: 132872

Ion Ratio Lower Upper

113 100

111 100.1 82.8 124.2

192 15.4 12.8 19.2



#36

1,1-Dichloropropene

Concen: 4.220 ug/l

RT: 8.212 min Scan# 1064

Delta R.T. -0.141 min

Lab File: VN087640.D

Acq: 22 Aug 2025 14:43

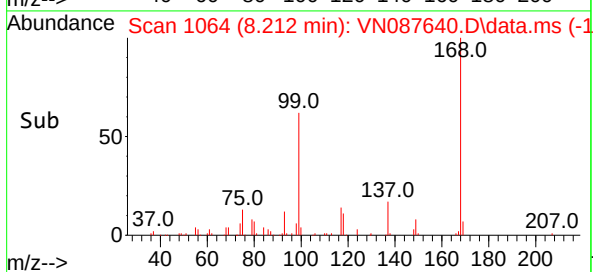
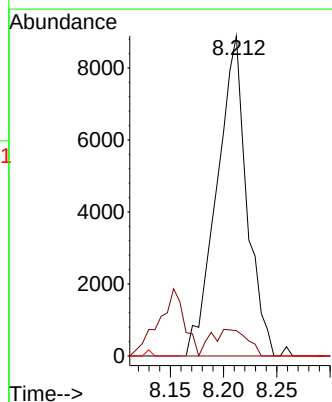
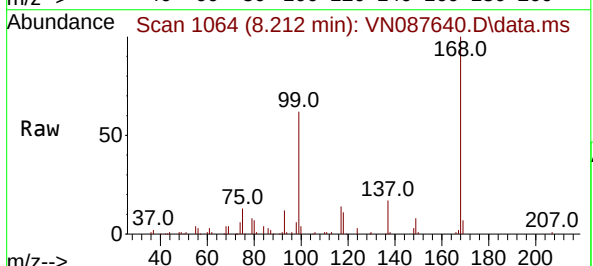
Tgt Ion: 75 Resp: 17350

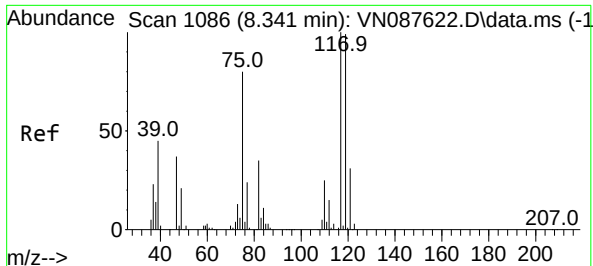
Ion Ratio Lower Upper

75 100

110 10.0 15.9 47.6#

77 0.0 24.4 36.6#

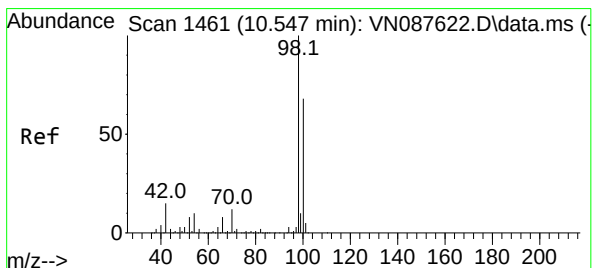
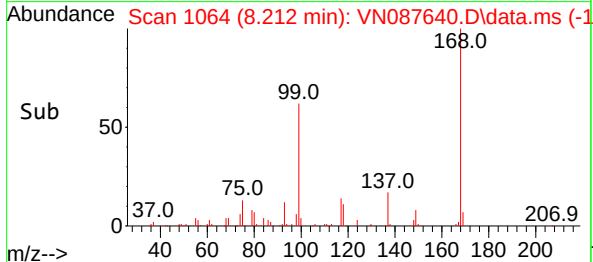
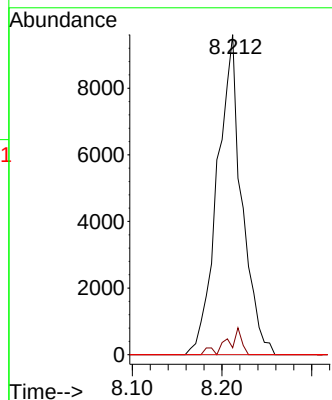
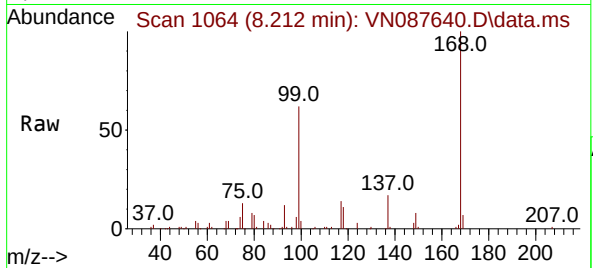




#38
Carbon Tetrachloride
Concen: 4.504 ug/l
RT: 8.212 min Scan# 1064
Delta R.T. -0.130 min
Lab File: VN087640.D
Acq: 22 Aug 2025 14:43

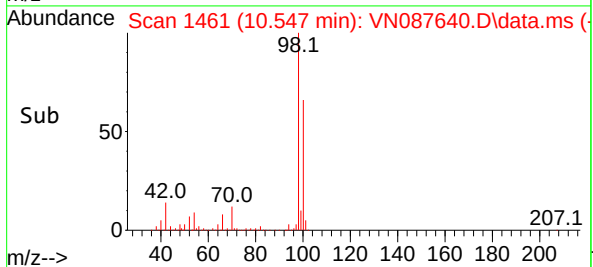
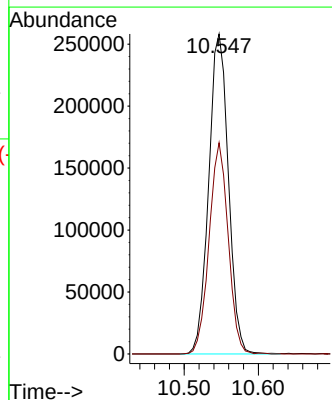
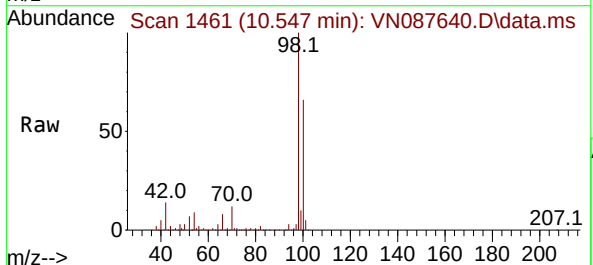
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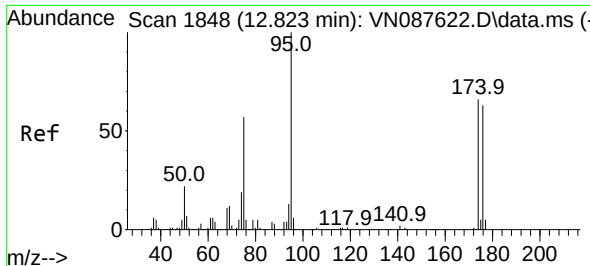
Tgt Ion:117 Resp: 18280
Ion Ratio Lower Upper
117 100
119 2.1 79.0 118.6#
121 0.0 25.0 37.6#



#50
Toluene-d8
Concen: 47.502 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN087640.D
Acq: 22 Aug 2025 14:43

Tgt Ion: 98 Resp: 476442
Ion Ratio Lower Upper
98 100
100 63.9 52.8 79.2

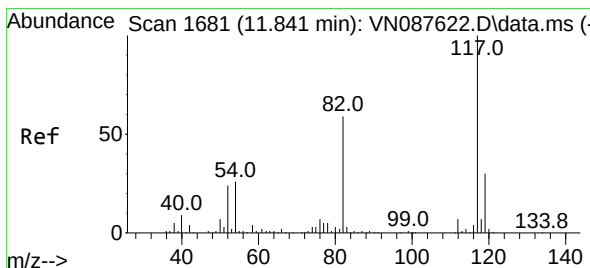
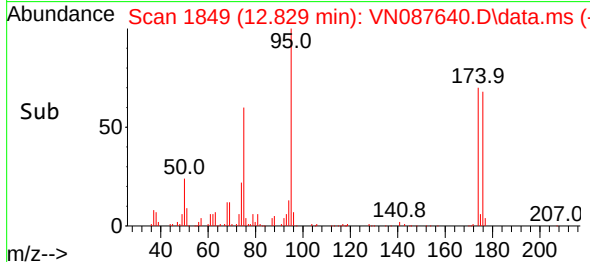
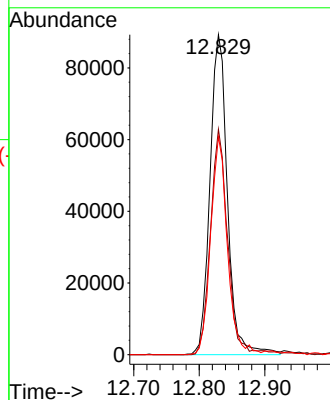
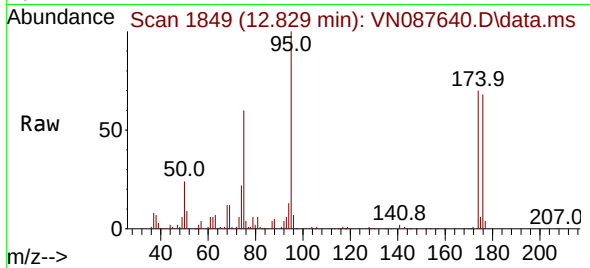




#62
4-Bromofluorobenzene
Concen: 46.382 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN087640.D
Acq: 22 Aug 2025 14:43

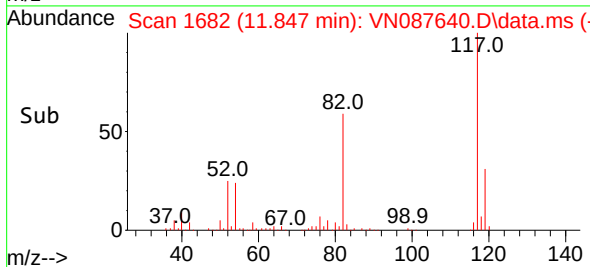
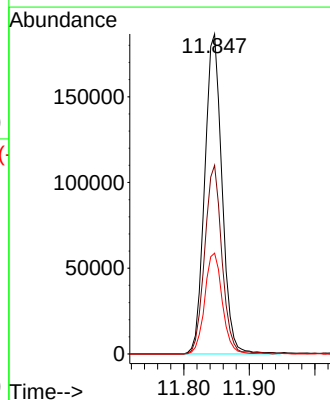
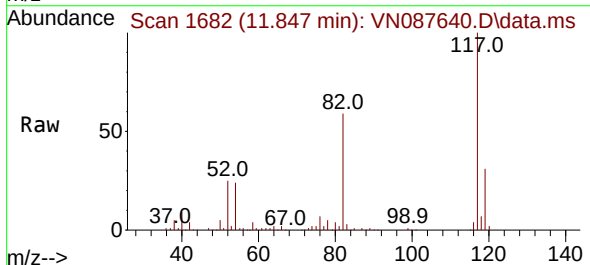
Instrument :
MSVOA_N
ClientSampleId :
MW-19A-082125

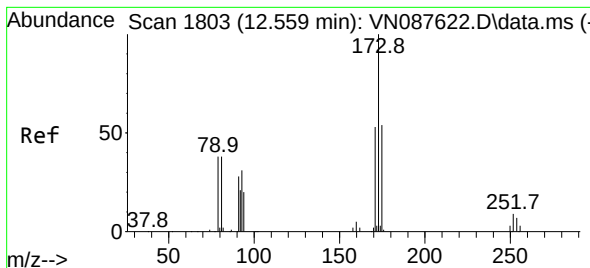
Tgt Ion: 95 Resp: 165445
Ion Ratio Lower Upper
95 100
174 69.8 0.0 138.4
176 65.1 0.0 132.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 1682
Delta R.T. 0.006 min
Lab File: VN087640.D
Acq: 22 Aug 2025 14:43

Tgt Ion: 117 Resp: 343082
Ion Ratio Lower Upper
117 100
82 58.9 47.4 71.2
119 31.5 24.3 36.5





#71

Bromoform

Concen: 0.305 ug/l

RT: 12.823 min Scan# 11

Delta R.T. 0.265 min

Lab File: VN087640.D

Acq: 22 Aug 2025 14:43

Instrument :

MSVOA_N

ClientSampleId :

MW-19A-082125

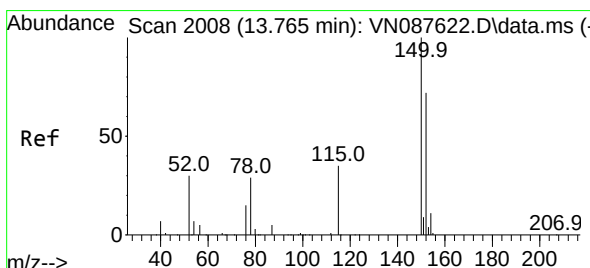
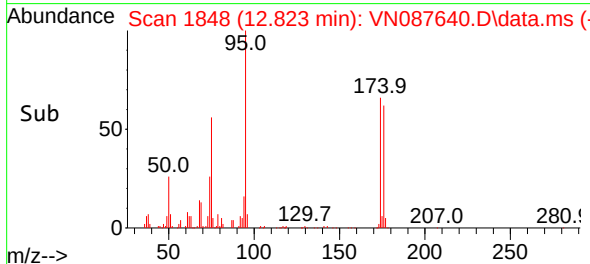
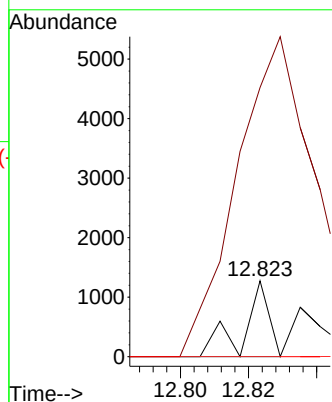
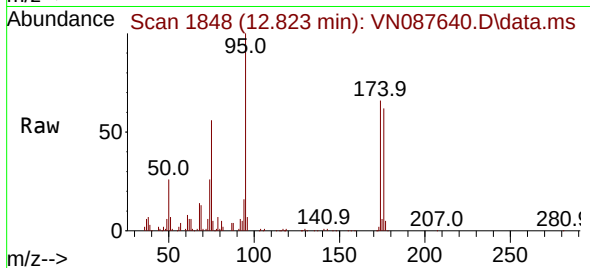
Tgt Ion:173 Resp: 662

Ion Ratio Lower Upper

173 100

175 1045.2 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# 2009

Delta R.T. 0.006 min

Lab File: VN087640.D

Acq: 22 Aug 2025 14:43

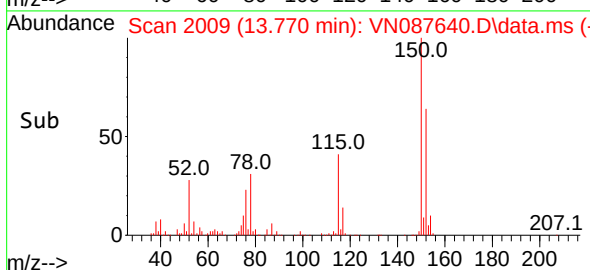
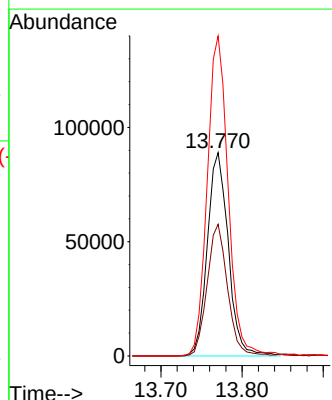
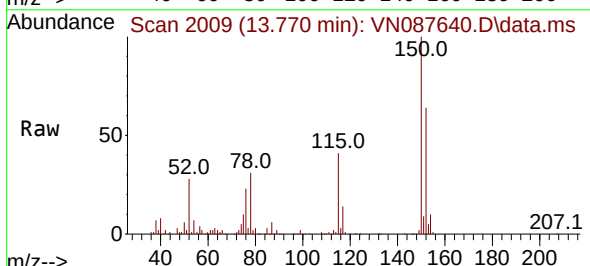
Tgt Ion:152 Resp: 159682

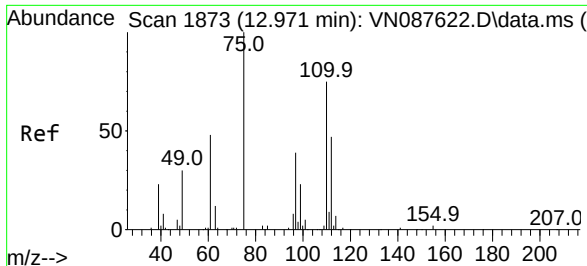
Ion Ratio Lower Upper

152 100

115 63.0 32.3 96.8

150 156.9 0.0 351.0

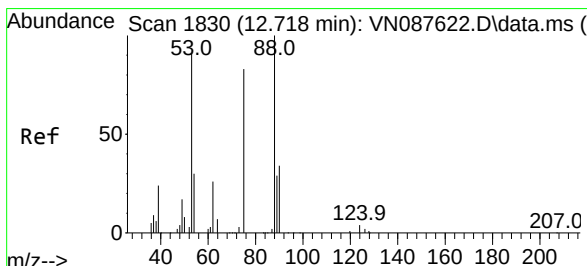
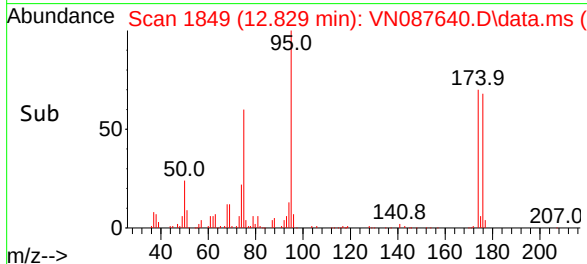
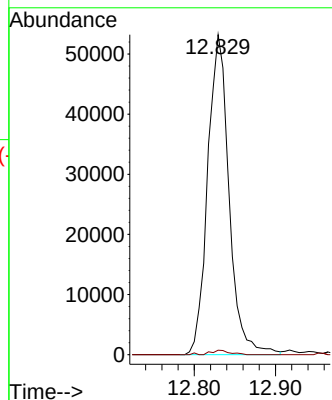
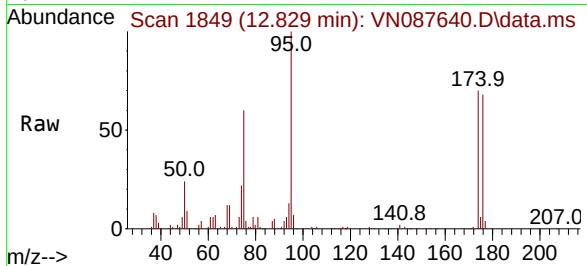




#76
1,2,3-Trichloropropane
Concen: 26.016 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. -0.141 min
Lab File: VN087640.D
Acq: 22 Aug 2025 14:43

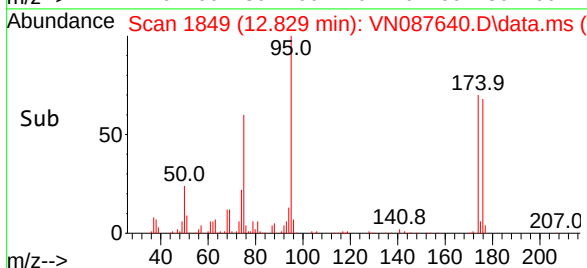
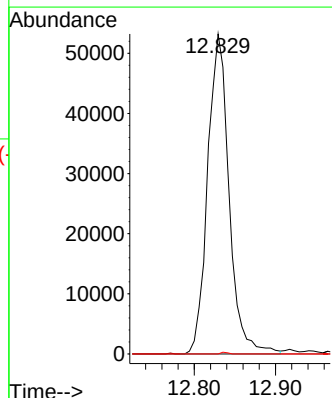
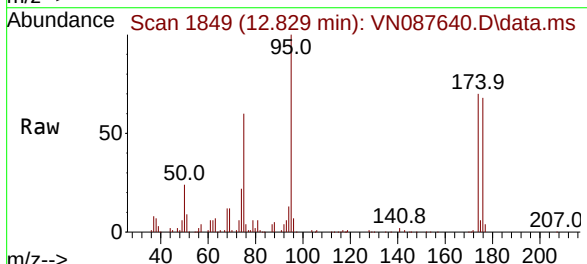
Instrument :
MSVOA_N
ClientSampleId :
MW-19A-082125

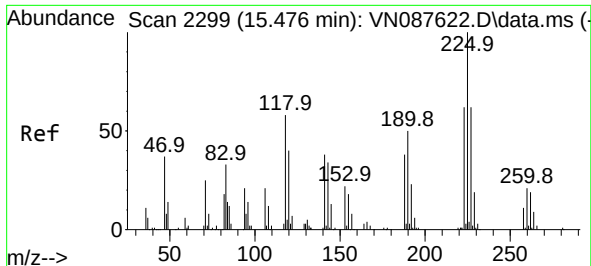
Tgt Ion: 75 Resp: 97422
Ion Ratio Lower Upper
75 100
77 1.2 89.1 267.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 68.876 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.112 min
Lab File: VN087640.D
Acq: 22 Aug 2025 14:43

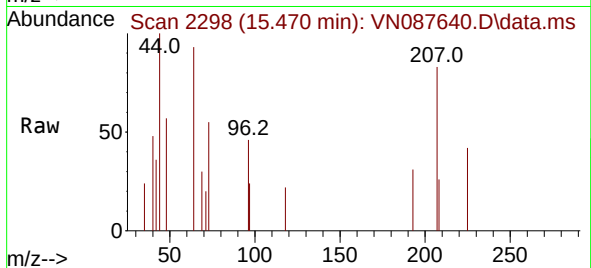
Tgt Ion: 75 Resp: 97422
Ion Ratio Lower Upper
75 100
53 0.0 101.8 152.6#
89 0.2 35.6 53.4#





#94
 Hexachlorobutadiene
 Concen: 0.214 ug/l
 RT: 15.470 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VN087640.D
 Acq: 22 Aug 2025 14:43

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-19A-082125



Tgt Ion:	225	Resp:	261
Ion	Ratio	Lower	Upper
225	100		
223	0.0	32.0	96.2#
227	0.0	32.1	96.5#

