

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082625\
 Data File : VN087670.D
 Acq On : 26 Aug 2025 15:08
 Operator : JC\MD
 Sample : VN0826WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0826WBL01

Quant Time: Aug 27 01:48:09 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)

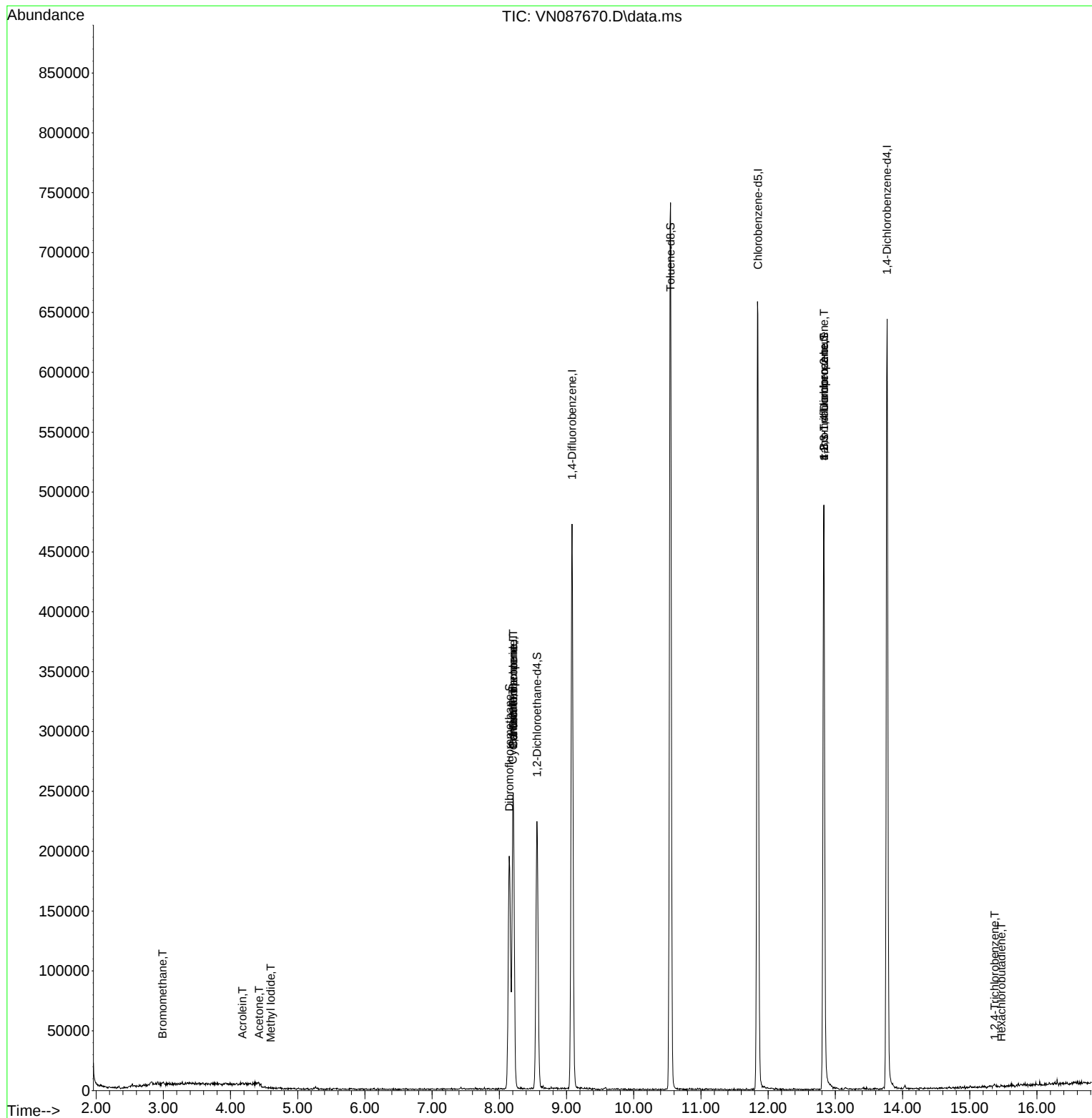
Internal Standards						
1) Pentafluorobenzene	8.206	168	165274	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	380815	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	356736	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.771	152	161997	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	184960	54.621	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 109.240%			
35) Dibromofluoromethane	8.147	113	139352	50.683	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.360%			
50) Toluene-d8	10.547	98	497036	48.299	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 96.600%			
62) 4-Bromofluorobenzene	12.829	95	170061	46.468	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 92.940%			
Target Compounds						
					Qvalue	
5) Bromomethane	2.989	94	782	0.542	ug/l #	59
10) Methyl Iodide	4.601	142	150	6.885	ug/l #	38
13) Acrolein	4.177	56	333	0.461	ug/l #	76
16) Acetone	4.424	43	1092	0.592	ug/l	91
20) Methylene Chloride	5.265	84	923	Below Cal	#	61
31) Cyclohexane	8.200	56	5863	1.377	ug/l #	32
36) 1,1-Dichloropropene	8.206	75	16501	3.912	ug/l #	53
38) Carbon Tetrachloride	8.206	117	18437	4.427	ug/l #	15
76) 1,2,3-Trichloropropane	12.829	75	100603	26.482	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.829	75	100603	70.108	ug/l #	1
93) 1,2,4-Trichlorobenzene	15.370	180	814	0.235	ug/l #	41
94) Hexachlorobutadiene	15.470	225	312	0.253	ug/l #	18

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

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Quant Title : SW846 8260
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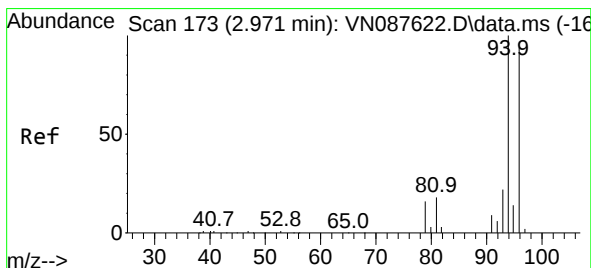
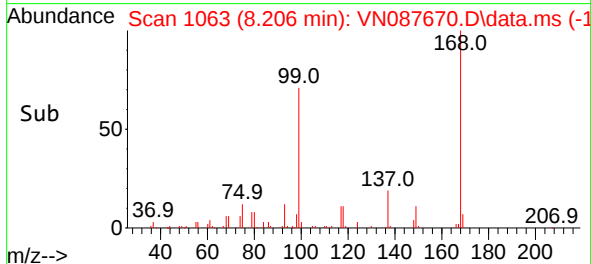
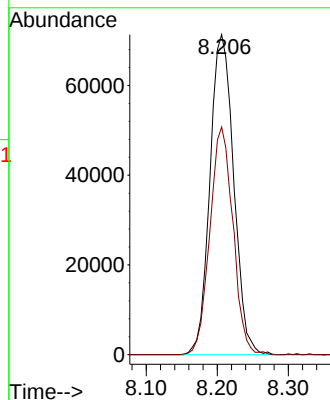
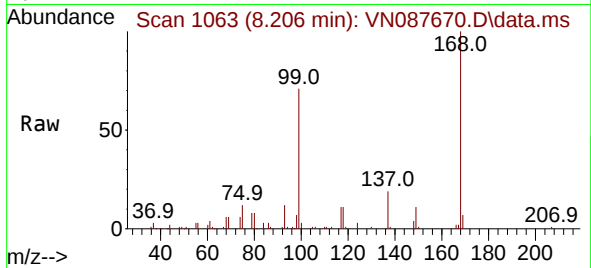




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN087670.D
Acq: 26 Aug 2025 15:08

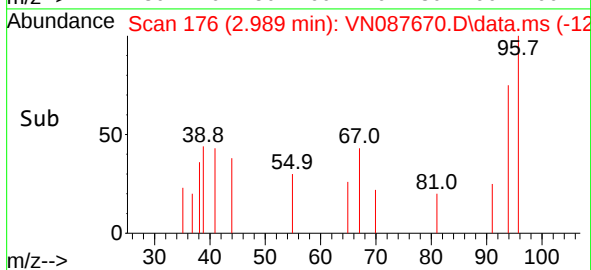
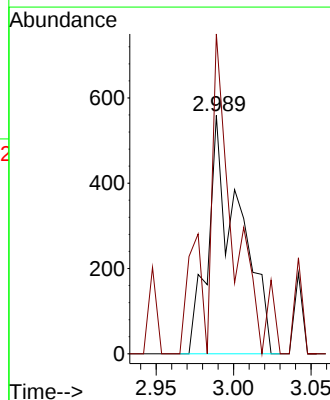
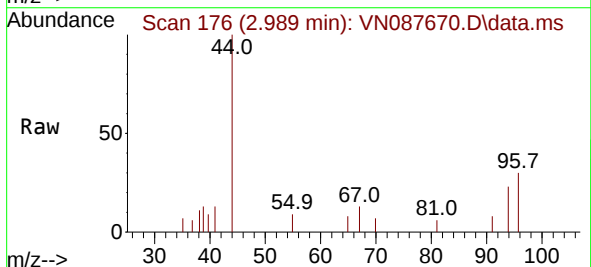
Instrument :
MSVOA_N
ClientSampleId :
VN0826WBL01

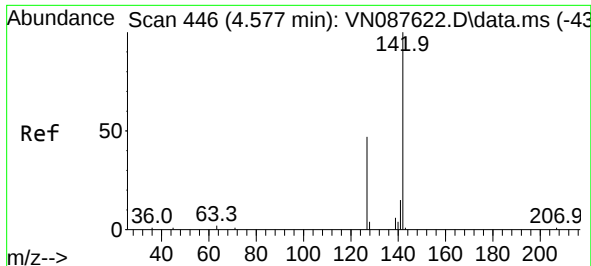
Tgt Ion:168 Resp: 165274
Ion Ratio Lower Upper
168 100
99 71.2 57.2 85.8



#5
Bromomethane
Concen: 0.542 ug/l
RT: 2.989 min Scan# 176
Delta R.T. 0.018 min
Lab File: VN087670.D
Acq: 26 Aug 2025 15:08

Tgt Ion: 94 Resp: 782
Ion Ratio Lower Upper
94 100
96 134.2 75.4 113.2#

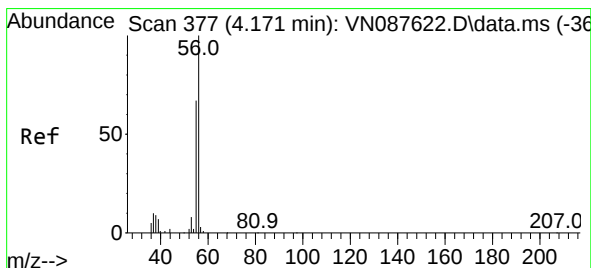
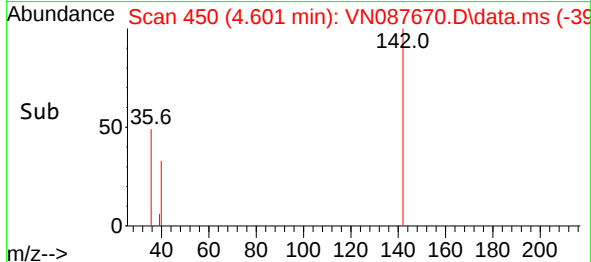
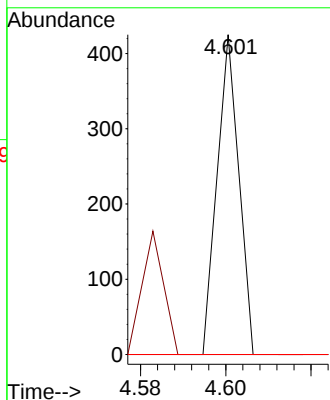
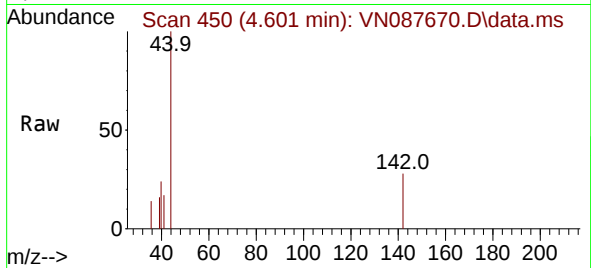




#10
Methyl Iodide
Concen: 6.885 ug/l
RT: 4.601 min Scan# 41
Delta R.T. 0.024 min
Lab File: VN087670.D
Acq: 26 Aug 2025 15:08

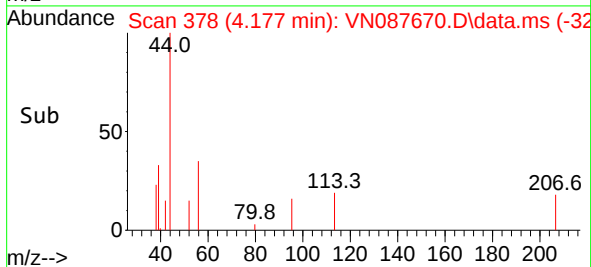
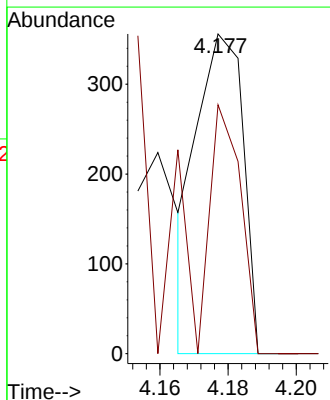
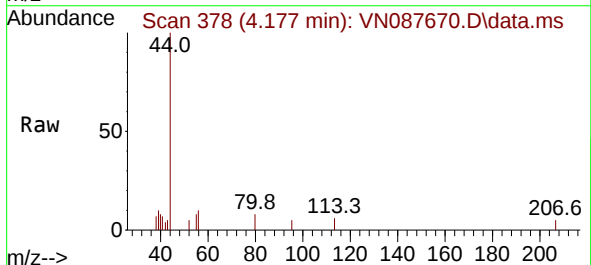
Instrument :
MSVOA_N
ClientSampleId :
VN0826WBL01

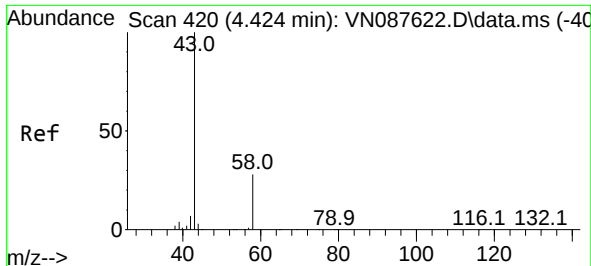
Tgt Ion:142 Resp: 150
Ion Ratio Lower Upper
142 100
127 0.0 38.0 57.0#
141 0.0 12.0 18.0#



#13
Acrolein
Concen: 0.461 ug/l
RT: 4.177 min Scan# 378
Delta R.T. 0.006 min
Lab File: VN087670.D
Acq: 26 Aug 2025 15:08

Tgt Ion: 56 Resp: 333
Ion Ratio Lower Upper
56 100
55 52.0 57.3 85.9#

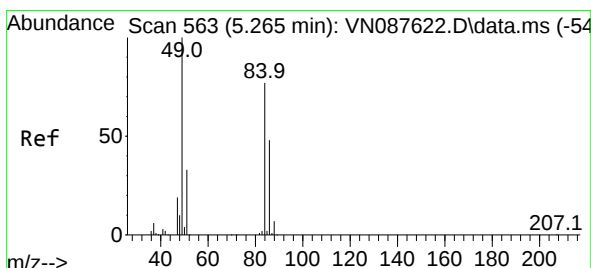
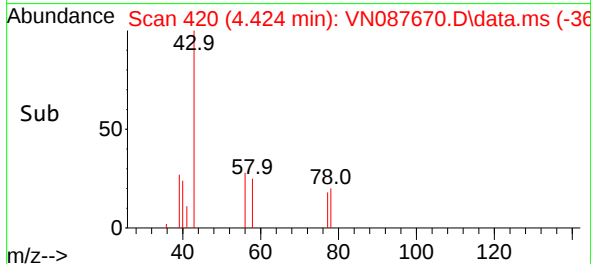
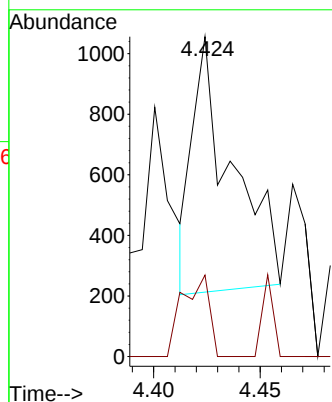
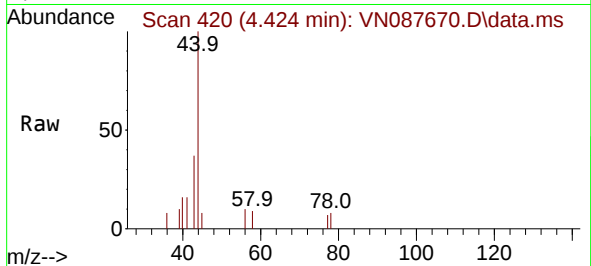




#16
Acetone
Concen: 0.592 ug/l
RT: 4.424 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN087670.D
Acq: 26 Aug 2025 15:08

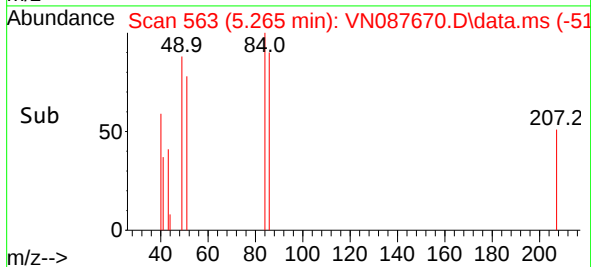
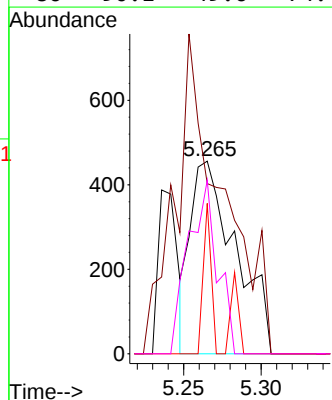
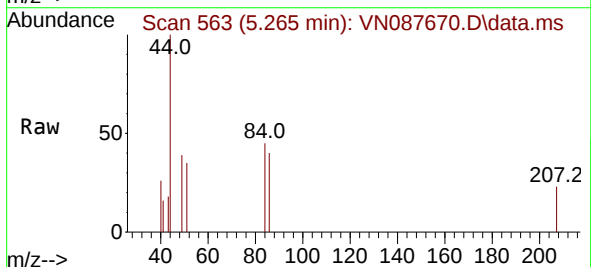
Instrument :
MSVOA_N
ClientSampleId :
VN0826WBL01

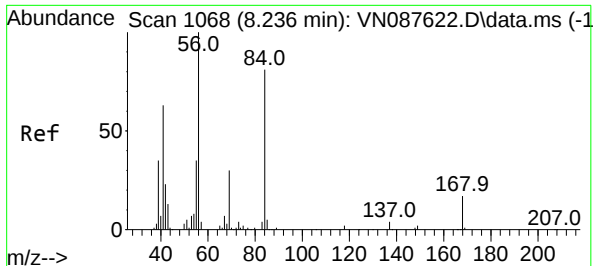
Tgt Ion: 43 Resp: 1092
Ion Ratio Lower Upper
43 100
58 32.9 22.6 33.8



#20
Methylene Chloride
Concen: Below Cal
RT: 5.265 min Scan# 563
Delta R.T. 0.000 min
Lab File: VN087670.D
Acq: 26 Aug 2025 15:08

Tgt Ion: 84 Resp: 923
Ion Ratio Lower Upper
84 100
49 88.4 103.4 155.2#
51 78.1 33.8 50.8#
86 90.1 49.6 74.4#

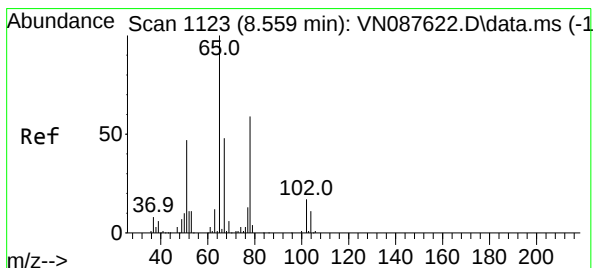
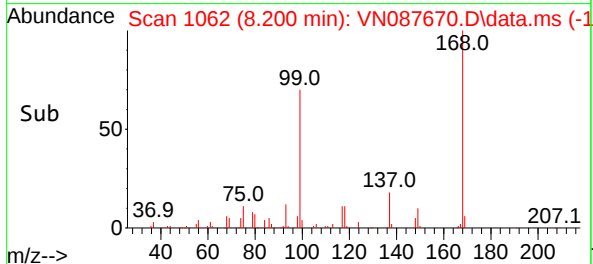
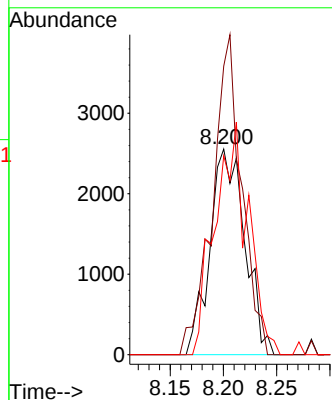
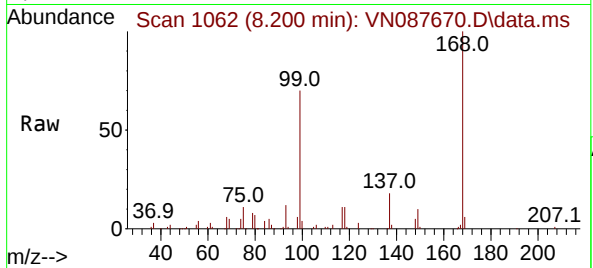




#31
Cyclohexane
Concen: 1.377 ug/l
RT: 8.200 min Scan# 1062
Delta R.T. -0.035 min
Lab File: VN087670.D
Acq: 26 Aug 2025 15:08

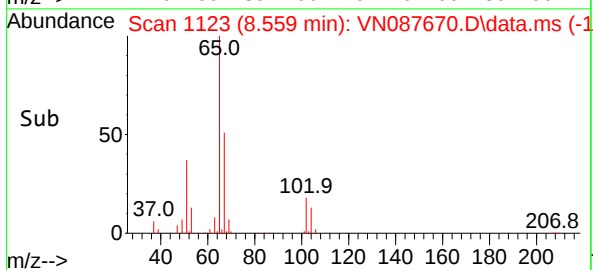
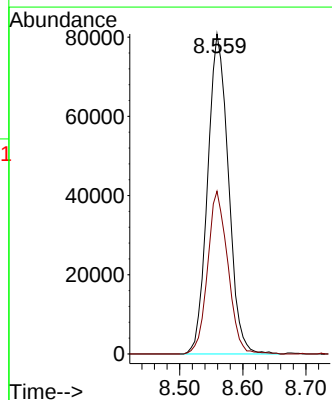
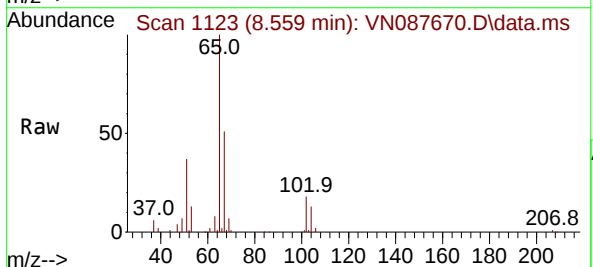
Instrument :
MSVOA_N
ClientSampleId :
VN0826WBL01

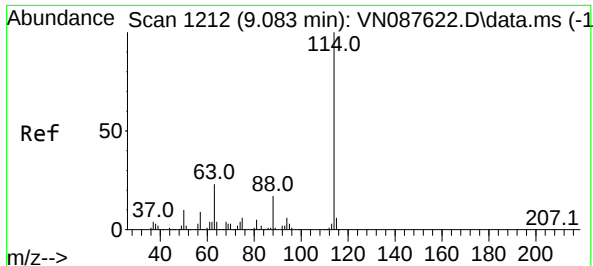
Tgt Ion: 56 Resp: 5863
Ion Ratio Lower Upper
56 100
69 140.4 23.7 35.5#
84 96.8 64.7 97.1



#33
1,2-Dichloroethane-d4
Concen: 54.621 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. 0.000 min
Lab File: VN087670.D
Acq: 26 Aug 2025 15:08

Tgt Ion: 65 Resp: 184960
Ion Ratio Lower Upper
65 100
67 49.6 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: VN087670.D

Acq: 26 Aug 2025 15:08

Instrument :

MSVOA_N

ClientSampleId :

VN0826WBL01

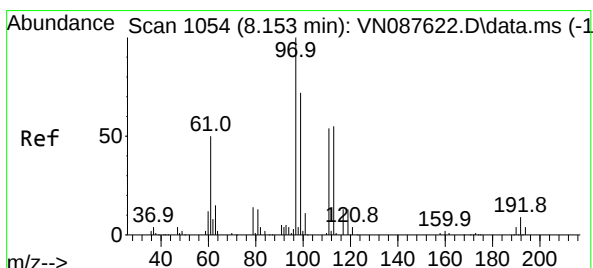
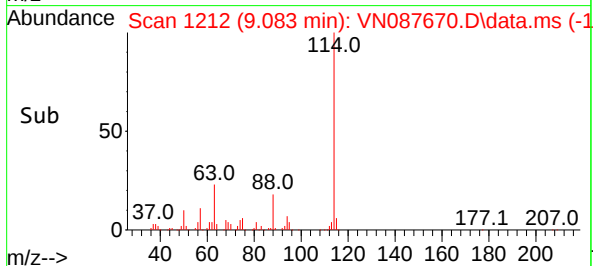
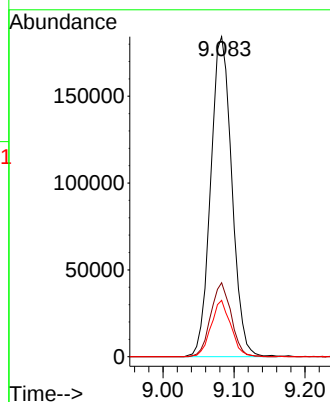
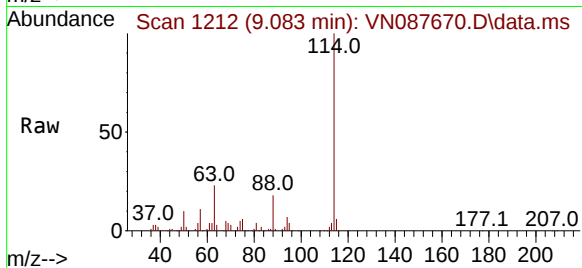
Tgt Ion:114 Resp: 380815

Ion Ratio Lower Upper

114 100

63 23.1 0.0 45.2

88 17.6 0.0 33.4



#35

Dibromofluoromethane

Concen: 50.683 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. -0.006 min

Lab File: VN087670.D

Acq: 26 Aug 2025 15:08

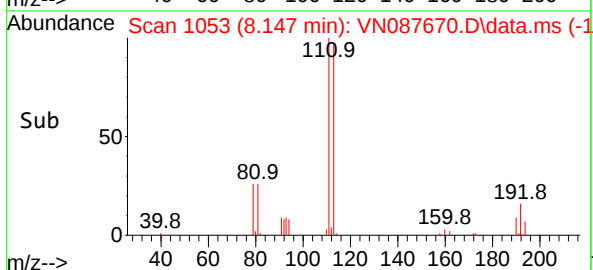
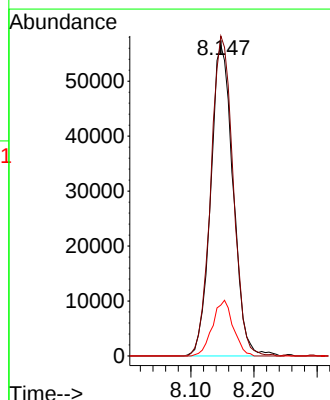
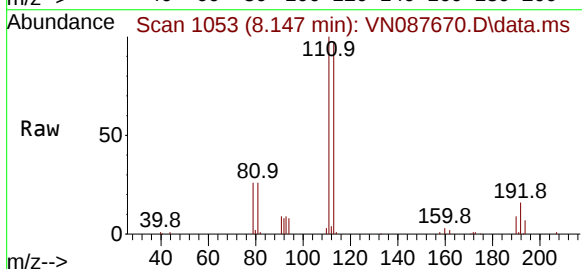
Tgt Ion:113 Resp: 139352

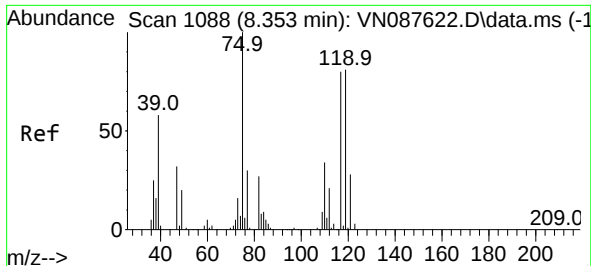
Ion Ratio Lower Upper

113 100

111 102.6 82.8 124.2

192 16.6 12.8 19.2

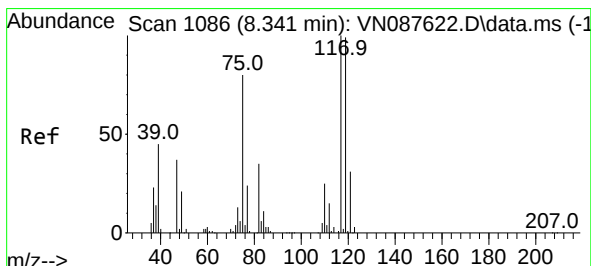
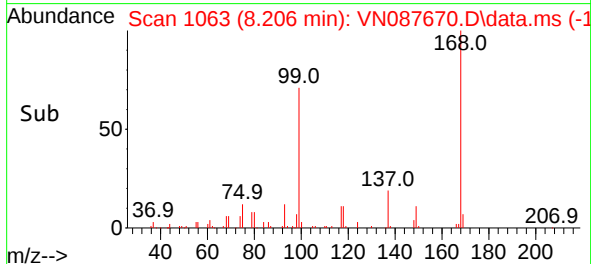
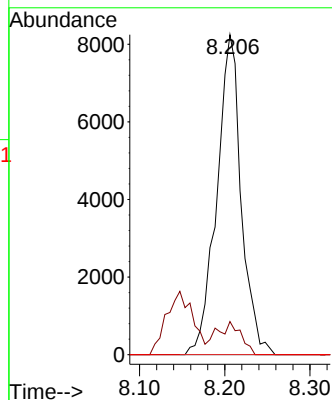
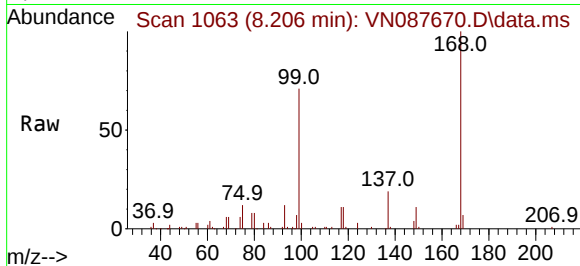




#36
1,1-Dichloropropene
Concen: 3.912 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.147 min
Lab File: VN087670.D
Acq: 26 Aug 2025 15:08

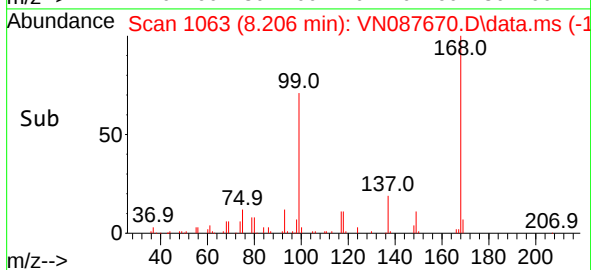
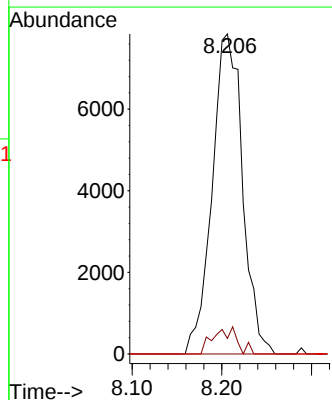
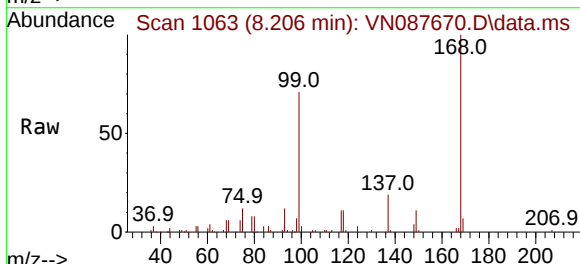
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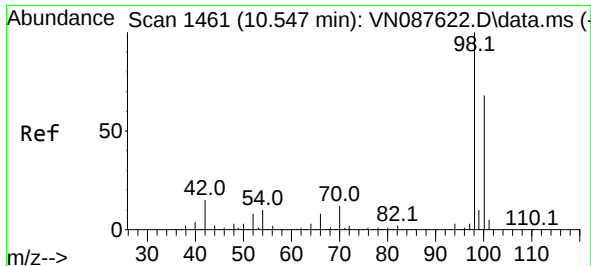
Tgt Ion: 75 Resp: 16501
Ion Ratio Lower Upper
75 100
110 10.3 15.9 47.6#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 4.427 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.135 min
Lab File: VN087670.D
Acq: 26 Aug 2025 15:08

Tgt Ion: 117 Resp: 18437
Ion Ratio Lower Upper
117 100
119 4.9 79.0 118.6#
121 0.0 25.0 37.6#

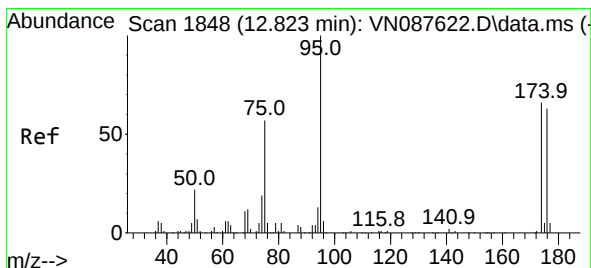
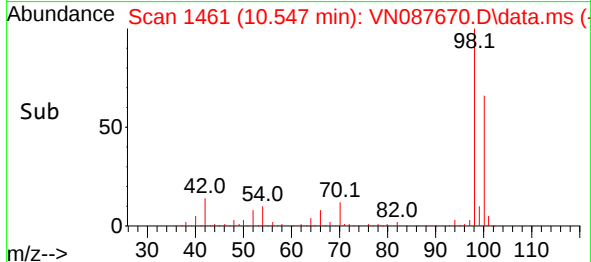
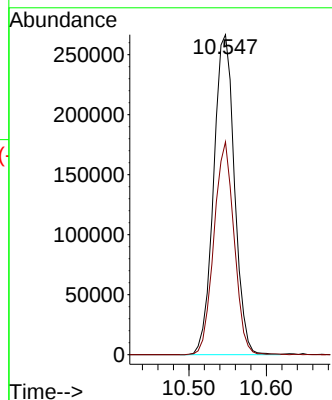
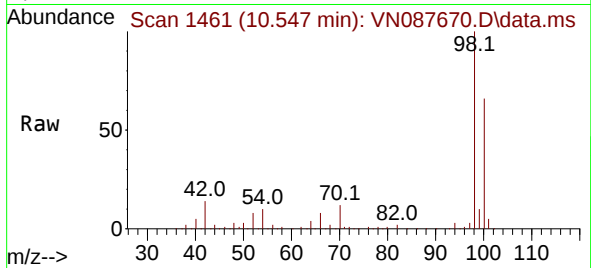




#50
Toluene-d8
Concen: 48.299 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. 0.000 min
Lab File: VN087670.D
Acq: 26 Aug 2025 15:08

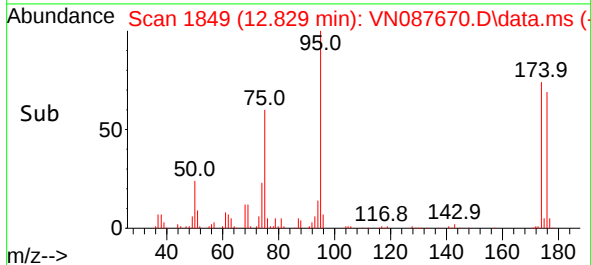
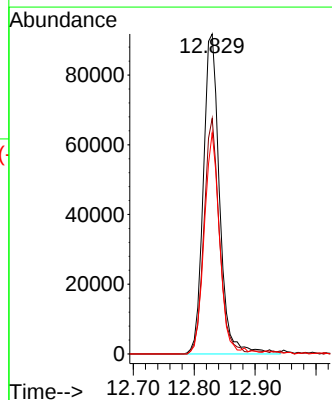
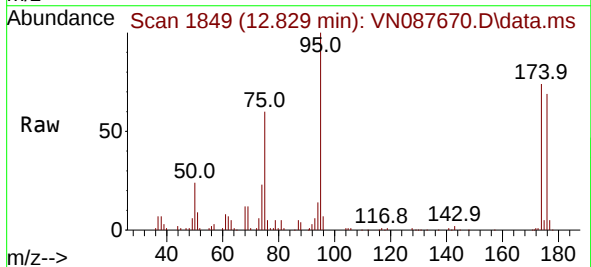
Instrument :
MSVOA_N
ClientSampleId :
VN0826WBL01

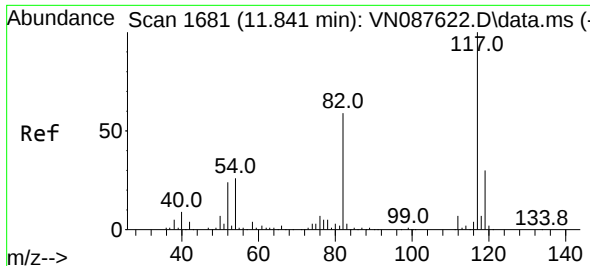
Tgt Ion: 98 Resp: 497036
Ion Ratio Lower Upper
98 100
100 64.5 52.8 79.2



#62
4-Bromofluorobenzene
Concen: 46.468 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN087670.D
Acq: 26 Aug 2025 15:08

Tgt Ion: 95 Resp: 170061
Ion Ratio Lower Upper
95 100
174 69.8 0.0 138.4
176 64.8 0.0 132.6

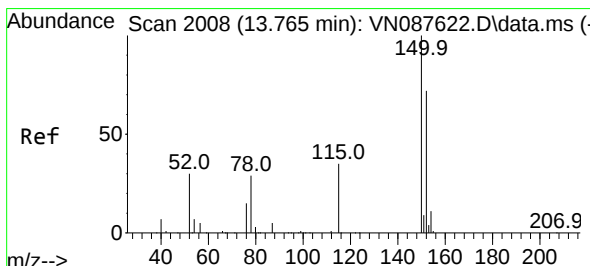
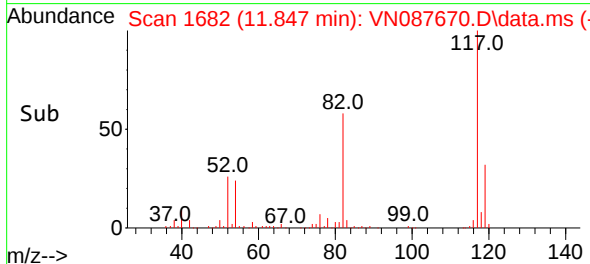
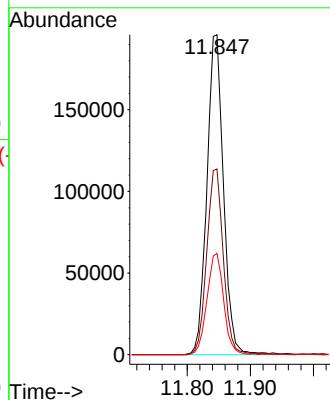
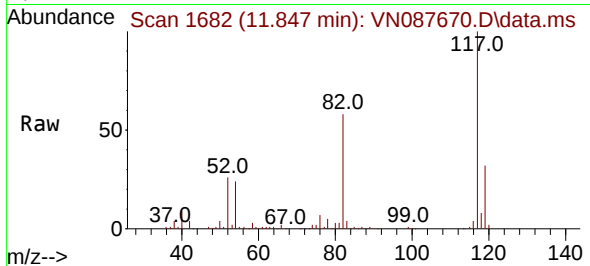




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 117
Delta R.T. 0.006 min
Lab File: VN087670.D
Acq: 26 Aug 2025 15:08

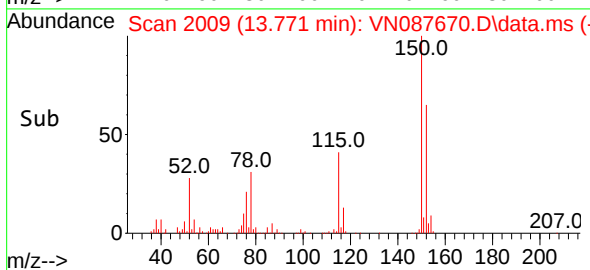
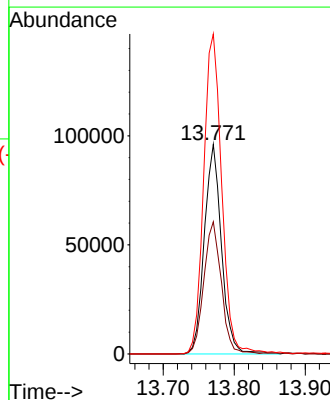
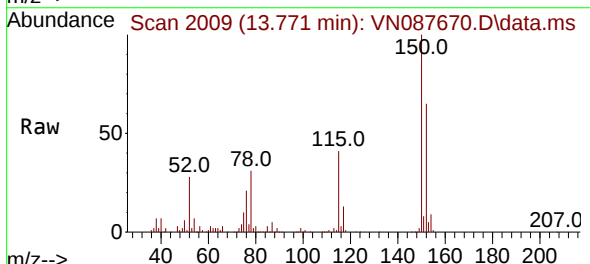
Instrument :
MSVOA_N
ClientSampleId :
VN0826WBL01

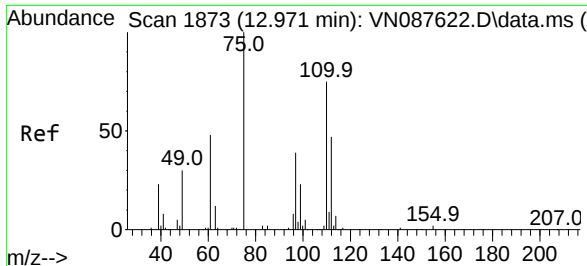
Tgt Ion:117 Resp: 356736
Ion Ratio Lower Upper
117 100
82 58.0 47.4 71.2
119 31.6 24.3 36.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.771 min Scan# 2009
Delta R.T. 0.006 min
Lab File: VN087670.D
Acq: 26 Aug 2025 15:08

Tgt Ion:152 Resp: 161997
Ion Ratio Lower Upper
152 100
115 64.1 32.3 96.8
150 160.7 0.0 351.0

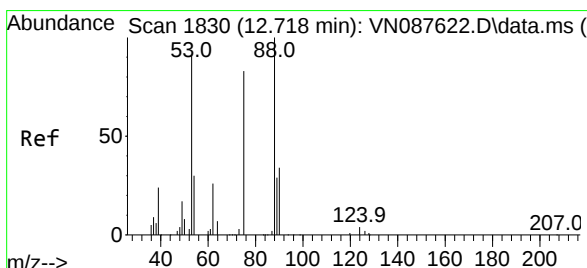
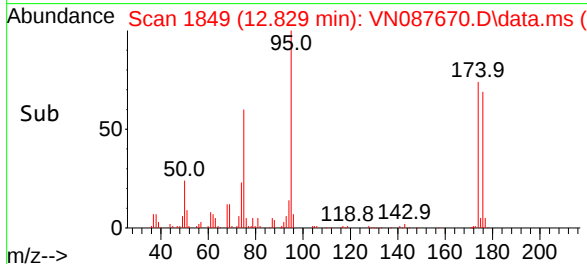
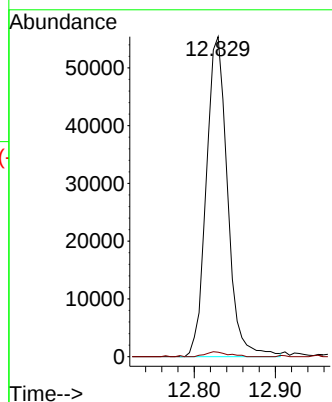
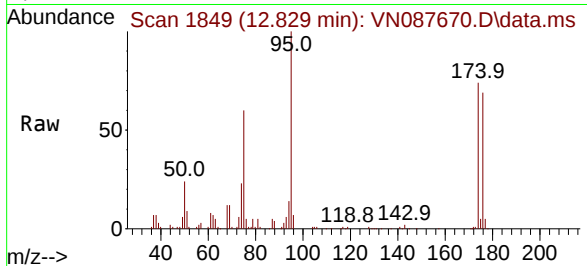




#76
1,2,3-Trichloropropane
Concen: 26.482 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. -0.141 min
Lab File: VN087670.D
Acq: 26 Aug 2025 15:08

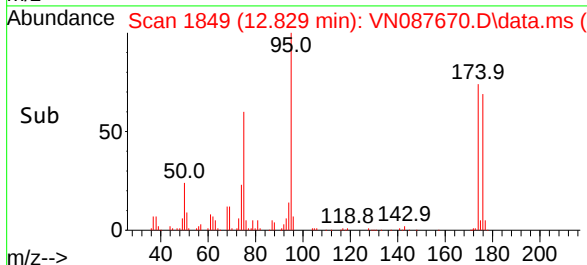
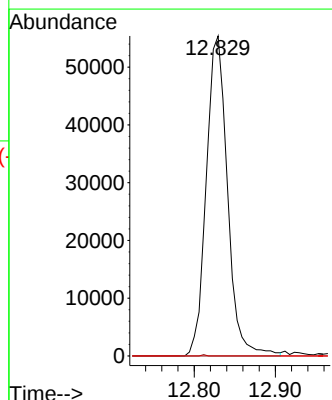
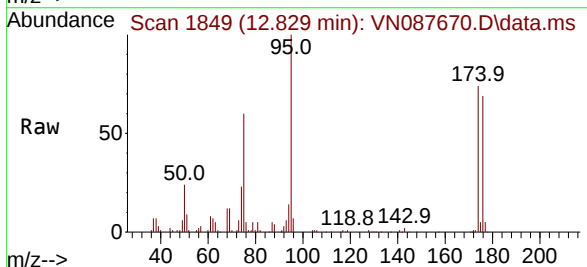
Instrument :
MSVOA_N
ClientSampleId :
VN0826WBL01

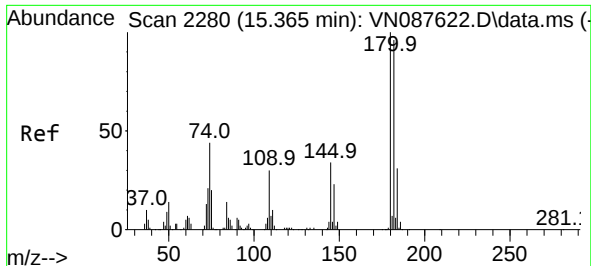
Tgt Ion: 75 Resp: 100603
Ion Ratio Lower Upper
75 100
77 1.6 89.1 267.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 70.108 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.112 min
Lab File: VN087670.D
Acq: 26 Aug 2025 15:08

Tgt Ion: 75 Resp: 100603
Ion Ratio Lower Upper
75 100
53 0.1 101.8 152.6#
89 0.0 35.6 53.4#

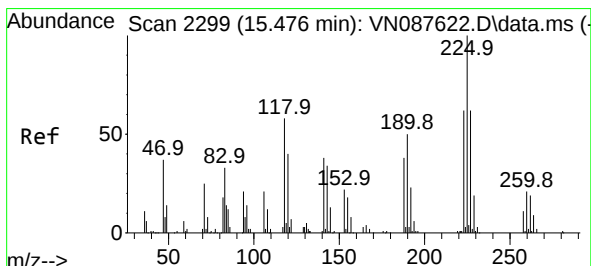
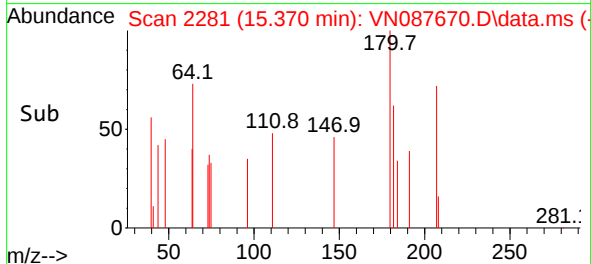
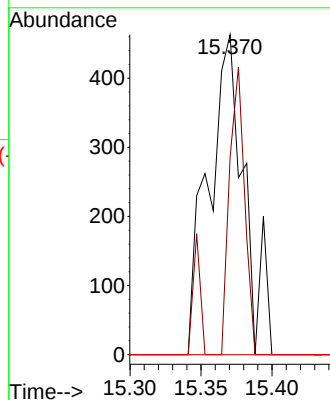
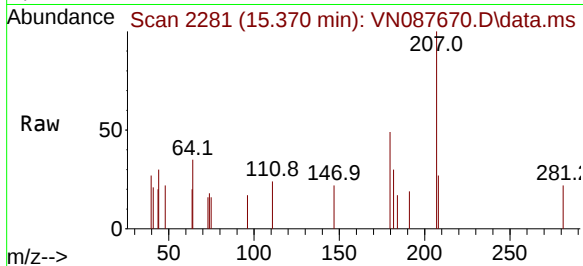




#93
 1,2,4-Trichlorobenzene
 Concen: 0.235 ug/l
 RT: 15.370 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VN087670.D
 Acq: 26 Aug 2025 15:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0826WBL01

Tgt Ion:180 Resp: 814
 Ion Ratio Lower Upper
 180 100
 182 37.7 47.6 142.9#
 145 0.0 16.5 49.5#



#94
 Hexachlorobutadiene
 Concen: 0.253 ug/l
 RT: 15.470 min Scan# 2298
 Delta R.T. -0.006 min
 Lab File: VN087670.D
 Acq: 26 Aug 2025 15:08

Tgt Ion:225 Resp: 312
 Ion Ratio Lower Upper
 225 100
 223 0.0 32.0 96.2#
 227 0.0 32.1 96.5#

