

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103125\
 Data File : VN088182.D
 Acq On : 31 Oct 2025 12:58
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Nov 01 00:31:35 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 25 00:15:22 2025
 Response via : Initial Calibration

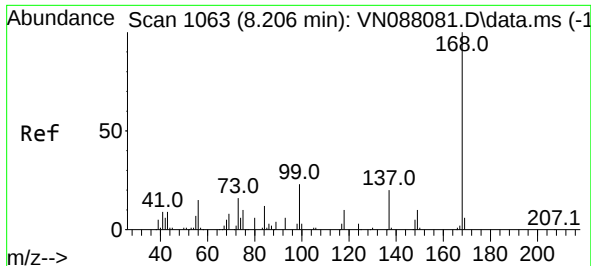
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.206	168	368566	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	840704	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	792507	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.771	152	384412	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	351830	55.204	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	110.400%
35) Dibromofluoromethane	8.147	113	266640	47.210	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	94.420%
50) Toluene-d8	10.541	98	1006105	46.232	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	92.460%
62) 4-Bromofluorobenzene	12.829	95	398199	51.811	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	103.620%
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.589	142	60	4.224	ug/l #	38
18) Methyl Acetate	5.030	43	1397	0.213	ug/l #	63
20) Methylene Chloride	5.253	84	356	0.843	ug/l #	5
31) Cyclohexane	8.200	56	10601	1.188	ug/l #	6
36) 1,1-Dichloropropene	8.206	75	36893	4.474	ug/l #	50
38) Carbon Tetrachloride	8.206	117	43196	5.072	ug/l #	15
51) 4-Methyl-2-Pentanone	10.541	43	5489	0.567	ug/l #	1
76) 1,2,3-Trichloropropane	12.829	75	221990	25.258	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.829	75	221990	70.458	ug/l #	1

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

Quant Time: Nov 01 00:31:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260
QLast Update : Sat Oct 25 00:15:22 2025
Response via : Initial Calibration

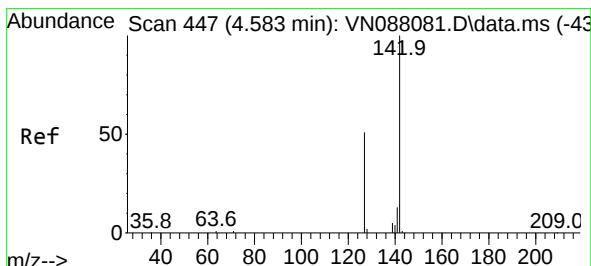
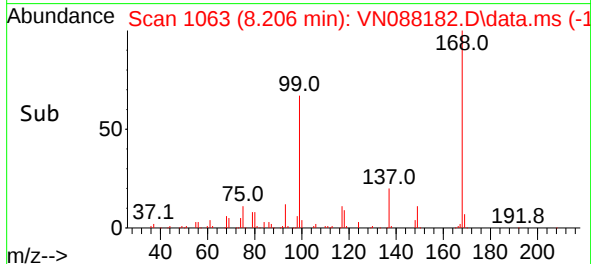
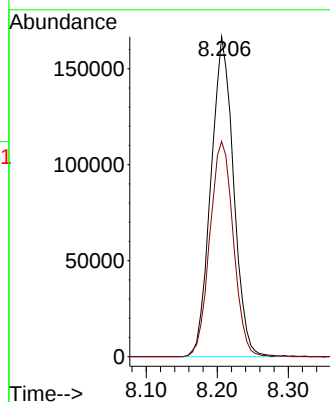
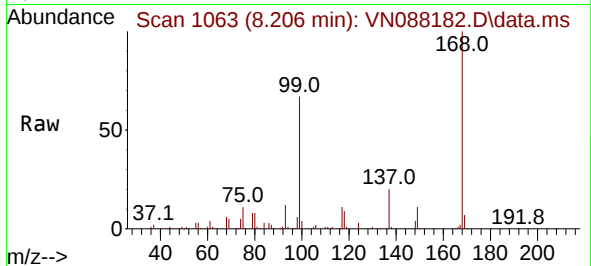




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VN088182.D
Acq: 31 Oct 2025 12:58

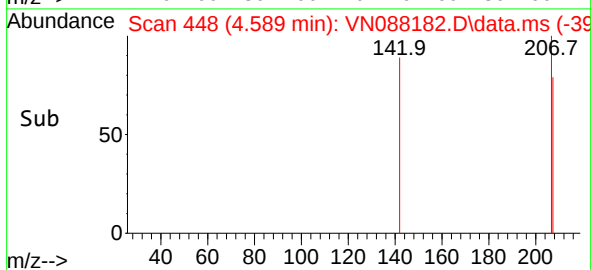
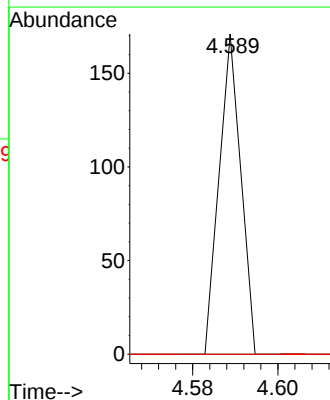
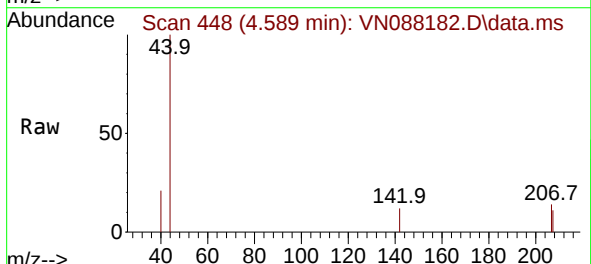
Instrument :
MSVOA_N
ClientSampleId :
IBLK

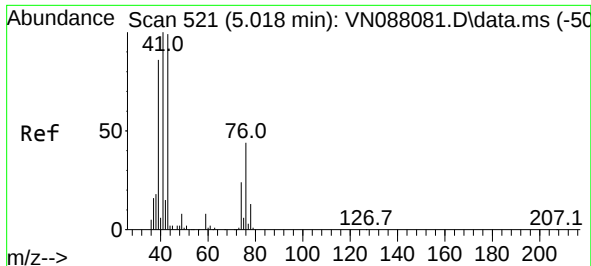
Tgt Ion:168 Resp: 368566
Ion Ratio Lower Upper
168 100
99 67.2 57.2 85.8



#10
Methyl Iodide
Concen: 4.224 ug/l
RT: 4.589 min Scan# 448
Delta R.T. 0.012 min
Lab File: VN088182.D
Acq: 31 Oct 2025 12:58

Tgt Ion:142 Resp: 60
Ion Ratio Lower Upper
142 100
127 0.0 38.0 57.0#
141 0.0 12.0 18.0#

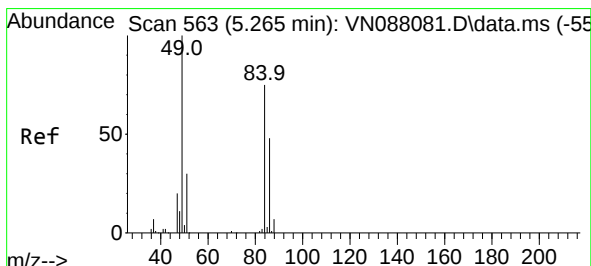
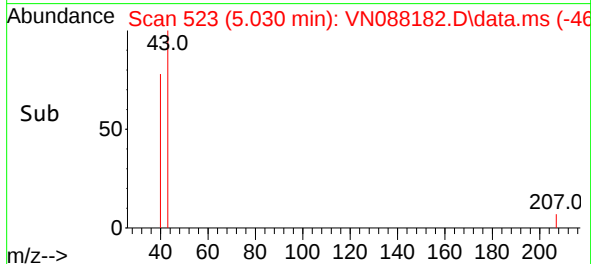
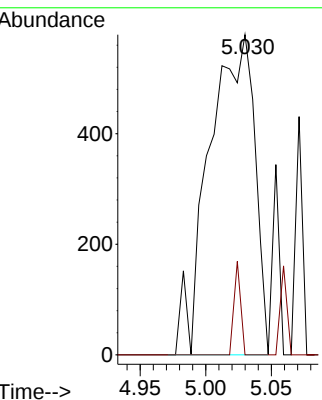
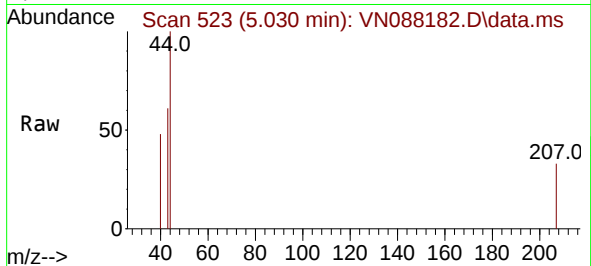




#18
Methyl Acetate
Concen: 0.213 ug/l
RT: 5.030 min Scan# 51
Delta R.T. 0.018 min
Lab File: VN088182.D
Acq: 31 Oct 2025 12:58

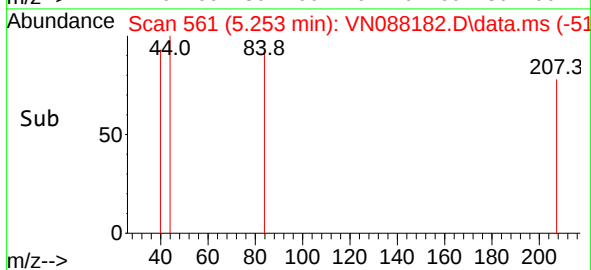
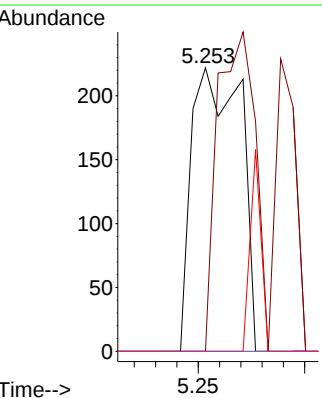
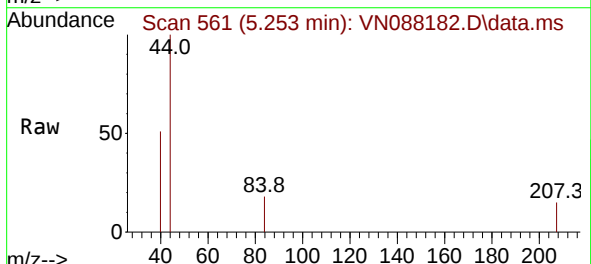
Instrument :
MSVOA_N
ClientSampleId :
IBLK

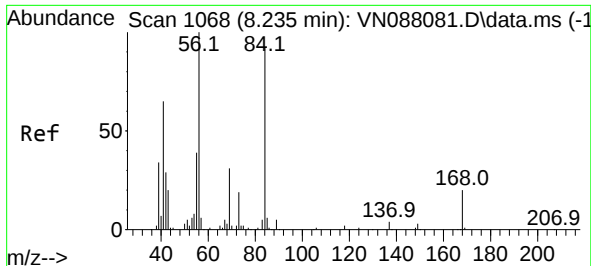
Tgt Ion: 43 Resp: 1397
Ion Ratio Lower Upper
43 100
74 4.3 17.6 26.4#



#20
Methylene Chloride
Concen: 0.843 ug/l
RT: 5.253 min Scan# 561
Delta R.T. -0.012 min
Lab File: VN088182.D
Acq: 31 Oct 2025 12:58

Tgt Ion: 84 Resp: 356
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#

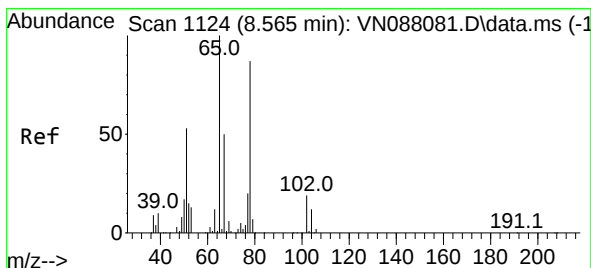
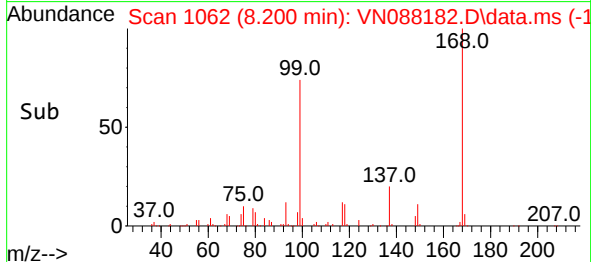
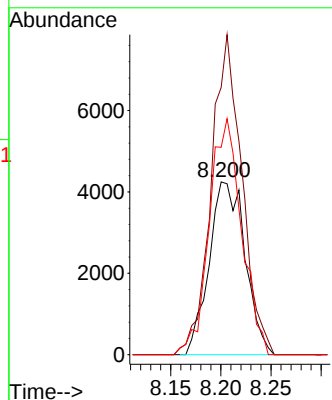
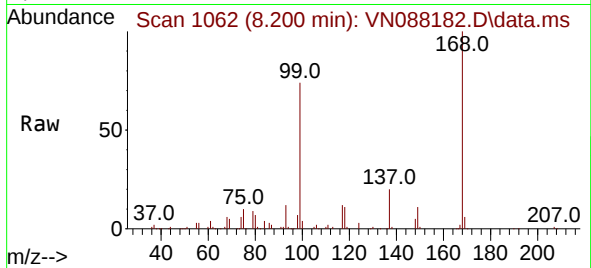




#31
Cyclohexane
Concen: 1.188 ug/l
RT: 8.200 min Scan# 1060
Delta R.T. -0.035 min
Lab File: VN088182.D
Acq: 31 Oct 2025 12:58

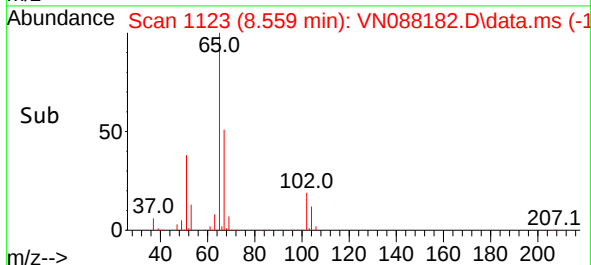
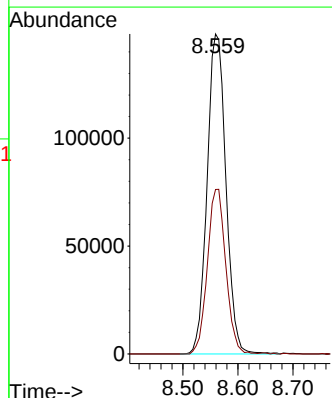
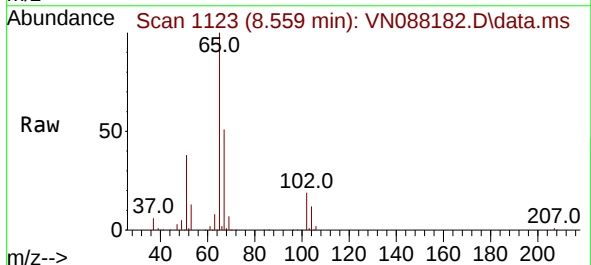
Instrument :
MSVOA_N
ClientSampleId :
IBLK

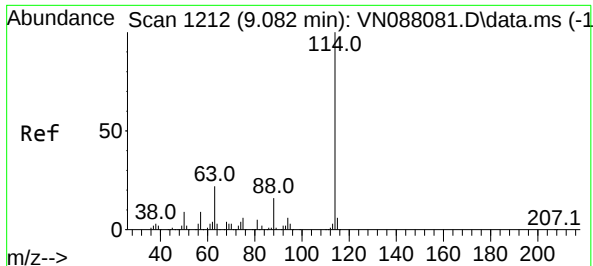
Tgt Ion: 56 Resp: 10601
Ion Ratio Lower Upper
56 100
69 154.7 23.7 35.5#
84 120.0 64.7 97.1#



#33
1,2-Dichloroethane-d4
Concen: 55.204 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. 0.000 min
Lab File: VN088182.D
Acq: 31 Oct 2025 12:58

Tgt Ion: 65 Resp: 351830
Ion Ratio Lower Upper
65 100
67 50.5 0.0 100.0

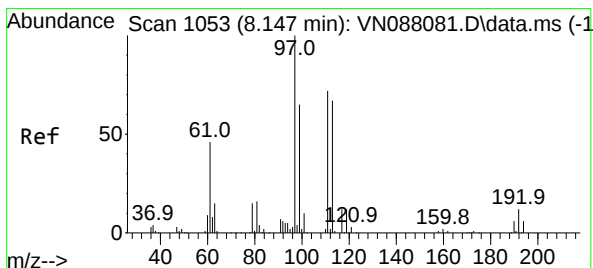
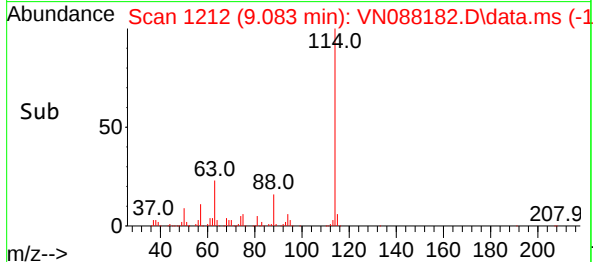
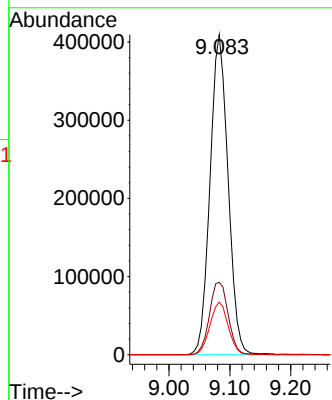
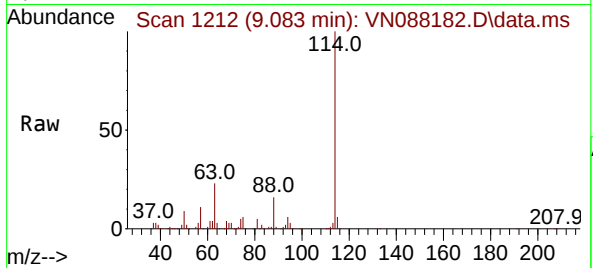




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.083 min Scan# 114
Delta R.T. 0.000 min
Lab File: VN088182.D
Acq: 31 Oct 2025 12:58

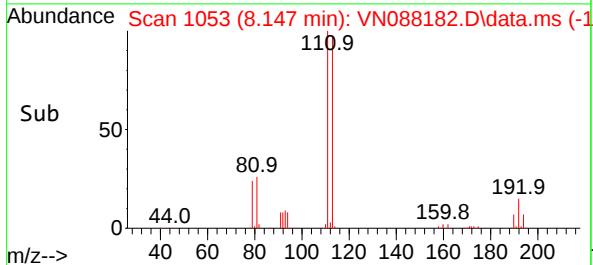
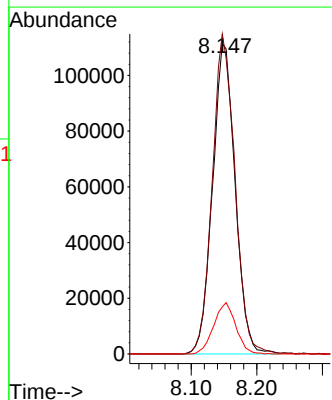
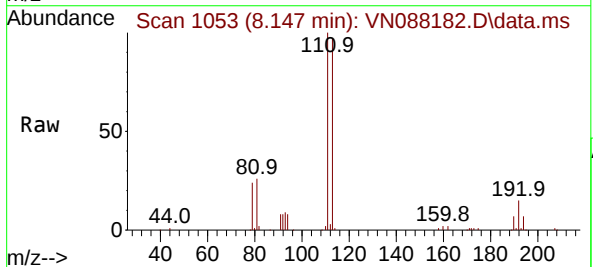
Instrument :
MSVOA_N
ClientSampleId :
IBLK

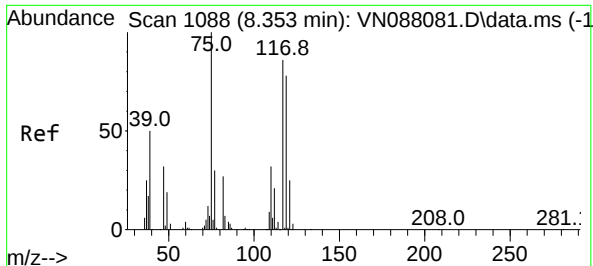
Tgt Ion:114 Resp: 840704
Ion Ratio Lower Upper
114 100
63 22.6 0.0 45.2
88 16.5 0.0 33.4



#35
Dibromofluoromethane
Concen: 47.210 ug/l
RT: 8.147 min Scan# 1053
Delta R.T. -0.006 min
Lab File: VN088182.D
Acq: 31 Oct 2025 12:58

Tgt Ion:113 Resp: 266640
Ion Ratio Lower Upper
113 100
111 103.4 82.8 124.2
192 16.2 12.8 19.2





#36

1,1-Dichloropropene

Concen: 4.474 ug/l

RT: 8.206 min Scan# 1063

Delta R.T. -0.147 min

Lab File: VN088182.D

Acq: 31 Oct 2025 12:58

Instrument :

MSVOA_N

ClientSampleId :

IBLK

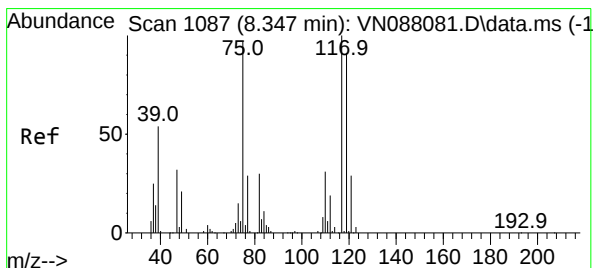
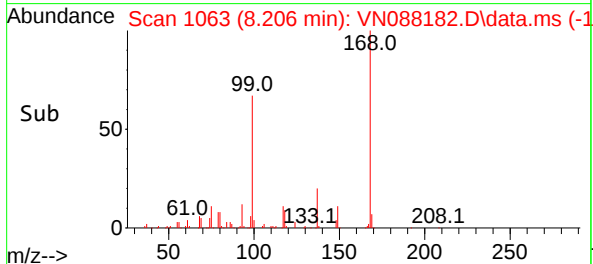
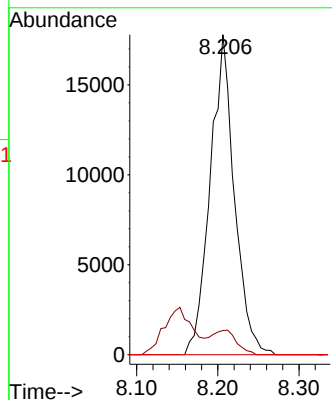
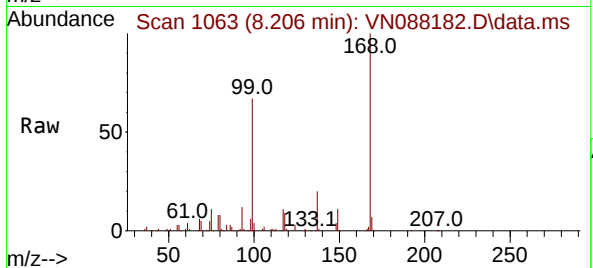
Tgt Ion: 75 Resp: 36893

Ion Ratio Lower Upper

75 100

110 7.3 15.9 47.6#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 5.072 ug/l

RT: 8.206 min Scan# 1063

Delta R.T. -0.135 min

Lab File: VN088182.D

Acq: 31 Oct 2025 12:58

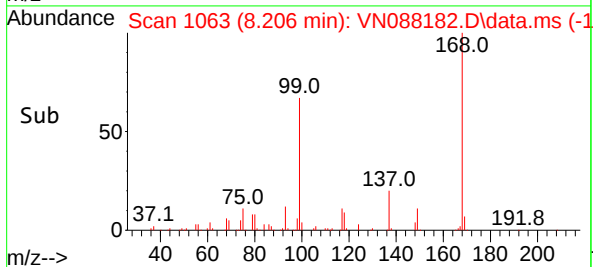
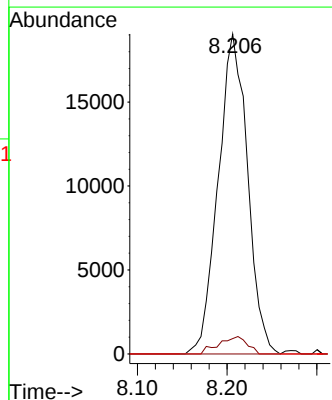
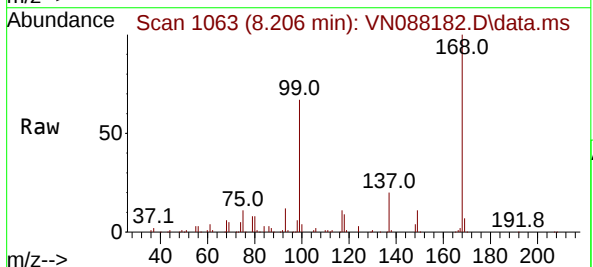
Tgt Ion: 117 Resp: 43196

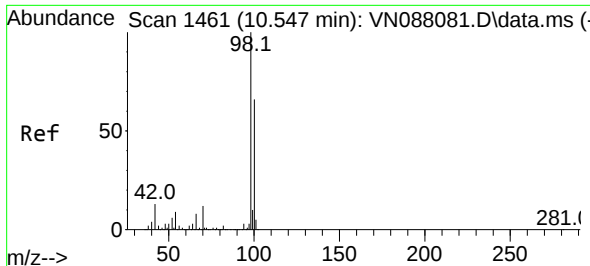
Ion Ratio Lower Upper

117 100

119 4.8 79.0 118.6#

121 0.0 25.0 37.6#

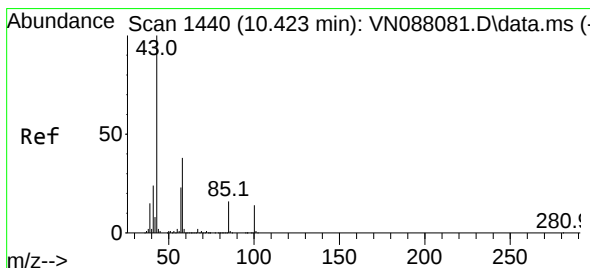
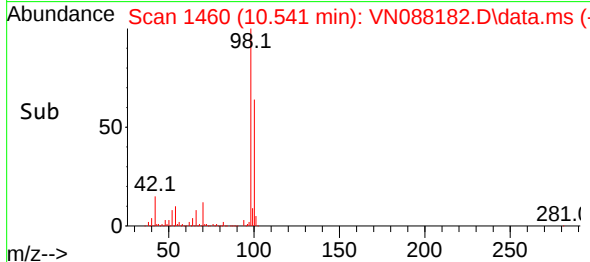
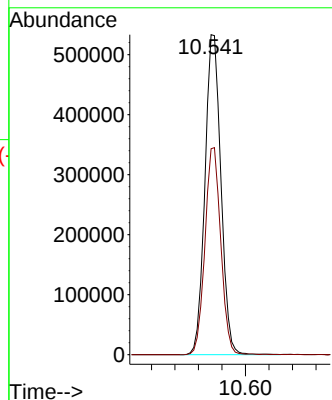
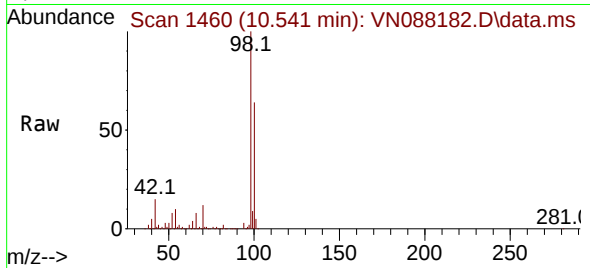




#50
Toluene-d8
Concen: 46.232 ug/l
RT: 10.541 min Scan# 1460
Delta R.T. -0.006 min
Lab File: VN088182.D
Acq: 31 Oct 2025 12:58

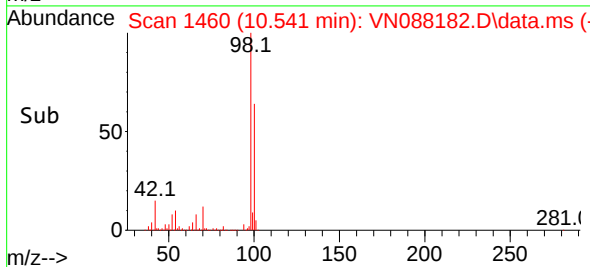
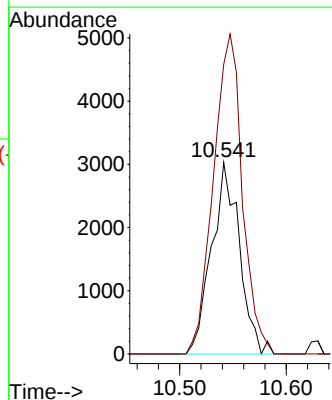
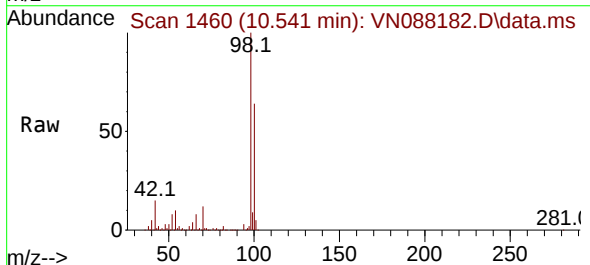
Instrument :
MSVOA_N
ClientSampleId :
IBLK

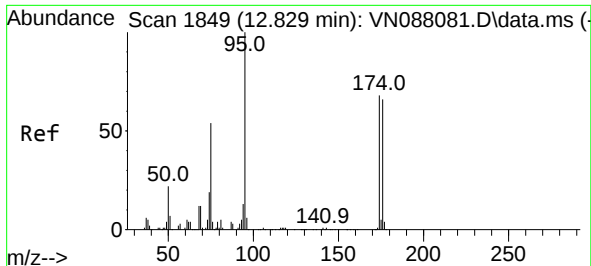
Tgt Ion: 98 Resp: 1006105
Ion Ratio Lower Upper
98 100
100 64.0 52.8 79.2



#51
4-Methyl-2-Pentanone
Concen: 0.567 ug/l
RT: 10.541 min Scan# 1460
Delta R.T. 0.118 min
Lab File: VN088182.D
Acq: 31 Oct 2025 12:58

Tgt Ion: 43 Resp: 5489
Ion Ratio Lower Upper
43 100
58 174.0 29.6 44.4#

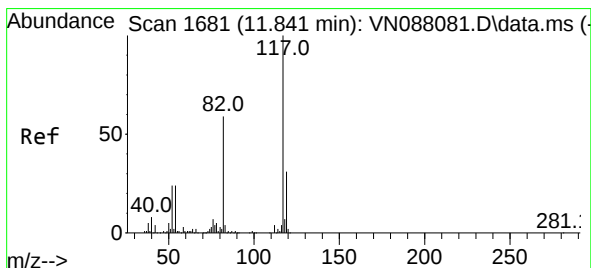
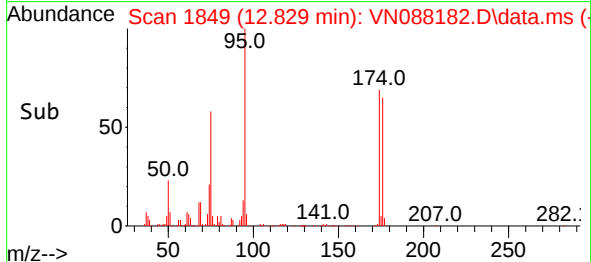
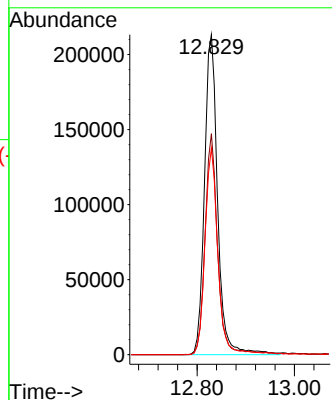
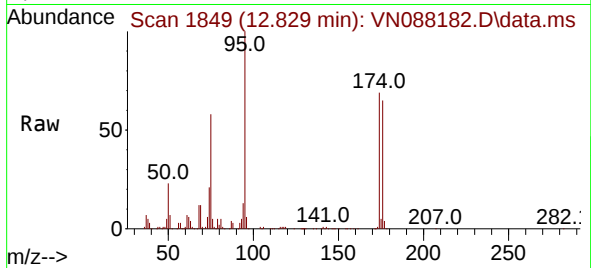




#62
4-Bromofluorobenzene
Concen: 51.811 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN088182.D
Acq: 31 Oct 2025 12:58

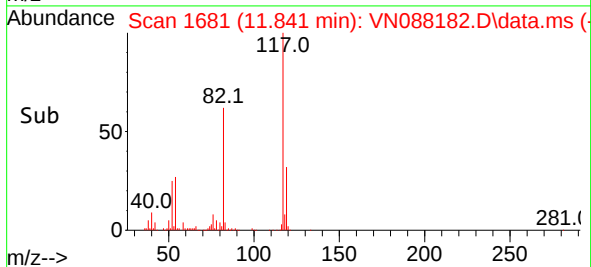
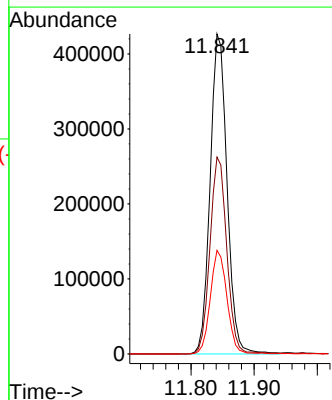
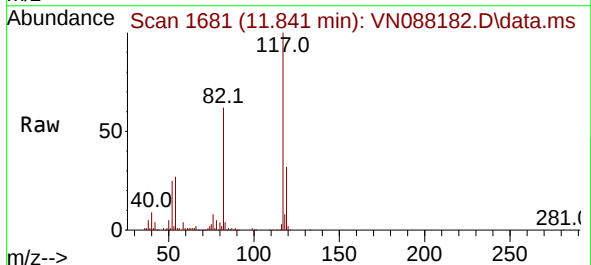
Instrument :
MSVOA_N
ClientSampleId :
IBLK

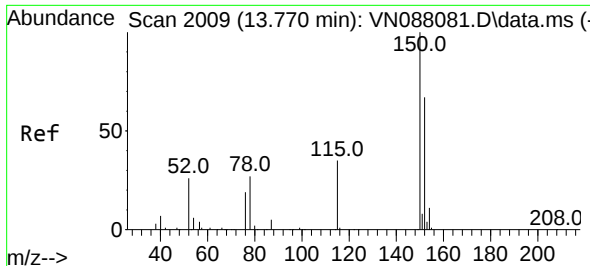
Tgt Ion: 95 Resp: 398199
Ion Ratio Lower Upper
95 100
174 66.3 0.0 138.4
176 63.1 0.0 132.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VN088182.D
Acq: 31 Oct 2025 12:58

Tgt Ion: 117 Resp: 792507
Ion Ratio Lower Upper
117 100
82 61.5 47.4 71.2
119 32.4 24.3 36.5

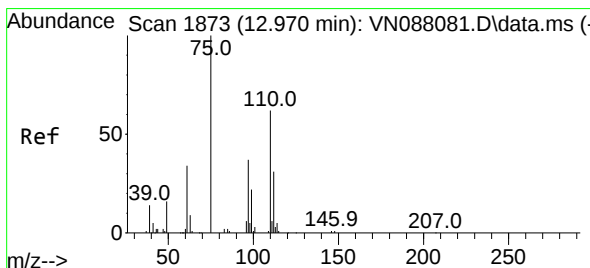
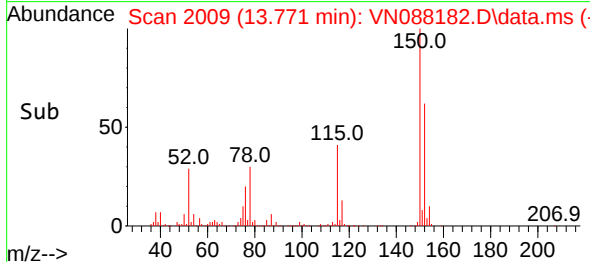
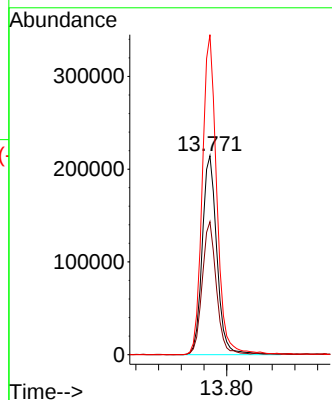
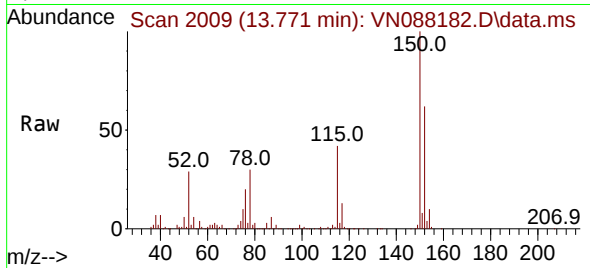




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.771 min Scan# 2009
 Delta R.T. 0.006 min
 Lab File: VN088182.D
 Acq: 31 Oct 2025 12:58

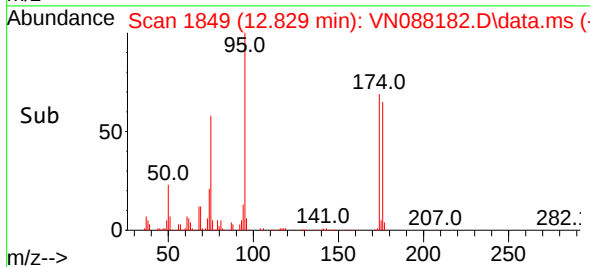
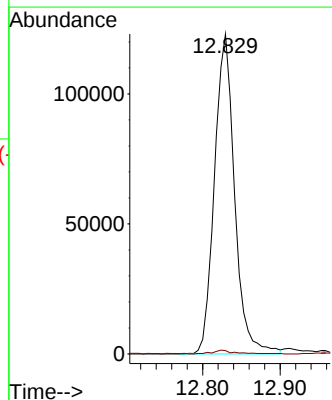
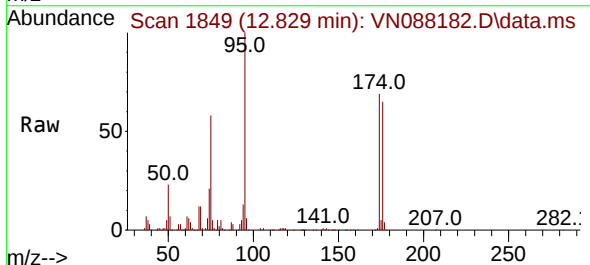
Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

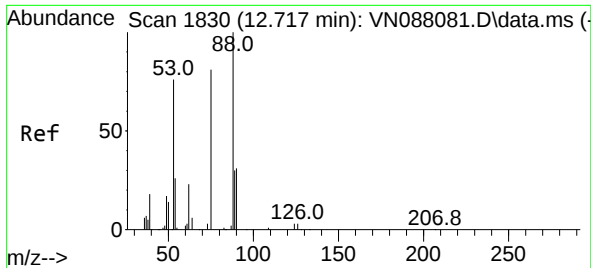
Tgt Ion:152 Resp: 384412
 Ion Ratio Lower Upper
 152 100
 115 64.9 32.3 96.8
 150 158.9 0.0 351.0



#76
 1,2,3-Trichloropropane
 Concen: 25.258 ug/l
 RT: 12.829 min Scan# 1849
 Delta R.T. -0.141 min
 Lab File: VN088182.D
 Acq: 31 Oct 2025 12:58

Tgt Ion: 75 Resp: 221990
 Ion Ratio Lower Upper
 75 100
 77 1.3 89.1 267.4#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 70.458 ug/l
 RT: 12.829 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN088182.D
 Acq: 31 Oct 2025 12:58

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Tgt Ion: 75 Resp: 221990
 Ion Ratio Lower Upper
 75 100
 53 0.0 101.8 152.6#
 89 0.0 35.6 53.4#

