

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091125\
 Data File : VN087799.D
 Acq On : 11 Sep 2025 15:45
 Operator : JC\MD
 Sample : Q3078-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 250910064-01-TRIP-BLANK

Quant Time: Sep 12 02:54:32 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

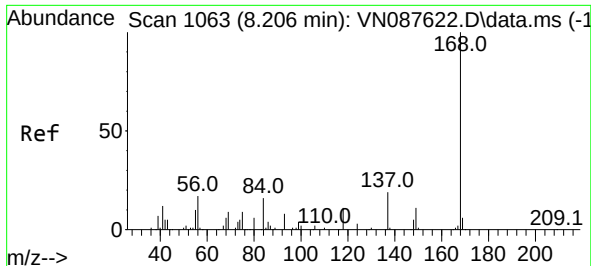
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.206	168	174645	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	403546	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	384181	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	178191	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	183326	51.233	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.460%			
35) Dibromofluoromethane	8.147	113	149041	51.154	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.300%			
50) Toluene-d8	10.547	98	524851	48.129	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 96.260%			
62) 4-Bromofluorobenzene	12.829	95	170158	43.876	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 87.760%			
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.606	142	121	6.868	ug/l #	38
11) Tert butyl alcohol	5.512	59	127	0.204	ug/l #	71
17) Carbon Disulfide	4.712	76	3704	0.534	ug/l #	74
25) 2-Butanone	7.477	43	819	0.320	ug/l #	50
30) Chloroform	7.959	83	1546	0.281	ug/l #	79
31) Cyclohexane	8.206	56	5383	1.196	ug/l #	48
36) 1,1-Dichloropropene	8.206	75	17152	3.837	ug/l #	50
38) Carbon Tetrachloride	8.212	117	22010	4.987	ug/l #	17
76) 1,2,3-Trichloropropane	12.829	75	98965	23.683	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.829	75	98965	62.699	ug/l #	1

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

Quant Time: Sep 12 02:54:32 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

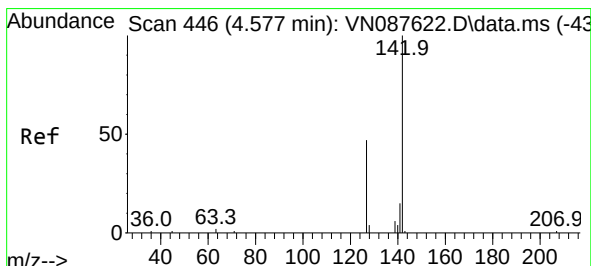
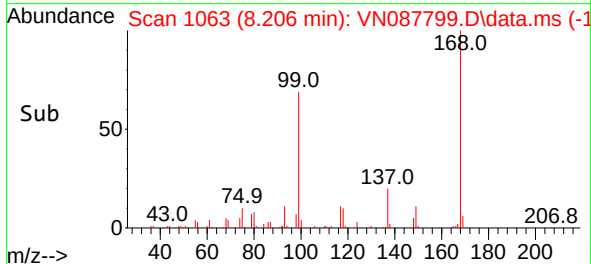
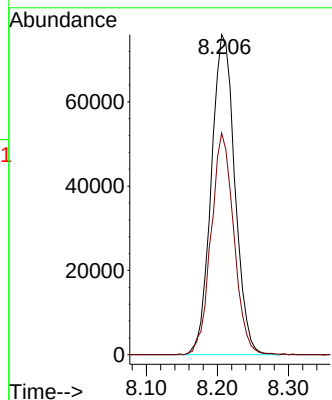
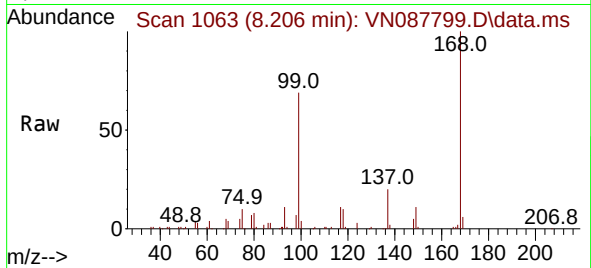




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.000 min
Lab File: VN087799.D
Acq: 11 Sep 2025 15:45

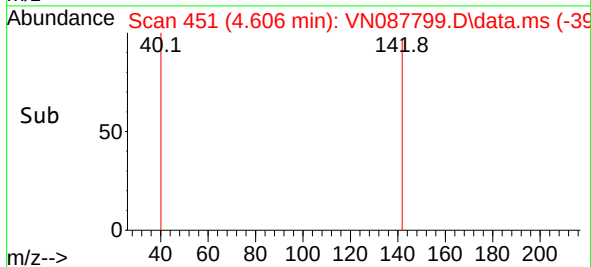
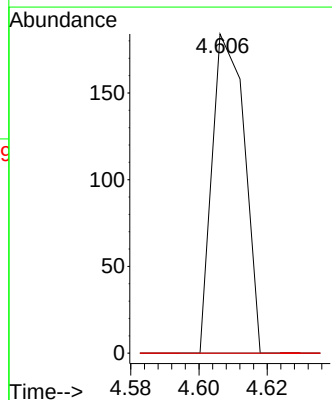
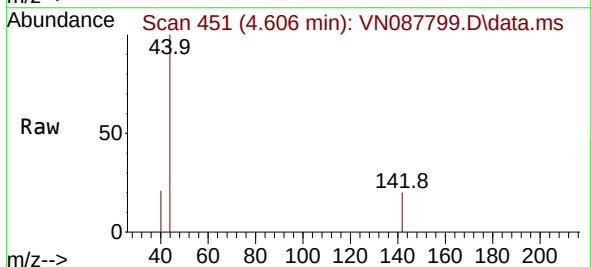
Instrument :
MSVOA_N
ClientSampleId :
250910064-01-TRIP-BLANK

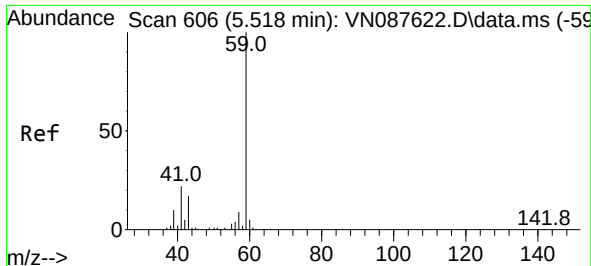
Tgt Ion:168 Resp: 174645
Ion Ratio Lower Upper
168 100
99 69.0 57.2 85.8



#10
Methyl Iodide
Concen: 6.868 ug/l
RT: 4.606 min Scan# 451
Delta R.T. 0.029 min
Lab File: VN087799.D
Acq: 11 Sep 2025 15:45

Tgt Ion:142 Resp: 121
Ion Ratio Lower Upper
142 100
127 0.0 38.0 57.0#
141 0.0 12.0 18.0#





#11

Tert butyl alcohol

Concen: 0.204 ug/l

RT: 5.512 min Scan# 606

Delta R.T. -0.006 min

Lab File: VN087799.D

Acq: 11 Sep 2025 15:45

Instrument :

MSVOA_N

ClientSampleId :

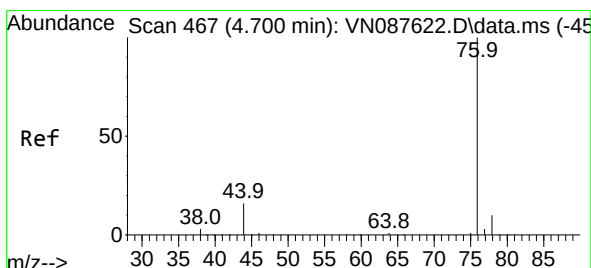
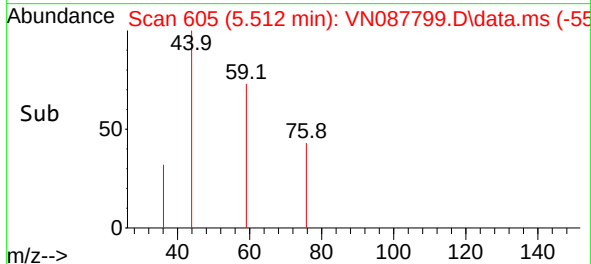
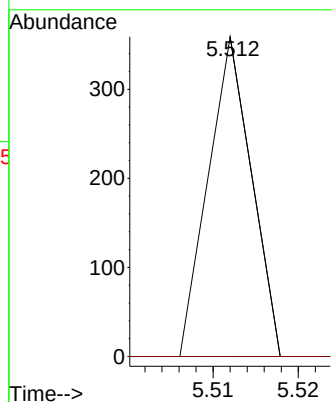
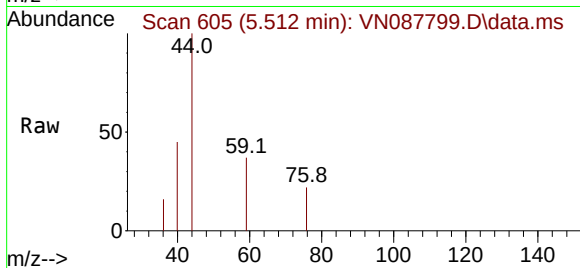
250910064-01-TRIP-BLANK

Tgt Ion: 59 Resp: 127

Ion Ratio Lower Upper

59 100

57 0.0 9.0 13.4#



#17

Carbon Disulfide

Concen: 0.534 ug/l

RT: 4.712 min Scan# 469

Delta R.T. 0.012 min

Lab File: VN087799.D

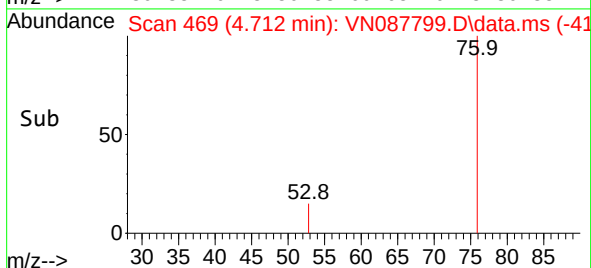
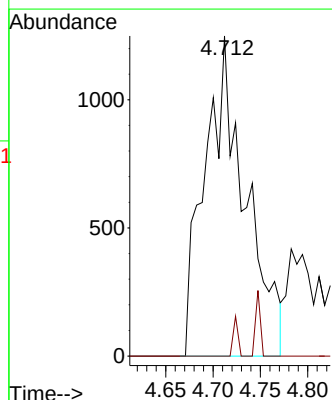
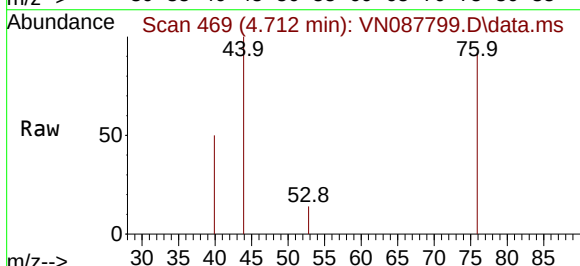
Acq: 11 Sep 2025 15:45

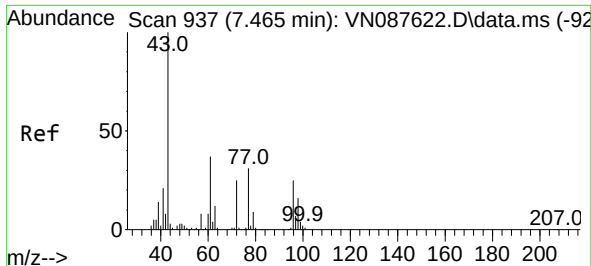
Tgt Ion: 76 Resp: 3704

Ion Ratio Lower Upper

76 100

78 0.0 7.6 11.4#

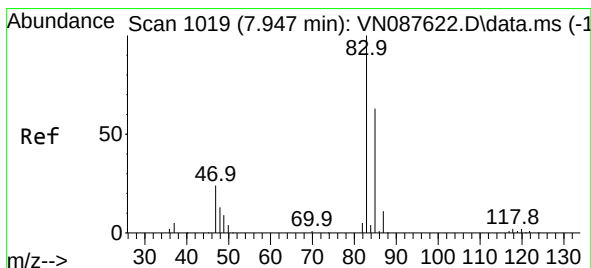
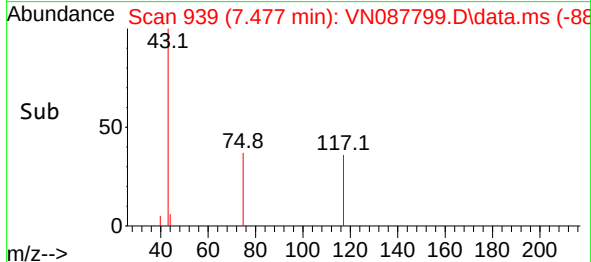
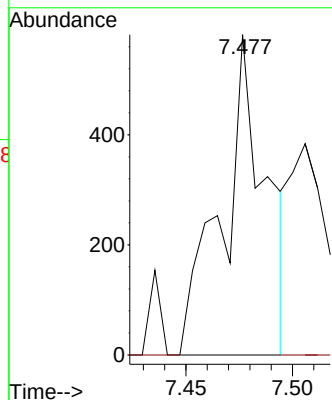
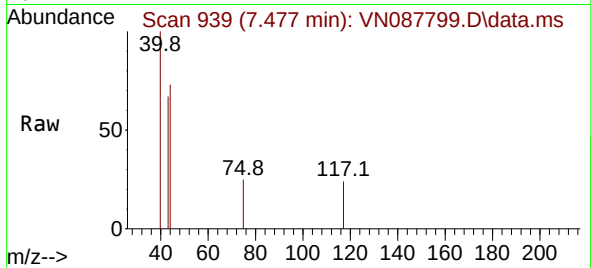




#25
2-Butanone
Concen: 0.320 ug/l
RT: 7.477 min Scan# 91
Delta R.T. 0.012 min
Lab File: VN087799.D
Acq: 11 Sep 2025 15:45

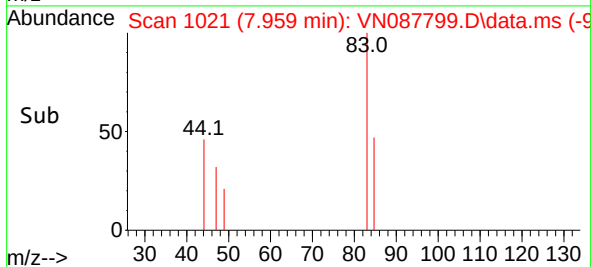
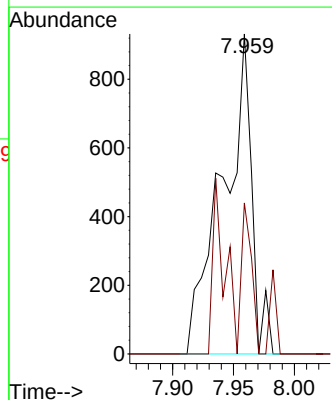
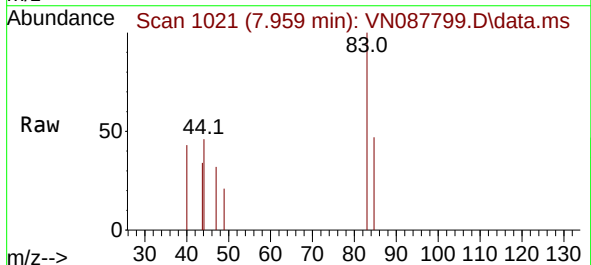
Instrument :
MSVOA_N
ClientSampleId :
250910064-01-TRIP-BLANK

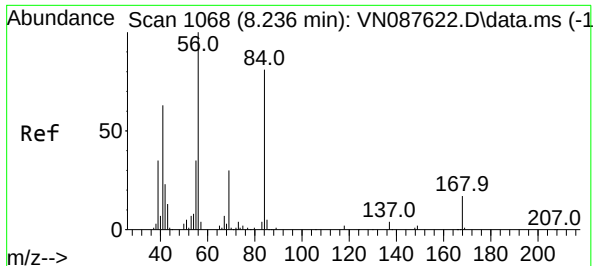
Tgt Ion: 43 Resp: 819
Ion Ratio Lower Upper
43 100
72 0.0 19.9 29.9#



#30
Chloroform
Concen: 0.281 ug/l
RT: 7.959 min Scan# 1021
Delta R.T. 0.012 min
Lab File: VN087799.D
Acq: 11 Sep 2025 15:45

Tgt Ion: 83 Resp: 1546
Ion Ratio Lower Upper
83 100
85 47.2 50.7 76.1#

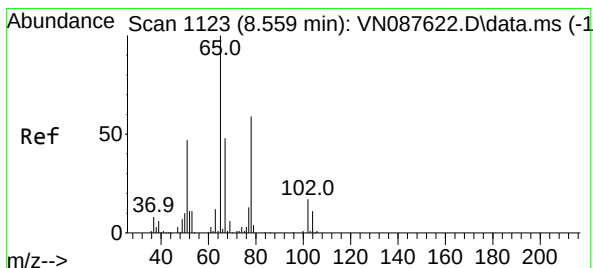
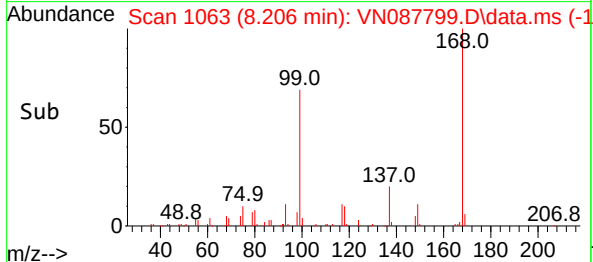
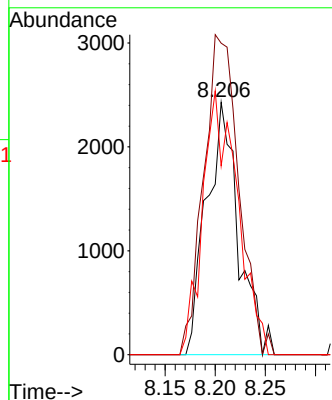
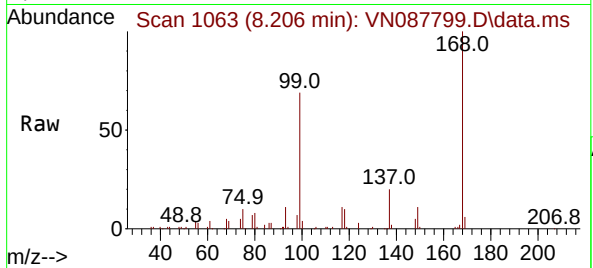




#31
Cyclohexane
Concen: 1.196 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.030 min
Lab File: VN087799.D
Acq: 11 Sep 2025 15:45

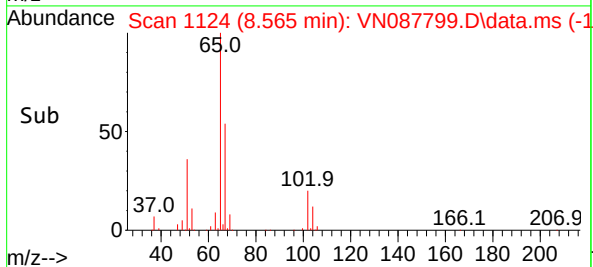
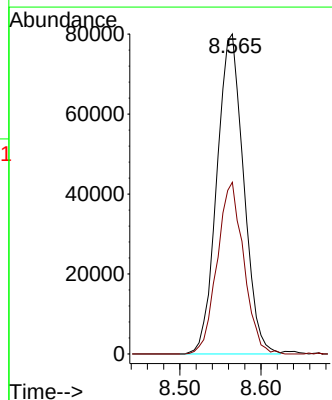
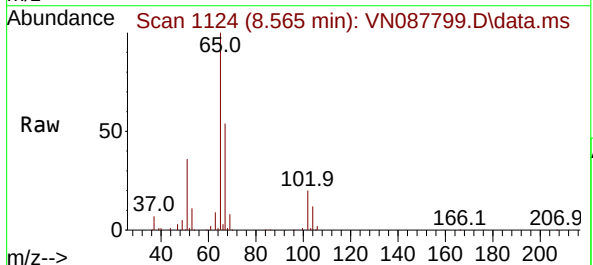
Instrument :
MSVOA_N
ClientSampleId :
250910064-01-TRIP-BLANK

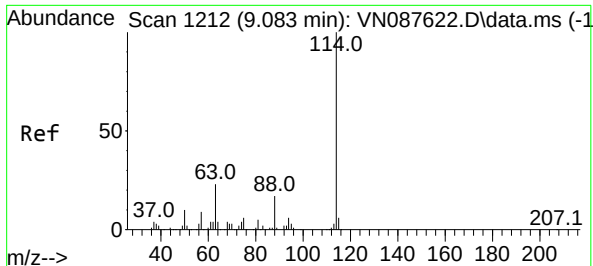
Tgt Ion: 56 Resp: 5383
Ion Ratio Lower Upper
56 100
69 123.4 23.7 35.5#
84 74.8 64.7 97.1



#33
1,2-Dichloroethane-d4
Concen: 51.233 ug/l
RT: 8.565 min Scan# 1124
Delta R.T. 0.006 min
Lab File: VN087799.D
Acq: 11 Sep 2025 15:45

Tgt Ion: 65 Resp: 183326
Ion Ratio Lower Upper
65 100
67 53.3 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: VN087799.D

Acq: 11 Sep 2025 15:45

Instrument :

MSVOA_N

ClientSampleId :

250910064-01-TRIP-BLANK

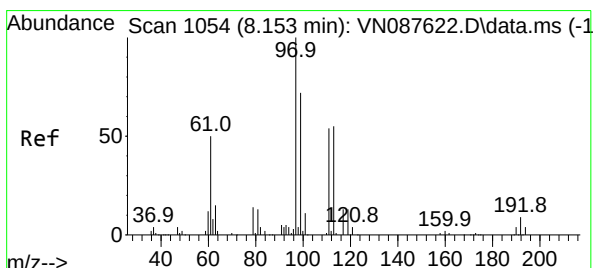
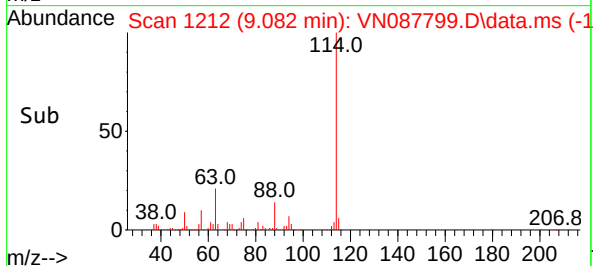
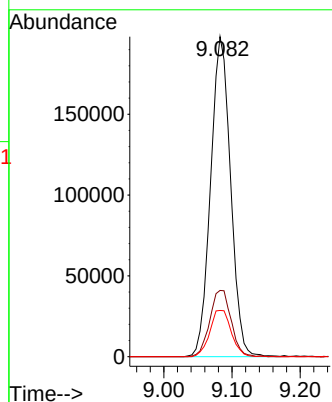
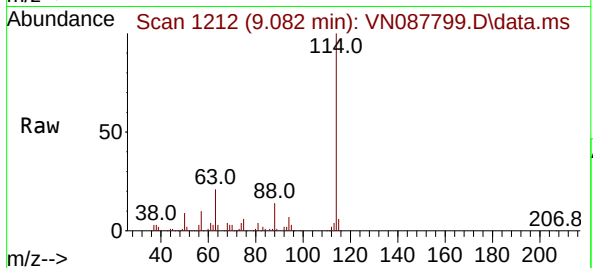
Tgt Ion:114 Resp: 403546

Ion Ratio Lower Upper

114 100

63 20.7 0.0 45.2

88 14.5 0.0 33.4



#35

Dibromofluoromethane

Concen: 51.154 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. -0.006 min

Lab File: VN087799.D

Acq: 11 Sep 2025 15:45

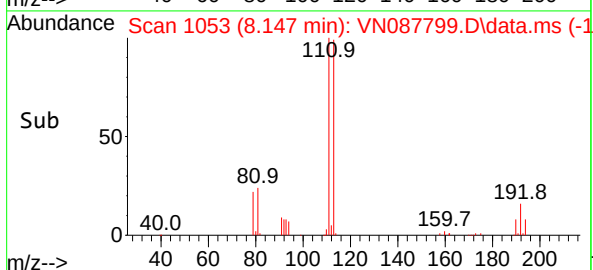
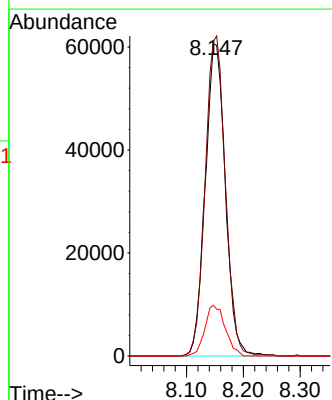
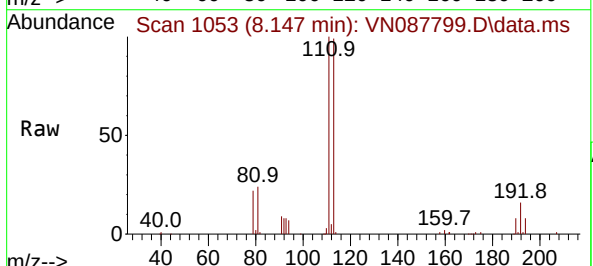
Tgt Ion:113 Resp: 149041

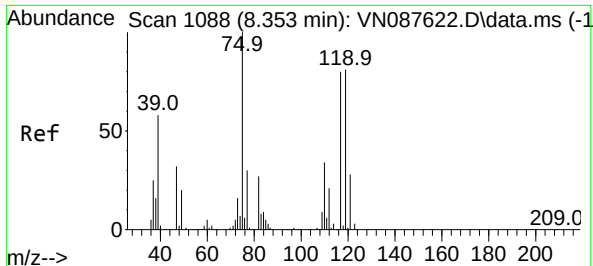
Ion Ratio Lower Upper

113 100

111 102.2 82.8 124.2

192 16.5 12.8 19.2





#36

1,1-Dichloropropene

Concen: 3.837 ug/l

RT: 8.206 min Scan# 1063

Delta R.T. -0.147 min

Lab File: VN087799.D

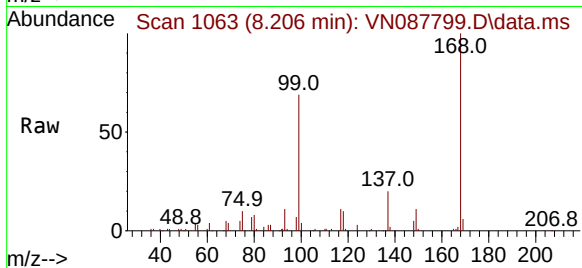
Acq: 11 Sep 2025 15:45

Instrument :

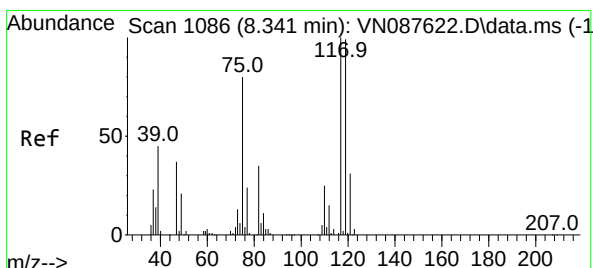
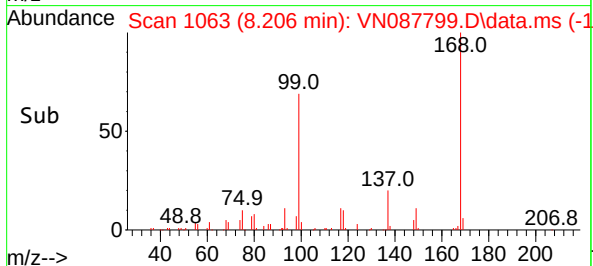
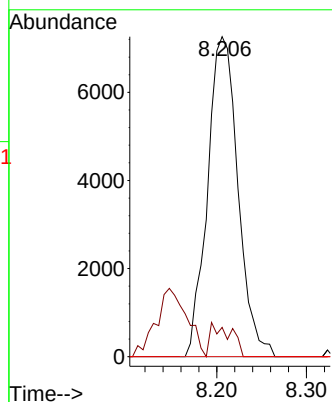
MSVOA_N

ClientSampleId :

250910064-01-TRIP-BLANK



Tgt Ion:	75	Resp:	17152
Ion Ratio	Lower	Upper	
75	100		
110	7.0	15.9	47.6#
77	0.0	24.4	36.6#



#38

Carbon Tetrachloride

Concen: 4.987 ug/l

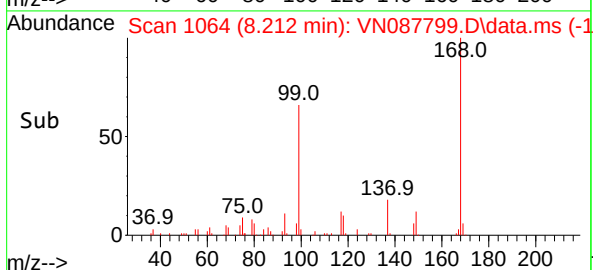
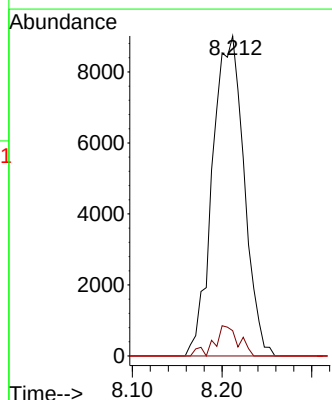
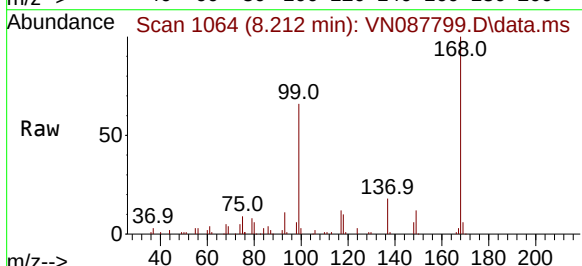
RT: 8.212 min Scan# 1064

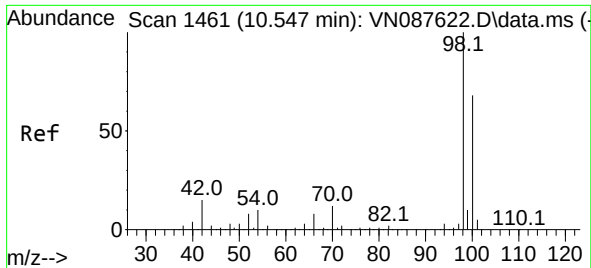
Delta R.T. -0.130 min

Lab File: VN087799.D

Acq: 11 Sep 2025 15:45

Tgt Ion:	117	Resp:	22010
Ion Ratio	Lower	Upper	
117	100		
119	7.9	79.0	118.6#
121	0.0	25.0	37.6#

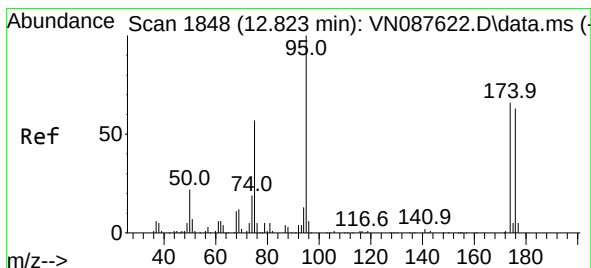
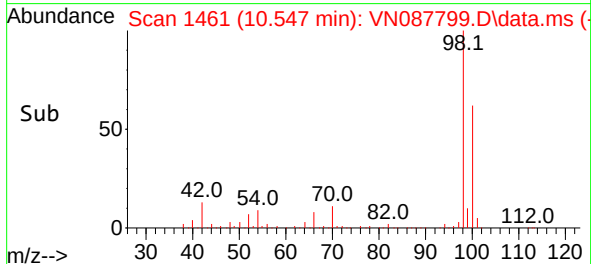
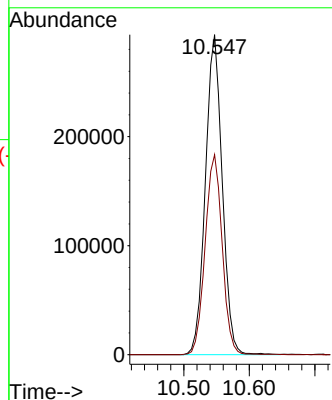
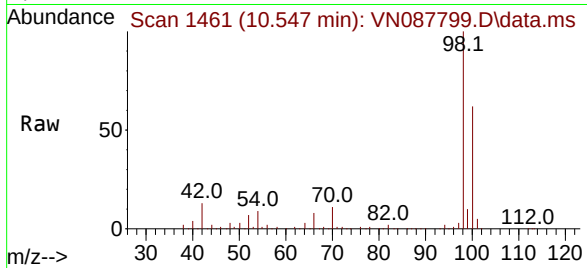




#50
Toluene-d8
Concen: 48.129 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN087799.D
Acq: 11 Sep 2025 15:45

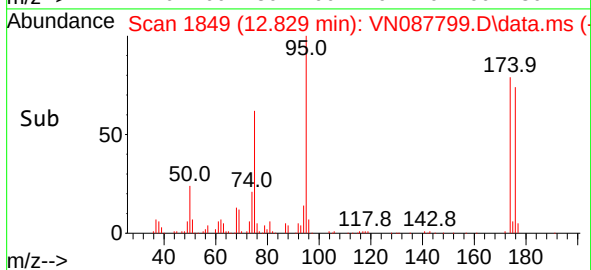
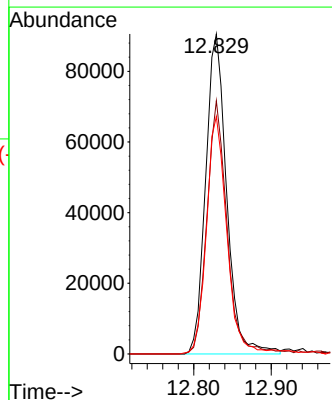
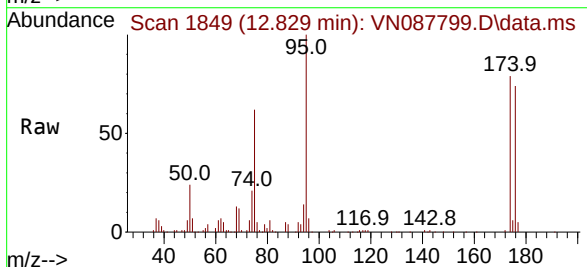
Instrument :
MSVOA_N
ClientSampleId :
250910064-01-TRIP-BLANK

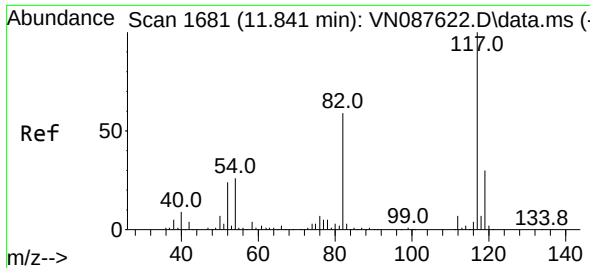
Tgt Ion: 98 Resp: 524851
Ion Ratio Lower Upper
98 100
100 63.2 52.8 79.2



#62
4-Bromofluorobenzene
Concen: 43.876 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN087799.D
Acq: 11 Sep 2025 15:45

Tgt Ion: 95 Resp: 170158
Ion Ratio Lower Upper
95 100
174 76.0 0.0 138.4
176 73.1 0.0 132.6

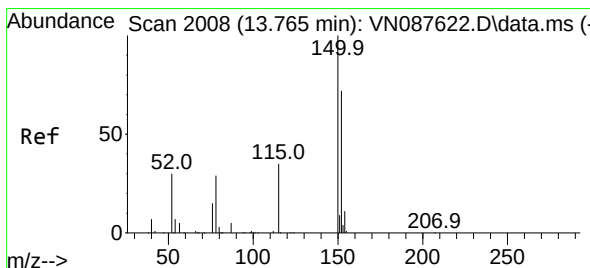
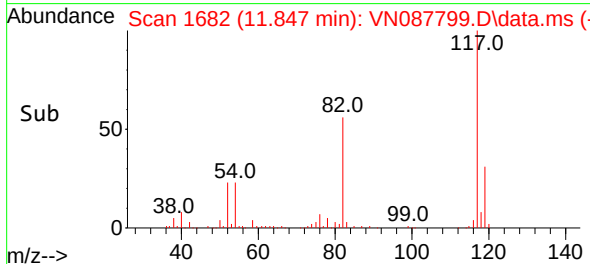
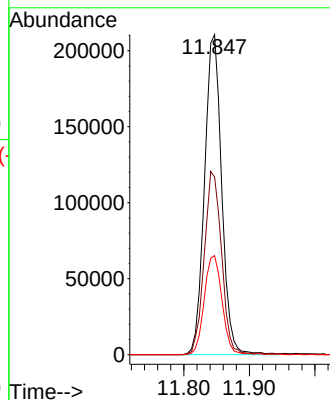
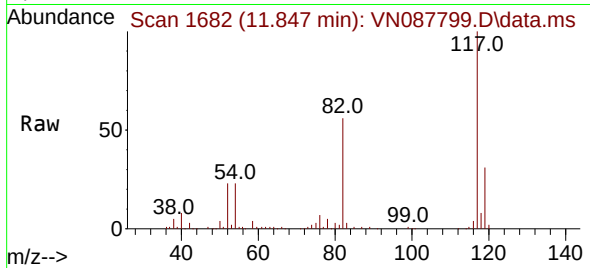




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN087799.D
Acq: 11 Sep 2025 15:45

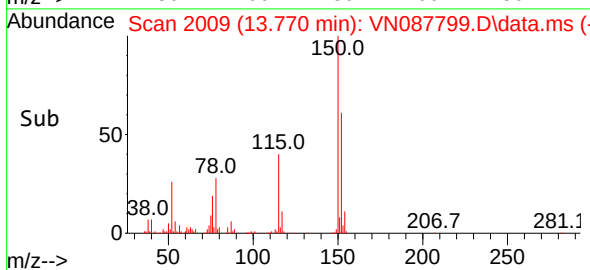
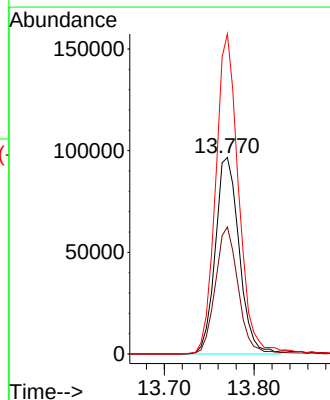
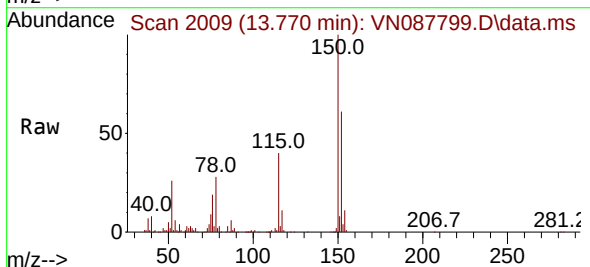
Instrument :
MSVOA_N
ClientSampleId :
250910064-01-TRIP-BLANK

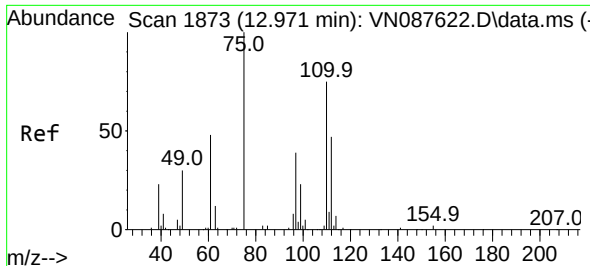
Tgt Ion:117 Resp: 384181
Ion Ratio Lower Upper
117 100
82 55.5 47.4 71.2
119 30.9 24.3 36.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. 0.006 min
Lab File: VN087799.D
Acq: 11 Sep 2025 15:45

Tgt Ion:152 Resp: 178191
Ion Ratio Lower Upper
152 100
115 62.9 32.3 96.8
150 157.6 0.0 351.0

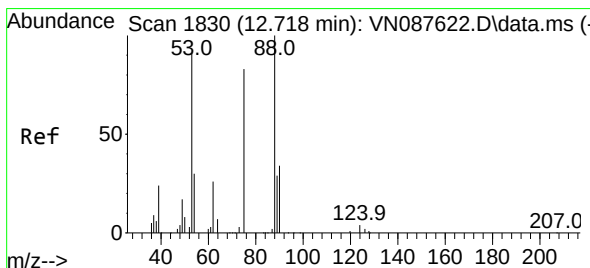
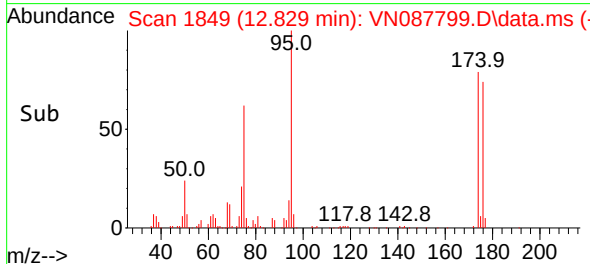
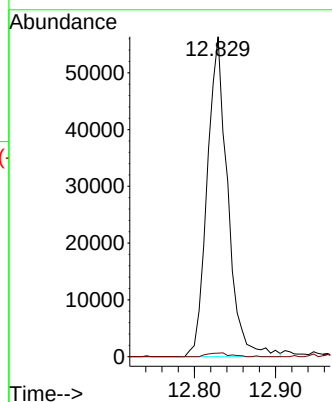
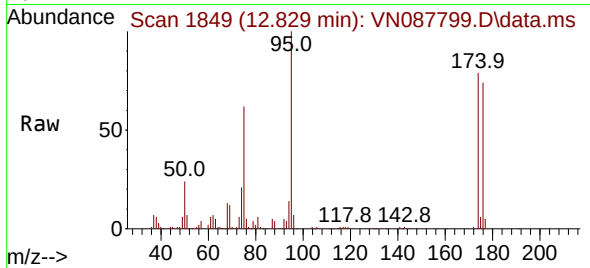




#76
1,2,3-Trichloropropane
Concen: 23.683 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. -0.141 min
Lab File: VN087799.D
Acq: 11 Sep 2025 15:45

Instrument :
MSVOA_N
ClientSampleId :
250910064-01-TRIP-BLANK

Tgt Ion: 75 Resp: 98965
Ion Ratio Lower Upper
75 100
77 1.3 89.1 267.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 62.699 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.112 min
Lab File: VN087799.D
Acq: 11 Sep 2025 15:45

Tgt Ion: 75 Resp: 98965
Ion Ratio Lower Upper
75 100
53 0.1 101.8 152.6#
89 0.0 35.6 53.4#

