

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082225\
 Data File : VN087630.D
 Acq On : 22 Aug 2025 10:47
 Operator : JC\MD
 Sample : VN0822WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0822WBL01

Quant Time: Aug 25 01:16:17 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)

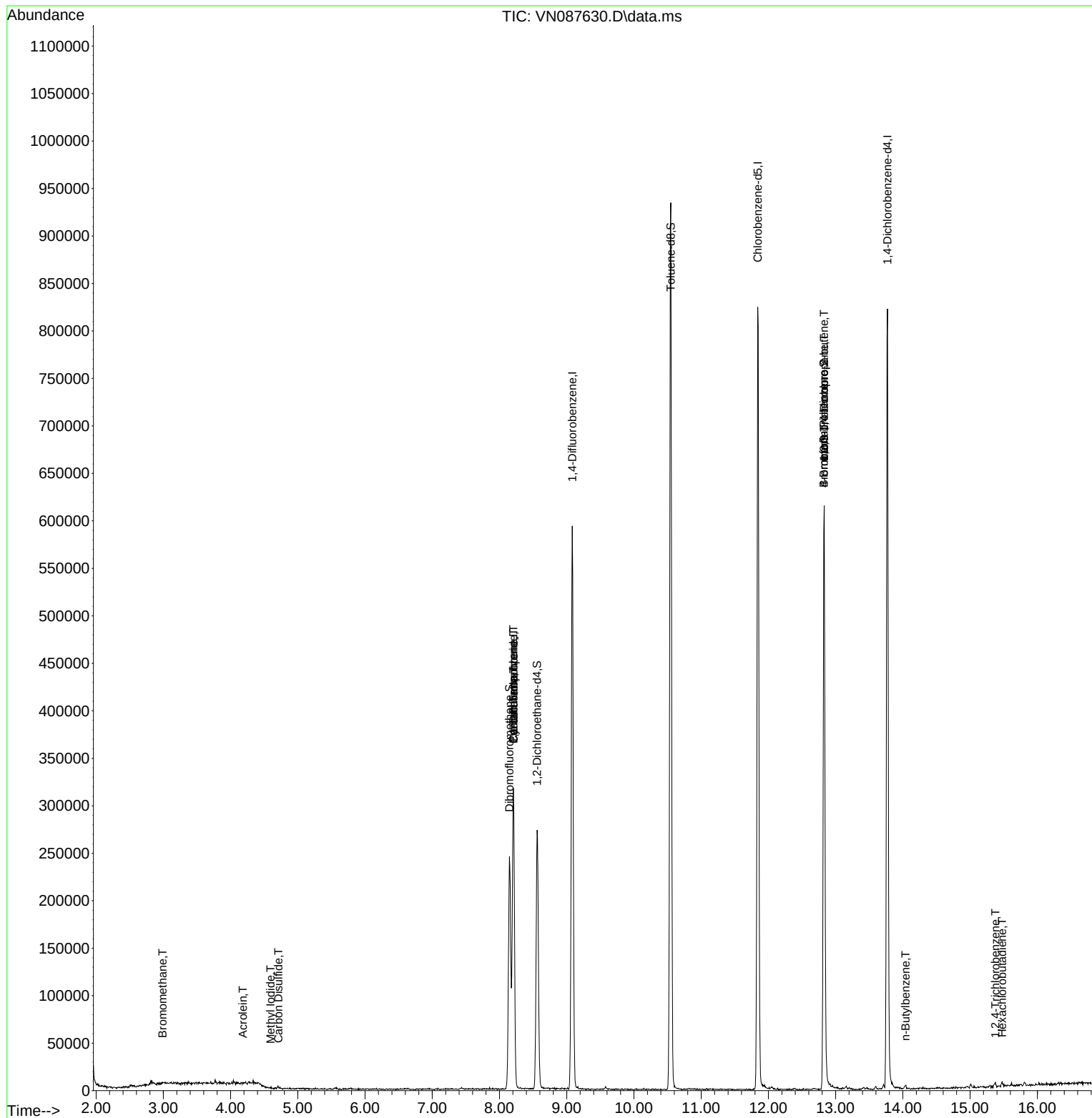
Internal Standards						
1) Pentafluorobenzene	8.206	168	212794	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	479771	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	448296	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	206141	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	234010	53.673	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.340%			
35) Dibromofluoromethane	8.147	113	171259	49.441	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.880%			
50) Toluene-d8	10.547	98	624323	48.155	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 96.300%			
62) 4-Bromofluorobenzene	12.823	95	219804	47.672	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 95.340%			
Target Compounds						
					Qvalue	
5) Bromomethane	2.989	94	996	0.536	ug/l #	74
10) Methyl Iodide	4.595	142	681	7.074	ug/l #	38
13) Acrolein	4.183	56	629	0.676	ug/l	99
17) Carbon Disulfide	4.712	76	2676	0.317	ug/l #	74
20) Methylene Chloride	5.253	84	152	Below Cal	#	5
31) Cyclohexane	8.206	56	7129	1.300	ug/l #	50
36) 1,1-Dichloropropene	8.206	75	21094	3.969	ug/l #	45
38) Carbon Tetrachloride	8.206	117	25566	4.873	ug/l #	18
71) Bromoform	12.823	173	2267	0.798	ug/l #	1
76) 1,2,3-Trichloropropane	12.829	75	126895	26.250	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.829	75	126895	69.494	ug/l #	1
89) n-Butylbenzene	14.041	91	3701	0.258	ug/l #	67
93) 1,2,4-Trichlorobenzene	15.376	180	1341	0.304	ug/l	91
94) Hexachlorobutadiene	15.476	225	636	0.405	ug/l #	50

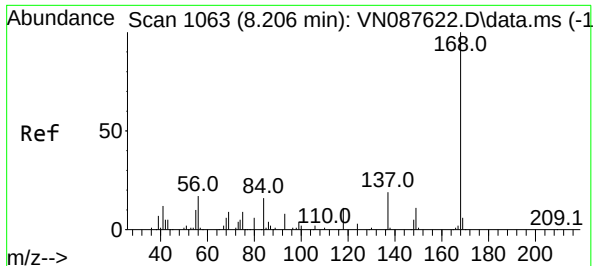
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:55:42 2025
Response via : Initial Calibration

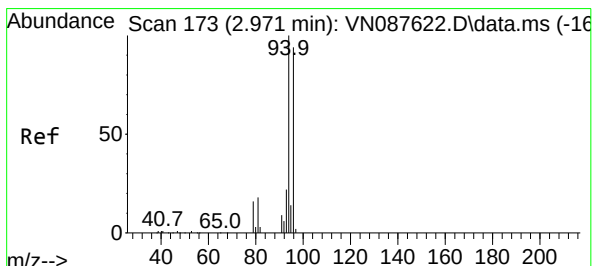
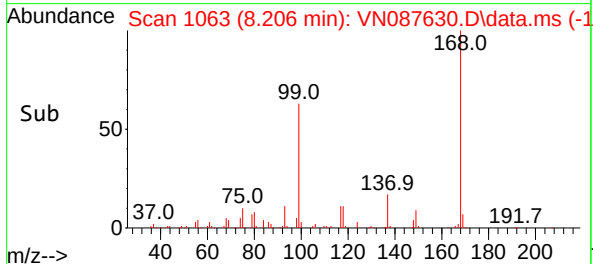
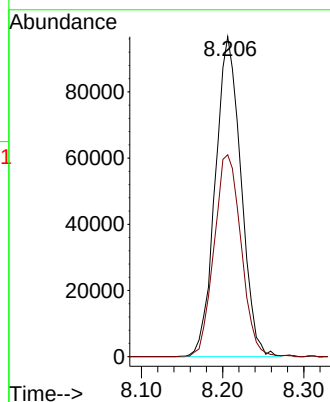
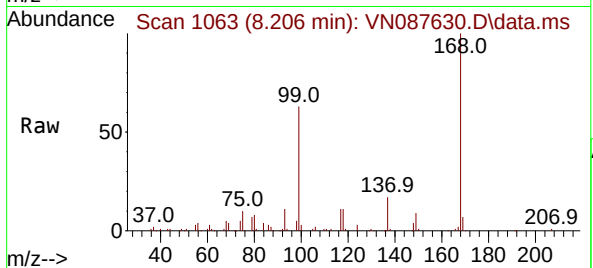




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VN087630.D
Acq: 22 Aug 2025 10:47

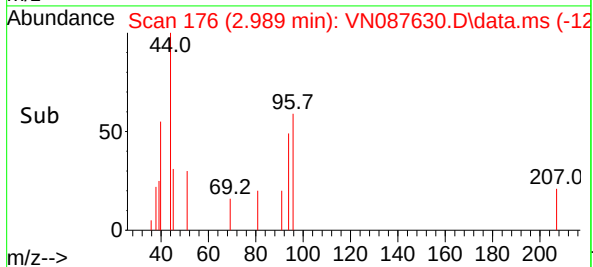
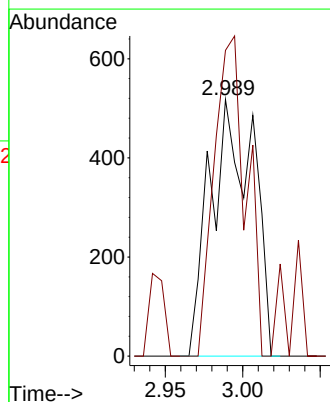
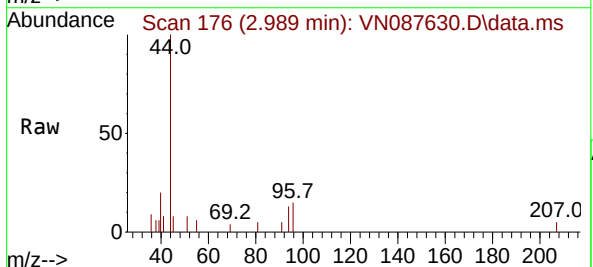
Instrument :
MSVOA_N
ClientSampleId :
VN0822WBL01

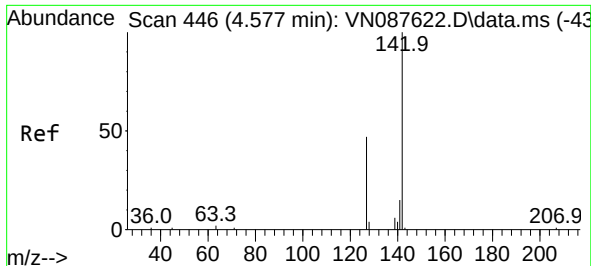
Tgt Ion:168 Resp: 212794
Ion Ratio Lower Upper
168 100
99 62.9 57.2 85.8



#5
Bromomethane
Concen: 0.536 ug/l
RT: 2.989 min Scan# 176
Delta R.T. 0.018 min
Lab File: VN087630.D
Acq: 22 Aug 2025 10:47

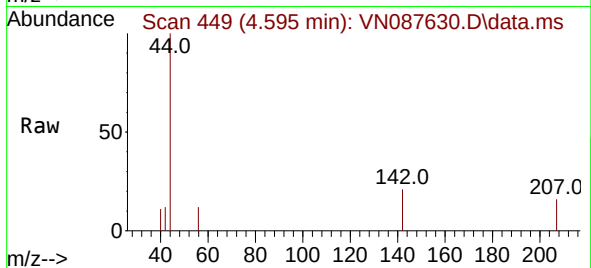
Tgt Ion: 94 Resp: 996
Ion Ratio Lower Upper
94 100
96 119.1 75.4 113.2#



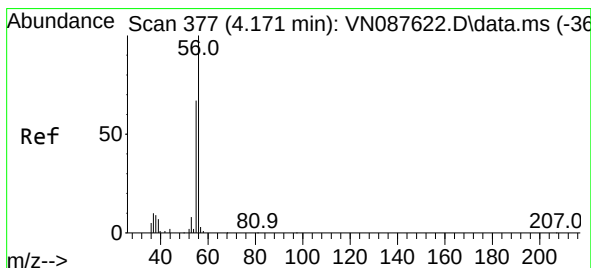
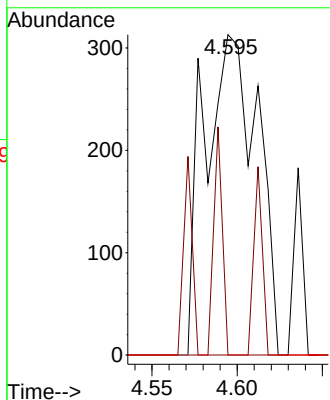
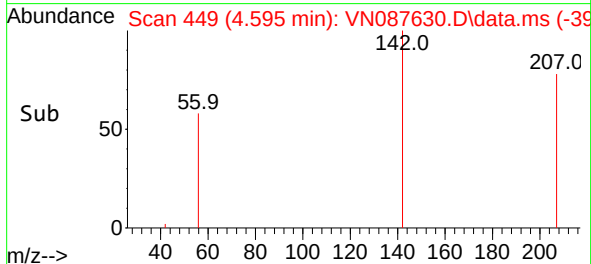


#10
Methyl Iodide
Concen: 7.074 ug/l
RT: 4.595 min Scan# 449
Delta R.T. 0.018 min
Lab File: VN087630.D
Acq: 22 Aug 2025 10:47

Instrument :
MSVOA_N
ClientSampleId :
VN0822WBL01

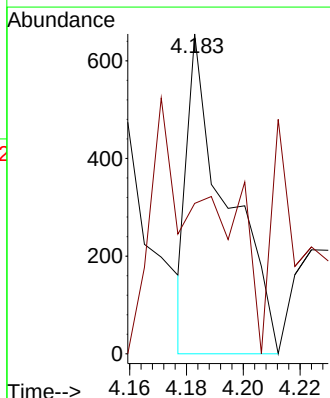
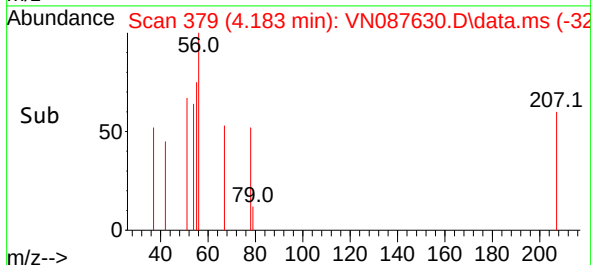
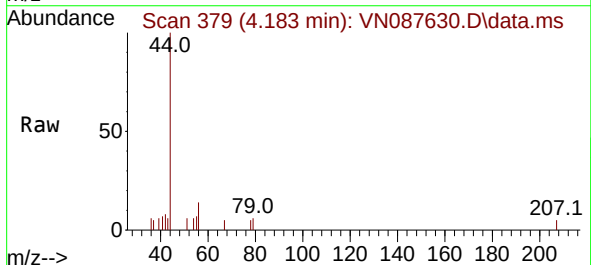


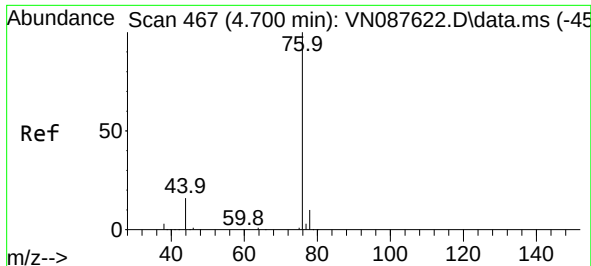
Tgt Ion:142 Resp: 681
Ion Ratio Lower Upper
142 100
127 0.0 38.0 57.0#
141 0.0 12.0 18.0#



#13
Acrolein
Concen: 0.676 ug/l
RT: 4.183 min Scan# 379
Delta R.T. 0.012 min
Lab File: VN087630.D
Acq: 22 Aug 2025 10:47

Tgt Ion: 56 Resp: 629
Ion Ratio Lower Upper
56 100
55 70.4 57.3 85.9

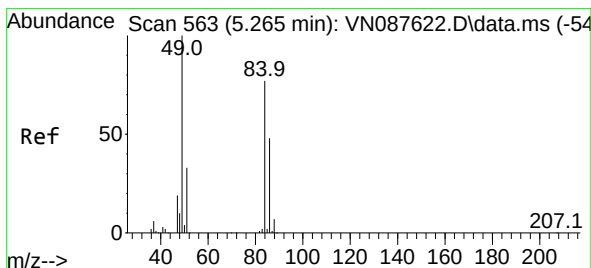
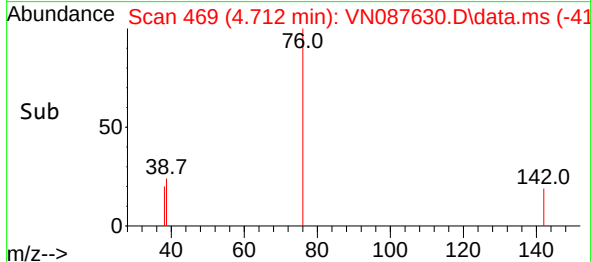
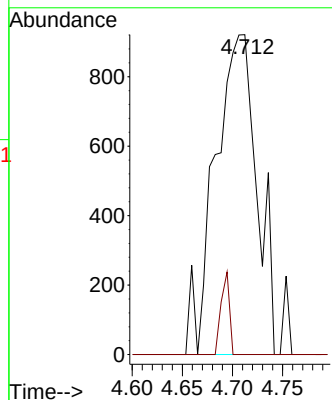
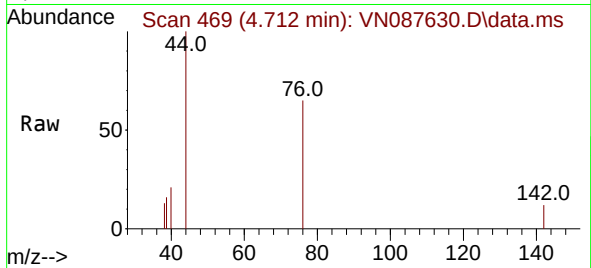




#17
Carbon Disulfide
Concen: 0.317 ug/l
RT: 4.712 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN087630.D
Acq: 22 Aug 2025 10:47

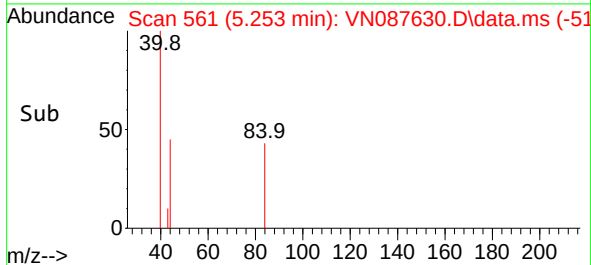
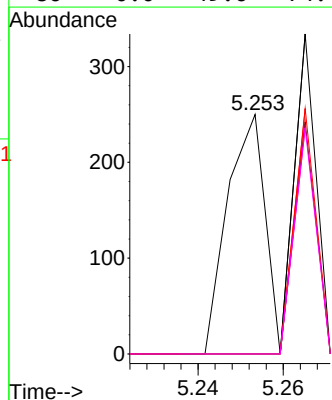
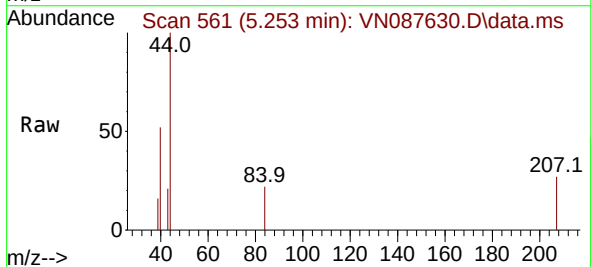
Instrument :
MSVOA_N
ClientSampleId :
VN0822WBL01

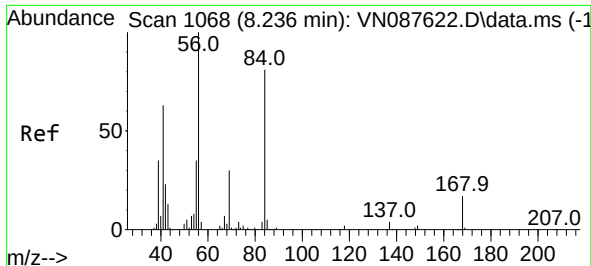
Tgt Ion: 76 Resp: 2676
Ion Ratio Lower Upper
76 100
78 0.0 7.6 11.4#



#20
Methylene Chloride
Concen: Below Cal
RT: 5.253 min Scan# 561
Delta R.T. -0.012 min
Lab File: VN087630.D
Acq: 22 Aug 2025 10:47

Tgt Ion: 84 Resp: 152
Ion Ratio Lower Upper
84 100
49 0.0 103.4 155.2#
51 0.0 33.8 50.8#
86 0.0 49.6 74.4#

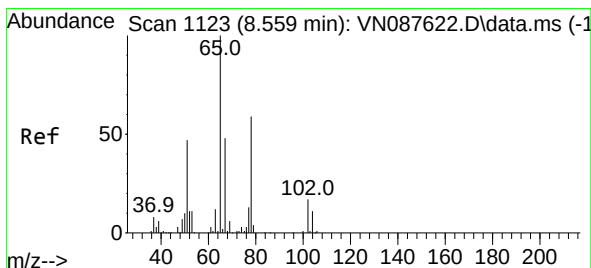
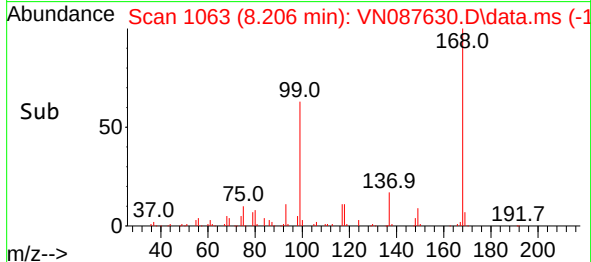
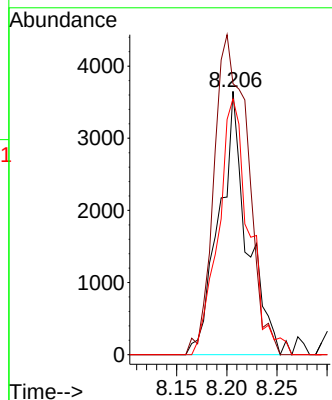
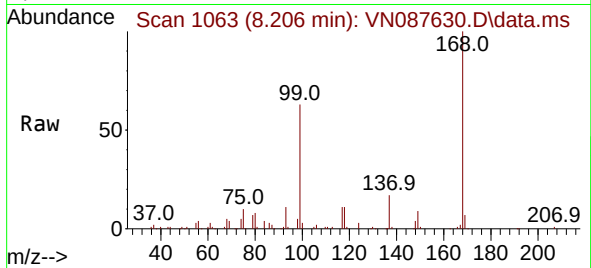




#31
Cyclohexane
Concen: 1.300 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.029 min
Lab File: VN087630.D
Acq: 22 Aug 2025 10:47

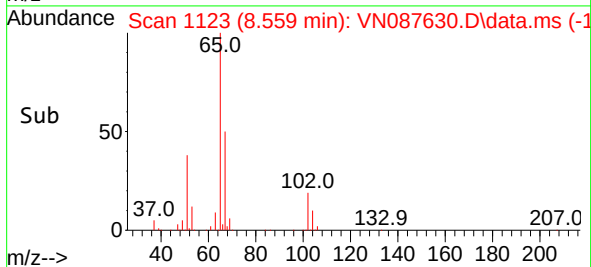
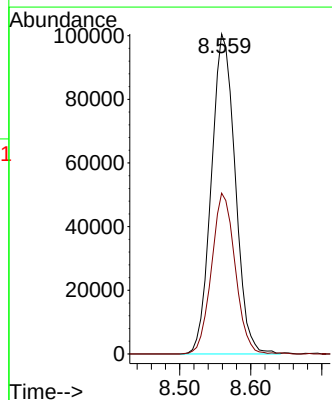
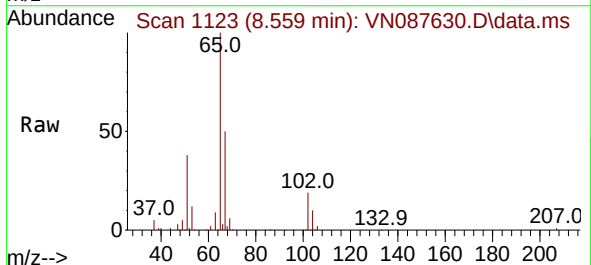
Instrument :
MSVOA_N
ClientSampleId :
VN0822WBL01

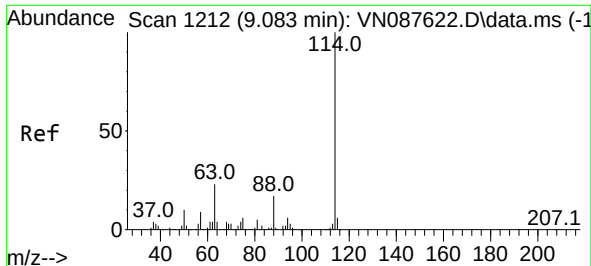
Tgt Ion: 56 Resp: 7129
Ion Ratio Lower Upper
56 100
69 102.9 23.7 35.5#
84 97.2 64.7 97.1#



#33
1,2-Dichloroethane-d4
Concen: 53.673 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.000 min
Lab File: VN087630.D
Acq: 22 Aug 2025 10:47

Tgt Ion: 65 Resp: 234010
Ion Ratio Lower Upper
65 100
67 49.8 0.0 100.0

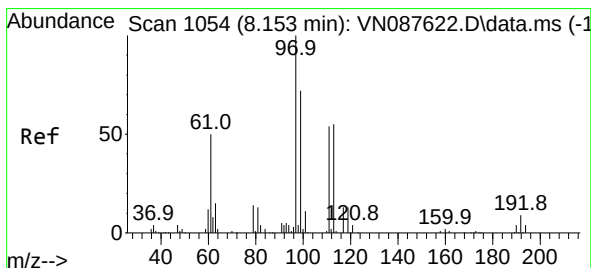
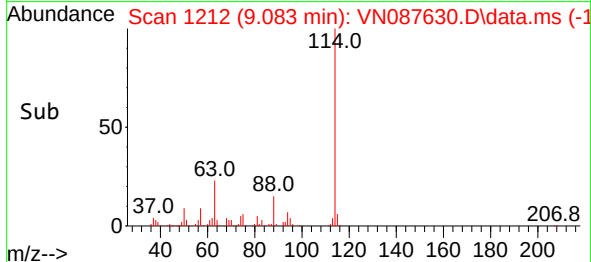
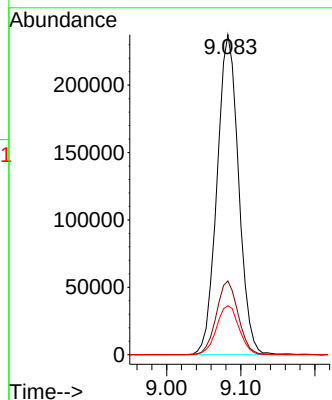
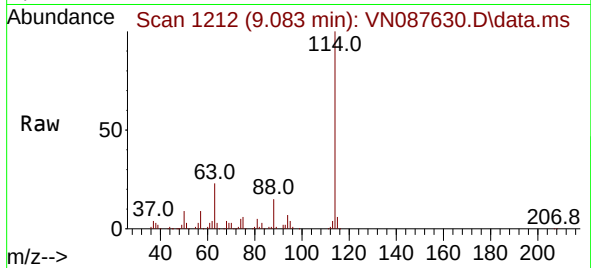




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.083 min Scan# 114
Delta R.T. -0.000 min
Lab File: VN087630.D
Acq: 22 Aug 2025 10:47

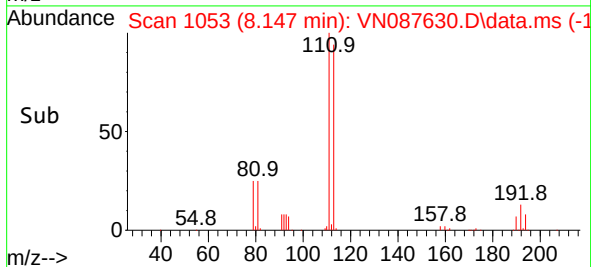
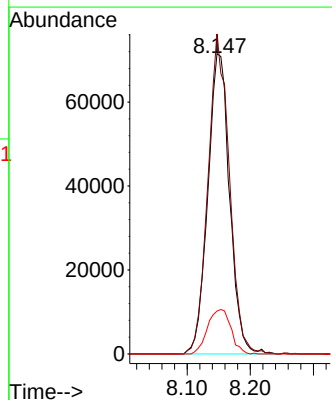
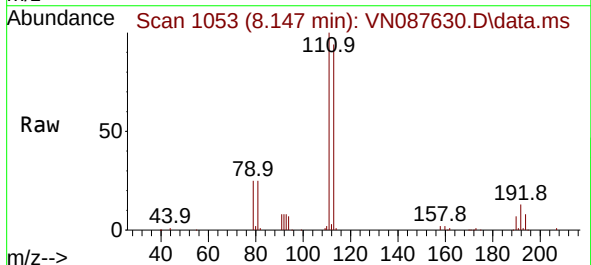
Instrument :
MSVOA_N
ClientSampleId :
VN0822WBL01

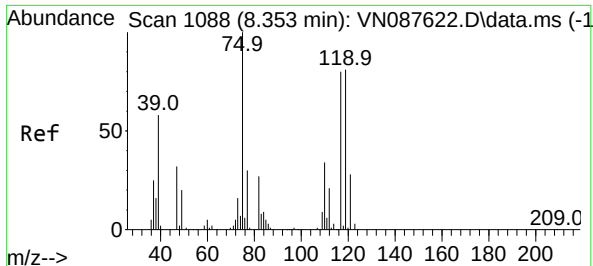
Tgt Ion:114 Resp: 479771
Ion Ratio Lower Upper
114 100
63 23.1 0.0 45.2
88 15.3 0.0 33.4



#35
Dibromofluoromethane
Concen: 49.441 ug/l
RT: 8.147 min Scan# 1053
Delta R.T. -0.006 min
Lab File: VN087630.D
Acq: 22 Aug 2025 10:47

Tgt Ion:113 Resp: 171259
Ion Ratio Lower Upper
113 100
111 104.6 82.8 124.2
192 15.9 12.8 19.2

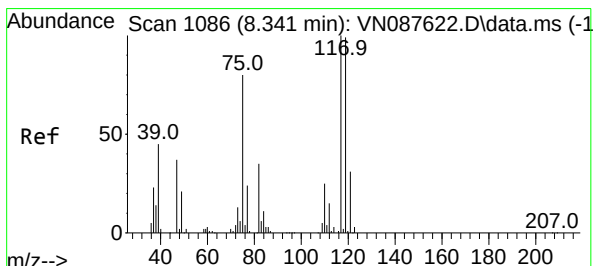
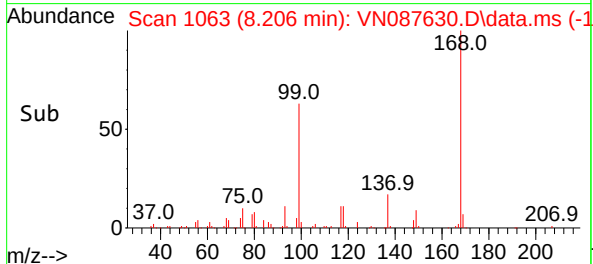
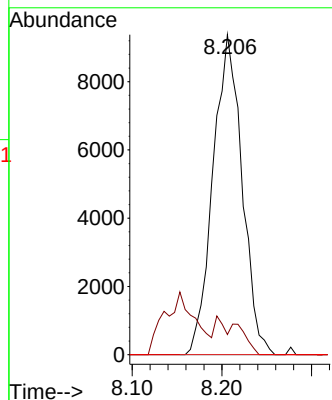
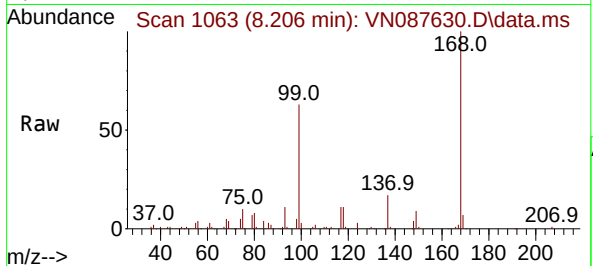




#36
1,1-Dichloropropene
Concen: 3.969 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.147 min
Lab File: VN087630.D
Acq: 22 Aug 2025 10:47

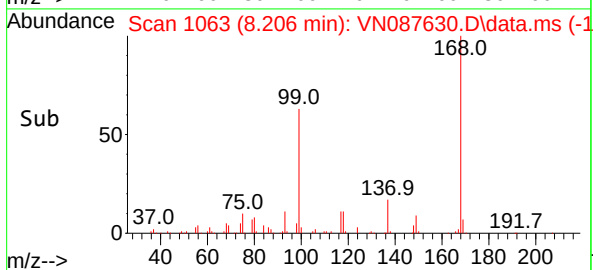
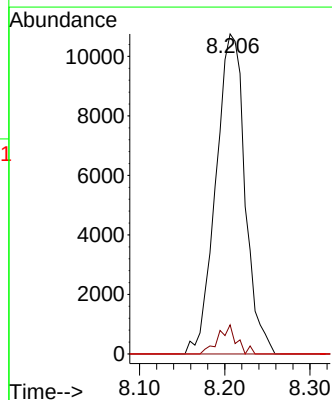
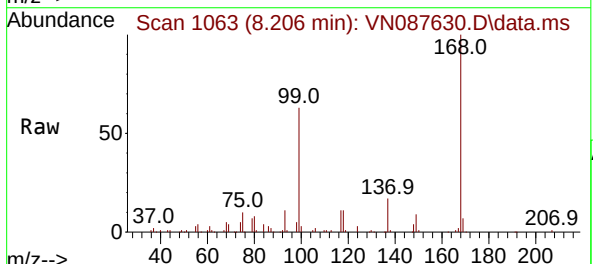
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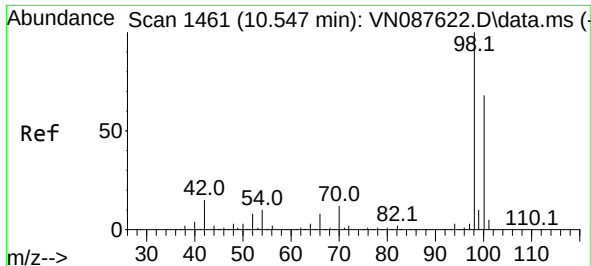
Tgt Ion: 75 Resp: 21094
Ion Ratio Lower Upper
75 100
110 1.9 15.9 47.6#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 4.873 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.135 min
Lab File: VN087630.D
Acq: 22 Aug 2025 10:47

Tgt Ion: 117 Resp: 25566
Ion Ratio Lower Upper
117 100
119 9.1 79.0 118.6#
121 0.0 25.0 37.6#

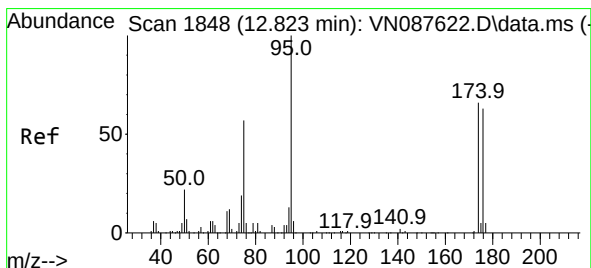
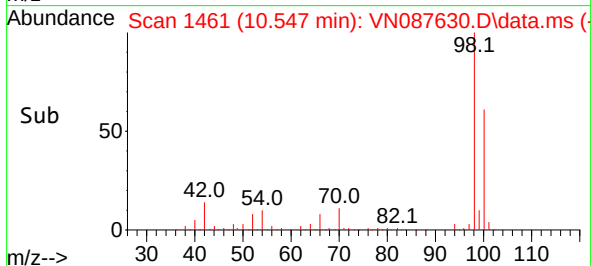
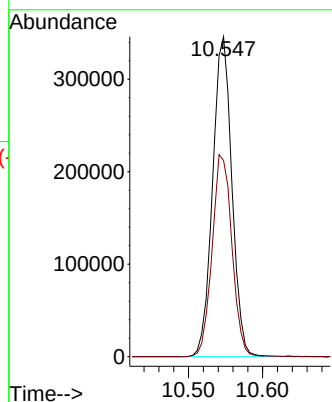
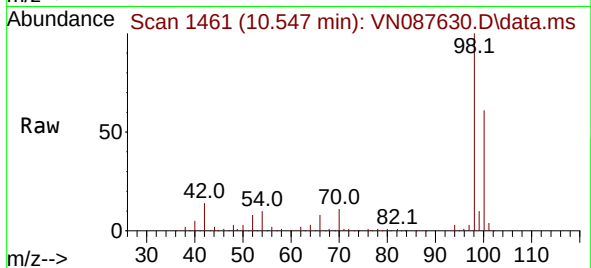




#50
Toluene-d8
Concen: 48.155 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. 0.000 min
Lab File: VN087630.D
Acq: 22 Aug 2025 10:47

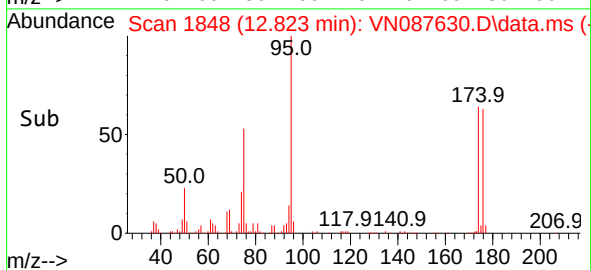
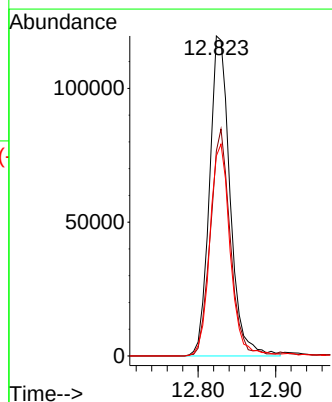
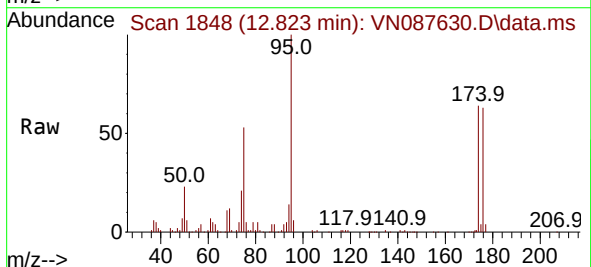
Instrument :
MSVOA_N
ClientSampleId :
VN0822WBL01

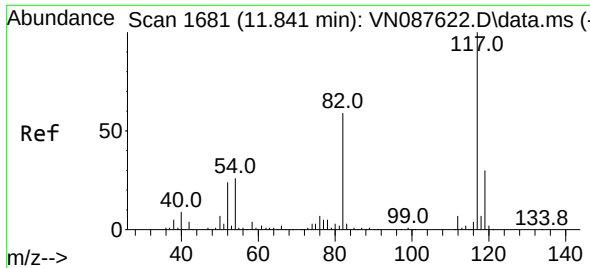
Tgt Ion: 98 Resp: 624323
Ion Ratio Lower Upper
98 100
100 64.9 52.8 79.2



#62
4-Bromofluorobenzene
Concen: 47.672 ug/l
RT: 12.823 min Scan# 1848
Delta R.T. -0.000 min
Lab File: VN087630.D
Acq: 22 Aug 2025 10:47

Tgt Ion: 95 Resp: 219804
Ion Ratio Lower Upper
95 100
174 68.8 0.0 138.4
176 65.4 0.0 132.6

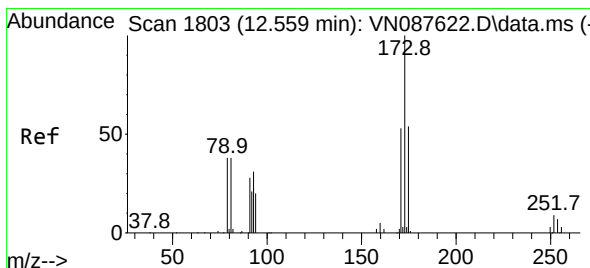
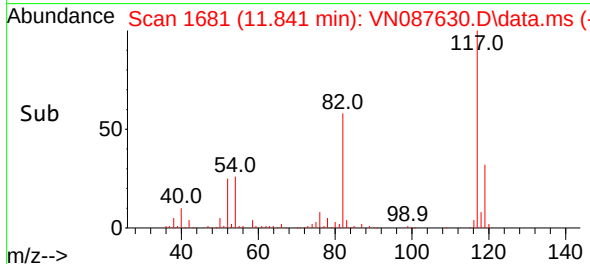
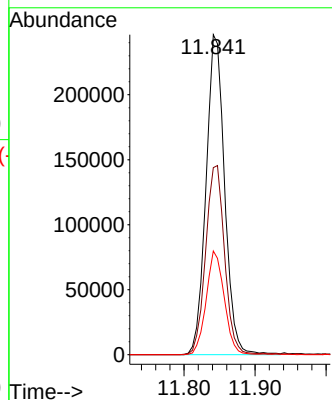
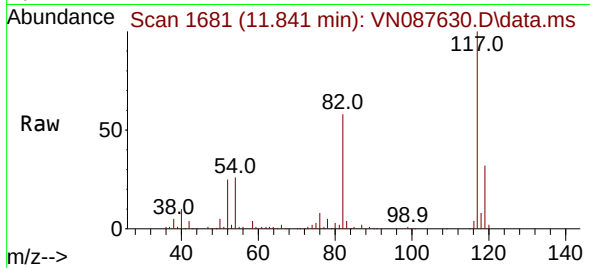




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1177
Delta R.T. 0.000 min
Lab File: VN087630.D
Acq: 22 Aug 2025 10:47

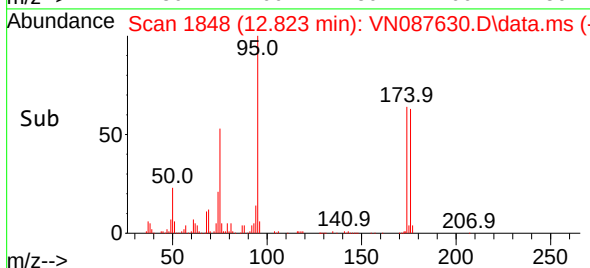
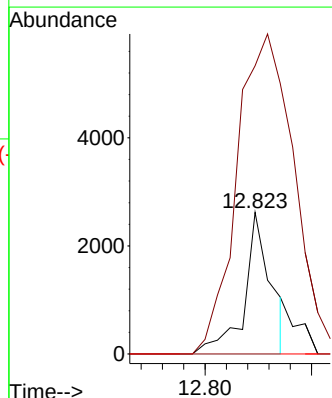
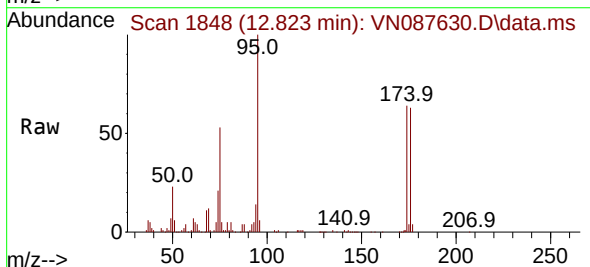
Instrument :
MSVOA_N
ClientSampleId :
VN0822WBL01

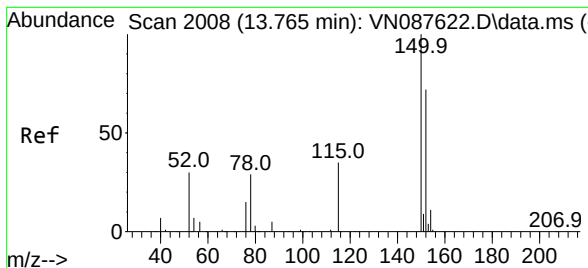
Tgt Ion:117 Resp: 448296
Ion Ratio Lower Upper
117 100
82 58.5 47.4 71.2
119 32.4 24.3 36.5



#71
Bromoform
Concen: 0.798 ug/l
RT: 12.823 min Scan# 1848
Delta R.T. 0.265 min
Lab File: VN087630.D
Acq: 22 Aug 2025 10:47

Tgt Ion:173 Resp: 2267
Ion Ratio Lower Upper
173 100
175 378.4 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# 2008

Delta R.T. 0.006 min

Lab File: VN087630.D

Acq: 22 Aug 2025 10:47

Instrument :

MSVOA_N

ClientSampleId :

VN0822WBL01

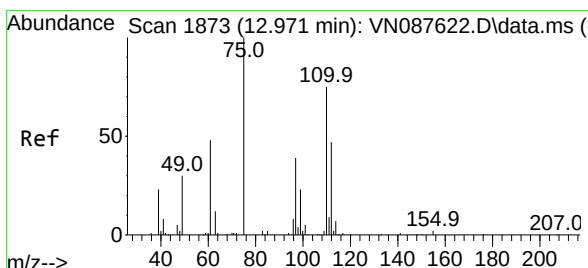
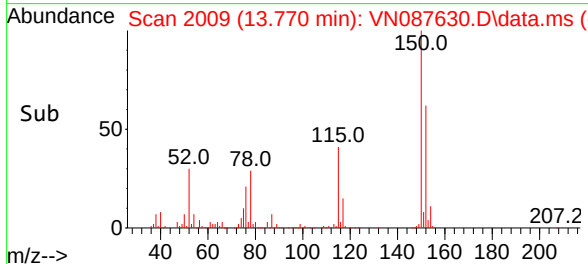
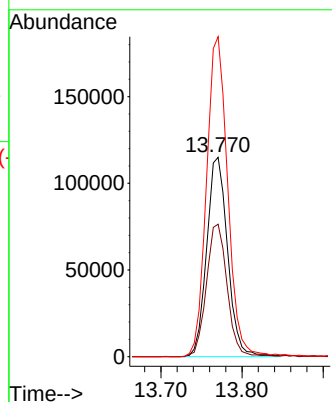
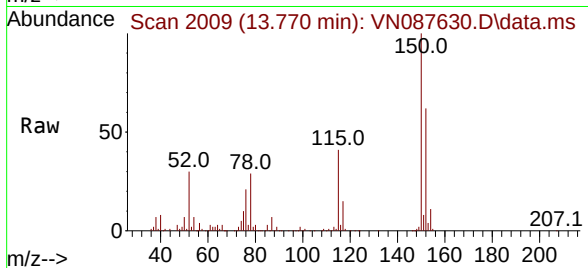
Tgt Ion:152 Resp: 206141

Ion Ratio Lower Upper

152 100

115 65.8 32.3 96.8

150 162.8 0.0 351.0



#76

1,2,3-Trichloropropane

Concen: 26.250 ug/l

RT: 12.829 min Scan# 1849

Delta R.T. -0.141 min

Lab File: VN087630.D

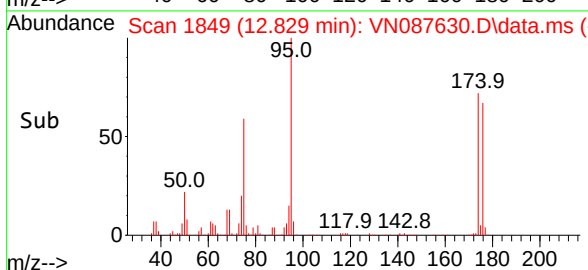
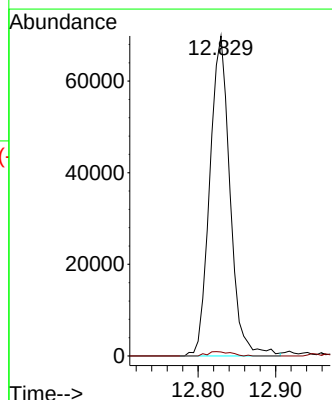
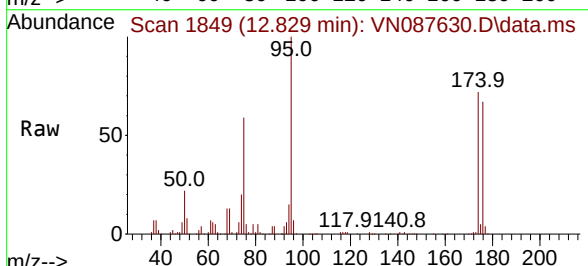
Acq: 22 Aug 2025 10:47

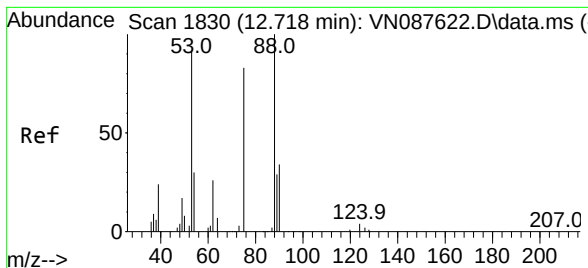
Tgt Ion: 75 Resp: 126895

Ion Ratio Lower Upper

75 100

77 1.6 89.1 267.4#

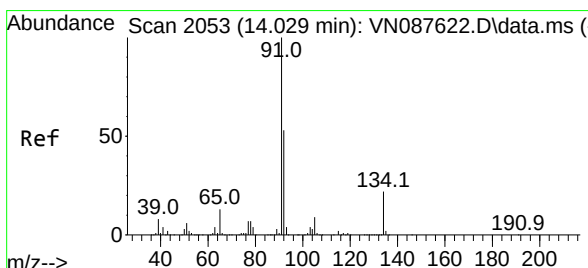
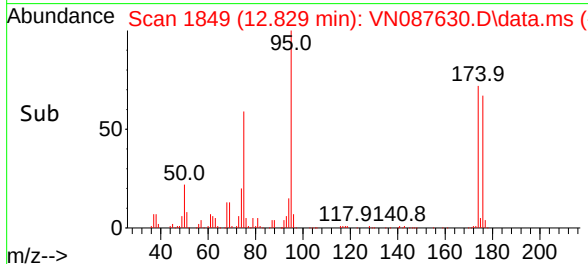
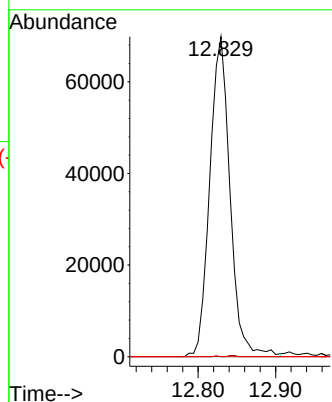
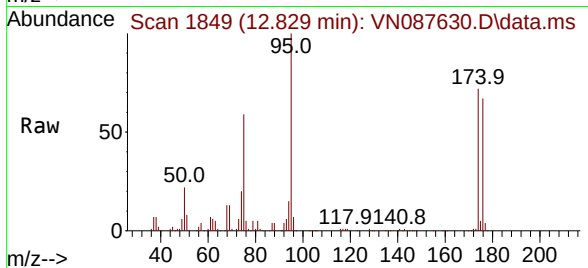




#81
 trans-1,4-Dichloro-2-butene
 Concen: 69.494 ug/l
 RT: 12.829 min Scan# 1849
 Delta R.T. 0.112 min
 Lab File: VN087630.D
 Acq: 22 Aug 2025 10:47

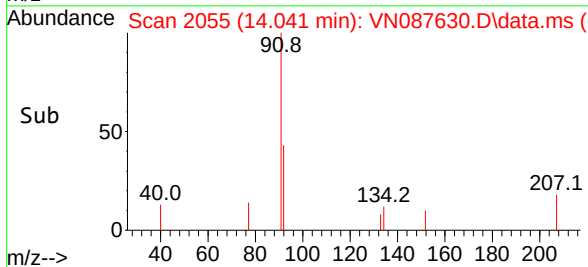
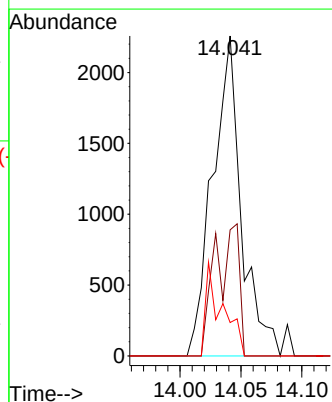
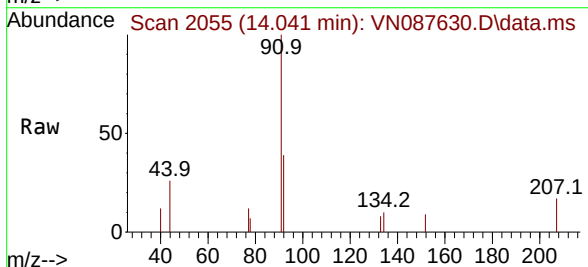
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0822WBL01

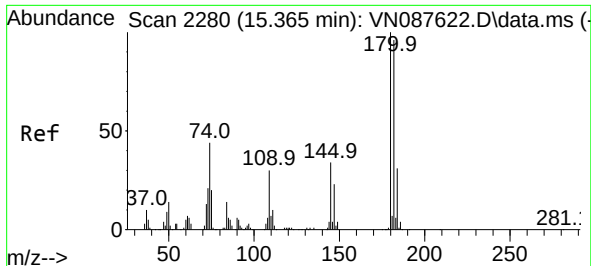
Tgt Ion: 75 Resp: 126895
 Ion Ratio Lower Upper
 75 100
 53 0.0 101.8 152.6#
 89 0.0 35.6 53.4#



#89
 n-Butylbenzene
 Concen: 0.258 ug/l
 RT: 14.041 min Scan# 2055
 Delta R.T. 0.012 min
 Lab File: VN087630.D
 Acq: 22 Aug 2025 10:47

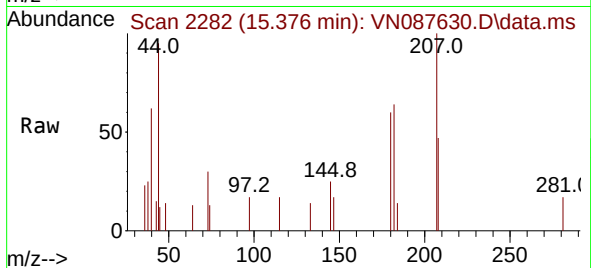
Tgt Ion: 91 Resp: 3701
 Ion Ratio Lower Upper
 91 100
 92 33.7 25.9 77.8
 134 0.0 11.7 35.0#



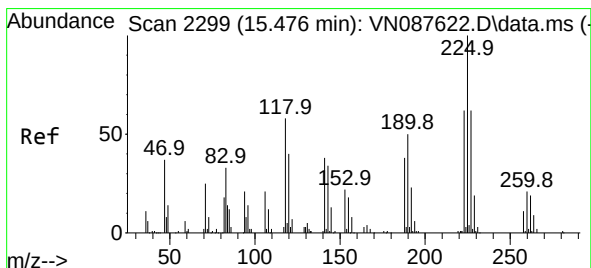
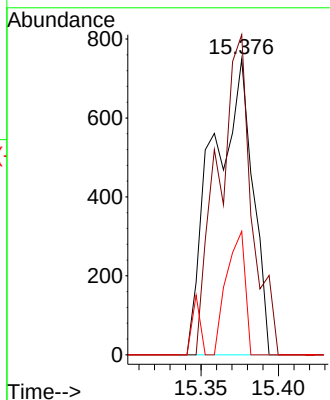
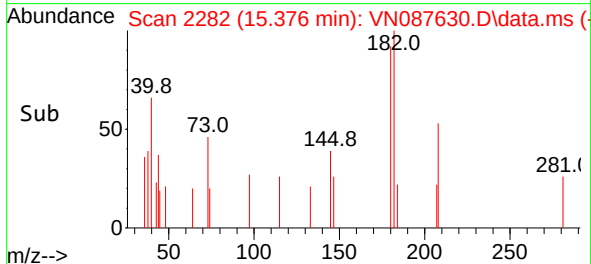


#93
 1,2,4-Trichlorobenzene
 Concen: 0.304 ug/l
 RT: 15.376 min Scan# 21
 Delta R.T. 0.012 min
 Lab File: VN087630.D
 Acq: 22 Aug 2025 10:47

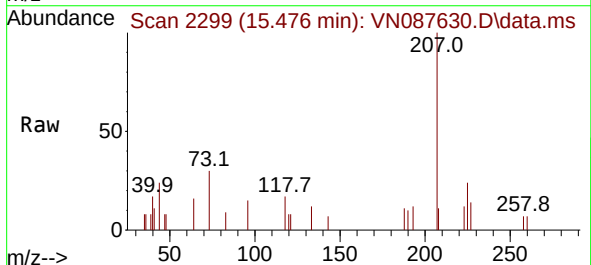
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0822WBL01



Tgt Ion:180	Resp:	1341
Ion Ratio	Lower	Upper
180	100	
182	91.2	47.6 142.9
145	19.5	16.5 49.5



#94
 Hexachlorobutadiene
 Concen: 0.405 ug/l
 RT: 15.476 min Scan# 2299
 Delta R.T. -0.000 min
 Lab File: VN087630.D
 Acq: 22 Aug 2025 10:47



Tgt Ion:225	Resp:	636
Ion Ratio	Lower	Upper
225	100	
223	0.0	32.0 96.2#
227	78.3	32.1 96.5

