

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082825\
 Data File : VN087678.D
 Acq On : 28 Aug 2025 12:30
 Operator : JC\MD
 Sample : VN0828WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0828WBL01

Quant Time: Aug 29 03:15:38 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

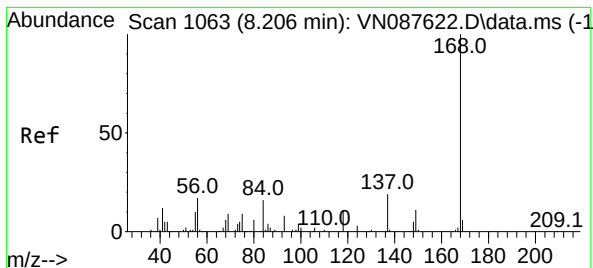
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.206	168	168853	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	397557	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	369375	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.764	152	170185	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	192758	55.717	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 111.440%	
35) Dibromofluoromethane	8.147	113	143774	50.089	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.180%	
50) Toluene-d8	10.541	98	513138	47.764	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 95.520%	
62) 4-Bromofluorobenzene	12.823	95	177034	46.336	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 92.680%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.989	94	415	0.281	ug/l #	59
16) Acetone	4.430	43	624	0.331	ug/l #	70
20) Methylene Chloride	5.283	84	237	Below Cal	#	27
31) Cyclohexane	8.200	56	4282	0.984	ug/l #	1
36) 1,1-Dichloropropene	8.206	75	17273	3.923	ug/l #	50
38) Carbon Tetrachloride	8.206	117	20611	4.741	ug/l #	13
49) 1,4-Dioxane	9.676	88	72	1.250	ug/l #	13
76) 1,2,3-Trichloropropane	12.829	75	102845	25.770	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.829	75	102845	68.222	ug/l #	1

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

Quant Time: Aug 29 03:15:38 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

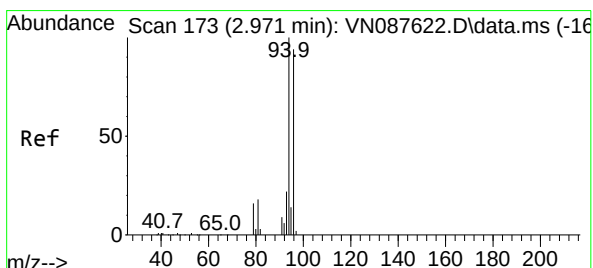
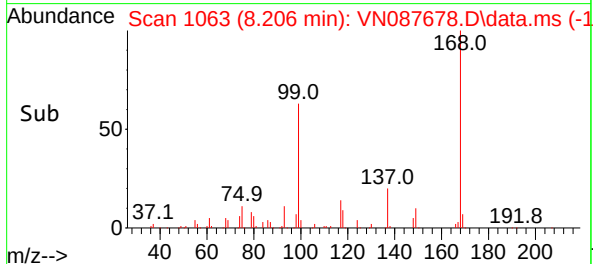
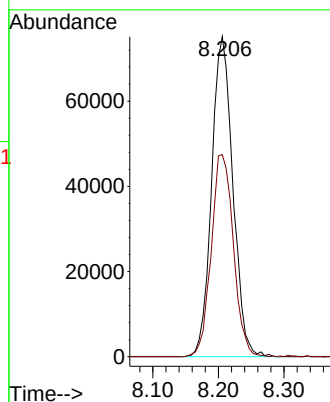
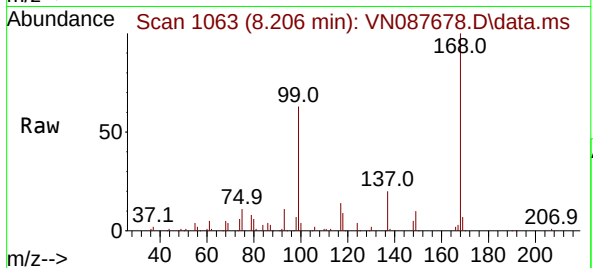




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.000 min
Lab File: VN087678.D
Acq: 28 Aug 2025 12:30

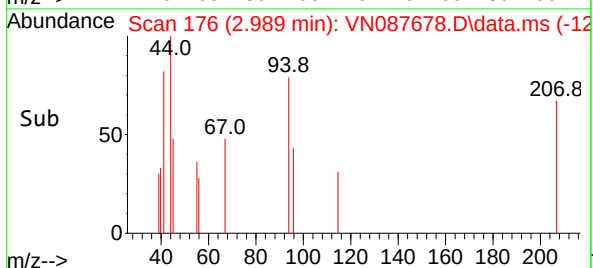
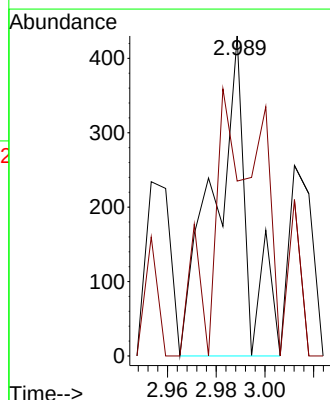
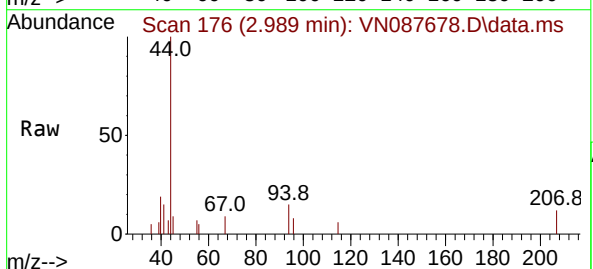
Instrument :
MSVOA_N
ClientSampleId :
VN0828WBL01

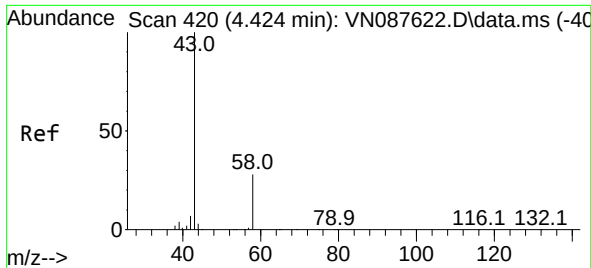
Tgt Ion:168 Resp: 168853
Ion Ratio Lower Upper
168 100
99 63.1 57.2 85.8



#5
Bromomethane
Concen: 0.281 ug/l
RT: 2.989 min Scan# 176
Delta R.T. 0.017 min
Lab File: VN087678.D
Acq: 28 Aug 2025 12:30

Tgt Ion: 94 Resp: 415
Ion Ratio Lower Upper
94 100
96 54.7 75.4 113.2#

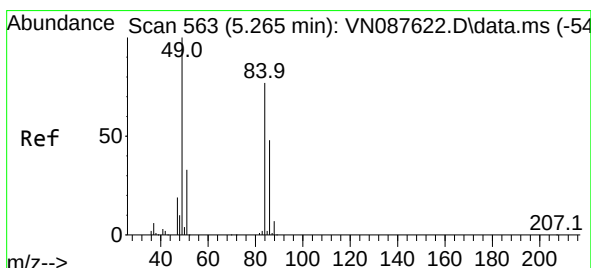
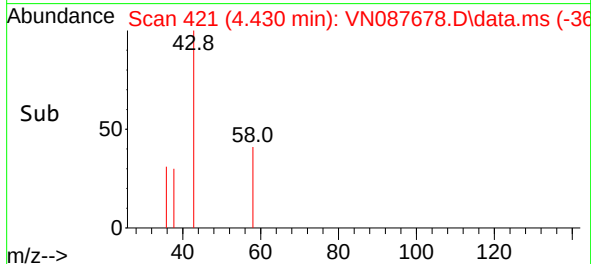
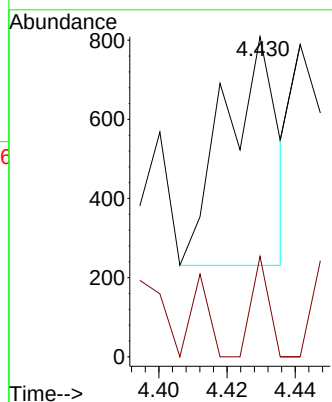
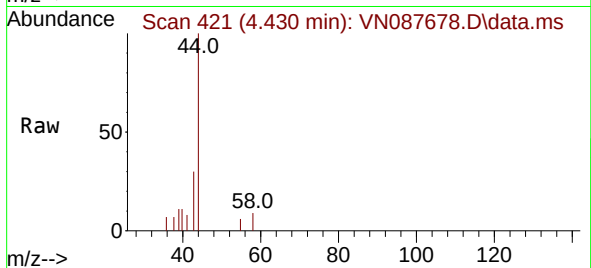




#16
Acetone
Concen: 0.331 ug/l
RT: 4.430 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN087678.D
Acq: 28 Aug 2025 12:30

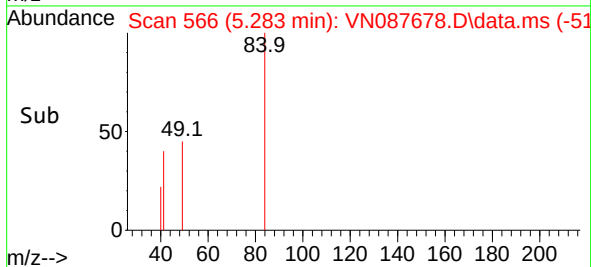
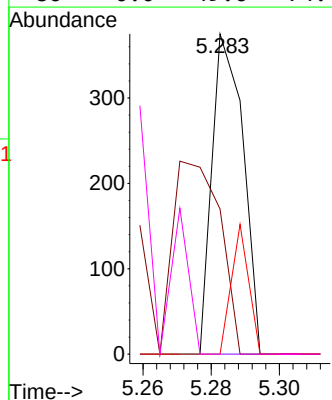
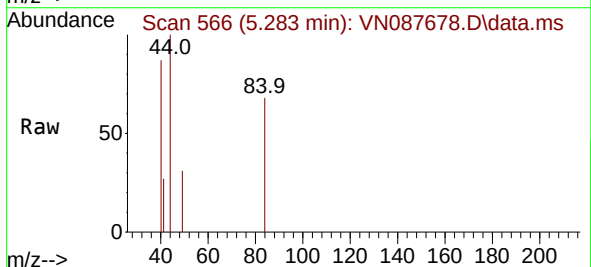
Instrument :
MSVOA_N
ClientSampleId :
VN0828WBL01

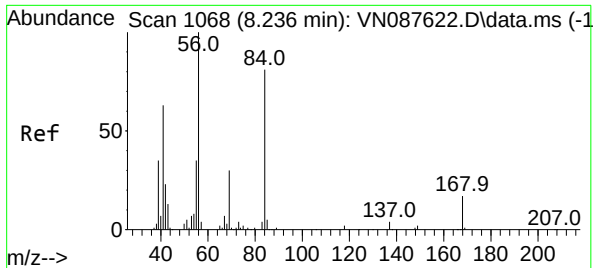
Tgt Ion: 43 Resp: 624
Ion Ratio Lower Upper
43 100
58 43.9 22.6 33.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 5.283 min Scan# 566
Delta R.T. 0.018 min
Lab File: VN087678.D
Acq: 28 Aug 2025 12:30

Tgt Ion: 84 Resp: 237
Ion Ratio Lower Upper
84 100
49 45.3 103.4 155.2#
51 0.0 33.8 50.8#
86 0.0 49.6 74.4#

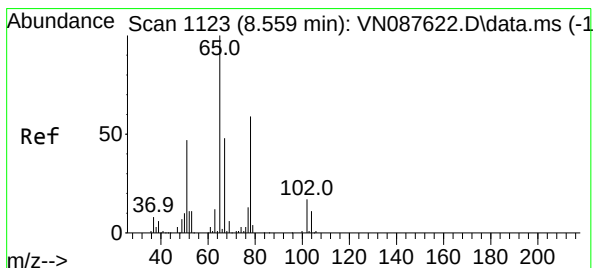
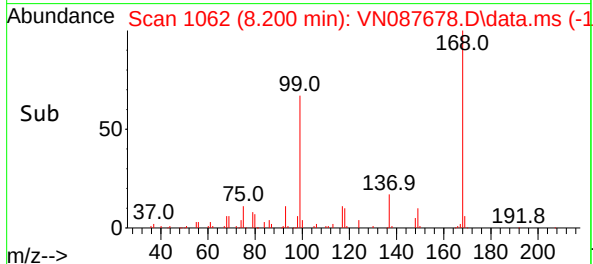
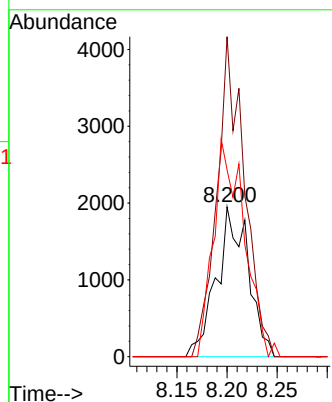
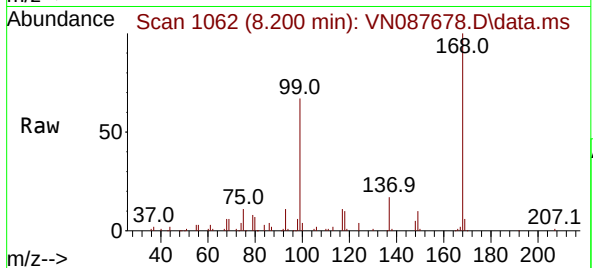




#31
Cyclohexane
Concen: 0.984 ug/l
RT: 8.200 min Scan# 1062
Delta R.T. -0.036 min
Lab File: VN087678.D
Acq: 28 Aug 2025 12:30

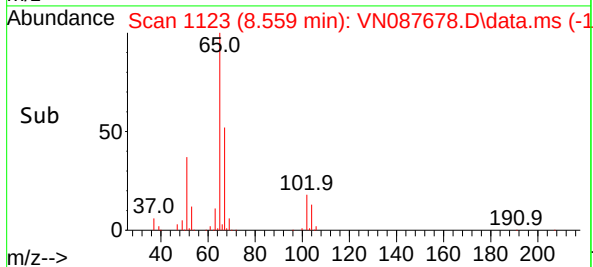
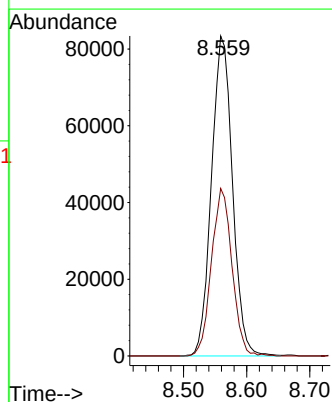
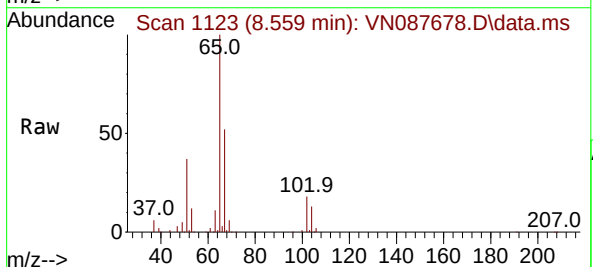
Instrument :
MSVOA_N
ClientSampleId :
VN0828WBL01

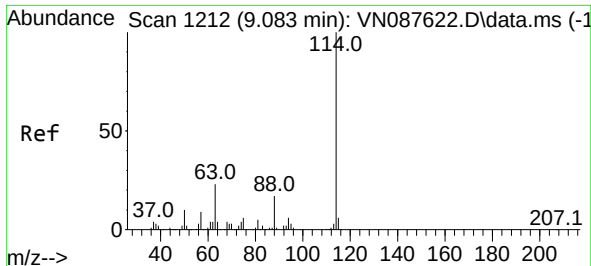
Tgt Ion: 56 Resp: 4282
Ion Ratio Lower Upper
56 100
69 213.6 23.7 35.5#
84 124.7 64.7 97.1#



#33
1,2-Dichloroethane-d4
Concen: 55.717 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.000 min
Lab File: VN087678.D
Acq: 28 Aug 2025 12:30

Tgt Ion: 65 Resp: 192758
Ion Ratio Lower Upper
65 100
67 51.2 0.0 100.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.082 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN087678.D

Acq: 28 Aug 2025 12:30

Instrument :

MSVOA_N

ClientSampleId :

VN0828WBL01

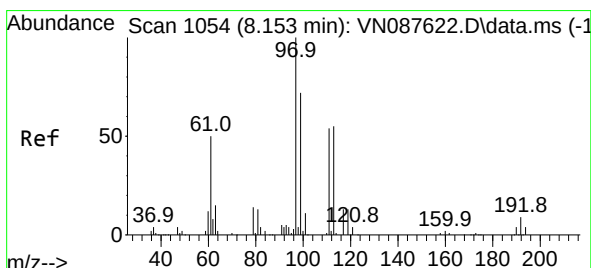
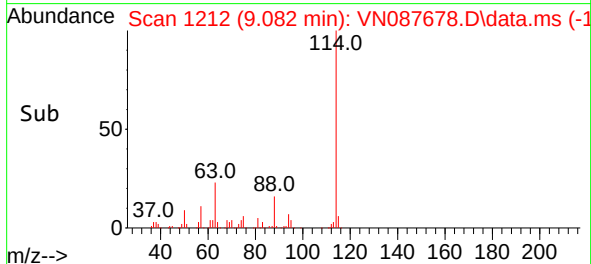
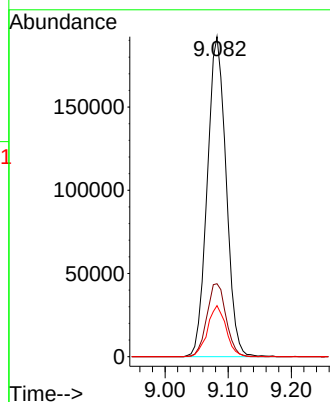
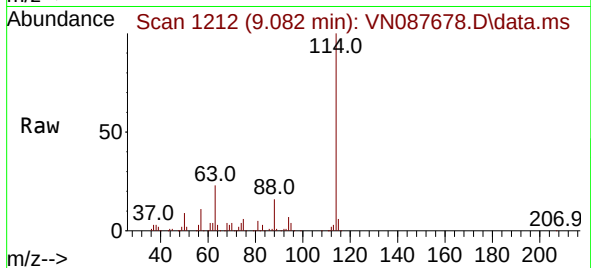
Tgt Ion:114 Resp: 397557

Ion Ratio Lower Upper

114 100

63 22.8 0.0 45.2

88 16.0 0.0 33.4



#35

Dibromofluoromethane

Concen: 50.089 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. -0.006 min

Lab File: VN087678.D

Acq: 28 Aug 2025 12:30

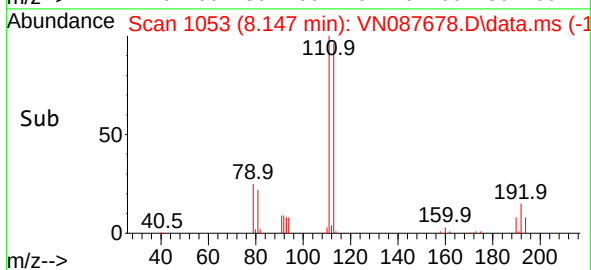
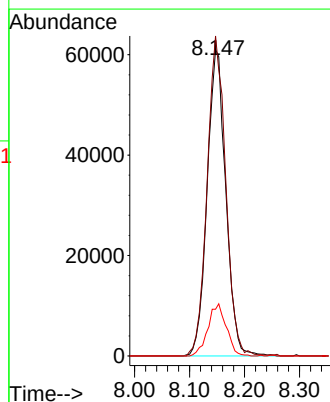
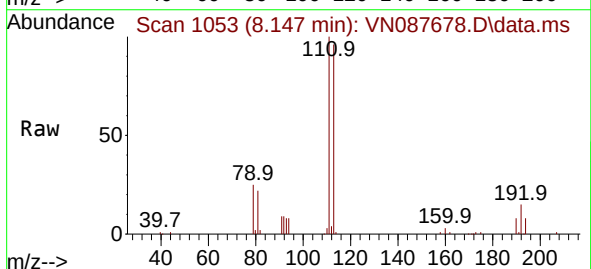
Tgt Ion:113 Resp: 143774

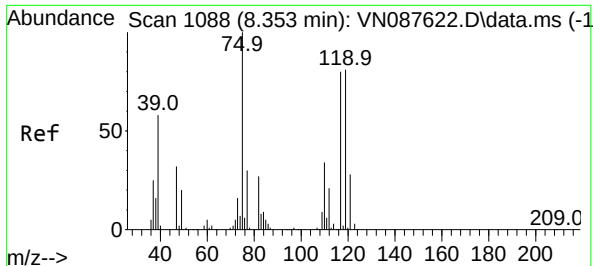
Ion Ratio Lower Upper

113 100

111 104.1 82.8 124.2

192 16.8 12.8 19.2

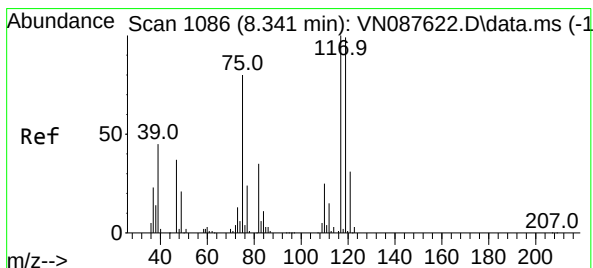
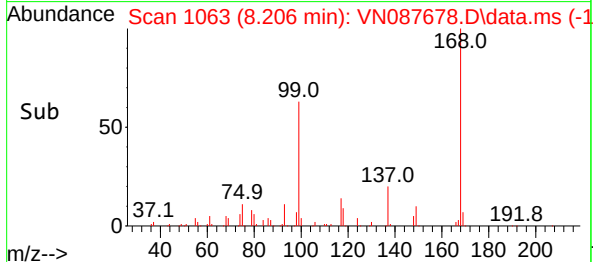
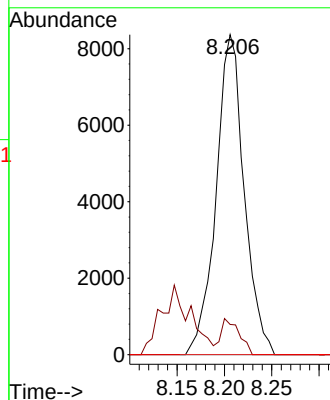
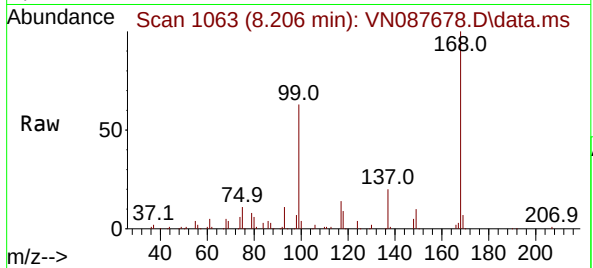




#36
1,1-Dichloropropene
Concen: 3.923 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.147 min
Lab File: VN087678.D
Acq: 28 Aug 2025 12:30

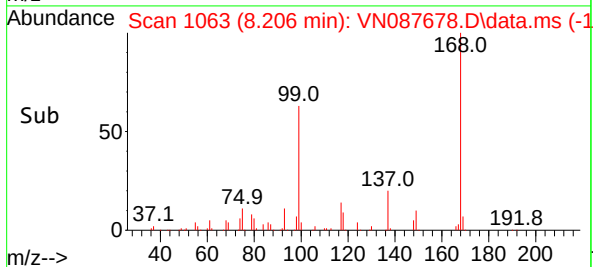
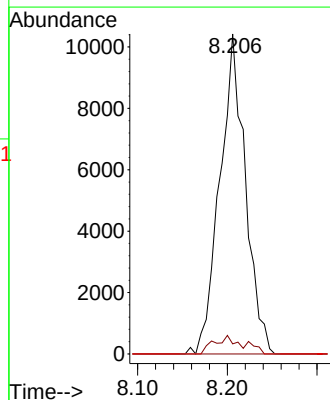
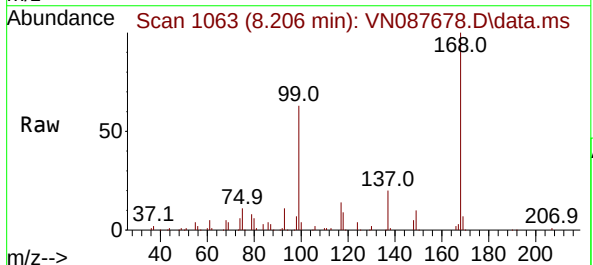
Instrument :
MSVOA_N
ClientSampleId :
VN0828WBL01

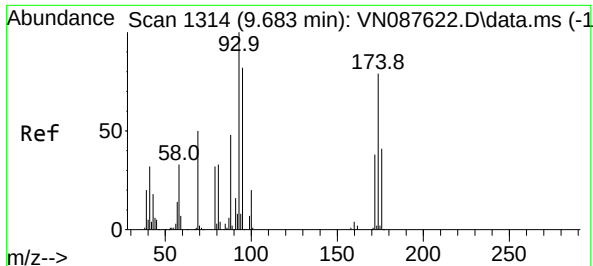
Tgt Ion: 75 Resp: 17273
Ion Ratio Lower Upper
75 100
110 7.4 15.9 47.6#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 4.741 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.136 min
Lab File: VN087678.D
Acq: 28 Aug 2025 12:30

Tgt Ion: 117 Resp: 20611
Ion Ratio Lower Upper
117 100
119 3.1 79.0 118.6#
121 0.0 25.0 37.6#





#49

1,4-Dioxane

Concen: 1.250 ug/l

RT: 9.676 min Scan# 1

Delta R.T. -0.006 min

Lab File: VN087678.D

Acq: 28 Aug 2025 12:30

Instrument :

MSVOA_N

ClientSampleId :

VN0828WBL01

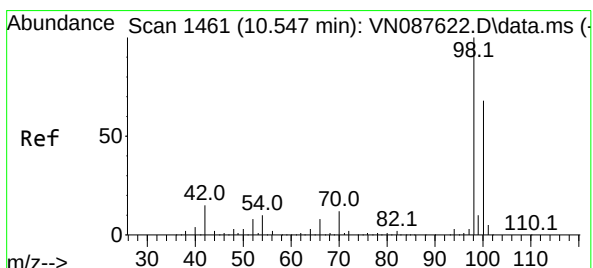
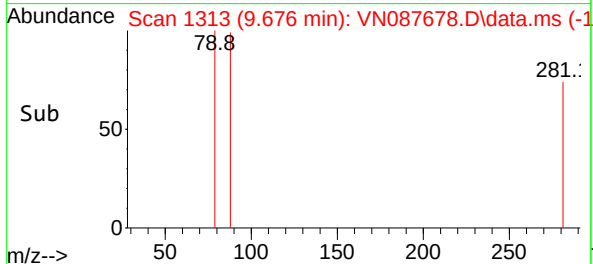
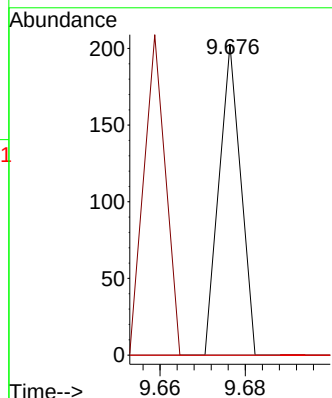
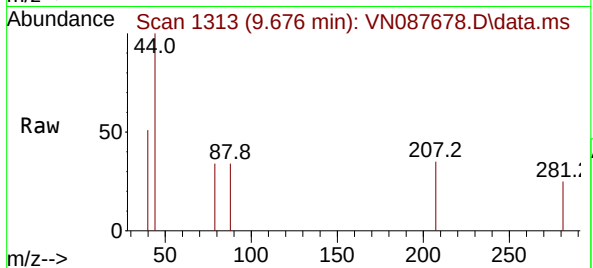
Tgt Ion: 88 Resp: 72

Ion Ratio Lower Upper

88 100

43 102.8 0.0 0.0#

58 0.0 57.9 86.9#



#50

Toluene-d8

Concen: 47.764 ug/l

RT: 10.541 min Scan# 1460

Delta R.T. -0.006 min

Lab File: VN087678.D

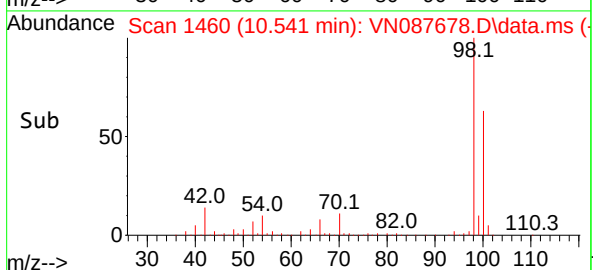
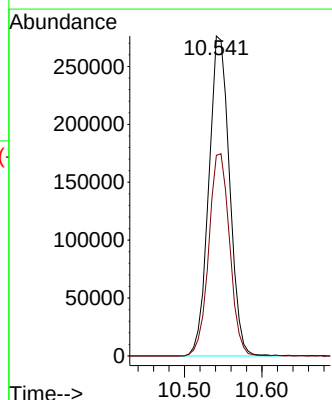
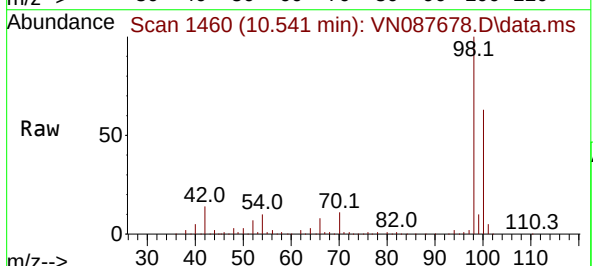
Acq: 28 Aug 2025 12:30

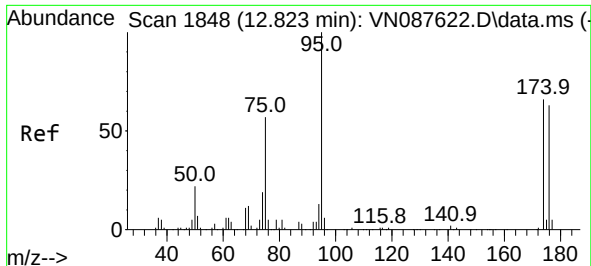
Tgt Ion: 98 Resp: 513138

Ion Ratio Lower Upper

98 100

100 63.6 52.8 79.2

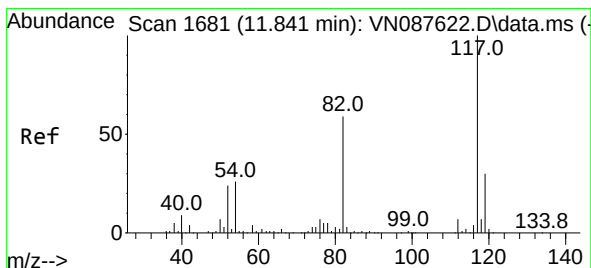
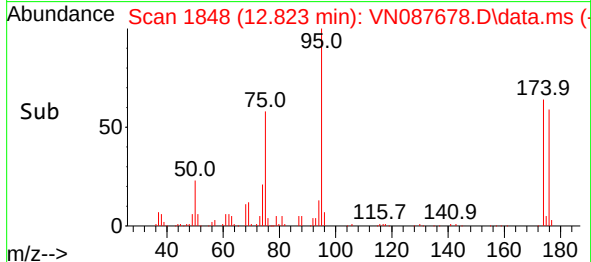
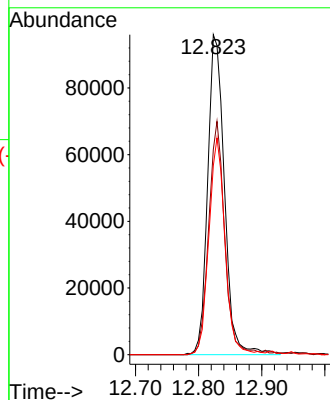
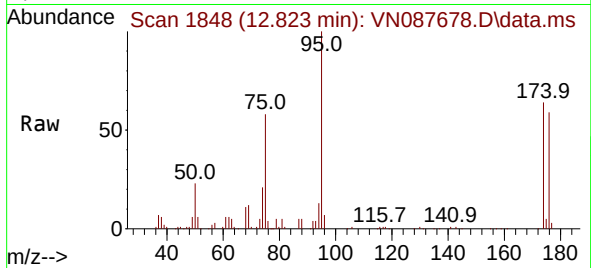




#62
4-Bromofluorobenzene
Concen: 46.336 ug/l
RT: 12.823 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN087678.D
Acq: 28 Aug 2025 12:30

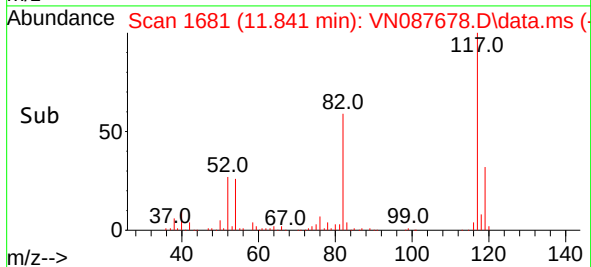
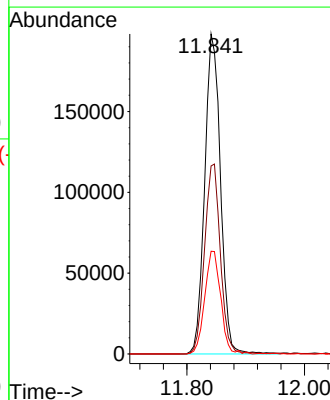
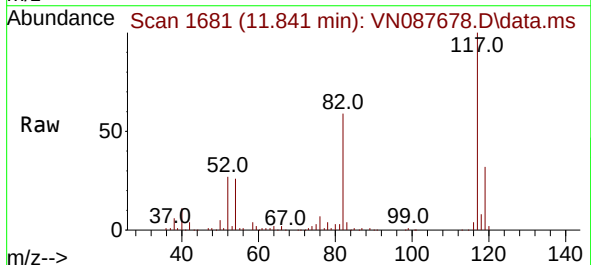
Instrument :
MSVOA_N
ClientSampleId :
VN0828WBL01

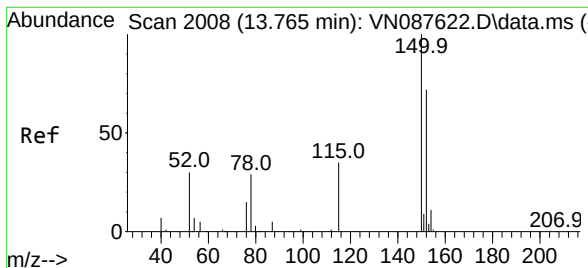
Tgt Ion: 95 Resp: 177034
Ion Ratio Lower Upper
95 100
174 69.5 0.0 138.4
176 65.6 0.0 132.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VN087678.D
Acq: 28 Aug 2025 12:30

Tgt Ion: 117 Resp: 369375
Ion Ratio Lower Upper
117 100
82 58.7 47.4 71.2
119 32.1 24.3 36.5

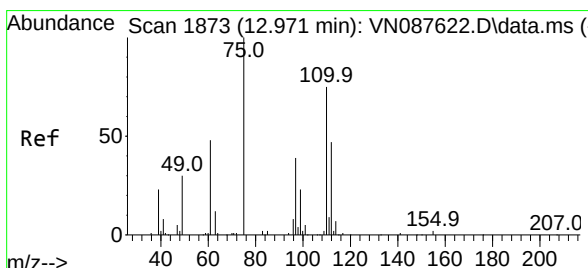
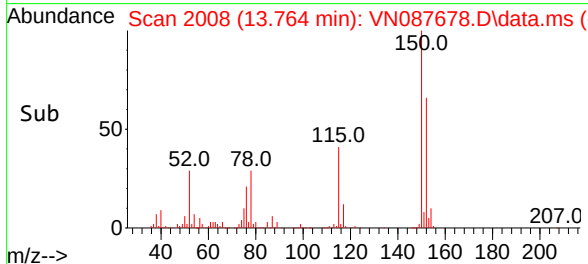
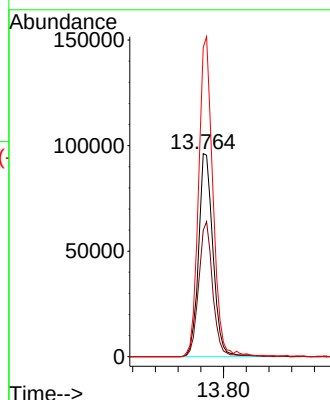
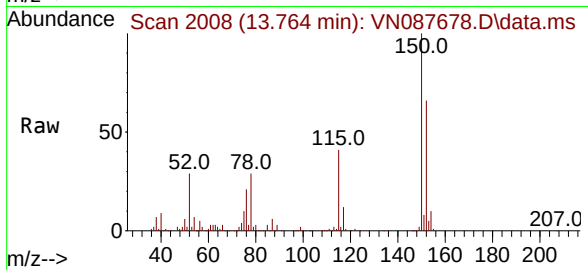




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.764 min Scan# 2008
 Delta R.T. -0.000 min
 Lab File: VN087678.D
 Acq: 28 Aug 2025 12:30

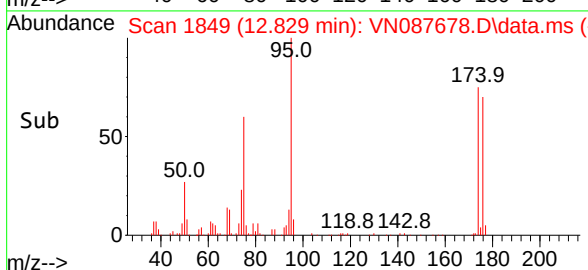
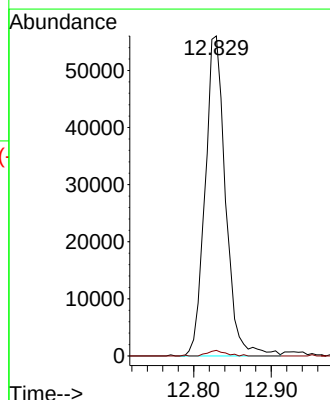
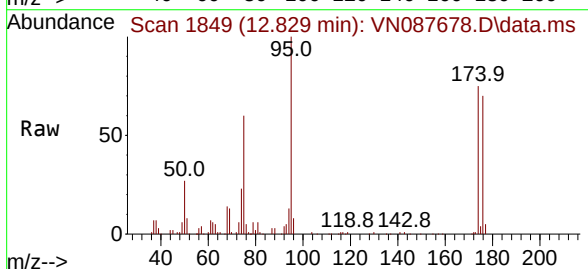
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0828WBL01

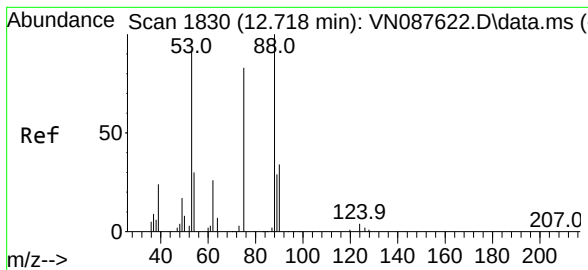
Tgt Ion:152 Resp: 170185
 Ion Ratio Lower Upper
 152 100
 115 65.1 32.3 96.8
 150 155.5 0.0 351.0



#76
 1,2,3-Trichloropropane
 Concen: 25.770 ug/l
 RT: 12.829 min Scan# 1849
 Delta R.T. -0.141 min
 Lab File: VN087678.D
 Acq: 28 Aug 2025 12:30

Tgt Ion: 75 Resp: 102845
 Ion Ratio Lower Upper
 75 100
 77 1.5 89.1 267.4#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 68.222 ug/l
 RT: 12.829 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN087678.D
 Acq: 28 Aug 2025 12:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0828WBL01

Tgt Ion: 75 Resp: 102845
 Ion Ratio Lower Upper
 75 100
 53 0.1 101.8 152.6#
 89 0.1 35.6 53.4#

