

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061925\
 Data File : VN087117.D
 Acq On : 19 Jun 2025 17:10
 Operator : JC\MD
 Sample : Q2329-10
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TT172S1-20250613

Quant Time: Jun 20 01:29:04 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 07 02:12:50 2025
 Response via : Initial Calibration

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

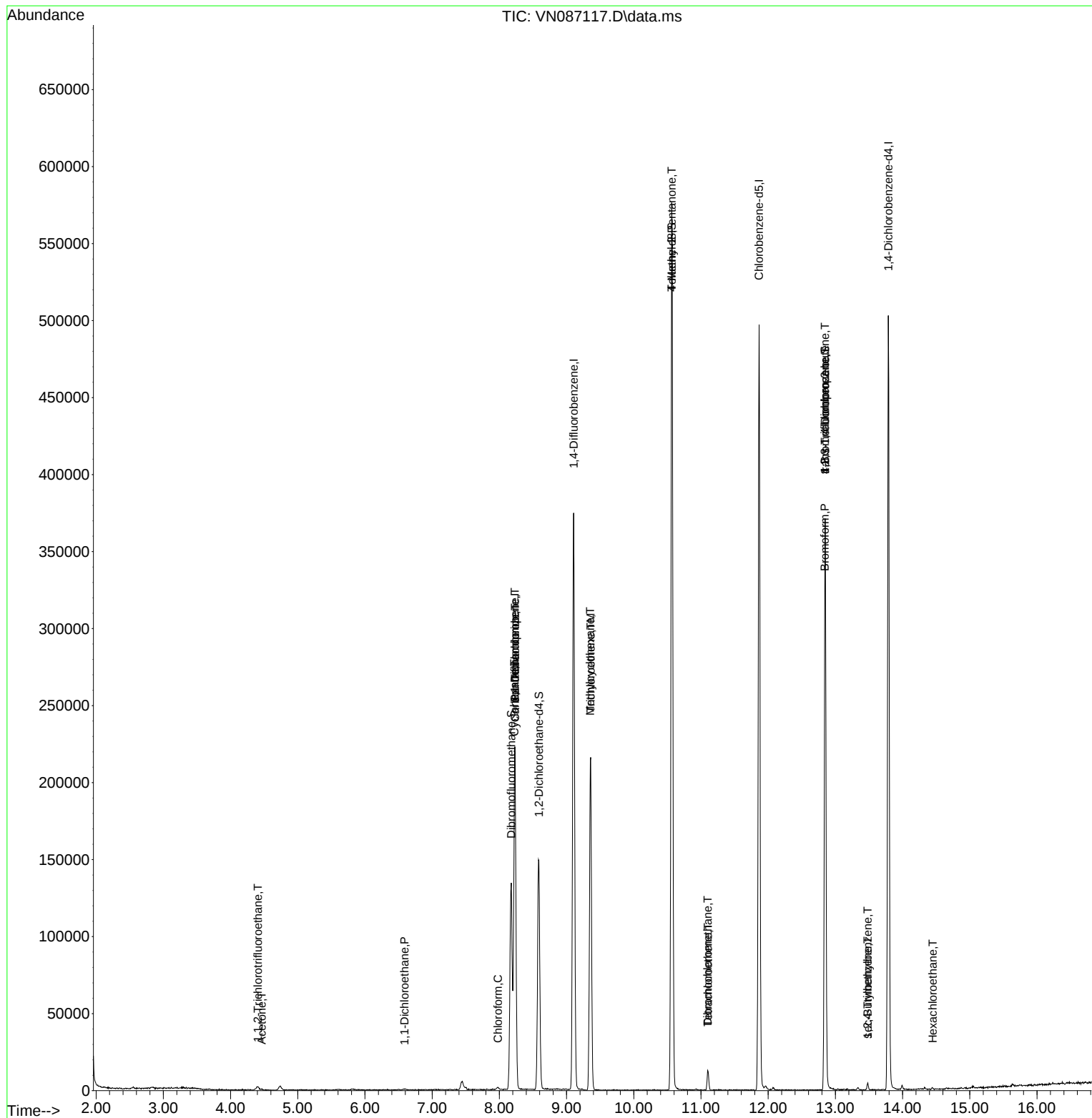
Internal Standards						
1) Pentafluorobenzene	8.230	168	174693	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	347567	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	313987	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	147771	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	124120	53.067	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 106.140%	
35) Dibromofluoromethane	8.177	113	105308	51.126	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.260%	
50) Toluene-d8	10.565	98	433267	53.135	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 106.280%	
62) 4-Bromofluorobenzene	12.847	95	149492	49.346	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 98.700%	
Target Compounds						
					Qvalue	
9) 1,1,2-Trichlorotrifluo...	4.406	101	2113	1.109	ug/l #	85
16) Acetone	4.465	43	1012	0.816	ug/l	98
24) 1,1-Dichloroethane	6.588	63	1184	0.303	ug/l #	81
30) Chloroform	7.977	83	1728	0.442	ug/l	91
31) Cyclohexane	8.224	56	2961	0.781	ug/l #	1
36) 1,1-Dichloropropene	8.230	75	13100	4.268	ug/l #	48
38) Carbon Tetrachloride	8.235	117	16818	5.581	ug/l #	19
39) Methylcyclohexane	9.353	83	1019	0.242	ug/l #	1
44) Trichloroethene	9.359	130	86736	36.446	ug/l	99
51) 4-Methyl-2-Pentanone	10.565	43	1309	0.347	ug/l #	1
60) Dibromochloromethane	11.100	129	3396	1.381	ug/l #	11
64) Tetrachloroethene	11.106	164	3135	1.578	ug/l	87
71) Bromoform	12.841	173	867	0.526	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	68803	19.588	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	68803	45.090	ug/l #	16
84) 1,2,4-Trimethylbenzene	13.482	105	3180	0.357	ug/l	99
85) sec-Butylbenzene	13.482	105	3180	0.269	ug/l #	56
90) Hexachloroethane	14.447	117	816	0.493	ug/l #	17

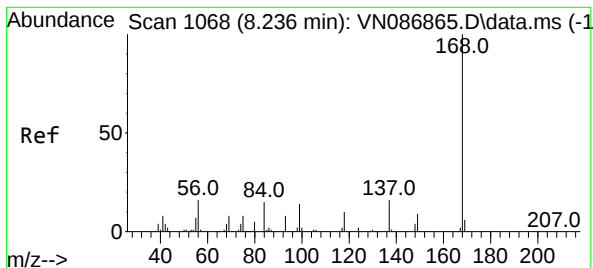
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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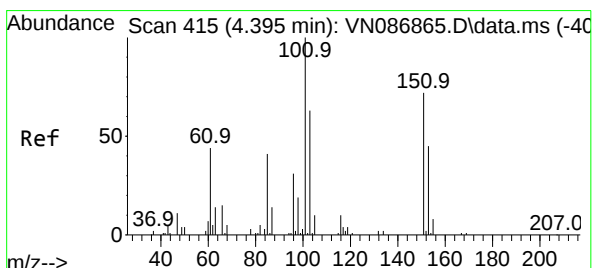
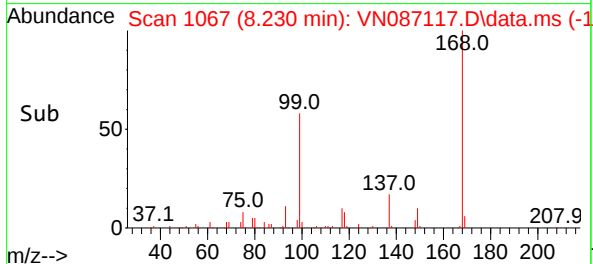
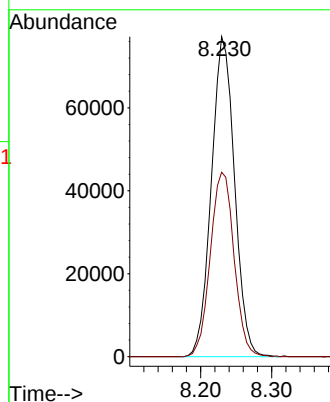
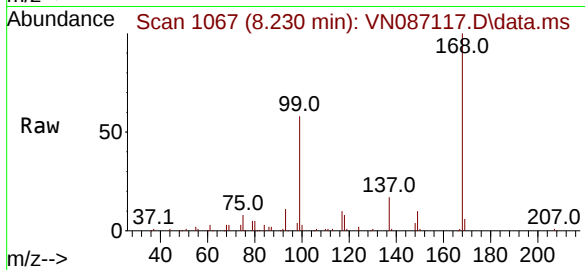




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1068
Delta R.T. -0.006 min
Lab File: VN087117.D
Acq: 19 Jun 2025 17:10

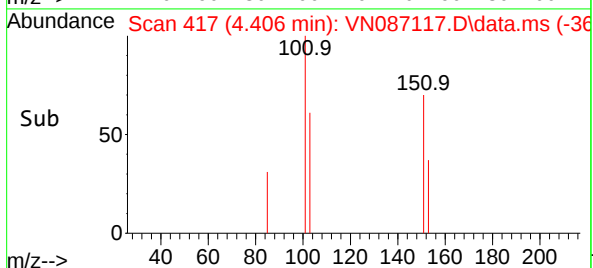
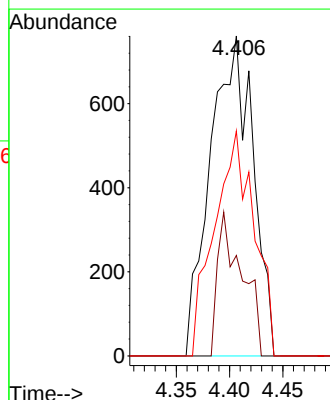
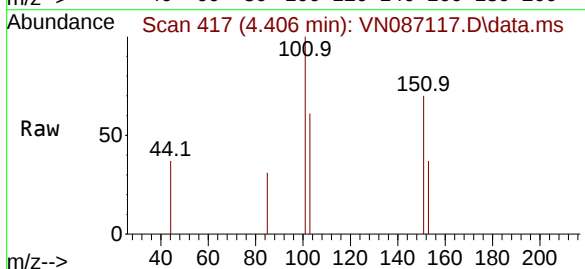
Instrument :
MSVOA_N
ClientSampleId :
TT172S1-20250613

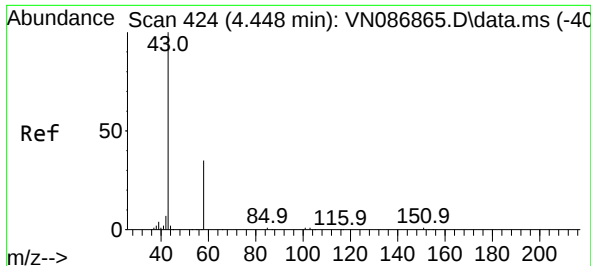
Tgt Ion:168 Resp: 174693
Ion Ratio Lower Upper
168 100
99 57.6 49.1 73.7



#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.109 ug/l
RT: 4.406 min Scan# 417
Delta R.T. 0.012 min
Lab File: VN087117.D
Acq: 19 Jun 2025 17:10

Tgt Ion:101 Resp: 2113
Ion Ratio Lower Upper
101 100
85 25.9 33.8 50.8#
151 65.7 58.7 88.1

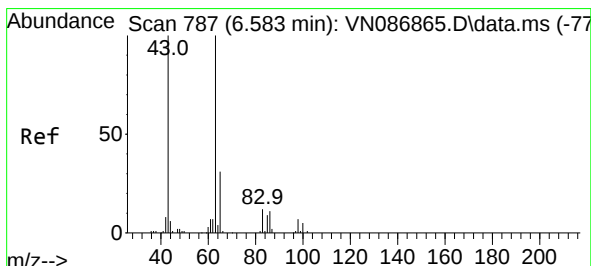
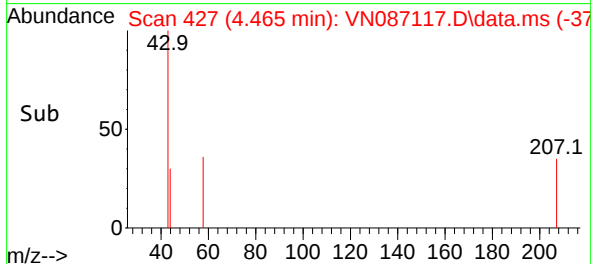
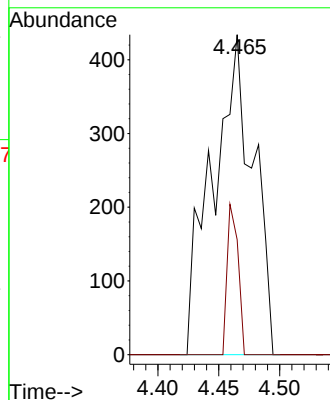
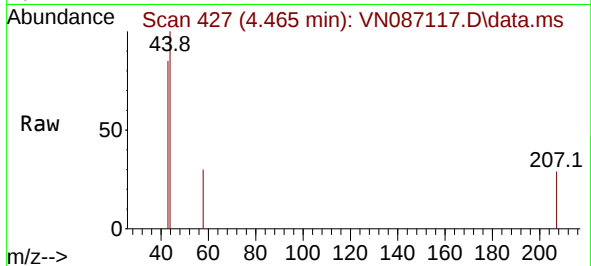




#16
Acetone
Concen: 0.816 ug/l
RT: 4.465 min Scan# 41
Delta R.T. 0.017 min
Lab File: VN087117.D
Acq: 19 Jun 2025 17:10

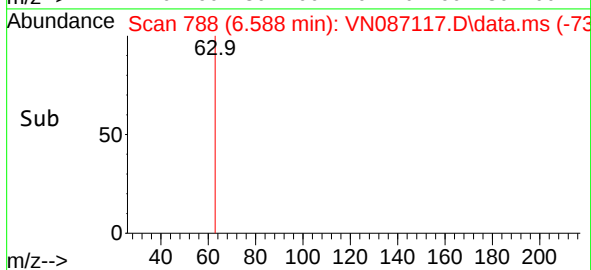
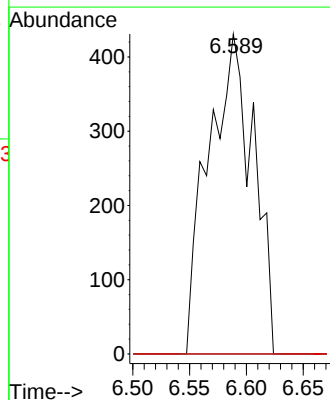
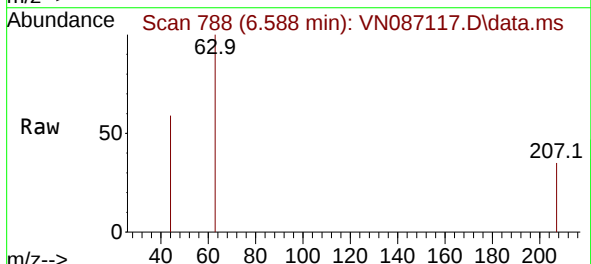
Instrument :
MSVOA_N
ClientSampleId :
TT172S1-20250613

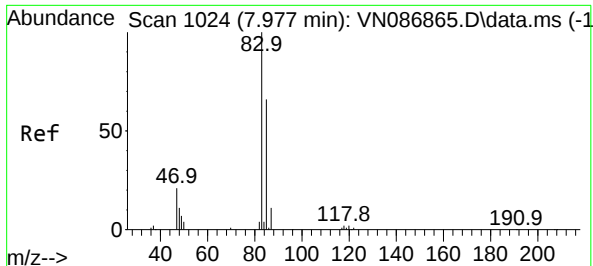
Tgt Ion: 43 Resp: 1012
Ion Ratio Lower Upper
43 100
58 35.9 28.0 42.0



#24
1,1-Dichloroethane
Concen: 0.303 ug/l
RT: 6.588 min Scan# 788
Delta R.T. 0.006 min
Lab File: VN087117.D
Acq: 19 Jun 2025 17:10

Tgt Ion: 63 Resp: 1184
Ion Ratio Lower Upper
63 100
98 0.0 3.6 10.8#
100 0.0 2.6 7.8#





#30

Chloroform

Concen: 0.442 ug/l

RT: 7.977 min Scan# 1024

Delta R.T. -0.000 min

Lab File: VN087117.D

Acq: 19 Jun 2025 17:10

Instrument :

MSVOA_N

ClientSampleId :

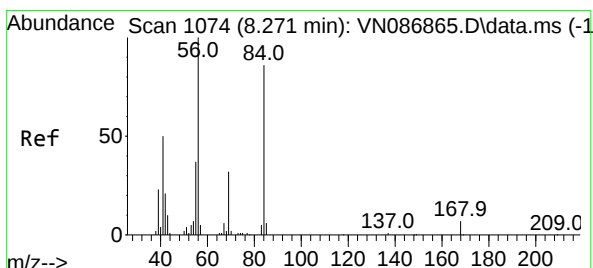
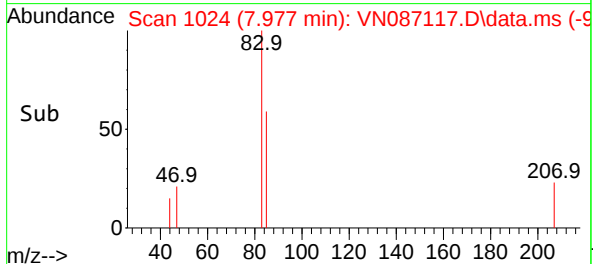
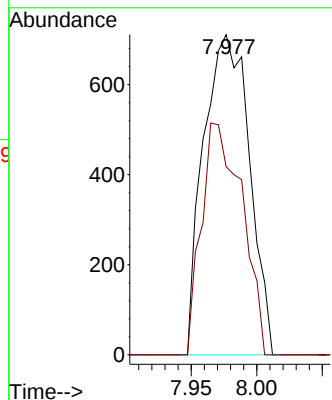
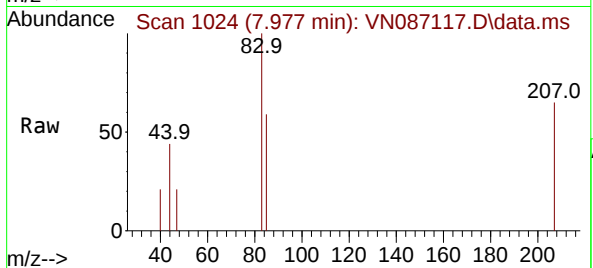
TT172S1-20250613

Tgt Ion: 83 Resp: 1728

Ion Ratio Lower Upper

83 100

85 58.8 52.9 79.3



#31

Cyclohexane

Concen: 0.781 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.047 min

Lab File: VN087117.D

Acq: 19 Jun 2025 17:10

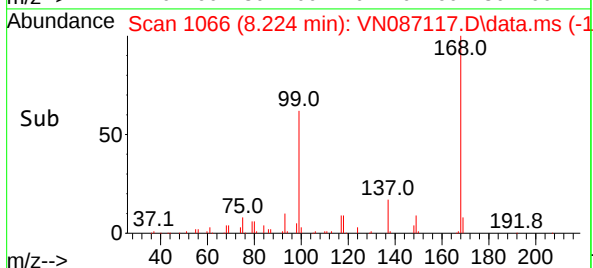
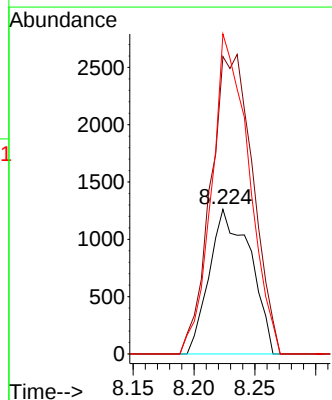
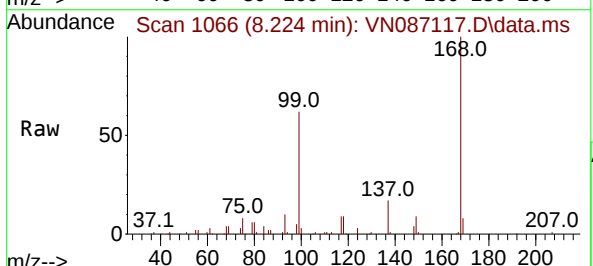
Tgt Ion: 56 Resp: 2961

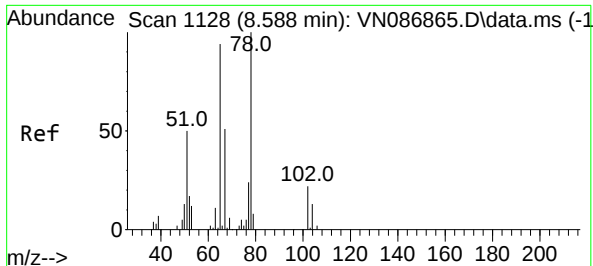
Ion Ratio Lower Upper

56 100

69 205.6 25.4 38.0#

84 221.2 68.8 103.2#





#33

1,2-Dichloroethane-d4

Concen: 53.067 ug/l

RT: 8.588 min Scan# 1128

Delta R.T. -0.000 min

Lab File: VN087117.D

Acq: 19 Jun 2025 17:10

Instrument :

MSVOA_N

ClientSampleId :

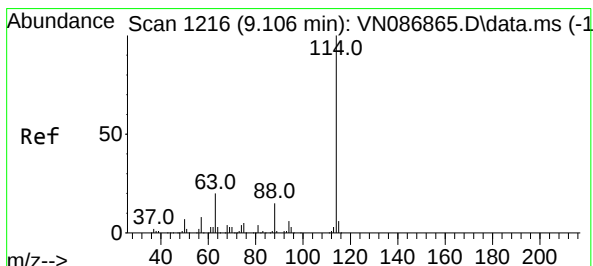
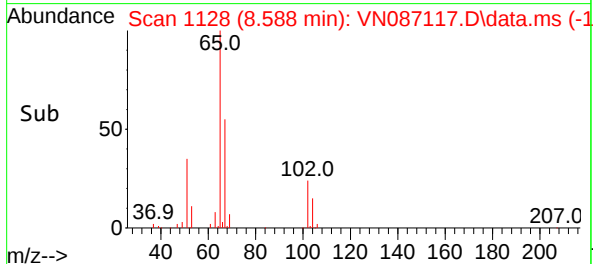
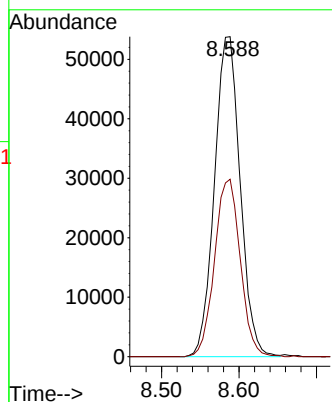
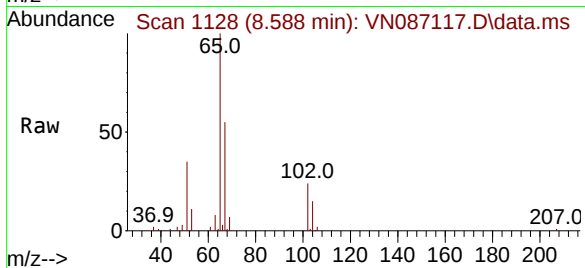
TT172S1-20250613

Tgt Ion: 65 Resp: 124120

Ion Ratio Lower Upper

65 100

67 55.5 0.0 105.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. -0.000 min

Lab File: VN087117.D

Acq: 19 Jun 2025 17:10

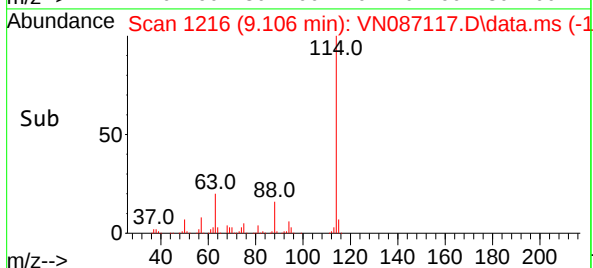
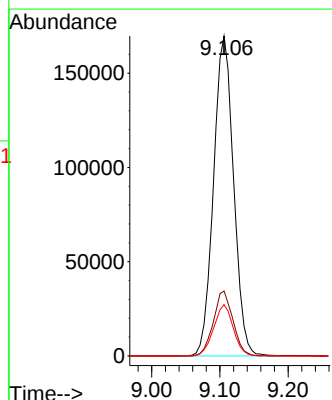
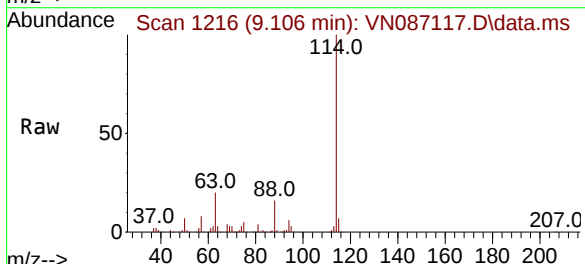
Tgt Ion: 114 Resp: 347567

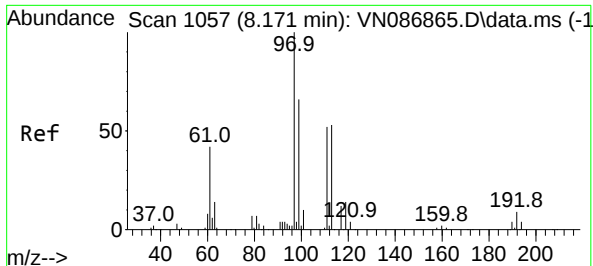
Ion Ratio Lower Upper

114 100

63 20.3 0.0 39.6

88 16.0 0.0 30.2





#35

Dibromofluoromethane

Concen: 51.126 ug/l

RT: 8.177 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN087117.D

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Instrument :

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ClientSampleId :

TT172S1-20250613

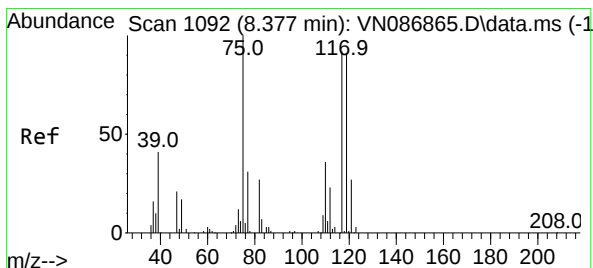
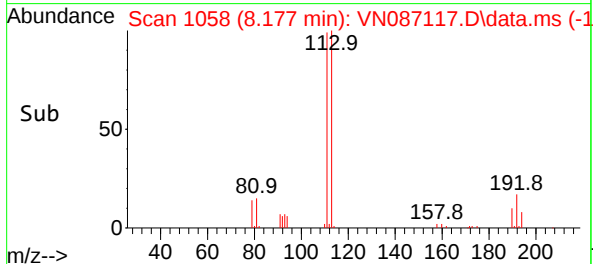
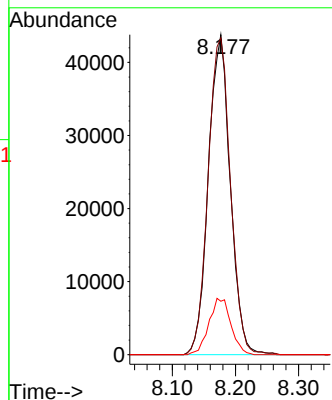
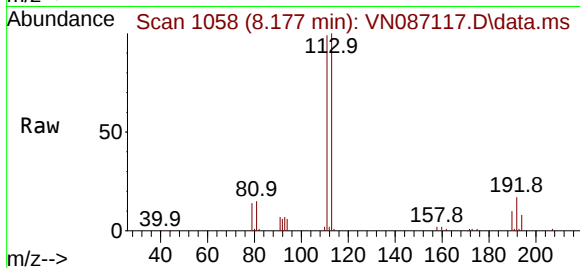
Tgt Ion:113 Resp: 105308

Ion Ratio Lower Upper

113 100

111 101.5 84.2 126.2

192 17.7 14.2 21.4



#36

1,1-Dichloropropene

Concen: 4.268 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.147 min

Lab File: VN087117.D

Acq: 19 Jun 2025 17:10

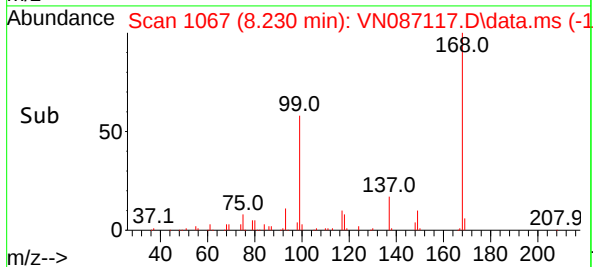
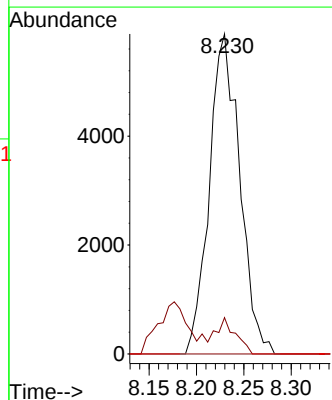
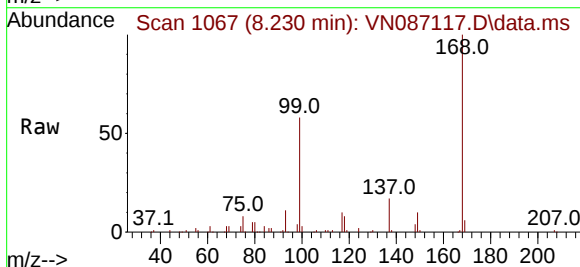
Tgt Ion: 75 Resp: 13100

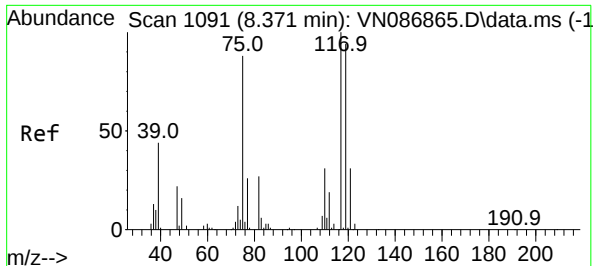
Ion Ratio Lower Upper

75 100

110 7.3 17.6 52.9#

77 0.0 25.3 37.9#

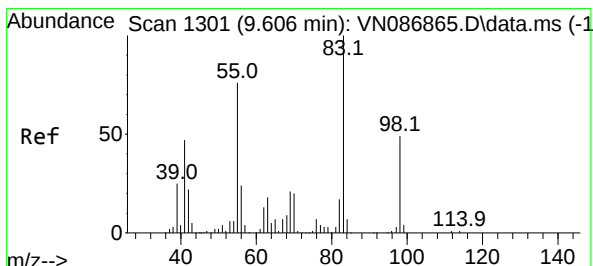
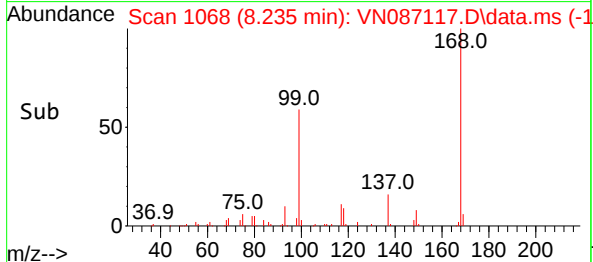
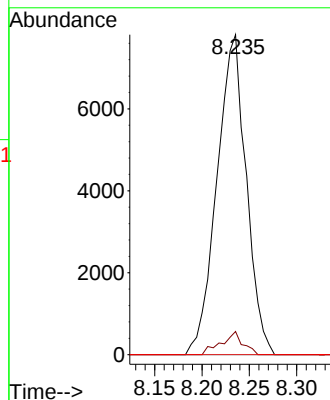
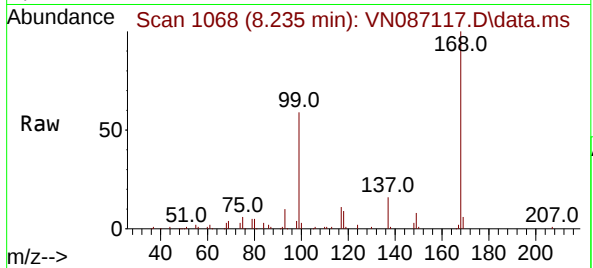




#38
Carbon Tetrachloride
Concen: 5.581 ug/l
RT: 8.235 min Scan# 1091
Delta R.T. -0.135 min
Lab File: VN087117.D
Acq: 19 Jun 2025 17:10

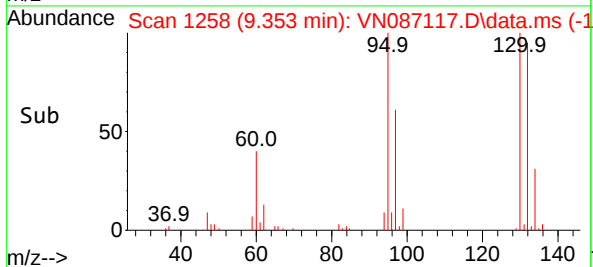
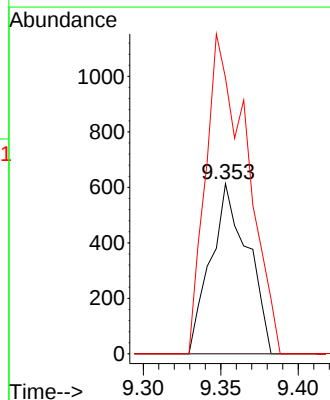
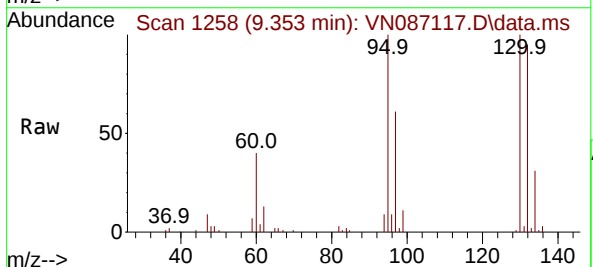
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TT172S1-20250613

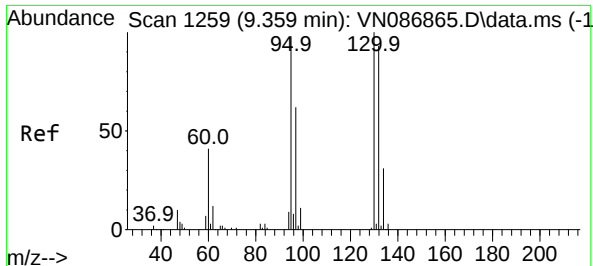
Tgt Ion:117 Resp: 16818
Ion Ratio Lower Upper
117 100
119 7.3 75.0 112.6#
121 0.0 24.9 37.3#



#39
Methylcyclohexane
Concen: 0.242 ug/l
RT: 9.353 min Scan# 1258
Delta R.T. -0.253 min
Lab File: VN087117.D
Acq: 19 Jun 2025 17:10

Tgt Ion: 83 Resp: 1019
Ion Ratio Lower Upper
83 100
55 0.0 61.0 91.6#
98 162.3 38.9 58.3#

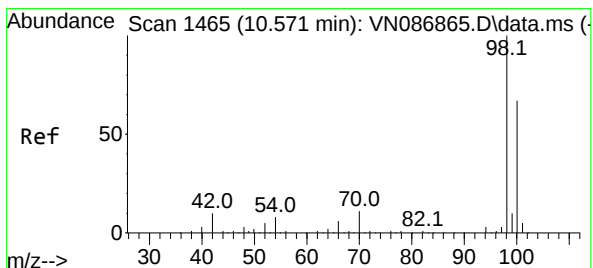
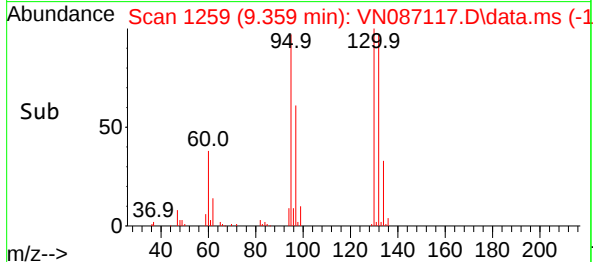
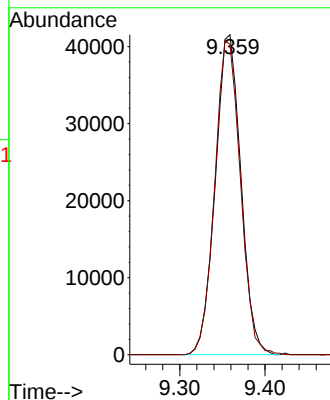
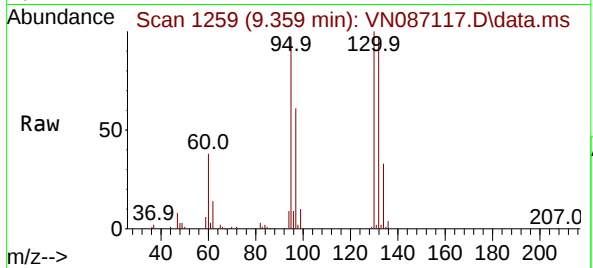




#44
Trichloroethene
Concen: 36.446 ug/l
RT: 9.359 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN087117.D
Acq: 19 Jun 2025 17:10

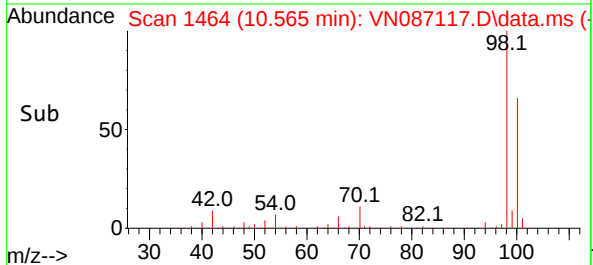
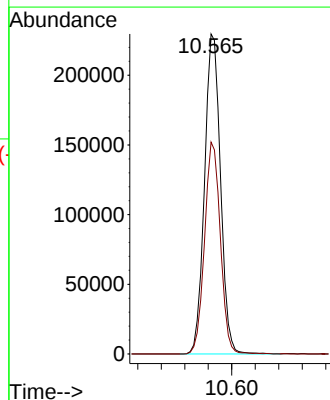
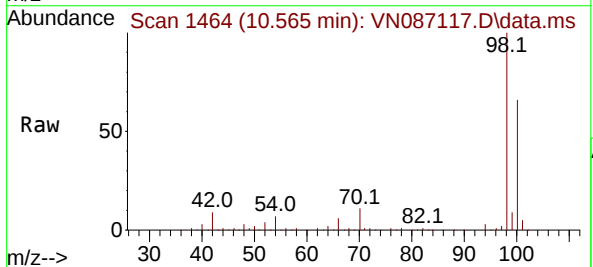
Instrument :
MSVOA_N
ClientSampleId :
TT172S1-20250613

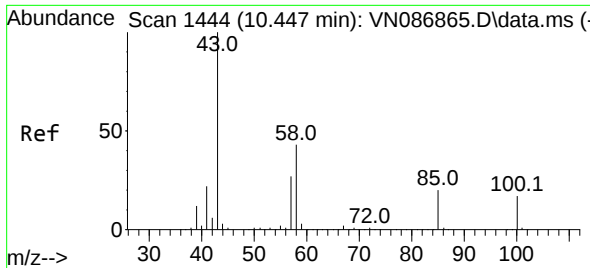
Tgt Ion:130 Resp: 86736
Ion Ratio Lower Upper
130 100
95 97.0 0.0 196.2



#50
Toluene-d8
Concen: 53.135 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VN087117.D
Acq: 19 Jun 2025 17:10

Tgt Ion: 98 Resp: 433267
Ion Ratio Lower Upper
98 100
100 65.5 53.4 80.0





#51

4-Methyl-2-Pentanone

Concen: 0.347 ug/l

RT: 10.565 min Scan# 14

Delta R.T. 0.118 min

Lab File: VN087117.D

Acq: 19 Jun 2025 17:10

Instrument :

MSVOA_N

ClientSampleId :

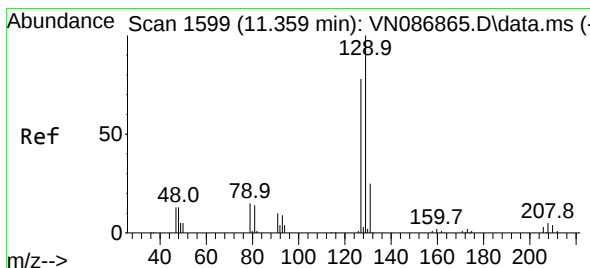
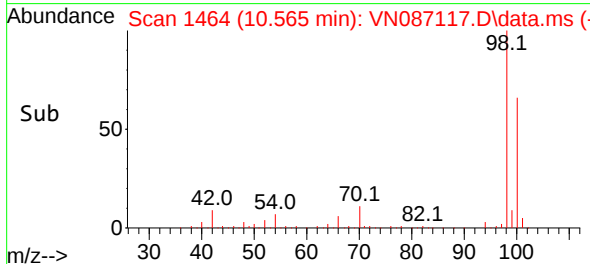
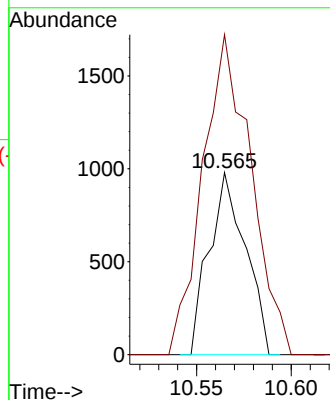
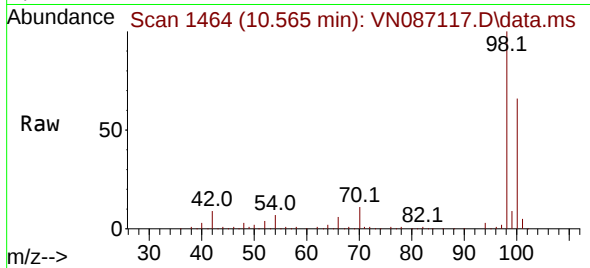
TT172S1-20250613

Tgt Ion: 43 Resp: 1309

Ion Ratio Lower Upper

43 100

58 232.7 34.2 51.4#



#60

Dibromochloromethane

Concen: 1.381 ug/l

RT: 11.100 min Scan# 1555

Delta R.T. -0.259 min

Lab File: VN087117.D

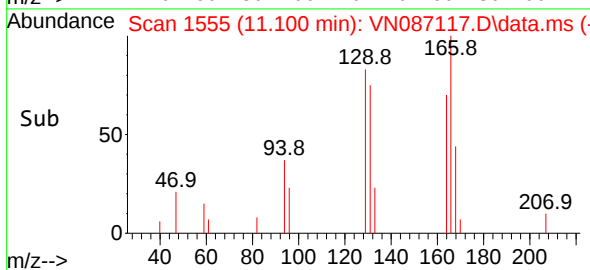
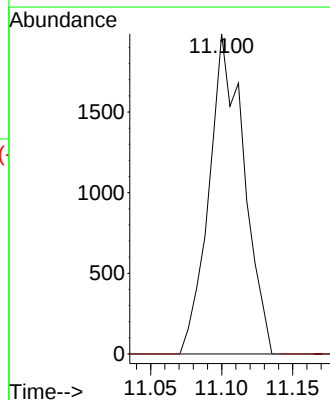
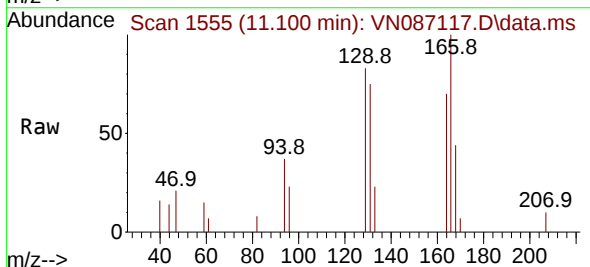
Acq: 19 Jun 2025 17:10

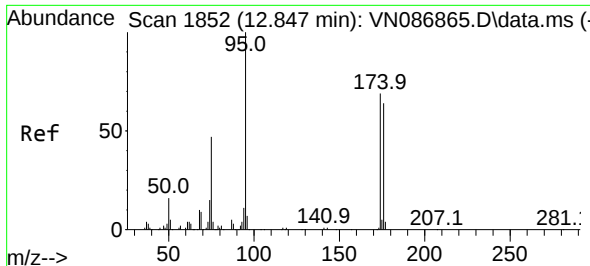
Tgt Ion: 129 Resp: 3396

Ion Ratio Lower Upper

129 100

127 0.0 38.6 115.8#

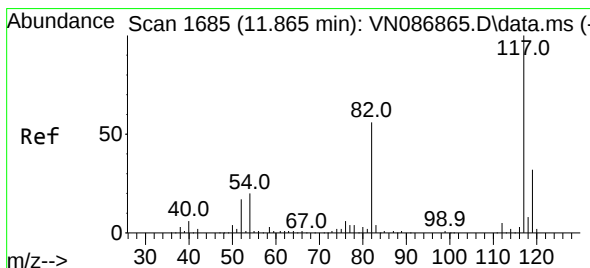
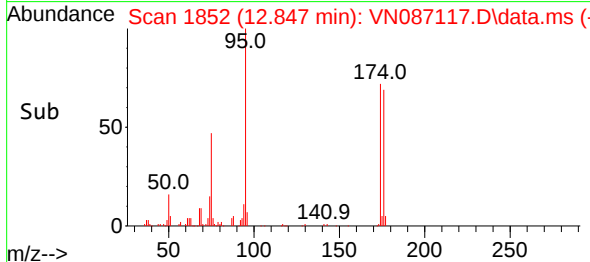
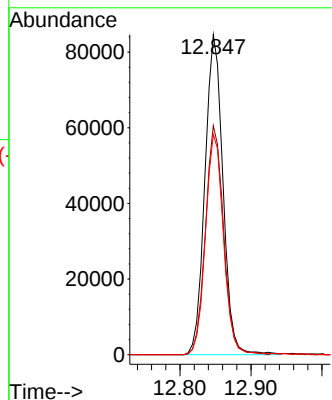
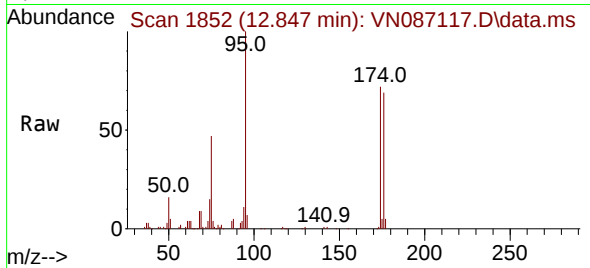




#62
4-Bromofluorobenzene
Concen: 49.346 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN087117.D
Acq: 19 Jun 2025 17:10

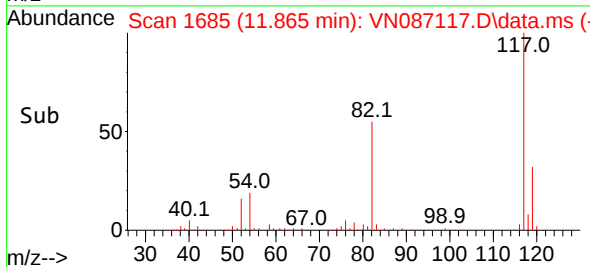
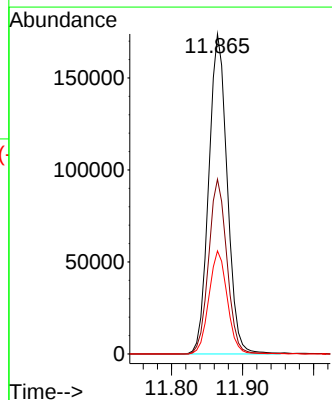
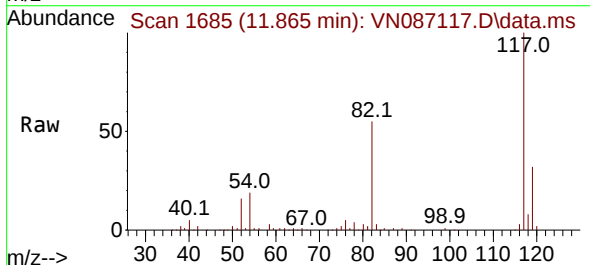
Instrument :
MSVOA_N
ClientSampleId :
TT172S1-20250613

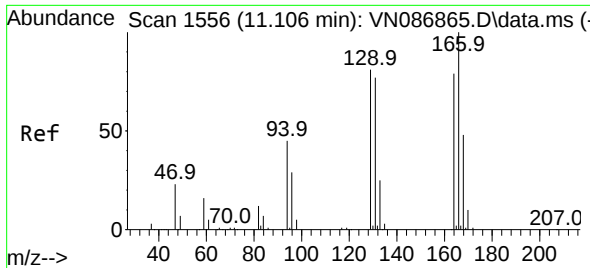
Tgt Ion: 95 Resp: 149492
Ion Ratio Lower Upper
95 100
174 72.1 0.0 141.8
176 68.9 0.0 132.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN087117.D
Acq: 19 Jun 2025 17:10

Tgt Ion: 117 Resp: 313987
Ion Ratio Lower Upper
117 100
82 54.6 44.6 67.0
119 32.2 25.5 38.3



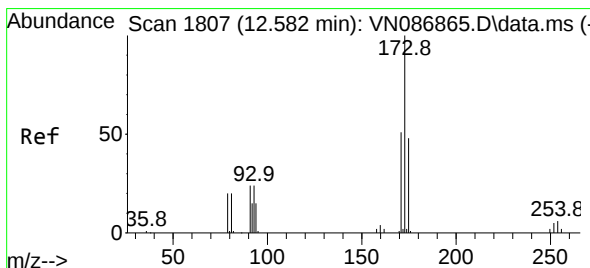
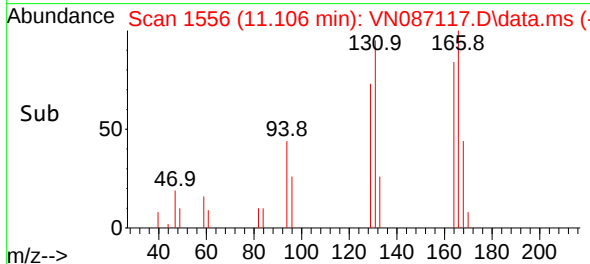
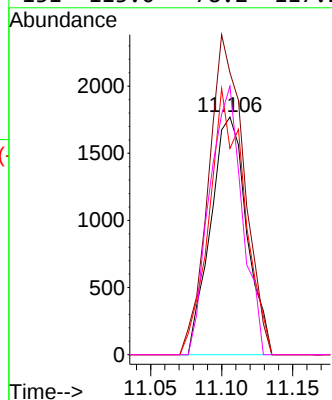
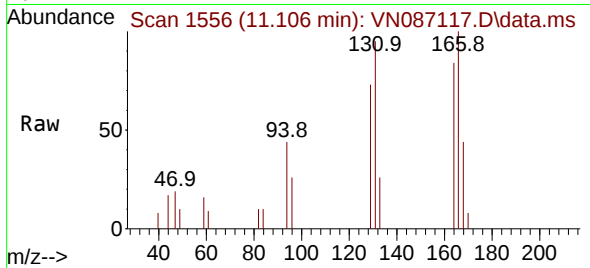


#64
Tetrachloroethene
Concen: 1.578 ug/l
RT: 11.106 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN087117.D
Acq: 19 Jun 2025 17:10

Instrument :
MSVOA_N
ClientSampleId :
TT172S1-20250613

Tgt Ion:164 Resp: 3135

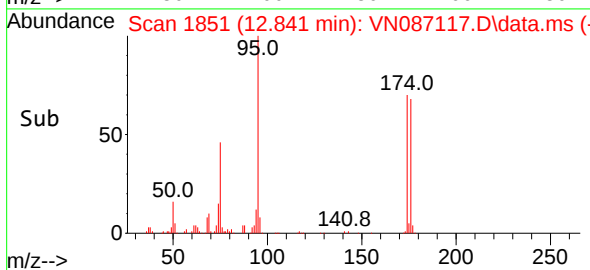
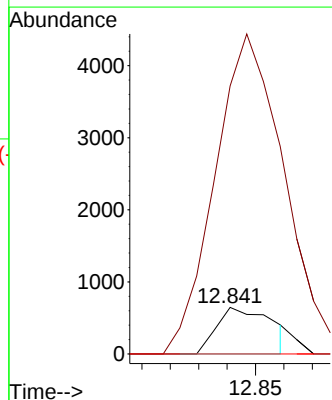
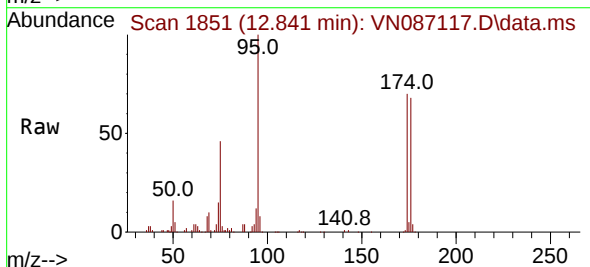
Ion	Ratio	Lower	Upper
164	100		
166	118.6	101.8	152.8
129	86.8	83.0	124.4
131	113.0	78.2	117.2

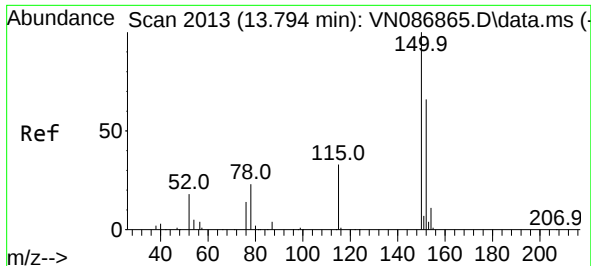


#71
Bromoform
Concen: 0.526 ug/l
RT: 12.841 min Scan# 1851
Delta R.T. 0.259 min
Lab File: VN087117.D
Acq: 19 Jun 2025 17:10

Tgt Ion:173 Resp: 867

Ion	Ratio	Lower	Upper
173	100		
175	757.6	24.1	72.4#
254	0.0	0.0	0.0

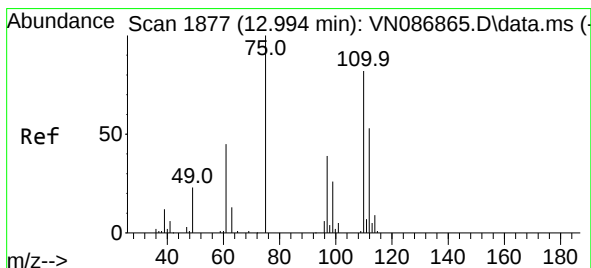
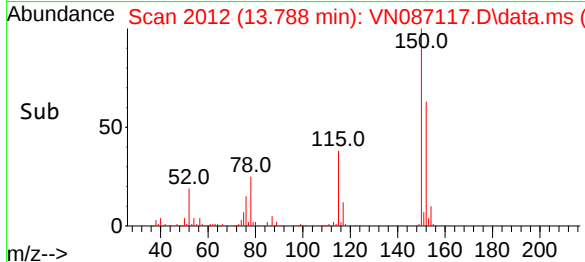
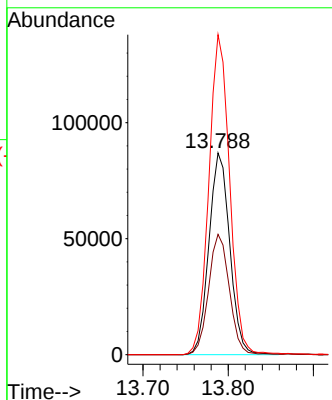
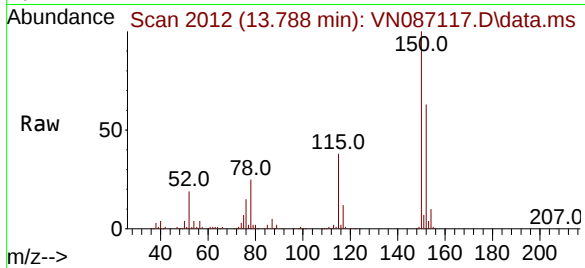




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 20
Delta R.T. -0.006 min
Lab File: VN087117.D
Acq: 19 Jun 2025 17:10

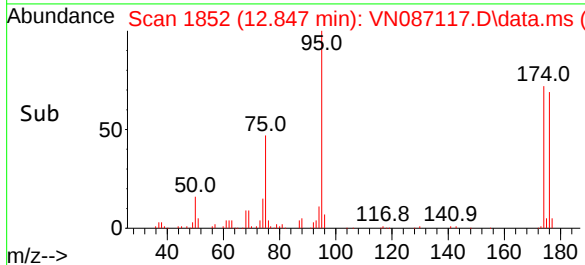
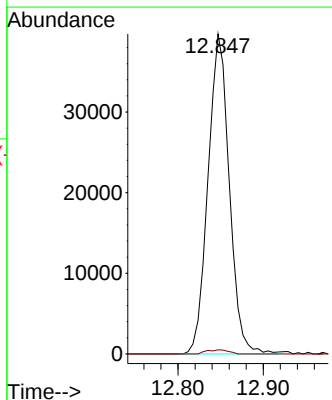
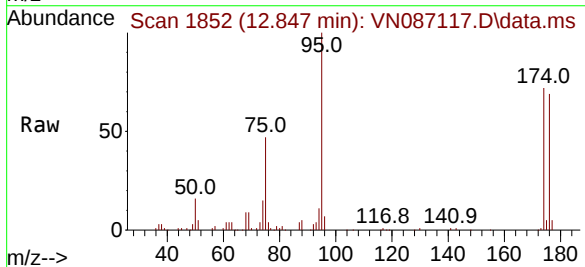
Instrument :
MSVOA_N
ClientSampleId :
TT172S1-20250613

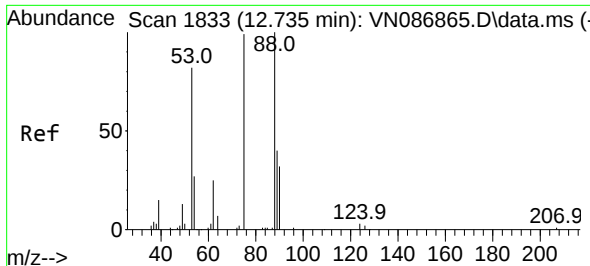
Tgt Ion:152 Resp: 147771
Ion Ratio Lower Upper
152 100
115 59.6 30.1 90.5
150 158.7 0.0 345.0



#76
1,2,3-Trichloropropane
Concen: 19.588 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN087117.D
Acq: 19 Jun 2025 17:10

Tgt Ion: 75 Resp: 68803
Ion Ratio Lower Upper
75 100
77 1.3 79.3 237.9#

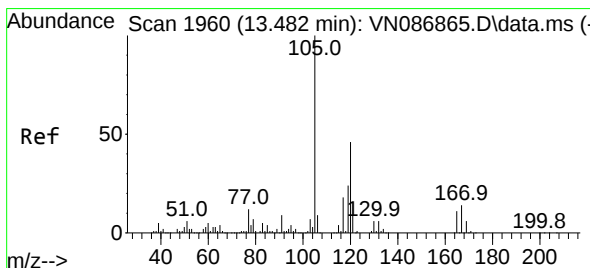
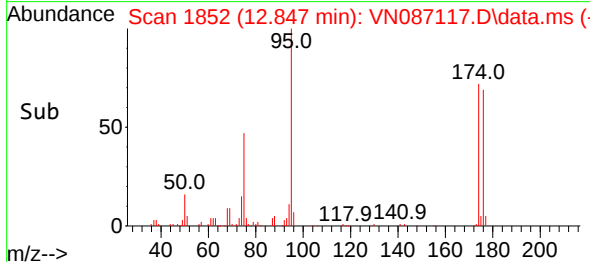
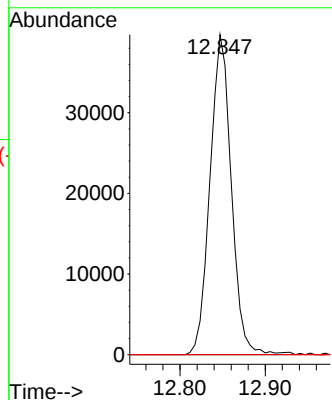
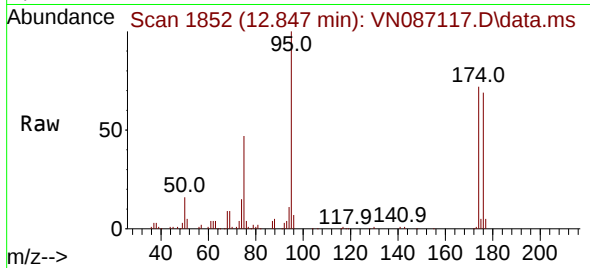




#81
trans-1,4-Dichloro-2-butene
Concen: 45.090 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN087117.D
Acq: 19 Jun 2025 17:10

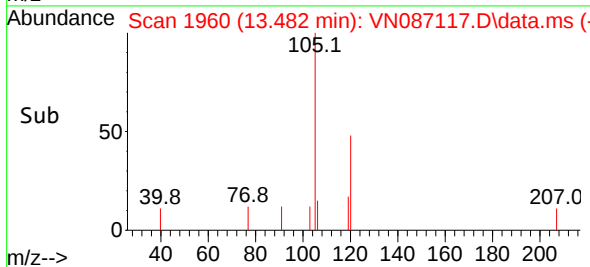
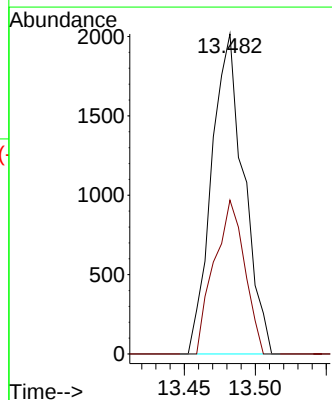
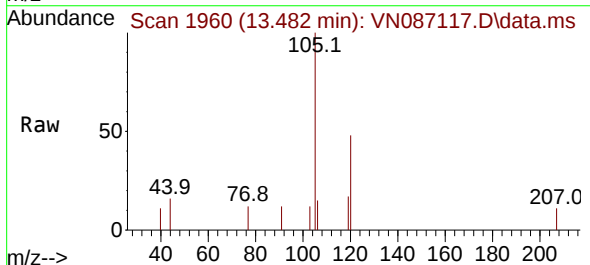
Instrument :
MSVOA_N
ClientSampleId :
TT172S1-20250613

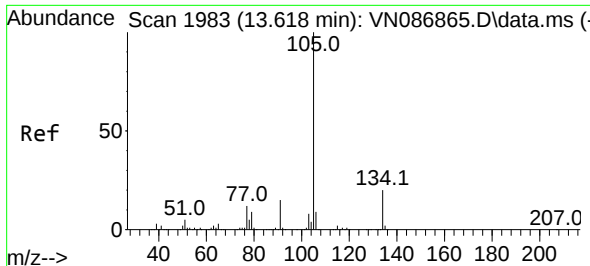
Tgt Ion: 75 Resp: 68803
Ion Ratio Lower Upper
75 100
53 0.0 66.6 99.8#
89 0.0 36.7 55.1#



#84
1,2,4-Trimethylbenzene
Concen: 0.357 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. -0.000 min
Lab File: VN087117.D
Acq: 19 Jun 2025 17:10

Tgt Ion: 105 Resp: 3180
Ion Ratio Lower Upper
105 100
120 45.4 23.2 69.6

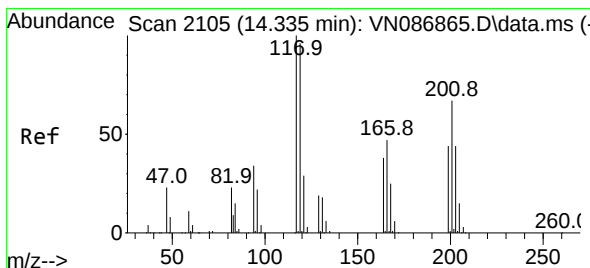
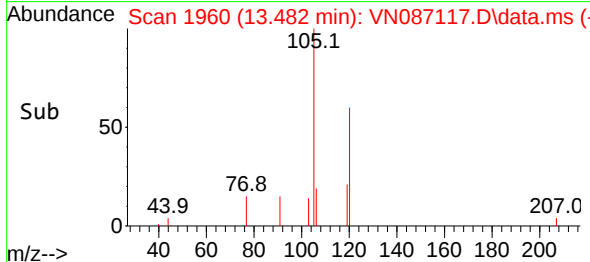
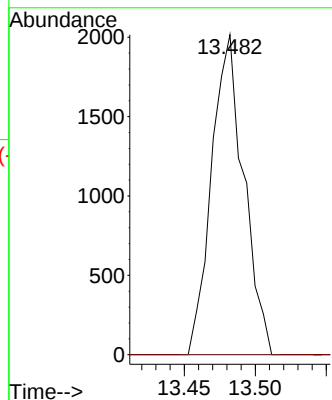
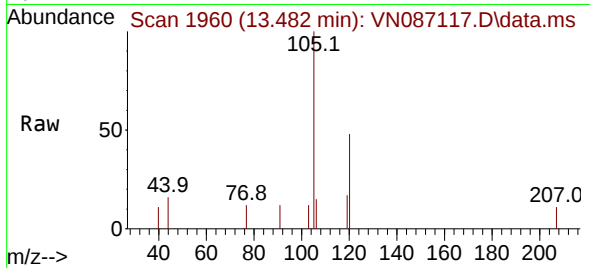




#85
 sec-Butylbenzene
 Concen: 0.269 ug/l
 RT: 13.482 min Scan# 1983
 Delta R.T. -0.135 min
 Lab File: VN087117.D
 Acq: 19 Jun 2025 17:10

Instrument :
 MSVOA_N
 ClientSampleId :
 TT172S1-20250613

Tgt Ion:105 Resp: 3180
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.0 30.0#



#90
 Hexachloroethane
 Concen: 0.493 ug/l
 RT: 14.447 min Scan# 2124
 Delta R.T. 0.112 min
 Lab File: VN087117.D
 Acq: 19 Jun 2025 17:10

Tgt Ion:117 Resp: 816
 Ion Ratio Lower Upper
 117 100
 201 0.0 33.2 99.6#

