

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081225\
 Data File : VN087517.D
 Acq On : 12 Aug 2025 16:13
 Operator : JC\MD
 Sample : Q2816-09
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 1061-TB080725

Quant Time: Aug 13 03:06:58 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 17 02:56:13 2025
 Response via : Initial Calibration

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

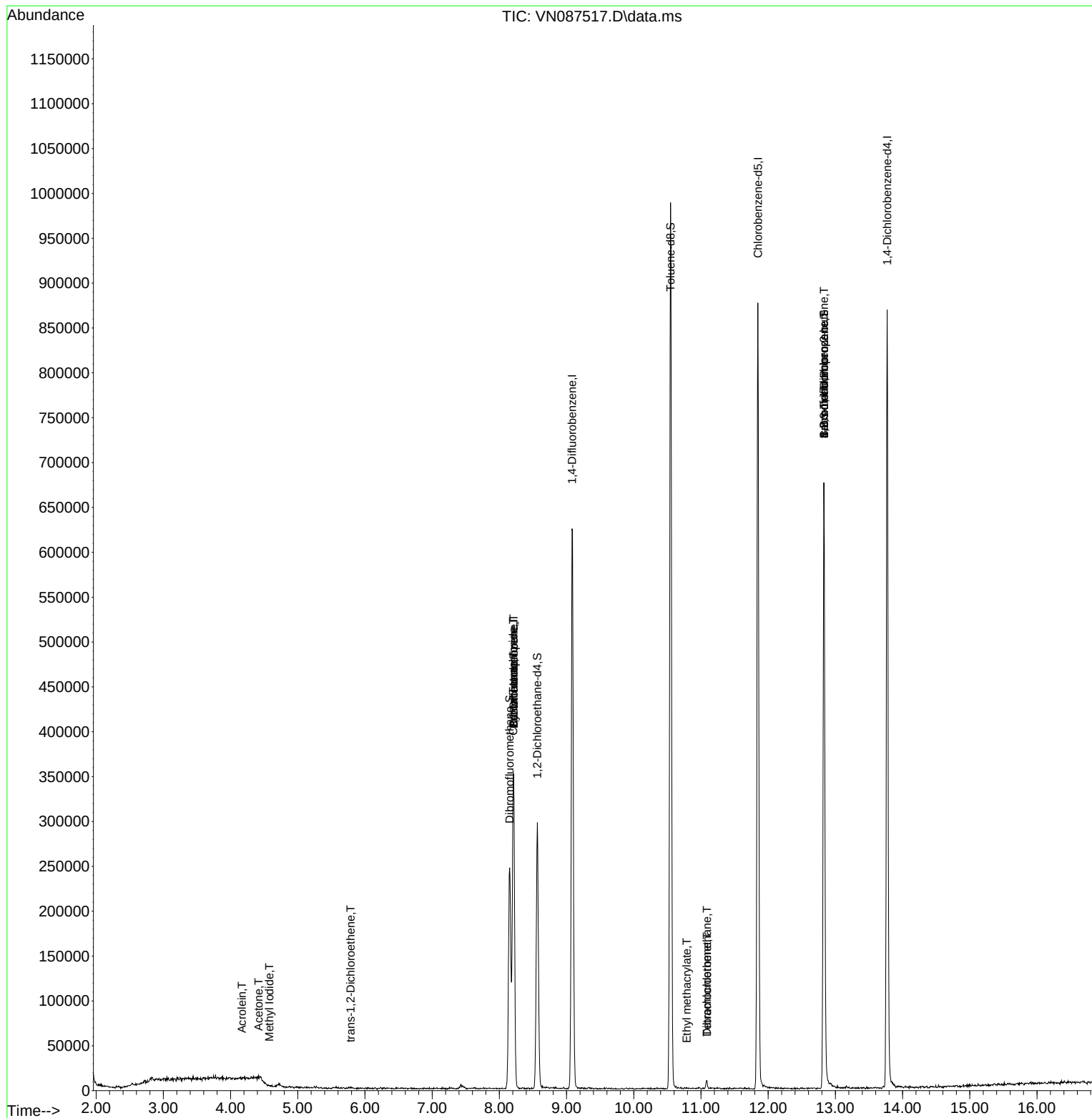
Internal Standards						
1) Pentafluorobenzene	8.212	168	236735	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	521055	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	471277	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	215113	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	242926	60.476	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 120.960%		
35) Dibromofluoromethane	8.153	113	180468	50.210	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 100.420%		
50) Toluene-d8	10.547	98	657992	51.321	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 102.640%		
62) 4-Bromofluorobenzene	12.829	95	240314	50.734	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	= 101.460%		
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.577	142	56	5.652	ug/l #	40
13) Acrolein	4.171	56	819	1.338	ug/l #	79
16) Acetone	4.418	43	1161	0.616	ug/l #	67
20) Methylene Chloride	5.241	84	307	Below Cal	#	37
21) trans-1,2-Dichloroethene	5.788	96	872	0.286	ug/l #	60
31) Cyclohexane	8.212	56	6902	1.398	ug/l #	31
36) 1,1-Dichloropropene	8.212	75	24575	5.175	ug/l #	51
38) Carbon Tetrachloride	8.206	117	29013	5.546	ug/l #	15
56) Ethyl methacrylate	10.788	69	65	0.645	ug/l #	42
60) Dibromochloromethane	11.088	129	1693	0.393	ug/l #	10
64) Tetrachloroethene	11.088	164	1723	0.568	ug/l #	72
71) Bromoform	12.829	173	1302	0.448	ug/l #	1
76) 1,2,3-Trichloropropane	12.829	75	138572	28.727	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.829	75	138572	78.602	ug/l #	8

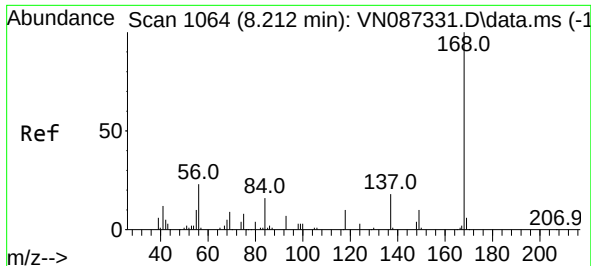
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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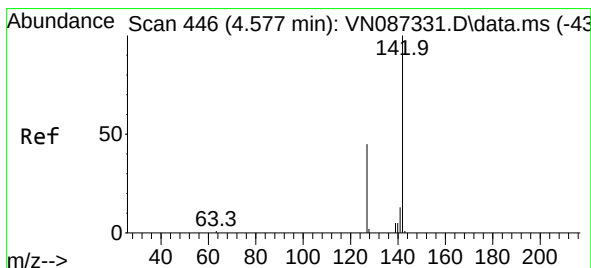
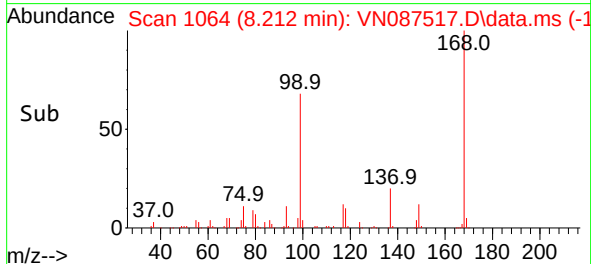
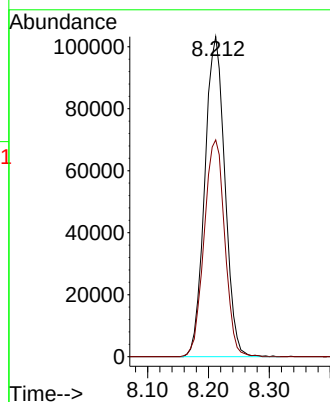
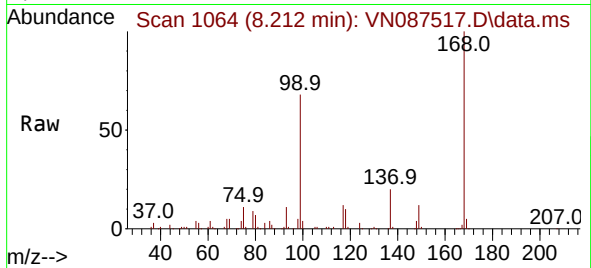




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.212 min Scan# 1064
Delta R.T. -0.000 min
Lab File: VN087517.D
Acq: 12 Aug 2025 16:13

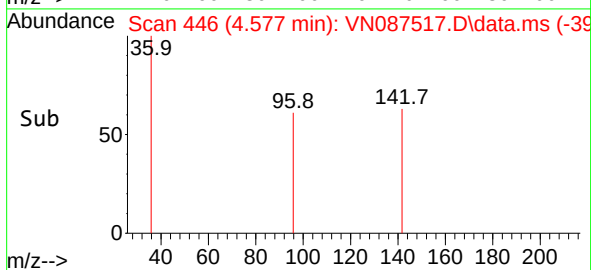
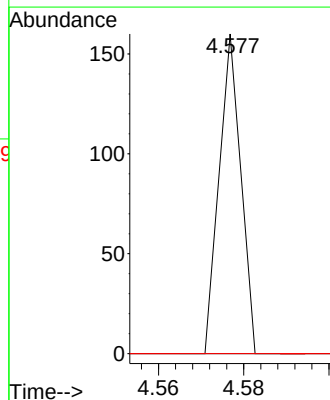
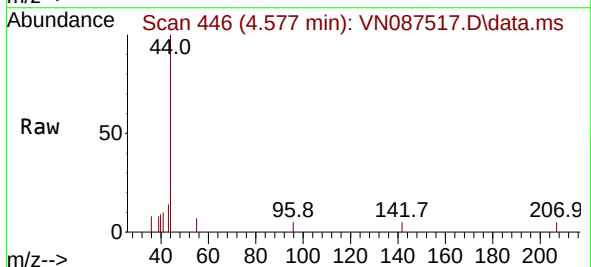
Instrument :
MSVOA_N
ClientSampleId :
1061-TB080725

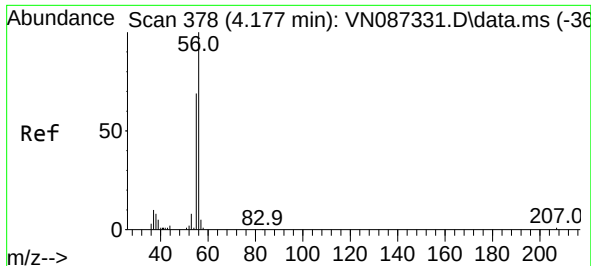
Tgt Ion:168 Resp: 236735
Ion Ratio Lower Upper
168 100
99 67.7 47.9 71.9



#10
Methyl Iodide
Concen: 5.652 ug/l
RT: 4.577 min Scan# 446
Delta R.T. -0.000 min
Lab File: VN087517.D
Acq: 12 Aug 2025 16:13

Tgt Ion:142 Resp: 56
Ion Ratio Lower Upper
142 100
127 0.0 35.7 53.5#
141 0.0 10.4 15.6#

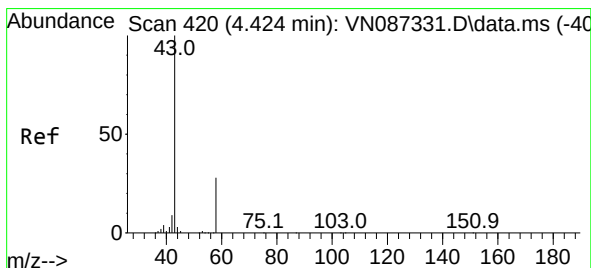
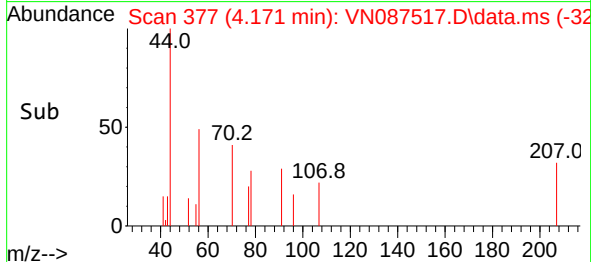
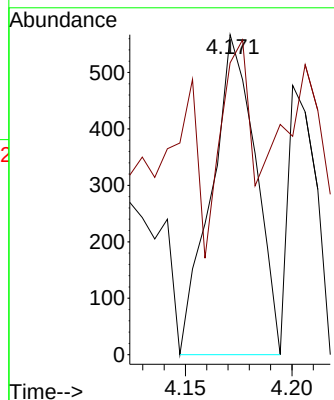
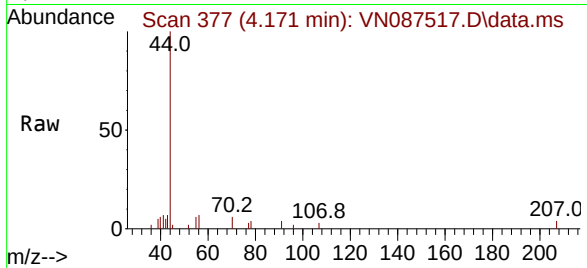




#13
Acrolein
Concen: 1.338 ug/l
RT: 4.171 min Scan# 319
Delta R.T. -0.006 min
Lab File: VN087517.D
Acq: 12 Aug 2025 16:13

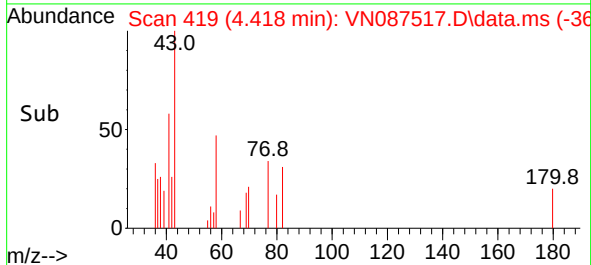
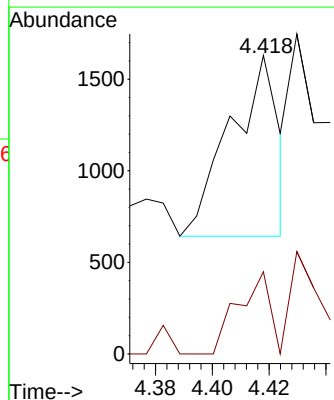
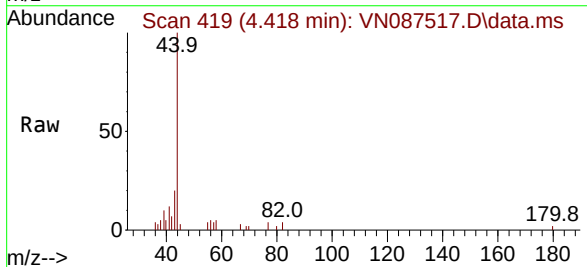
Instrument :
MSVOA_N
ClientSampleId :
1061-TB080725

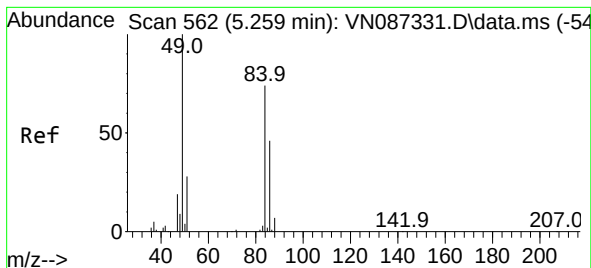
Tgt Ion: 56 Resp: 819
Ion Ratio Lower Upper
56 100
55 53.0 56.2 84.4#



#16
Acetone
Concen: 0.616 ug/l
RT: 4.418 min Scan# 419
Delta R.T. -0.006 min
Lab File: VN087517.D
Acq: 12 Aug 2025 16:13

Tgt Ion: 43 Resp: 1161
Ion Ratio Lower Upper
43 100
58 45.5 22.3 33.5#





#20

Methylene Chloride

Concen: Below Cal

RT: 5.241 min Scan# 51

Delta R.T. -0.018 min

Lab File: VN087517.D

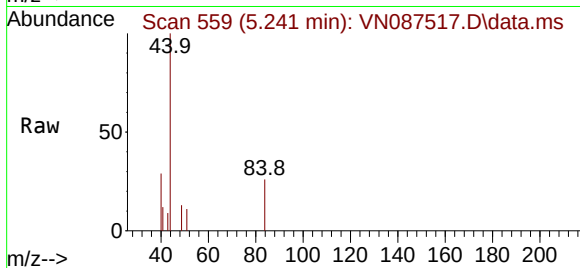
Acq: 12 Aug 2025 16:13

Instrument :

MSVOA_N

ClientSampleId :

1061-TB080725



Tgt Ion: 84 Resp: 307

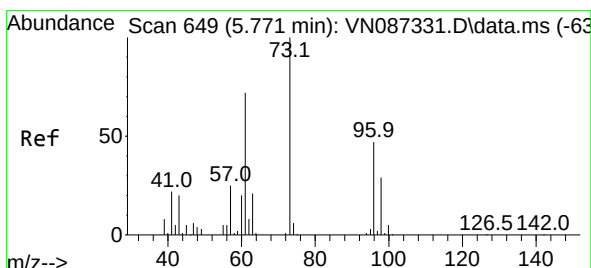
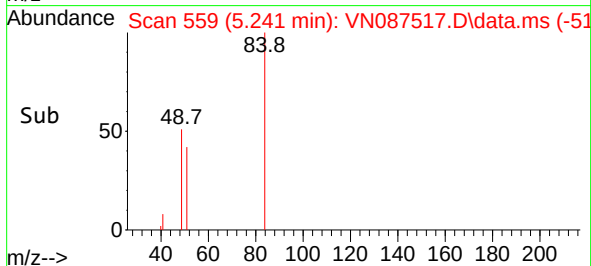
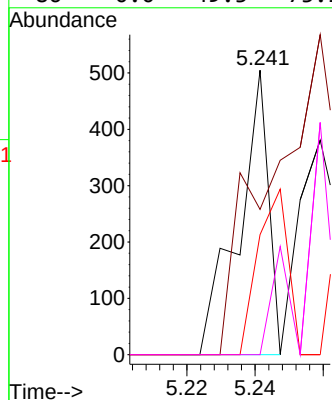
Ion Ratio Lower Upper

84 100

49 51.1 107.5 161.3#

51 42.2 30.2 45.2

86 0.0 49.3 73.9#



#21

trans-1,2-Dichloroethene

Concen: 0.286 ug/l

RT: 5.788 min Scan# 652

Delta R.T. 0.017 min

Lab File: VN087517.D

Acq: 12 Aug 2025 16:13

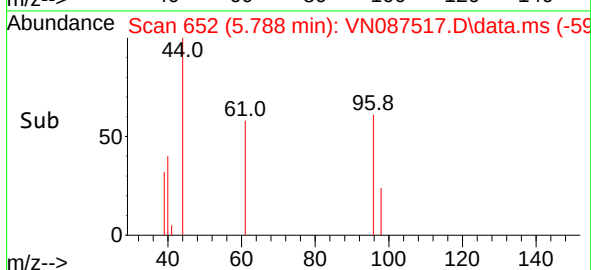
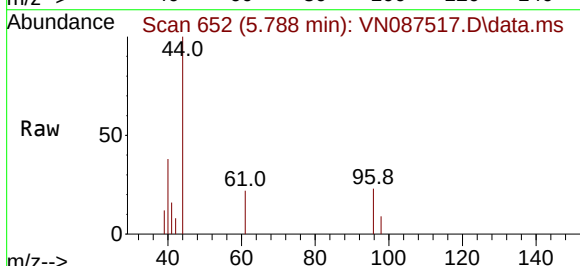
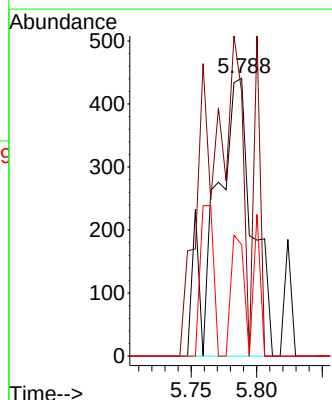
Tgt Ion: 96 Resp: 872

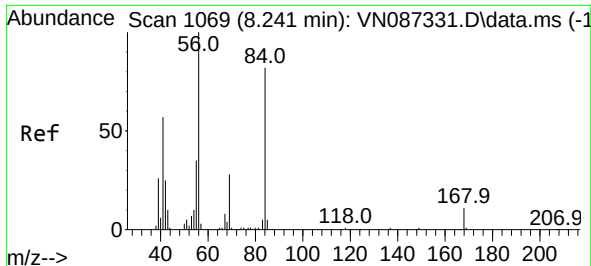
Ion Ratio Lower Upper

96 100

61 95.0 122.0 183.0#

98 40.1 50.0 75.0#

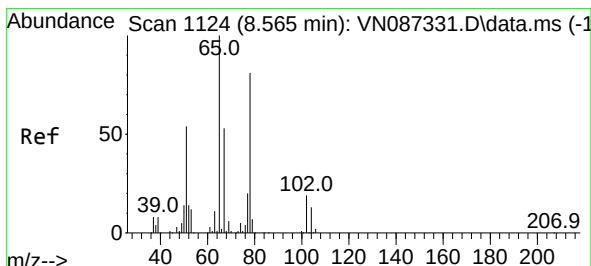
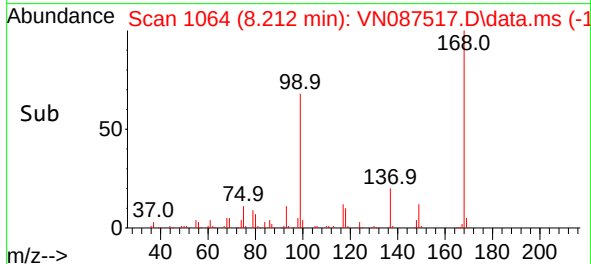
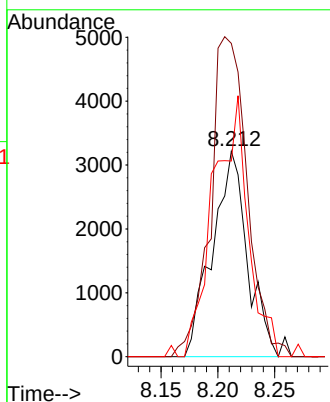
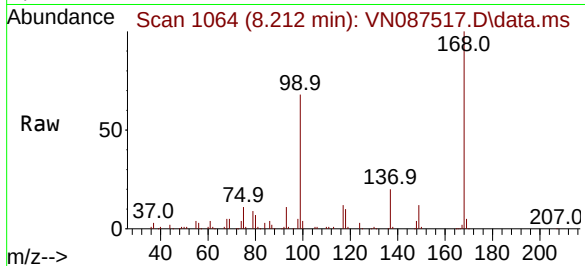




#31
Cyclohexane
Concen: 1.398 ug/l
RT: 8.212 min Scan# 1064
Delta R.T. -0.029 min
Lab File: VN087517.D
Acq: 12 Aug 2025 16:13

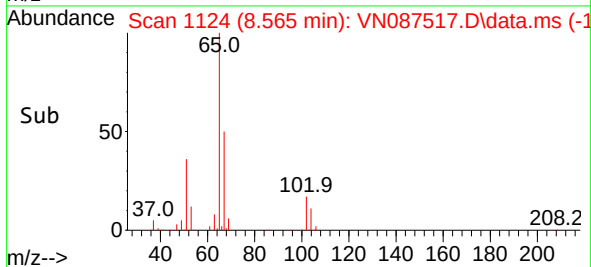
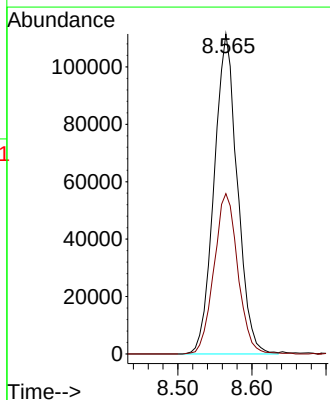
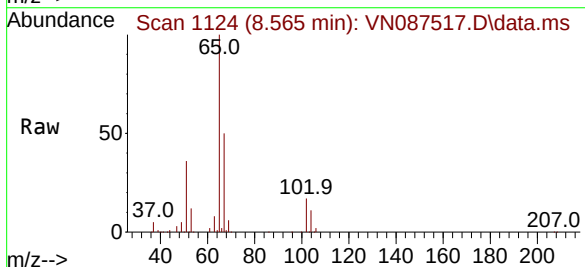
Instrument :
MSVOA_N
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1061-TB080725

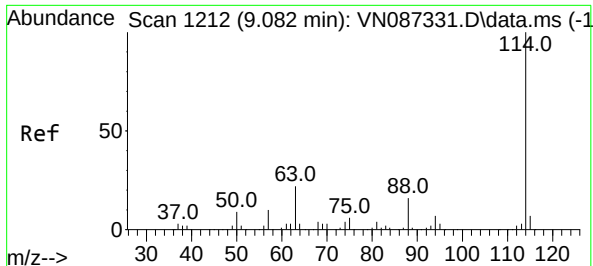
Tgt Ion: 56 Resp: 6902
Ion Ratio Lower Upper
56 100
69 147.8 22.7 34.1#
84 95.3 65.8 98.6



#33
1,2-Dichloroethane-d4
Concen: 60.476 ug/l
RT: 8.565 min Scan# 1124
Delta R.T. 0.000 min
Lab File: VN087517.D
Acq: 12 Aug 2025 16:13

Tgt Ion: 65 Resp: 242926
Ion Ratio Lower Upper
65 100
67 51.3 0.0 104.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.082 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN087517.D

Acq: 12 Aug 2025 16:13

Instrument :

MSVOA_N

ClientSampleId :

1061-TB080725

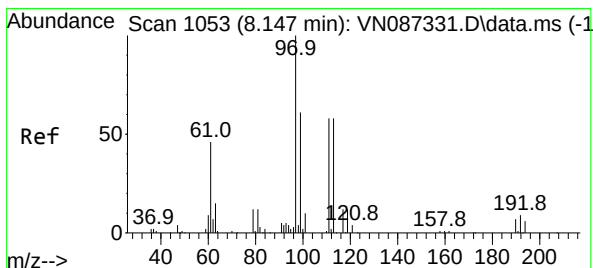
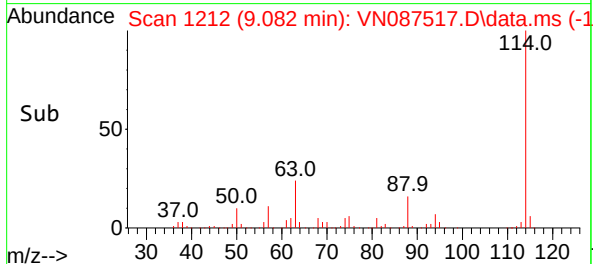
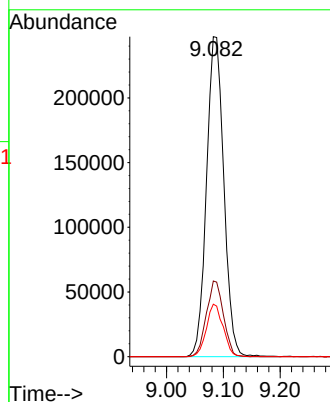
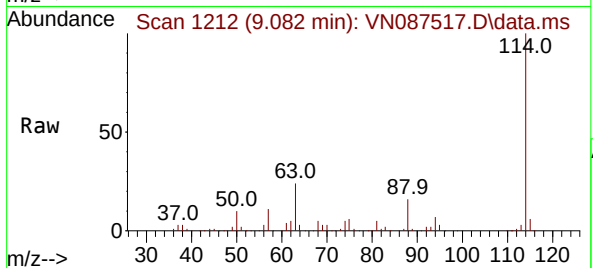
Tgt Ion:114 Resp: 521055

Ion Ratio Lower Upper

114 100

63 23.6 0.0 44.6

88 16.4 0.0 32.8



#35

Dibromofluoromethane

Concen: 50.210 ug/l

RT: 8.153 min Scan# 1054

Delta R.T. 0.006 min

Lab File: VN087517.D

Acq: 12 Aug 2025 16:13

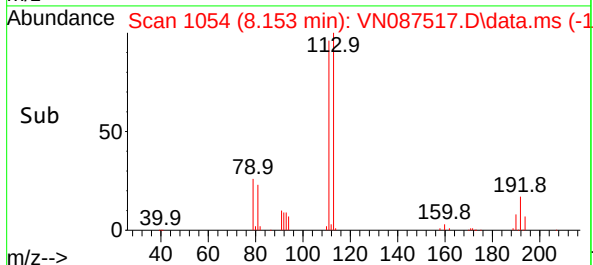
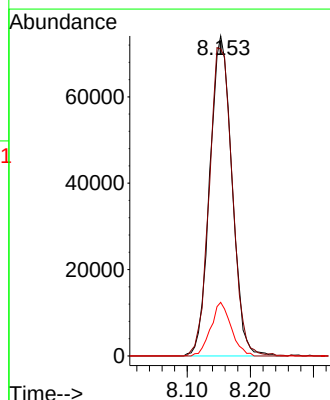
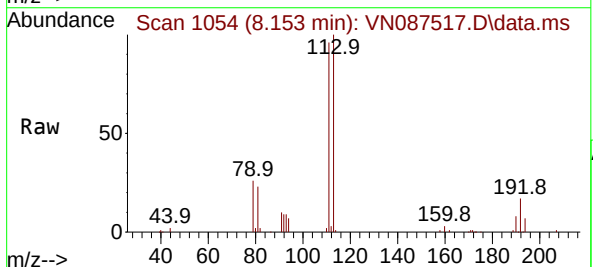
Tgt Ion:113 Resp: 180468

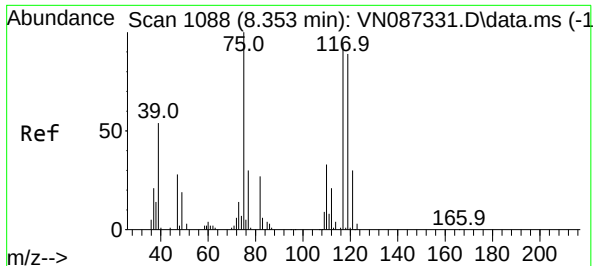
Ion Ratio Lower Upper

113 100

111 100.5 82.5 123.7

192 15.4 13.7 20.5





#36

1,1-Dichloropropene

Concen: 5.175 ug/l

RT: 8.212 min Scan# 1064

Delta R.T. -0.141 min

Lab File: VN087517.D

Acq: 12 Aug 2025 16:13

Instrument :

MSVOA_N

ClientSampleId :

1061-TB080725

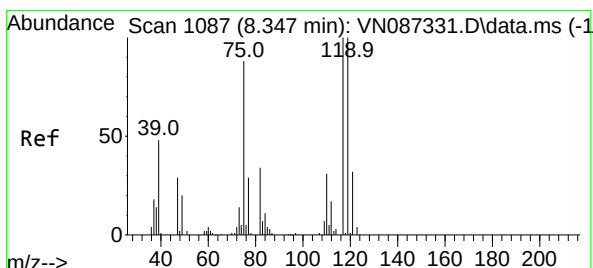
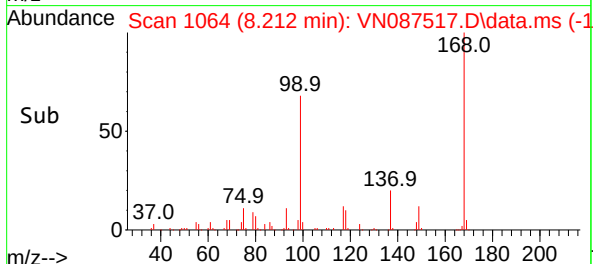
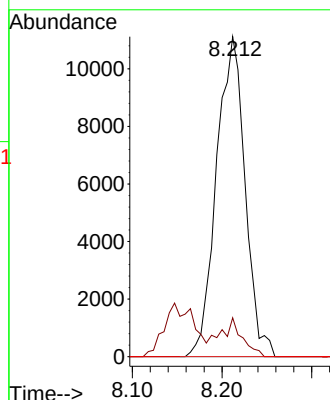
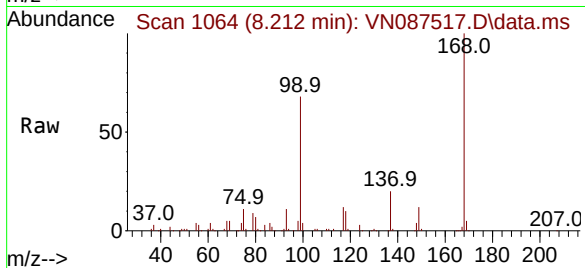
Tgt Ion: 75 Resp: 24575

Ion Ratio Lower Upper

75 100

110 9.6 16.7 50.1#

77 0.0 25.2 37.8#



#38

Carbon Tetrachloride

Concen: 5.546 ug/l

RT: 8.206 min Scan# 1063

Delta R.T. -0.141 min

Lab File: VN087517.D

Acq: 12 Aug 2025 16:13

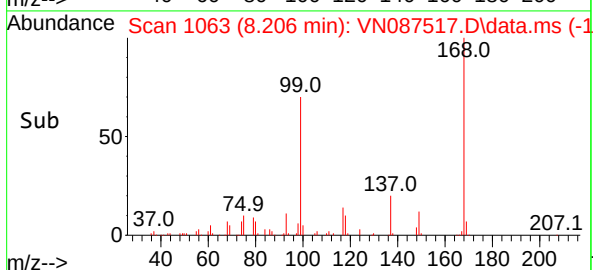
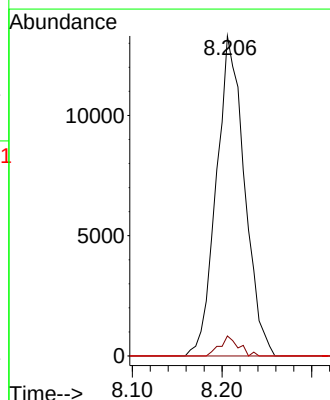
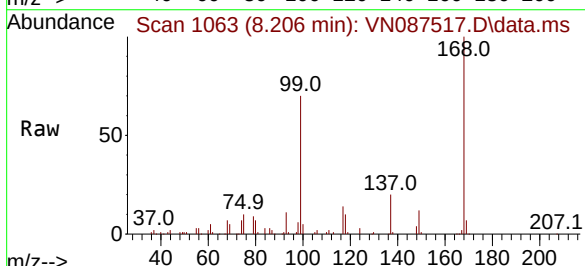
Tgt Ion: 117 Resp: 29013

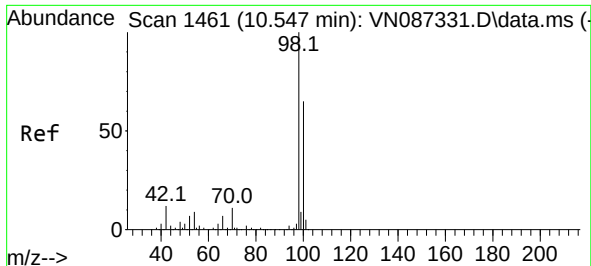
Ion Ratio Lower Upper

117 100

119 6.2 80.2 120.2#

121 0.0 25.4 38.2#

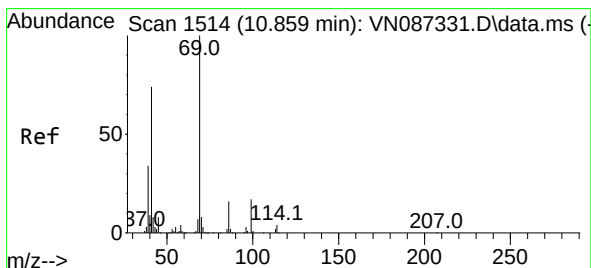
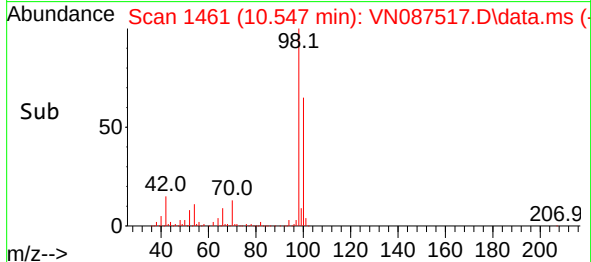
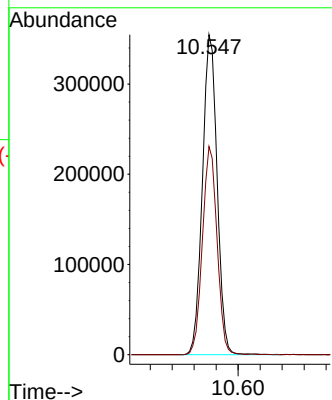
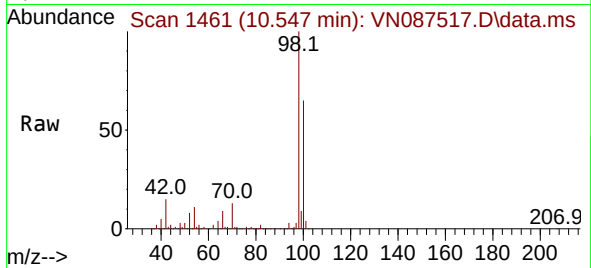




#50
Toluene-d8
Concen: 51.321 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN087517.D
Acq: 12 Aug 2025 16:13

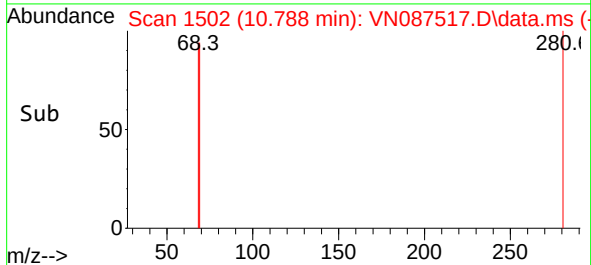
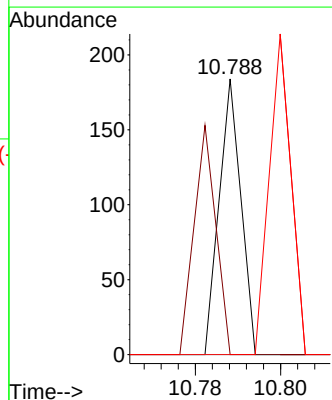
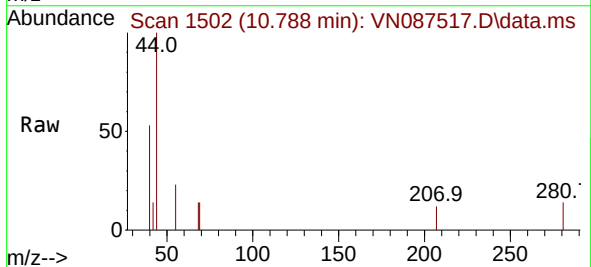
Instrument :
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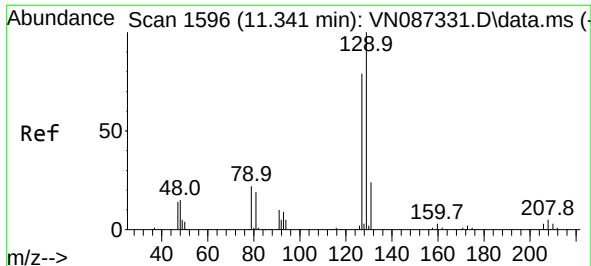
Tgt Ion: 98 Resp: 657992
Ion Ratio Lower Upper
98 100
100 64.6 52.1 78.1



#56
Ethyl methacrylate
Concen: 0.645 ug/l
RT: 10.788 min Scan# 1502
Delta R.T. -0.071 min
Lab File: VN087517.D
Acq: 12 Aug 2025 16:13

Tgt Ion: 69 Resp: 65
Ion Ratio Lower Upper
69 100
41 83.1 55.1 82.7#
39 115.4 27.9 41.9#

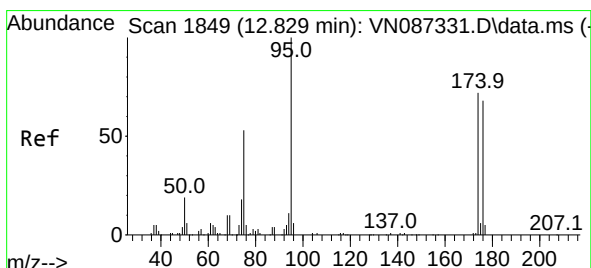
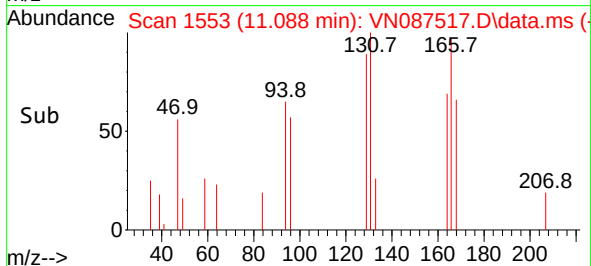
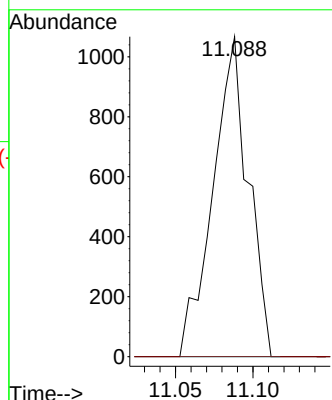
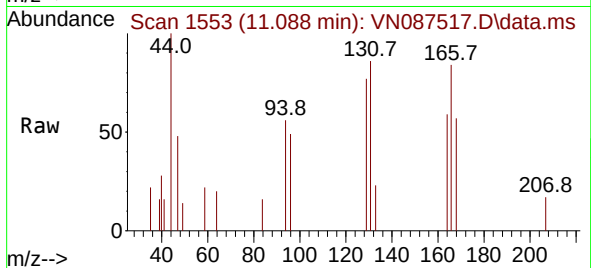




#60
Dibromochloromethane
Concen: 0.393 ug/l
RT: 11.088 min Scan# 1553
Delta R.T. -0.253 min
Lab File: VN087517.D
Acq: 12 Aug 2025 16:13

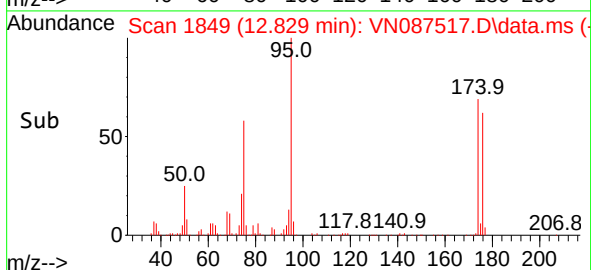
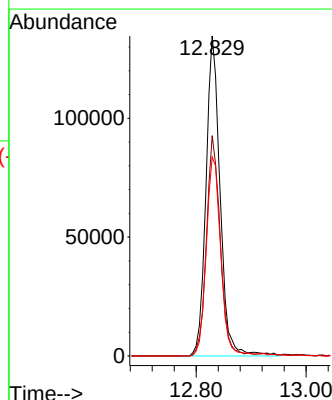
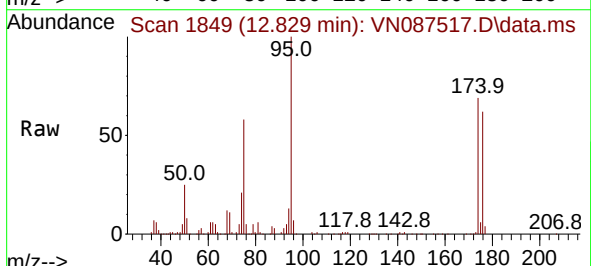
Instrument :
MSVOA_N
ClientSampleId :
1061-TB080725

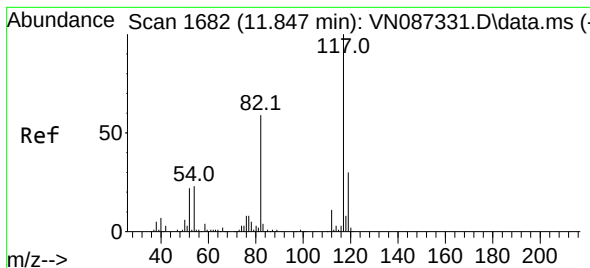
Tgt Ion:129 Resp: 1693
Ion Ratio Lower Upper
129 100
127 0.0 39.1 117.5#



#62
4-Bromofluorobenzene
Concen: 50.734 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VN087517.D
Acq: 12 Aug 2025 16:13

Tgt Ion: 95 Resp: 240314
Ion Ratio Lower Upper
95 100
174 67.1 0.0 149.4
176 63.5 0.0 141.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.847 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN087517.D

Acq: 12 Aug 2025 16:13

Instrument :

MSVOA_N

ClientSampleId :

1061-TB080725

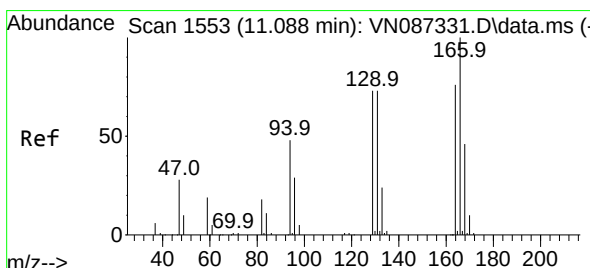
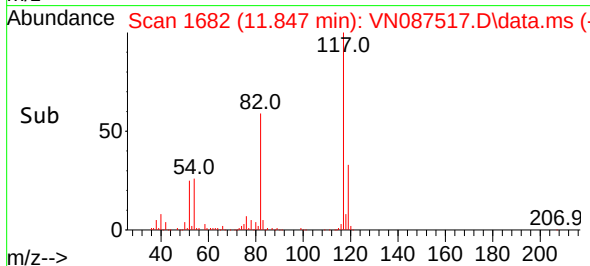
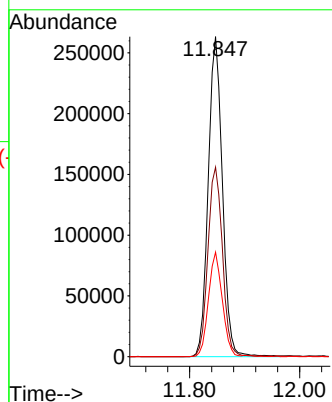
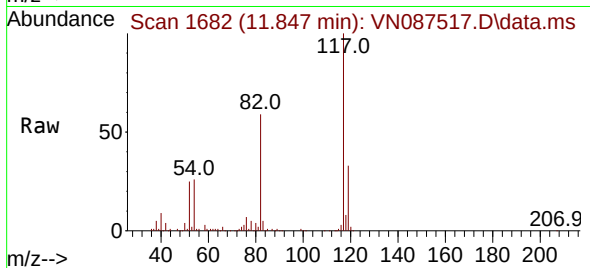
Tgt Ion:117 Resp: 471277

Ion Ratio Lower Upper

117 100

82 59.2 47.4 71.2

119 32.7 23.8 35.8



#64

Tetrachloroethene

Concen: 0.568 ug/l

RT: 11.088 min Scan# 1553

Delta R.T. 0.000 min

Lab File: VN087517.D

Acq: 12 Aug 2025 16:13

Tgt Ion:164 Resp: 1723

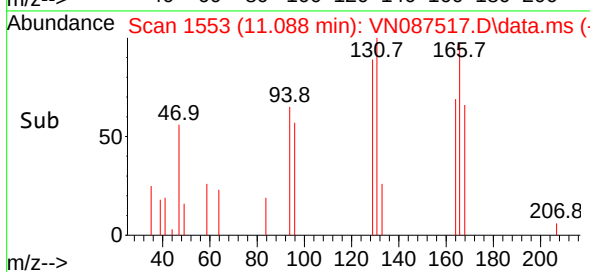
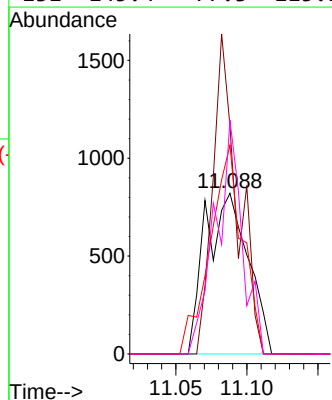
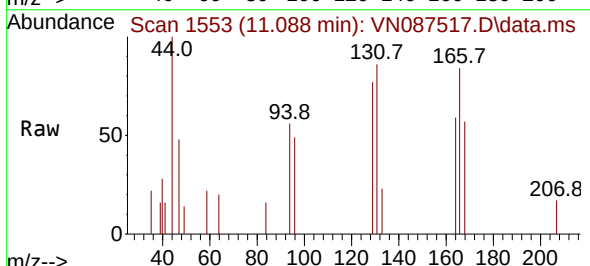
Ion Ratio Lower Upper

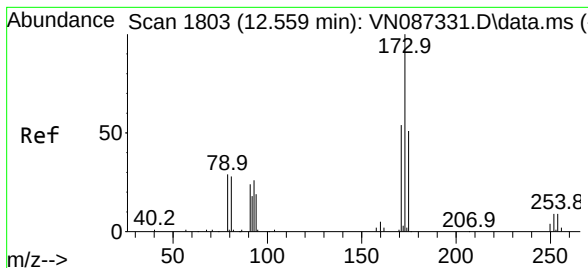
164 100

166 141.8 105.5 158.3

129 130.0 77.4 116.2#

131 145.4 77.3 115.9#





#71

Bromoform

Concen: 0.448 ug/l

RT: 12.829 min Scan# 11

Delta R.T. 0.271 min

Lab File: VN087517.D

Acq: 12 Aug 2025 16:13

Instrument :

MSVOA_N

ClientSampleId :

1061-TB080725

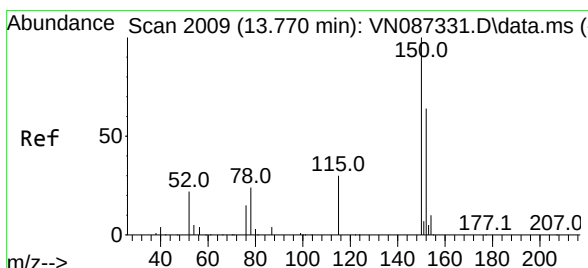
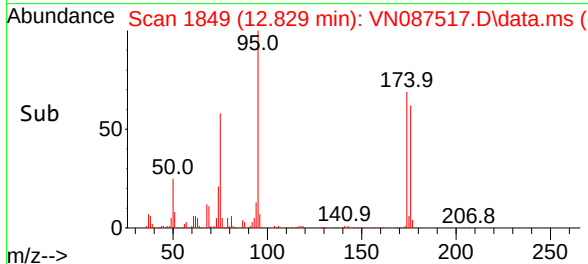
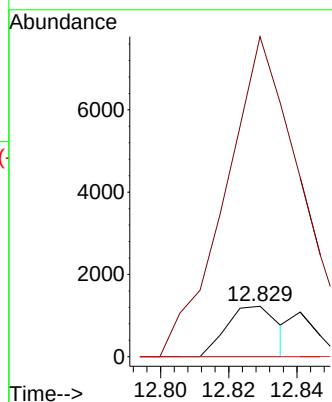
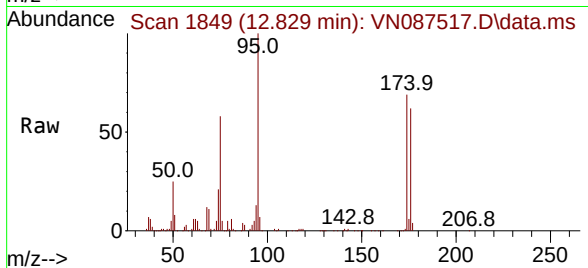
Tgt Ion:173 Resp: 1302

Ion Ratio Lower Upper

173 100

175 696.0 24.1 72.3#

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.770 min Scan# 2009

Delta R.T. 0.000 min

Lab File: VN087517.D

Acq: 12 Aug 2025 16:13

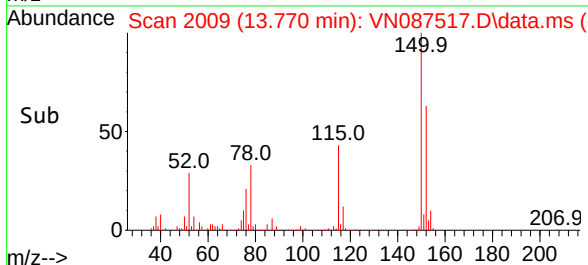
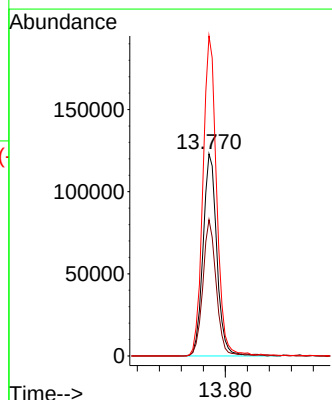
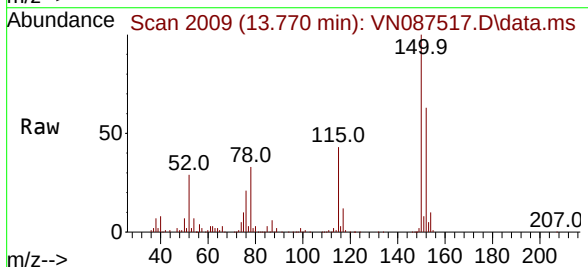
Tgt Ion:152 Resp: 215113

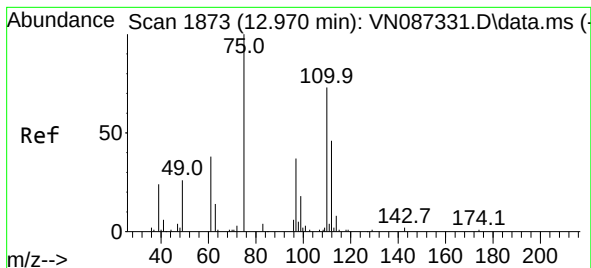
Ion Ratio Lower Upper

152 100

115 65.1 31.1 93.5

150 156.5 0.0 349.0





#76

1,2,3-Trichloropropane

Concen: 28.727 ug/l

RT: 12.829 min Scan# 1849

Delta R.T. -0.141 min

Lab File: VN087517.D

Acq: 12 Aug 2025 16:13

Instrument :

MSVOA_N

ClientSampleId :

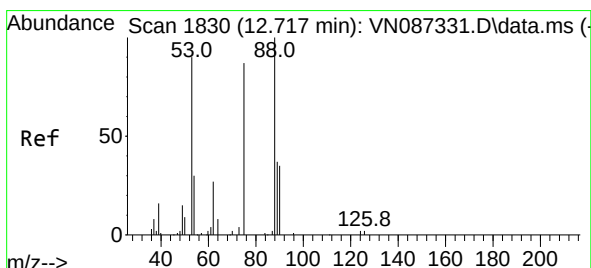
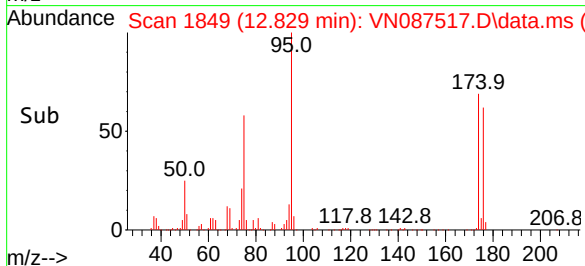
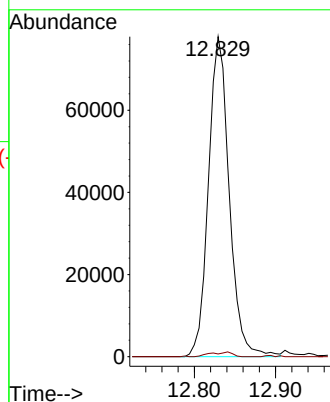
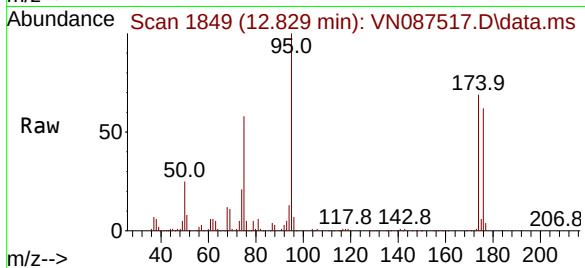
1061-TB080725

Tgt Ion: 75 Resp: 138572

Ion Ratio Lower Upper

75 100

77 1.5 94.5 283.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 78.602 ug/l

RT: 12.829 min Scan# 1849

Delta R.T. 0.112 min

Lab File: VN087517.D

Acq: 12 Aug 2025 16:13

Tgt Ion: 75 Resp: 138572

Ion Ratio Lower Upper

75 100

53 0.0 83.5 125.3#

89 0.0 38.4 57.6#

