

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061625\
 Data File : VN087023.D
 Acq On : 16 Jun 2025 12:22
 Operator : JC\MD
 Sample : Q2299-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE117D1-20250609

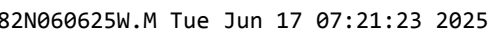
Quant Time: Jun 17 07:21:12 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 07 02:12:50 2025
 Response via : Initial Calibration

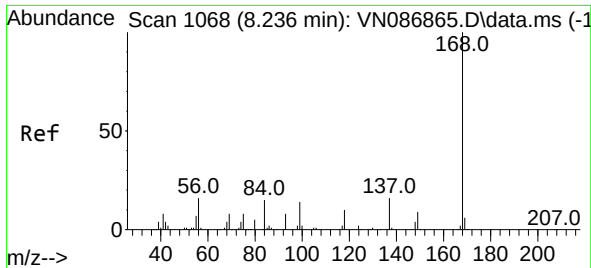
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.229	168	248893	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	491697	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	447651	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	215929	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	173132	51.954	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 103.900%	
35) Dibromofluoromethane	8.177	113	147882	50.750	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 101.500%	
50) Toluene-d8	10.570	98	601581	52.151	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 104.300%	
62) 4-Bromofluorobenzene	12.847	95	219116	51.127	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 102.260%	
Target Compounds						
					Qvalue	
9) 1,1,2-Trichlorotrifluo...	4.394	101	3512	1.294	ug/l #	79
12) 1,1-Dichloroethene	4.371	96	4876	1.760	ug/l	91
16) Acetone	4.453	43	1748	0.989	ug/l #	82
27) cis-1,2-Dichloroethene	7.494	96	3491	0.947	ug/l	83
30) Chloroform	7.977	83	1581	0.284	ug/l	84
31) Cyclohexane	8.229	56	4359	0.807	ug/l #	1
36) 1,1-Dichloropropene	8.229	75	18329	4.221	ug/l #	49
38) Carbon Tetrachloride	8.371	117	4417	1.036	ug/l	94
39) Methylcyclohexane	9.353	83	3589	0.603	ug/l #	1
44) Trichloroethene	9.359	130	317312	94.249	ug/l	98
51) 4-Methyl-2-Pentanone	10.565	43	2178	0.408	ug/l #	1
55) 1,1,2-Trichloroethane	11.018	97	1574	0.471	ug/l #	79
76) 1,2,3-Trichloropropane	12.847	75	99434	19.373	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	99434	44.595	ug/l #	16
84) 1,2,4-Trimethylbenzene	13.488	105	2703	0.208	ug/l	69

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

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Quant Title : SW846 8260
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Response via : Initial Calibration

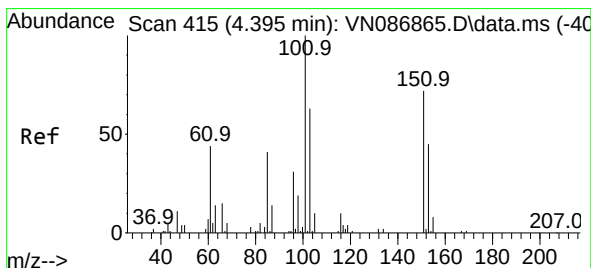
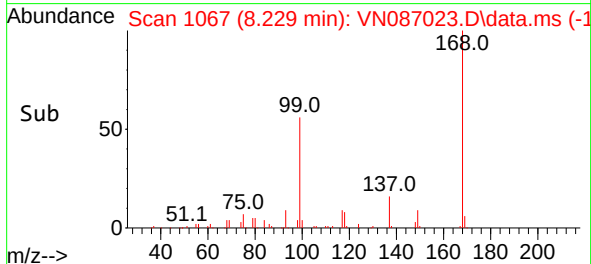
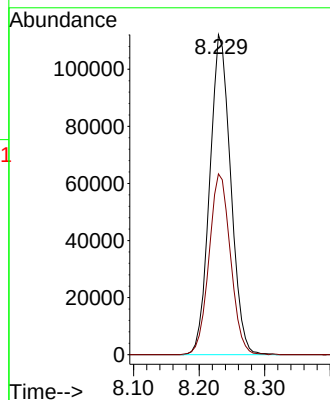
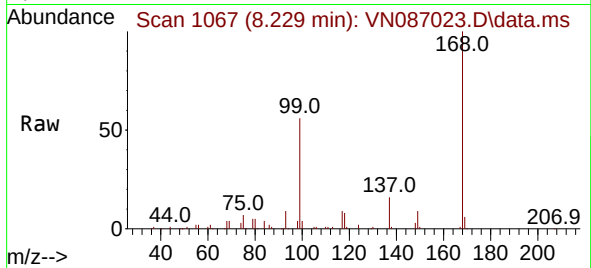




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.007 min
Lab File: VN087023.D
Acq: 16 Jun 2025 12:22

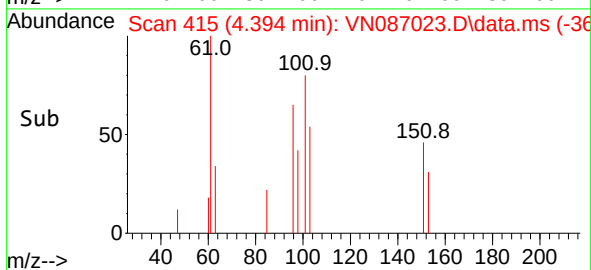
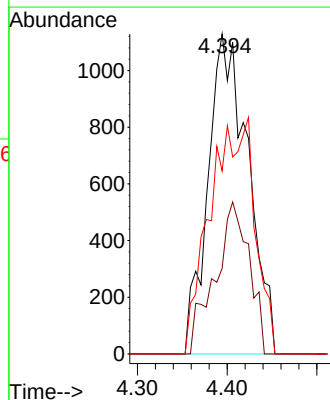
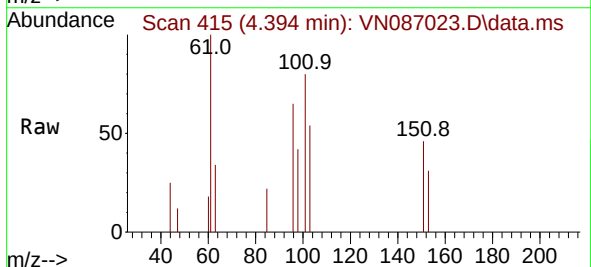
Instrument :
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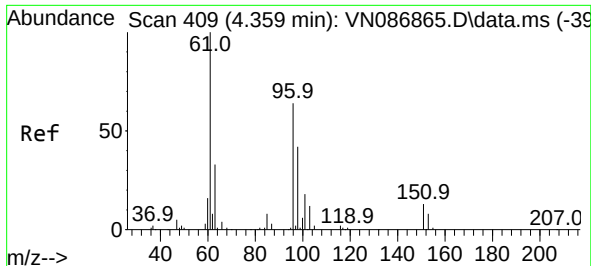
Tgt Ion:168 Resp: 248893
Ion Ratio Lower Upper
168 100
99 56.5 49.1 73.7



#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.294 ug/l
RT: 4.394 min Scan# 415
Delta R.T. -0.000 min
Lab File: VN087023.D
Acq: 16 Jun 2025 12:22

Tgt Ion:101 Resp: 3512
Ion Ratio Lower Upper
101 100
85 40.4 33.8 50.8
151 46.5 58.7 88.1#

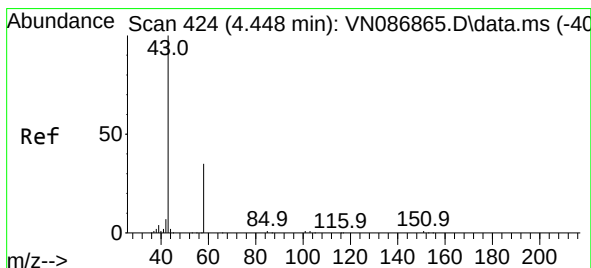
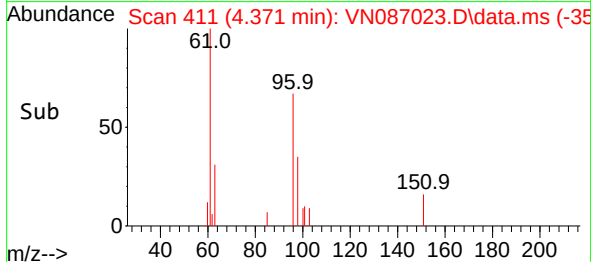
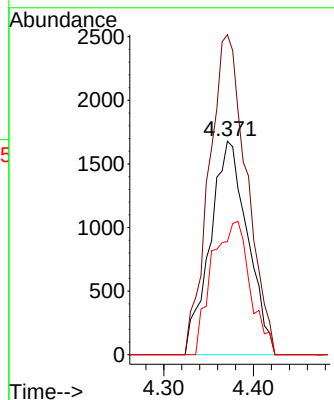
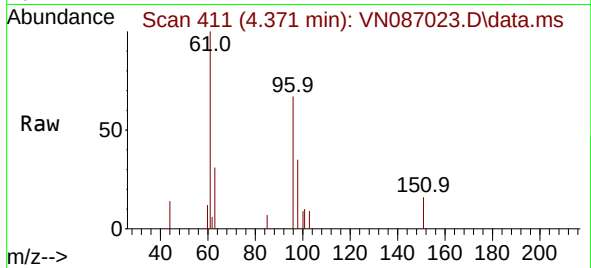




#12
 1,1-Dichloroethene
 Concen: 1.760 ug/l
 RT: 4.371 min Scan# 411
 Delta R.T. 0.011 min
 Lab File: VN087023.D
 Acq: 16 Jun 2025 12:22

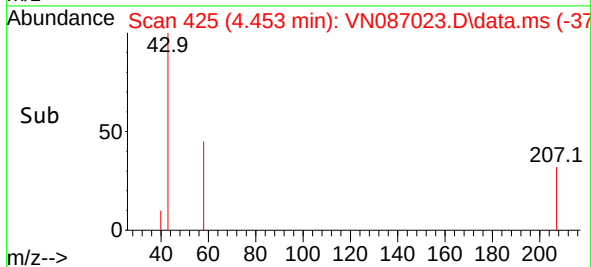
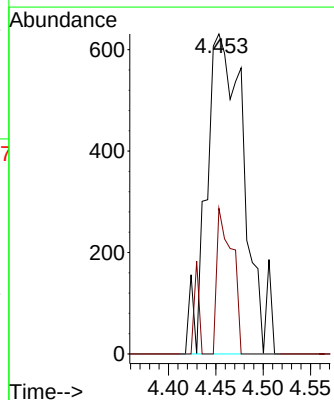
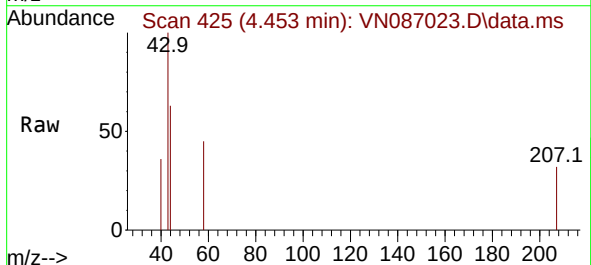
Instrument :
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 ClientSampleId :
 RE117D1-20250609

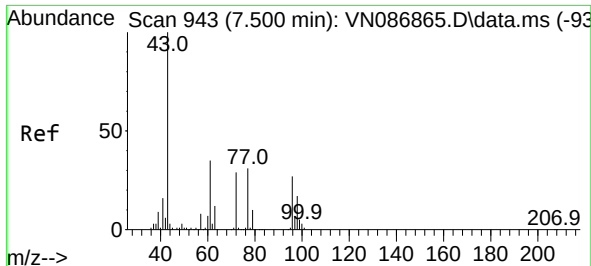
Tgt Ion: 96 Resp: 4876
 Ion Ratio Lower Upper
 96 100
 61 149.9 125.8 188.6
 98 53.0 52.5 78.7



#16
 Acetone
 Concen: 0.989 ug/l
 RT: 4.453 min Scan# 425
 Delta R.T. 0.006 min
 Lab File: VN087023.D
 Acq: 16 Jun 2025 12:22

Tgt Ion: 43 Resp: 1748
 Ion Ratio Lower Upper
 43 100
 58 45.5 28.0 42.0#

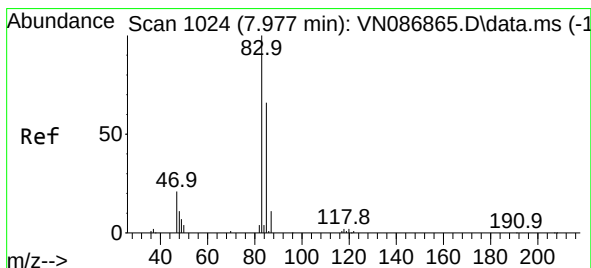
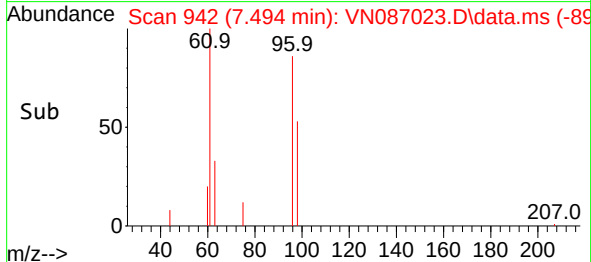
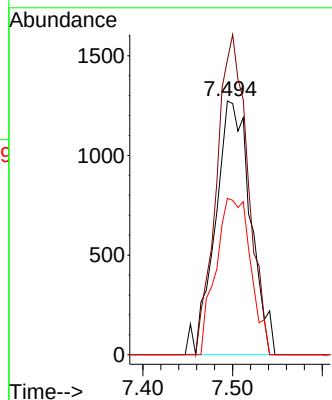
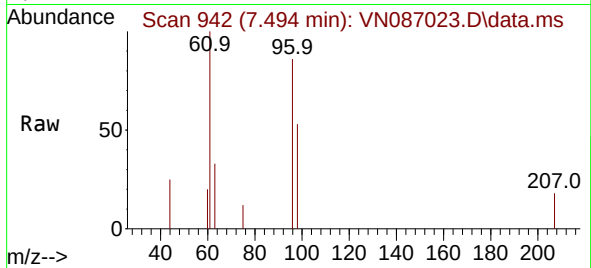




#27
 cis-1,2-Dichloroethene
 Concen: 0.947 ug/l
 RT: 7.494 min Scan# 94
 Delta R.T. -0.006 min
 Lab File: VN087023.D
 Acq: 16 Jun 2025 12:22

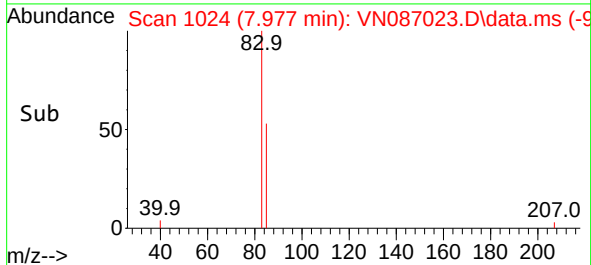
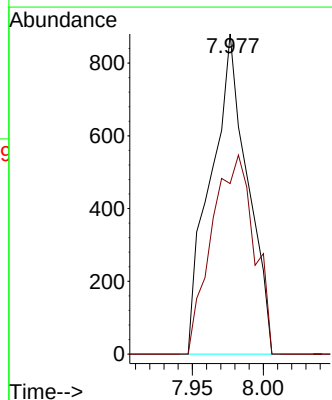
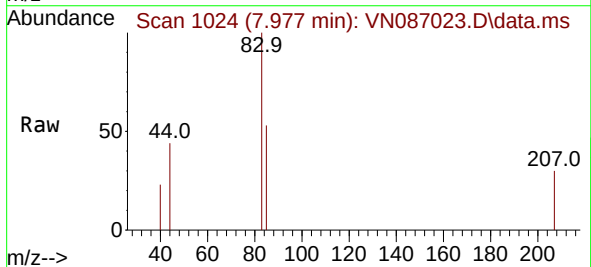
Instrument :
 MSVOA_N
 ClientSampleId :
 RE117D1-20250609

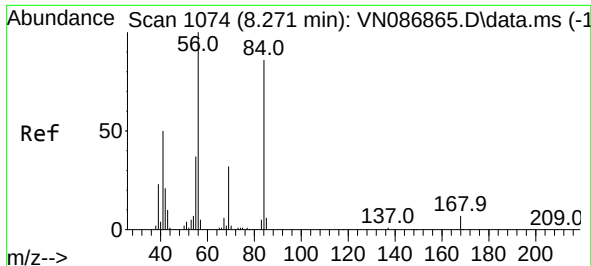
Tgt Ion: 96 Resp: 3491
 Ion Ratio Lower Upper
 96 100
 61 111.9 0.0 278.0
 98 60.5 0.0 128.2



#30
 Chloroform
 Concen: 0.284 ug/l
 RT: 7.977 min Scan# 1024
 Delta R.T. -0.000 min
 Lab File: VN087023.D
 Acq: 16 Jun 2025 12:22

Tgt Ion: 83 Resp: 1581
 Ion Ratio Lower Upper
 83 100
 85 53.3 52.9 79.3

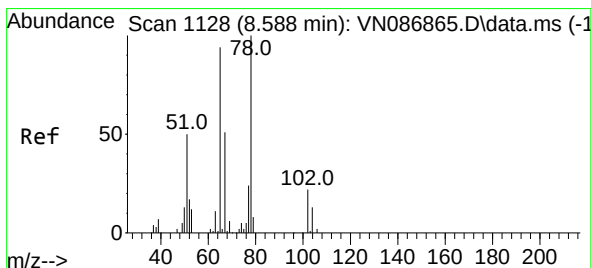
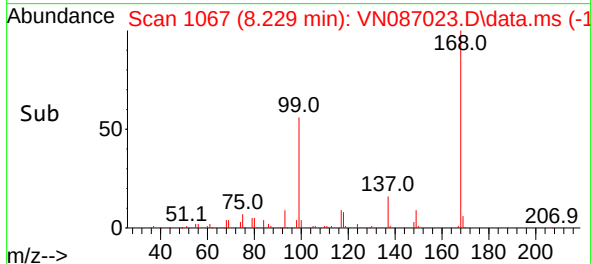
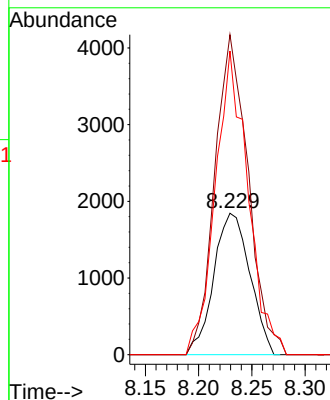
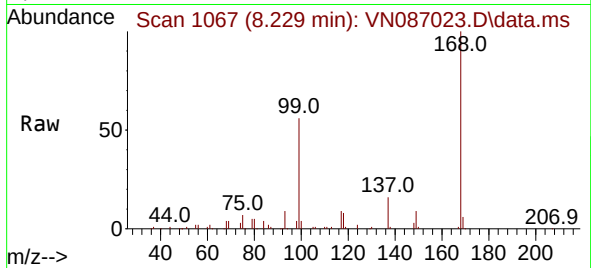




#31
Cyclohexane
Concen: 0.807 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.041 min
Lab File: VN087023.D
Acq: 16 Jun 2025 12:22

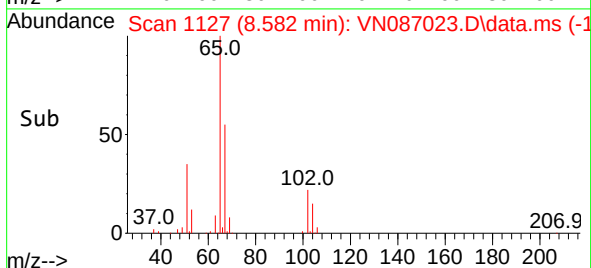
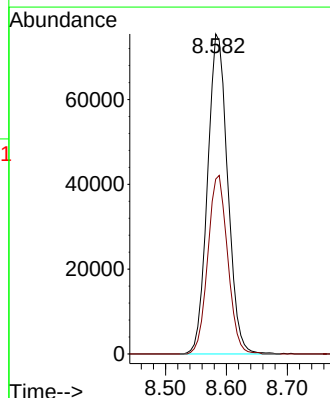
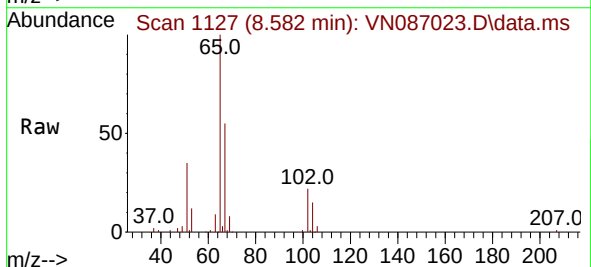
Instrument :
MSVOA_N
ClientSampleId :
RE117D1-20250609

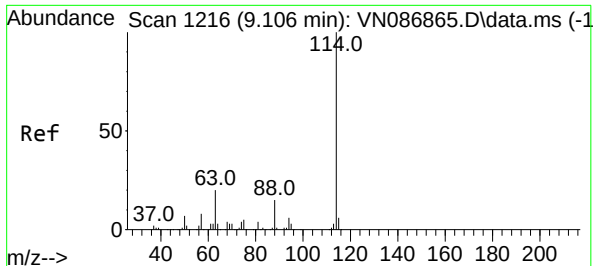
Tgt Ion: 56 Resp: 4359
Ion Ratio Lower Upper
56 100
69 226.2 25.4 38.0#
84 214.7 68.8 103.2#



#33
1,2-Dichloroethane-d4
Concen: 51.954 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. -0.006 min
Lab File: VN087023.D
Acq: 16 Jun 2025 12:22

Tgt Ion: 65 Resp: 173132
Ion Ratio Lower Upper
65 100
67 55.0 0.0 105.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN087023.D

Acq: 16 Jun 2025 12:22

Instrument :

MSVOA_N

ClientSampleId :

RE117D1-20250609

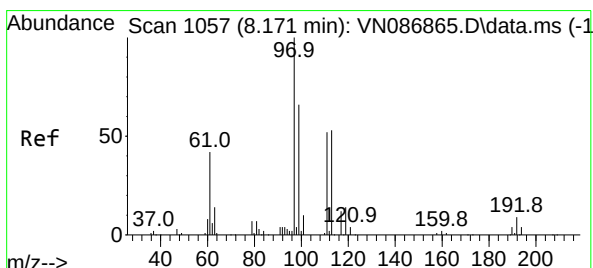
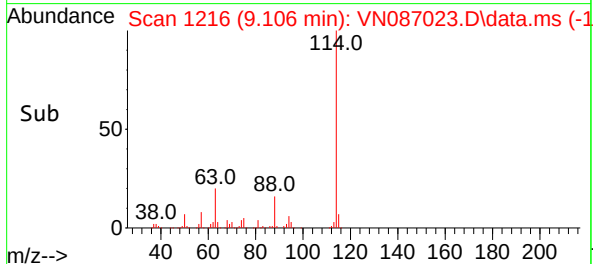
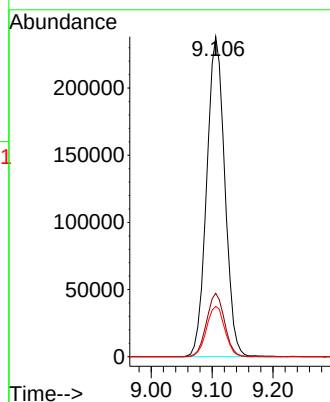
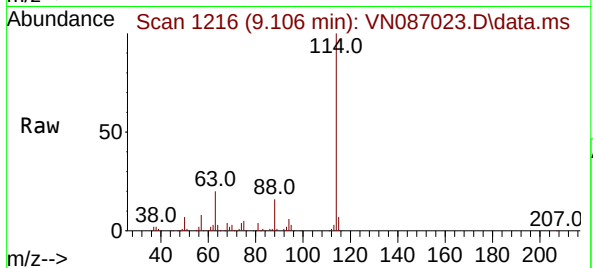
Tgt Ion:114 Resp: 491697

Ion Ratio Lower Upper

114 100

63 19.8 0.0 39.6

88 15.7 0.0 30.2



#35

Dibromofluoromethane

Concen: 50.750 ug/l

RT: 8.177 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VN087023.D

Acq: 16 Jun 2025 12:22

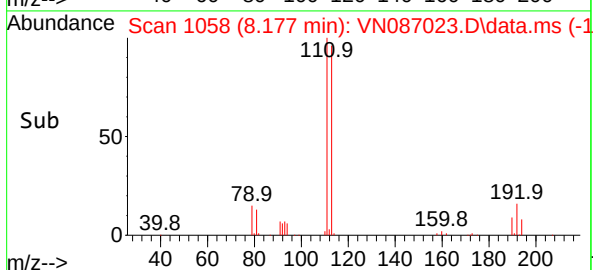
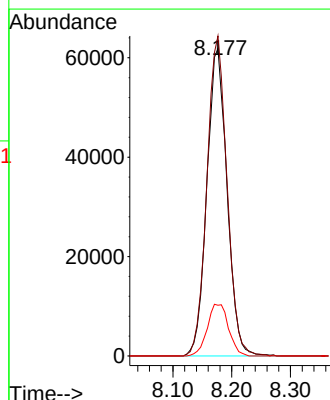
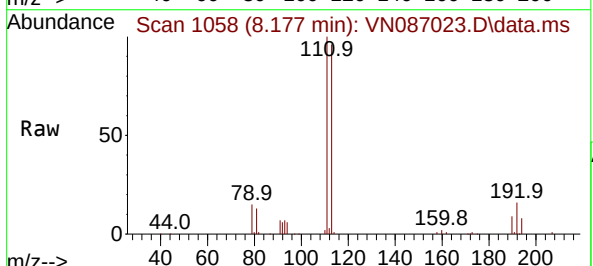
Tgt Ion:113 Resp: 147882

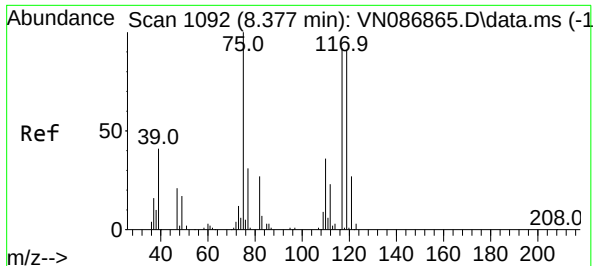
Ion Ratio Lower Upper

113 100

111 103.5 84.2 126.2

192 17.7 14.2 21.4





#36

1,1-Dichloropropene

Concen: 4.221 ug/l

RT: 8.229 min Scan# 1067

Delta R.T. -0.147 min

Lab File: VN087023.D

Acq: 16 Jun 2025 12:22

Instrument :

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ClientSampleId :

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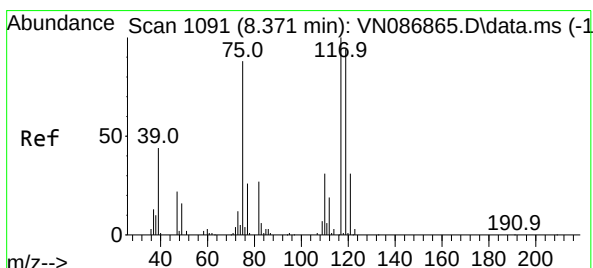
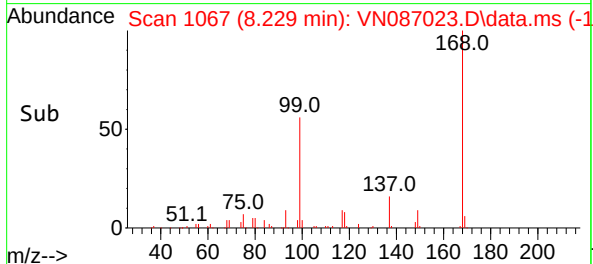
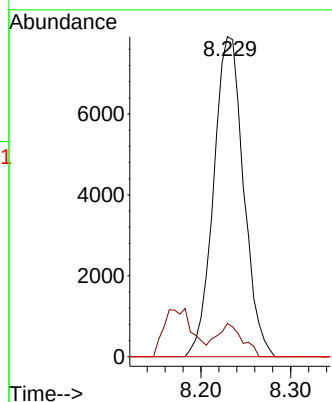
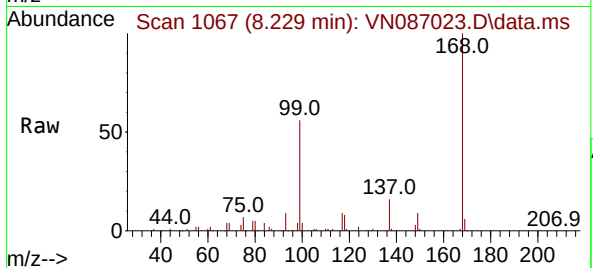
Tgt Ion: 75 Resp: 18329

Ion Ratio Lower Upper

75 100

110 9.0 17.6 52.9#

77 0.0 25.3 37.9#



#38

Carbon Tetrachloride

Concen: 1.036 ug/l

RT: 8.371 min Scan# 1091

Delta R.T. -0.000 min

Lab File: VN087023.D

Acq: 16 Jun 2025 12:22

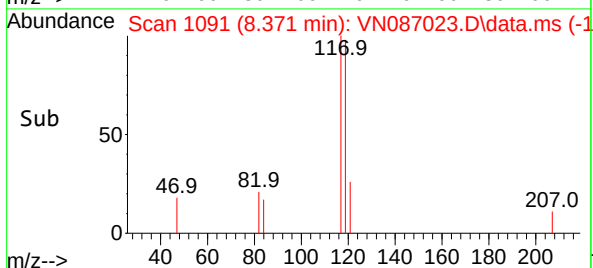
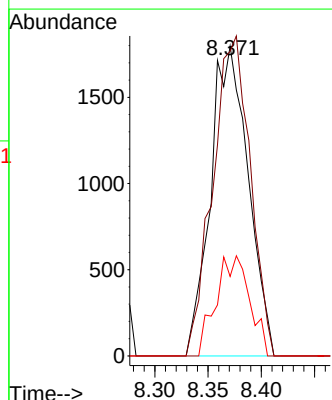
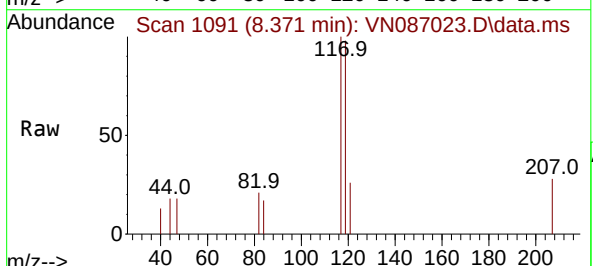
Tgt Ion: 117 Resp: 4417

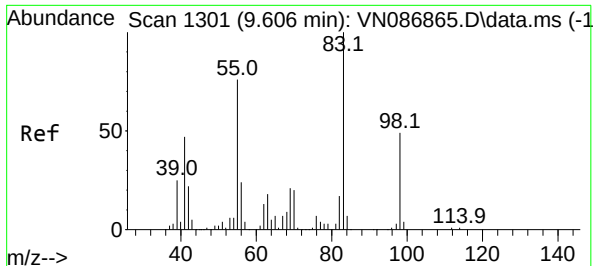
Ion Ratio Lower Upper

117 100

119 98.3 75.0 112.6

121 25.6 24.9 37.3





#39

Methylcyclohexane

Concen: 0.603 ug/l

RT: 9.353 min Scan# 1258

Delta R.T. -0.253 min

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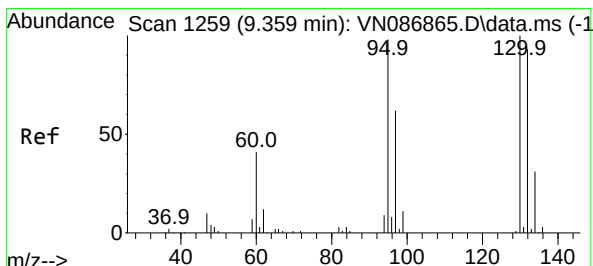
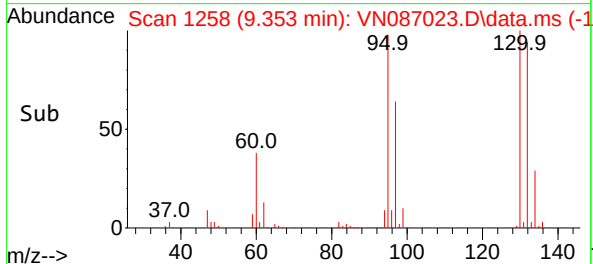
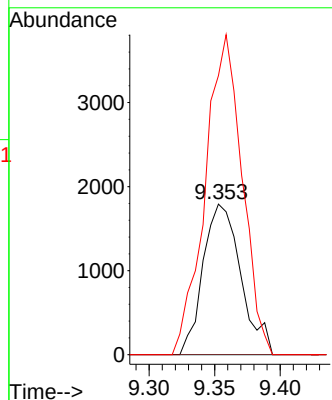
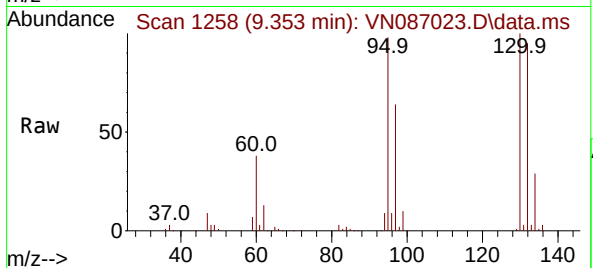
Tgt Ion: 83 Resp: 3589

Ion Ratio Lower Upper

83 100

55 0.0 61.0 91.6#

98 185.4 38.9 58.3#



#44

Trichloroethene

Concen: 94.249 ug/l

RT: 9.359 min Scan# 1259

Delta R.T. -0.000 min

Lab File: VN087023.D

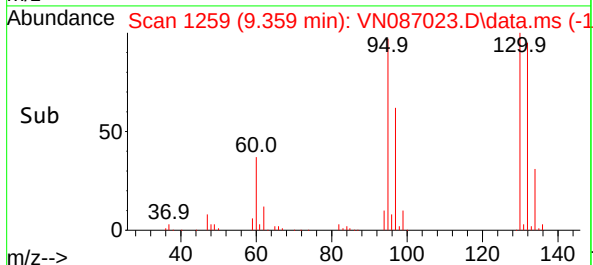
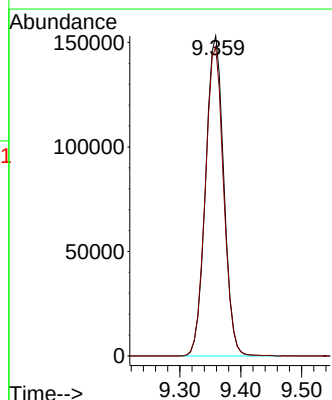
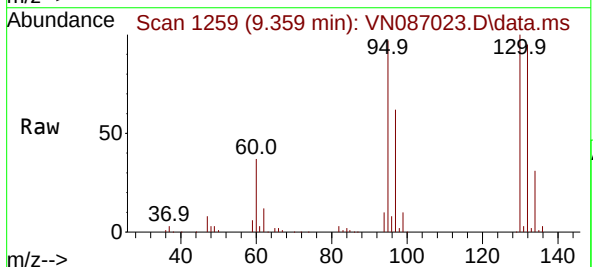
Acq: 16 Jun 2025 12:22

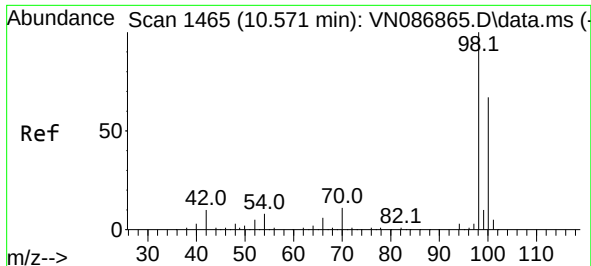
Tgt Ion:130 Resp: 317312

Ion Ratio Lower Upper

130 100

95 96.6 0.0 196.2

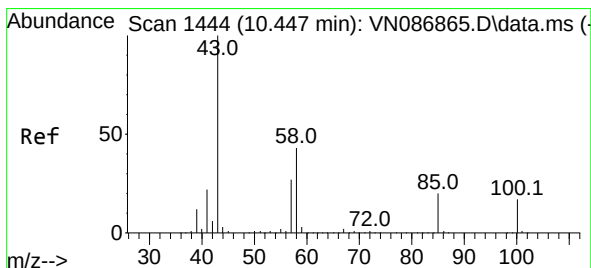
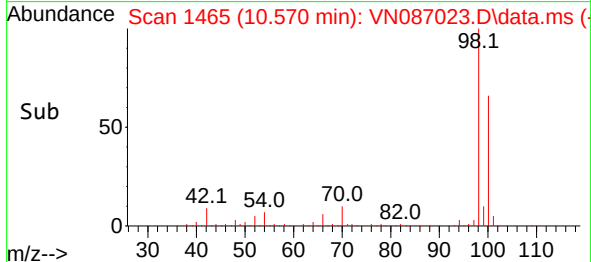
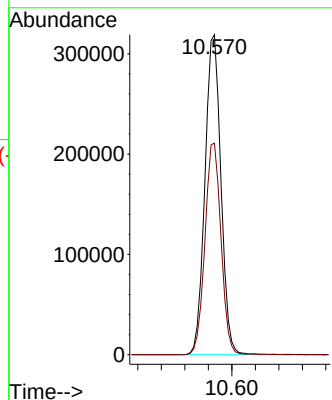
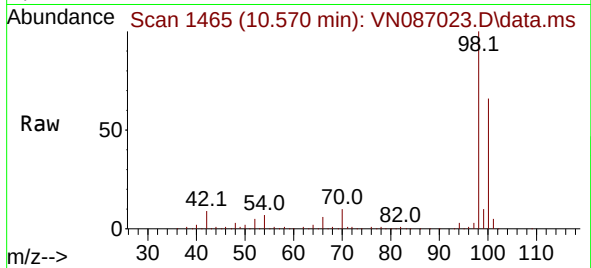




#50
Toluene-d8
Concen: 52.151 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN087023.D
Acq: 16 Jun 2025 12:22

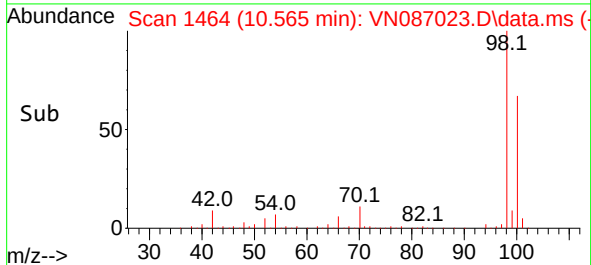
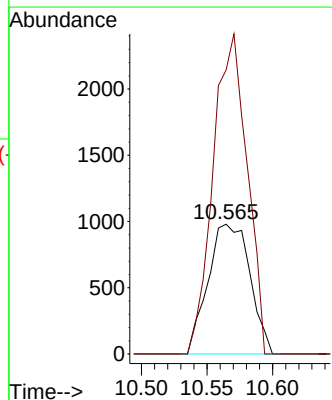
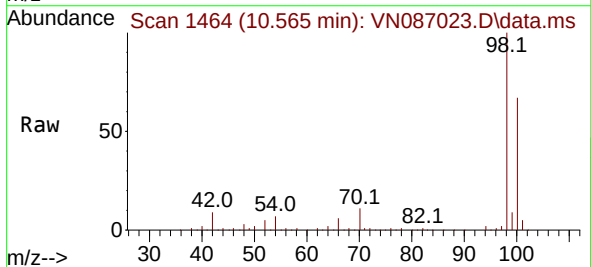
Instrument :
MSVOA_N
ClientSampleId :
RE117D1-20250609

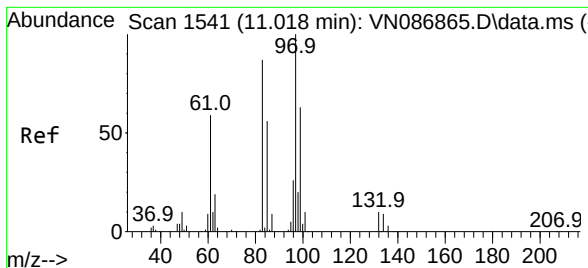
Tgt Ion: 98 Resp: 601581
Ion Ratio Lower Upper
98 100
100 66.4 53.4 80.0



#51
4-Methyl-2-Pentanone
Concen: 0.408 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.117 min
Lab File: VN087023.D
Acq: 16 Jun 2025 12:22

Tgt Ion: 43 Resp: 2178
Ion Ratio Lower Upper
43 100
58 200.2 34.2 51.4#





#55

1,1,2-Trichloroethane

Concen: 0.471 ug/l

RT: 11.018 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN087023.D

Acq: 16 Jun 2025 12:22

Instrument :

MSVOA_N

ClientSampleId :

RE117D1-20250609

Tgt Ion: 97 Resp: 1574

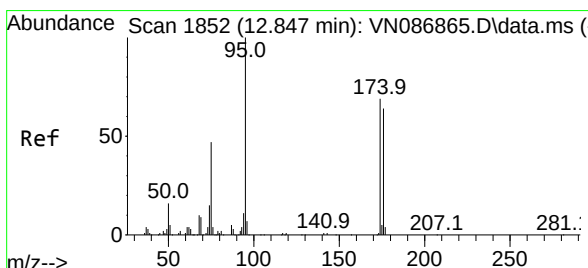
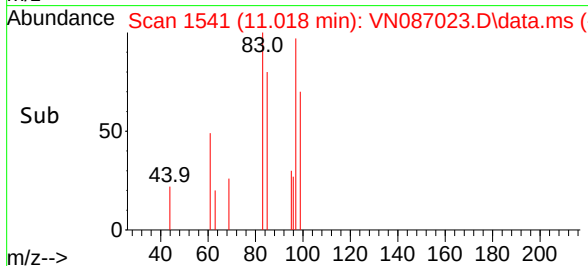
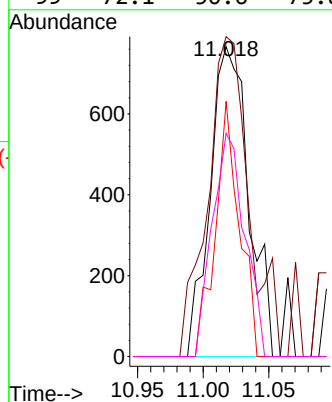
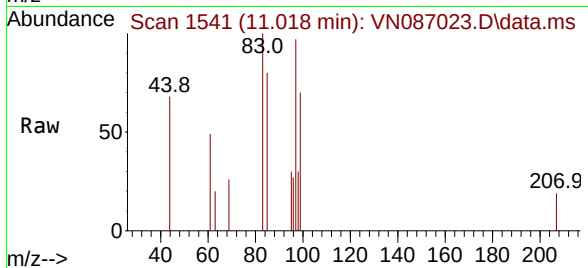
Ion Ratio Lower Upper

97 100

83 103.3 69.7 104.5

85 82.4 45.1 67.7#

99 72.1 50.6 75.8



#62

4-Bromofluorobenzene

Concen: 51.127 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.000 min

Lab File: VN087023.D

Acq: 16 Jun 2025 12:22

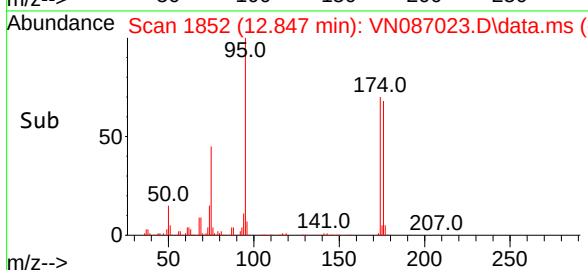
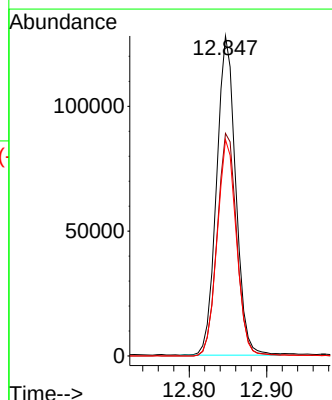
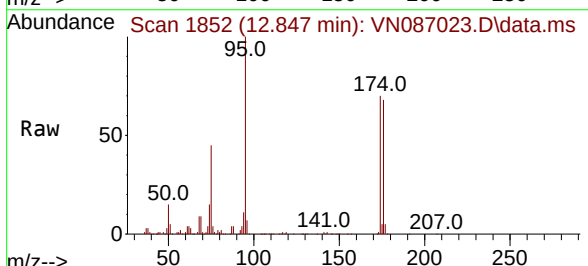
Tgt Ion: 95 Resp: 219116

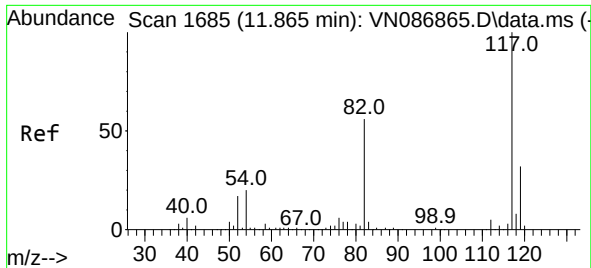
Ion Ratio Lower Upper

95 100

174 71.9 0.0 141.8

176 68.6 0.0 132.6

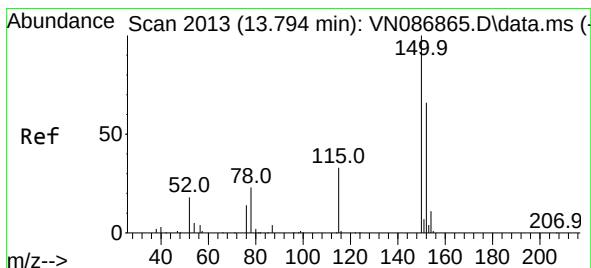
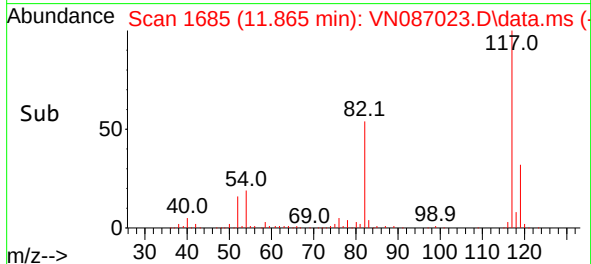
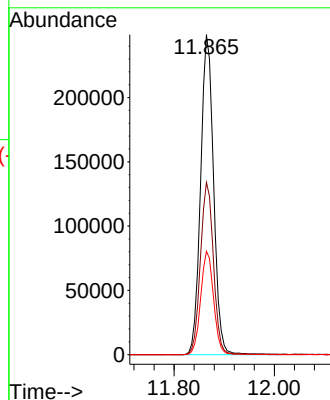
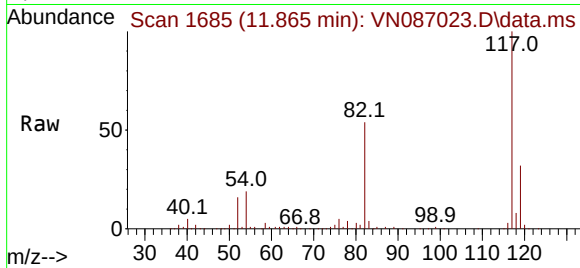




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN087023.D
Acq: 16 Jun 2025 12:22

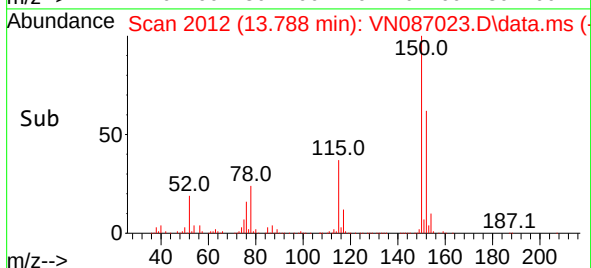
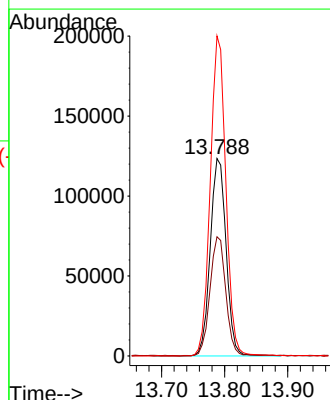
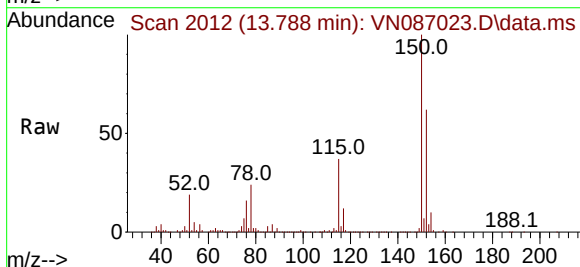
Instrument :
MSVOA_N
ClientSampleId :
RE117D1-20250609

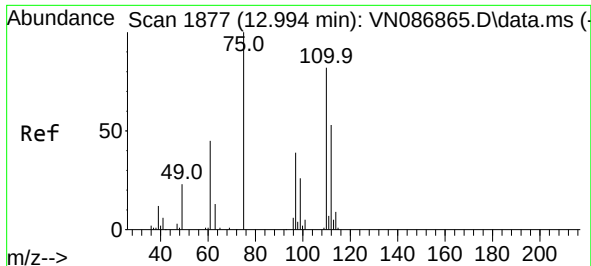
Tgt Ion:117 Resp: 447651
Ion Ratio Lower Upper
117 100
82 53.9 44.6 67.0
119 32.3 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.006 min
Lab File: VN087023.D
Acq: 16 Jun 2025 12:22

Tgt Ion:152 Resp: 215929
Ion Ratio Lower Upper
152 100
115 60.4 30.1 90.5
150 158.7 0.0 345.0

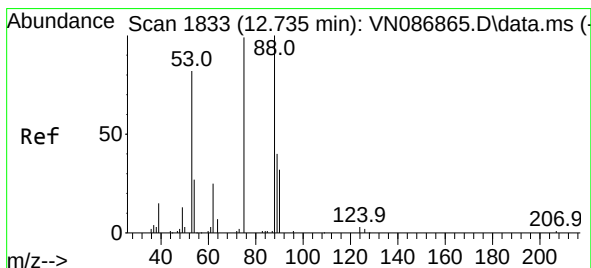
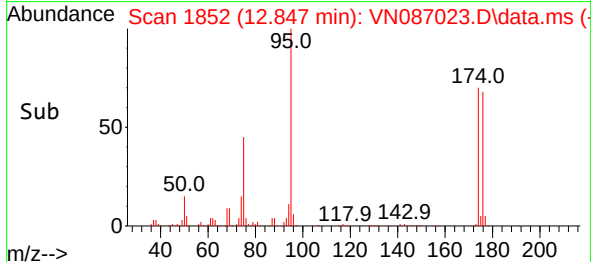
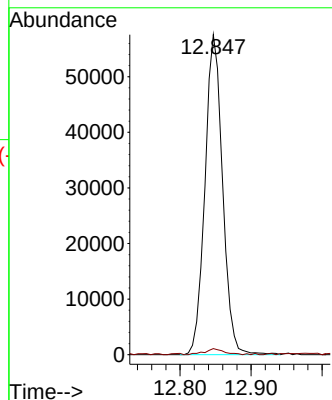
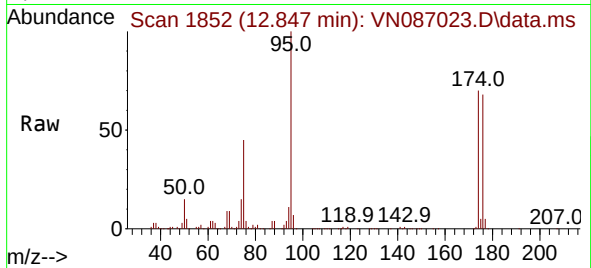




#76
1,2,3-Trichloropropane
Concen: 19.373 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN087023.D
Acq: 16 Jun 2025 12:22

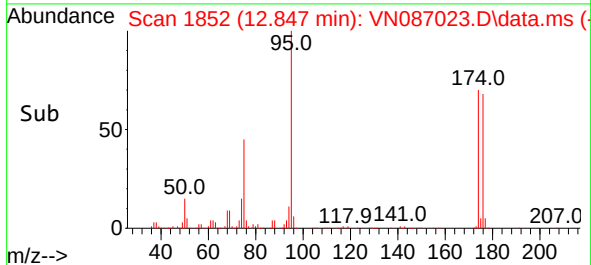
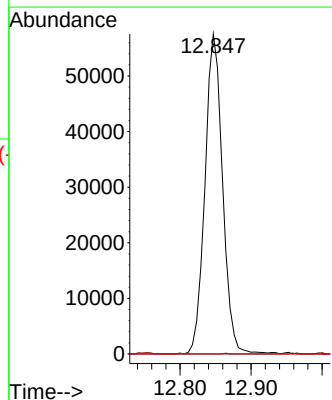
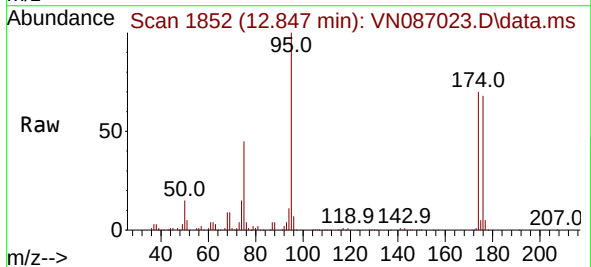
Instrument :
MSVOA_N
ClientSampleId :
RE117D1-20250609

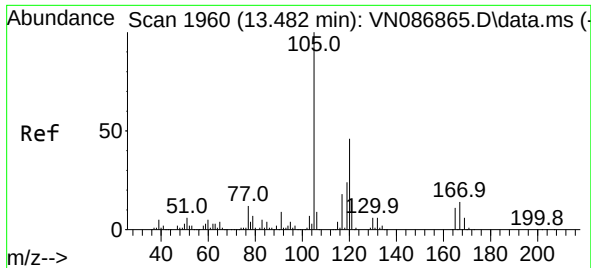
Tgt Ion: 75 Resp: 99434
Ion Ratio Lower Upper
75 100
77 2.1 79.3 237.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 44.595 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.111 min
Lab File: VN087023.D
Acq: 16 Jun 2025 12:22

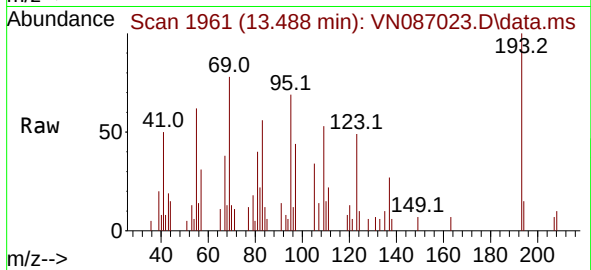
Tgt Ion: 75 Resp: 99434
Ion Ratio Lower Upper
75 100
53 0.1 66.6 99.8#
89 0.0 36.7 55.1#





#84
1,2,4-Trimethylbenzene
Concen: 0.208 ug/l
RT: 13.488 min Scan# 1961
Delta R.T. 0.006 min
Lab File: VN087023.D
Acq: 16 Jun 2025 12:22

Instrument :
MSVOA_N
ClientSampleId :
RE117D1-20250609



Tgt Ion:105 Resp: 2703
Ion Ratio Lower Upper
105 100
120 25.6 23.2 69.6

