

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061725\
 Data File : VN087054.D
 Acq On : 17 Jun 2025 13:18
 Operator : JC\MD
 Sample : Q2299-18DL 5X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TT190D1-20250611DL

Quant Time: Jun 18 01:47:06 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)

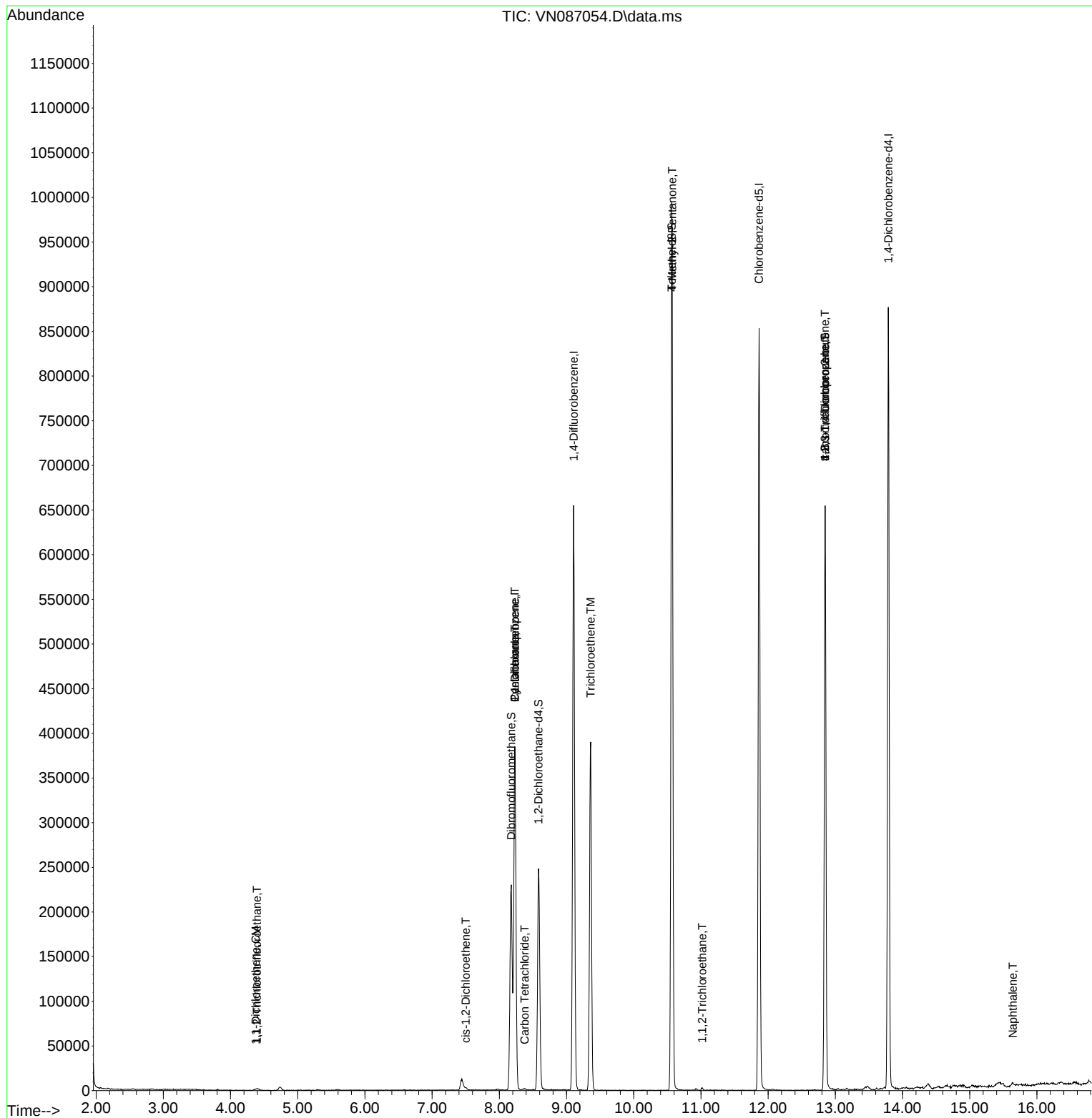
Internal Standards						
1) Pentafluorobenzene	8.230	168	312959	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	607082	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	539732	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	258644	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	202352	48.292	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	96.580%
35) Dibromofluoromethane	8.177	113	178918	49.731	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.460%
50) Toluene-d8	10.565	98	740671	52.005	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	104.000%
62) 4-Bromofluorobenzene	12.847	95	264327	49.953	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	99.900%
Target Compounds						
					Qvalue	
9) 1,1,2-Trichlorotrifluo...	4.395	101	1759	0.516	ug/l #	82
12) 1,1-Dichloroethene	4.377	96	1049	0.301	ug/l #	42
27) cis-1,2-Dichloroethene	7.500	96	1715	0.370	ug/l	84
31) Cyclohexane	8.230	56	5203	0.766	ug/l #	1
36) 1,1-Dichloropropene	8.230	75	22667	4.228	ug/l #	48
38) Carbon Tetrachloride	8.377	117	1160	0.220	ug/l #	60
44) Trichloroethene	9.359	130	155963	37.520	ug/l	96
51) 4-Methyl-2-Pentanone	10.571	43	2330	0.353	ug/l #	1
55) 1,1,2-Trichloroethane	11.018	97	1252	0.304	ug/l #	86
76) 1,2,3-Trichloropropane	12.847	75	120720	19.635	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	120720	45.200	ug/l #	16
95) Naphthalene	15.641	128	4032	0.208	ug/l #	76

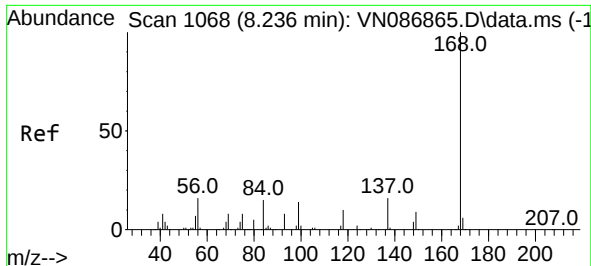
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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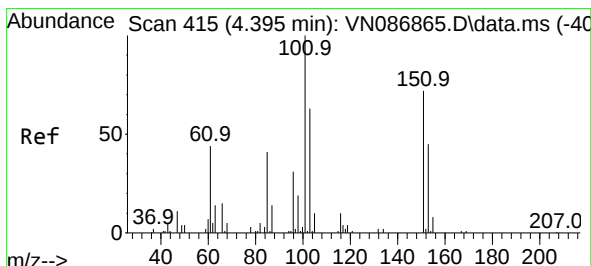
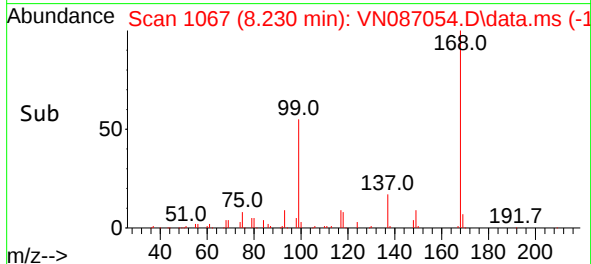
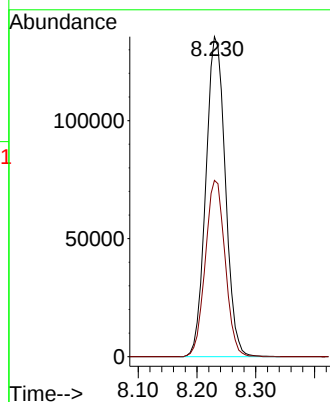
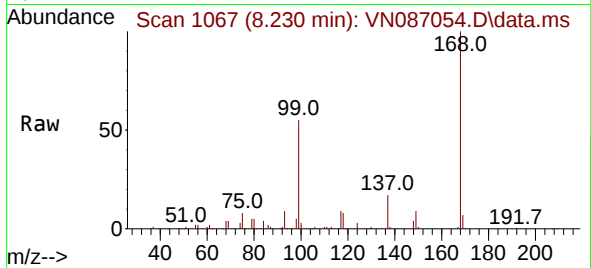




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1068
Delta R.T. -0.006 min
Lab File: VN087054.D
Acq: 17 Jun 2025 13:18

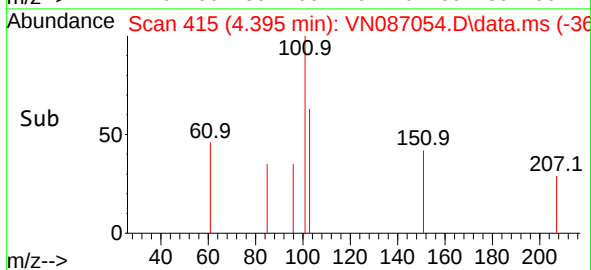
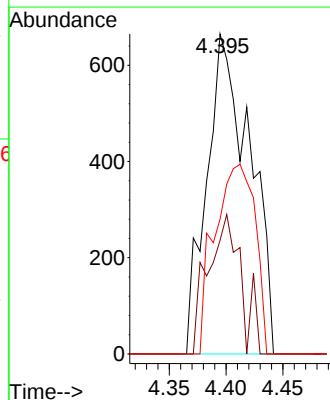
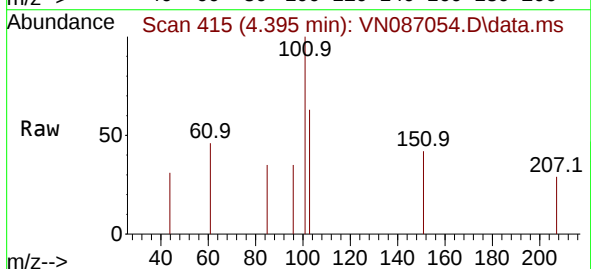
Instrument :
MSVOA_N
ClientSampleId :
TT190D1-20250611DL

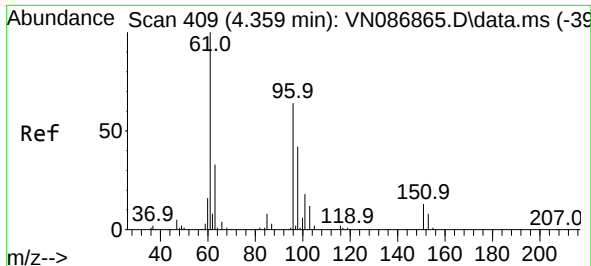
Tgt Ion:168 Resp: 312959
Ion Ratio Lower Upper
168 100
99 55.1 49.1 73.7



#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.516 ug/l
RT: 4.395 min Scan# 415
Delta R.T. 0.000 min
Lab File: VN087054.D
Acq: 17 Jun 2025 13:18

Tgt Ion:101 Resp: 1759
Ion Ratio Lower Upper
101 100
85 33.5 33.8 50.8#
151 55.6 58.7 88.1#

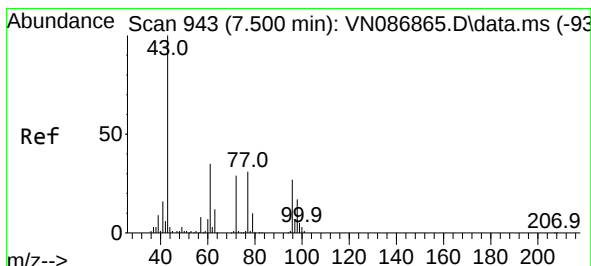
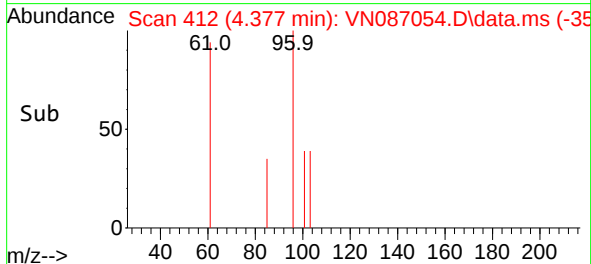
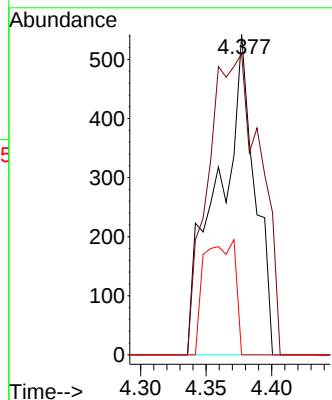
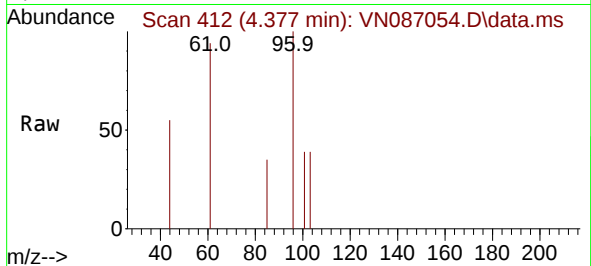




#12
 1,1-Dichloroethene
 Concen: 0.301 ug/l
 RT: 4.377 min Scan# 412
 Delta R.T. 0.018 min
 Lab File: VN087054.D
 Acq: 17 Jun 2025 13:18

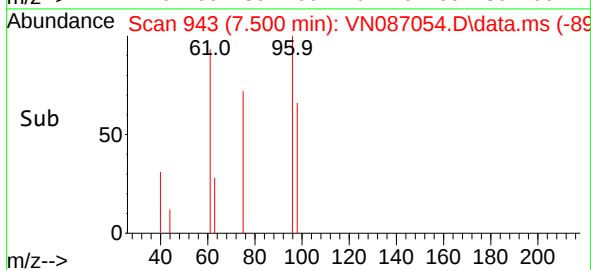
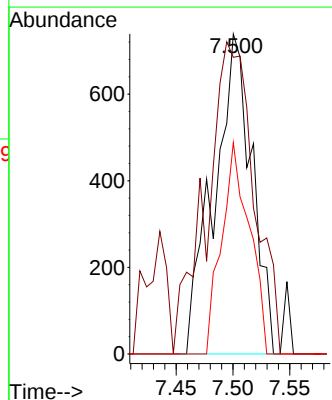
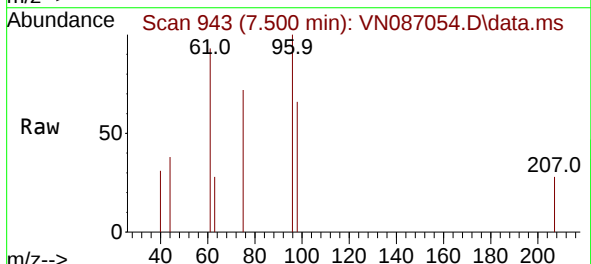
Instrument :
 MSVOA_N
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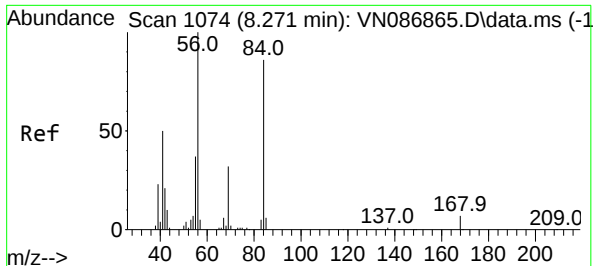
Tgt Ion: 96 Resp: 1049
 Ion Ratio Lower Upper
 96 100
 61 94.1 125.8 188.6#
 98 0.0 52.5 78.7#



#27
 cis-1,2-Dichloroethene
 Concen: 0.370 ug/l
 RT: 7.500 min Scan# 943
 Delta R.T. 0.000 min
 Lab File: VN087054.D
 Acq: 17 Jun 2025 13:18

Tgt Ion: 96 Resp: 1715
 Ion Ratio Lower Upper
 96 100
 61 122.2 0.0 278.0
 98 48.6 0.0 128.2

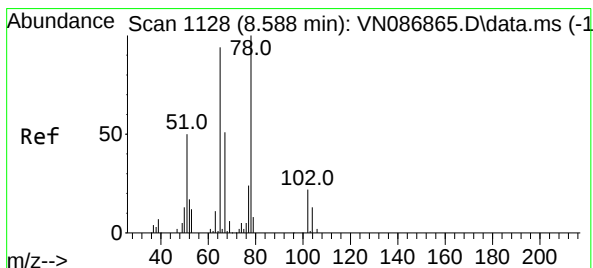
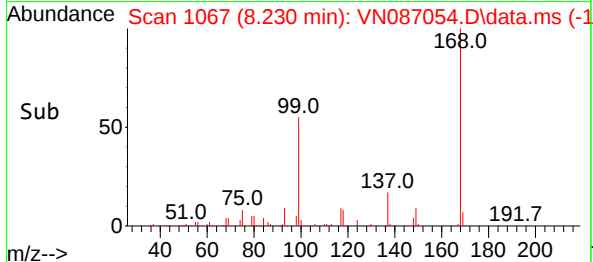
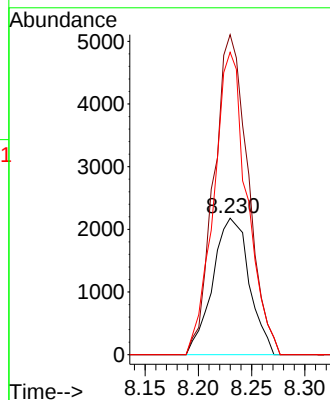
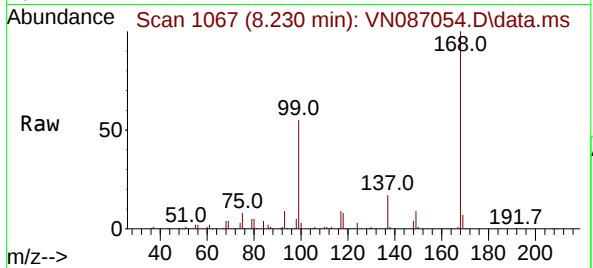




#31
Cyclohexane
Concen: 0.766 ug/l
RT: 8.230 min Scan# 1107
Delta R.T. -0.041 min
Lab File: VN087054.D
Acq: 17 Jun 2025 13:18

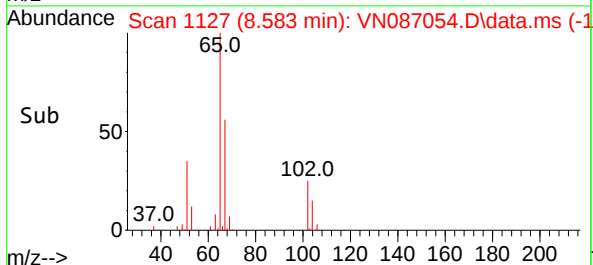
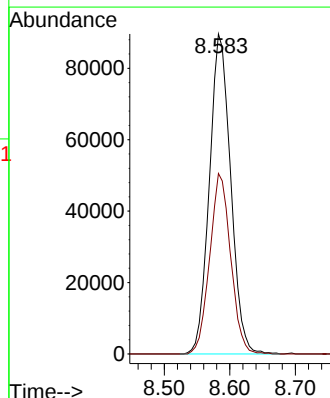
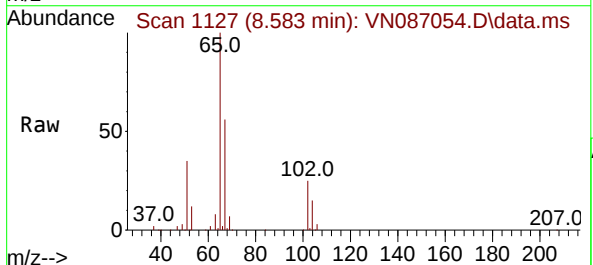
Instrument :
MSVOA_N
ClientSampleId :
TT190D1-20250611DL

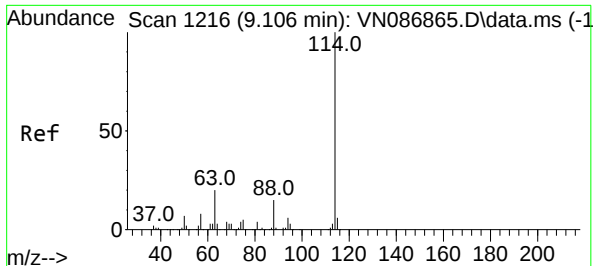
Tgt Ion: 56 Resp: 5203
Ion Ratio Lower Upper
56 100
69 234.4 25.4 38.0#
84 221.6 68.8 103.2#



#33
1,2-Dichloroethane-d4
Concen: 48.292 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. -0.006 min
Lab File: VN087054.D
Acq: 17 Jun 2025 13:18

Tgt Ion: 65 Resp: 202352
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# 1

Delta R.T. 0.000 min

Lab File: VN087054.D

Acq: 17 Jun 2025 13:18

Instrument :

MSVOA_N

ClientSampleId :

TT190D1-20250611DL

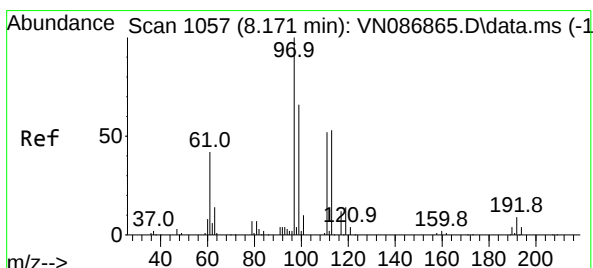
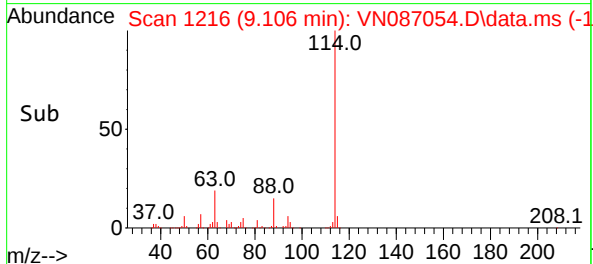
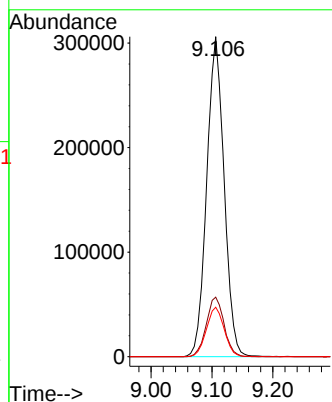
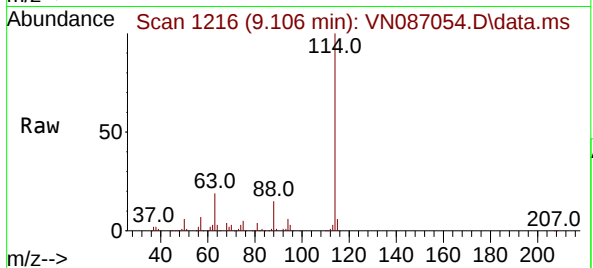
Tgt Ion:114 Resp: 607082

Ion Ratio Lower Upper

114 100

63 18.6 0.0 39.6

88 15.5 0.0 30.2



#35

Dibromofluoromethane

Concen: 49.731 ug/l

RT: 8.177 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VN087054.D

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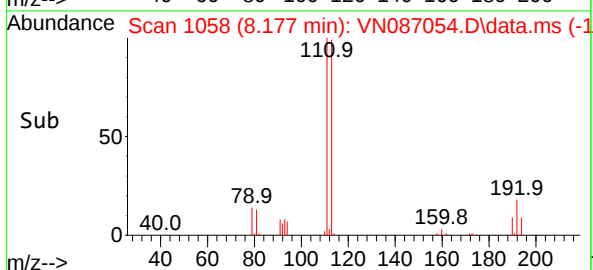
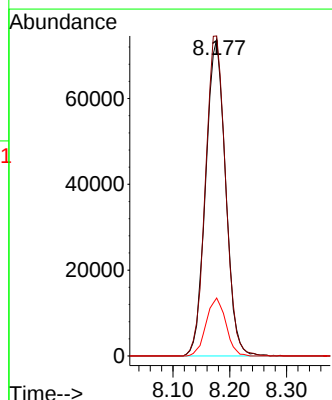
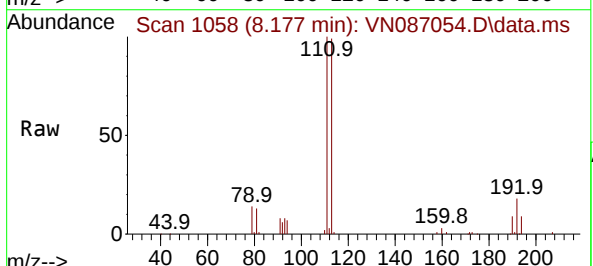
Tgt Ion:113 Resp: 178918

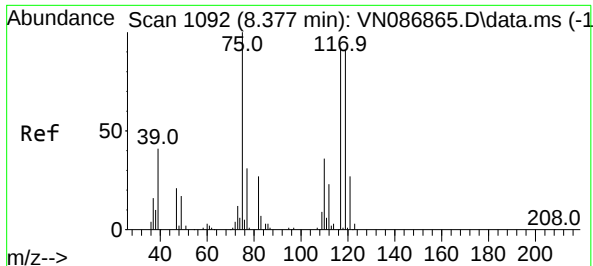
Ion Ratio Lower Upper

113 100

111 101.8 84.2 126.2

192 18.1 14.2 21.4

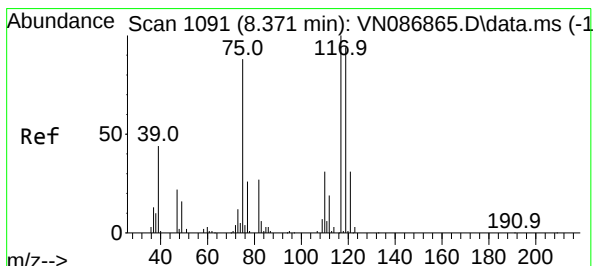
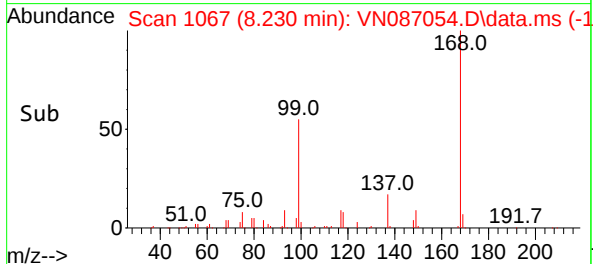
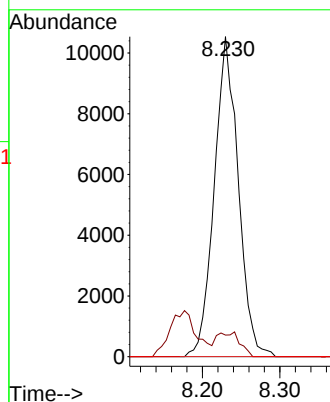
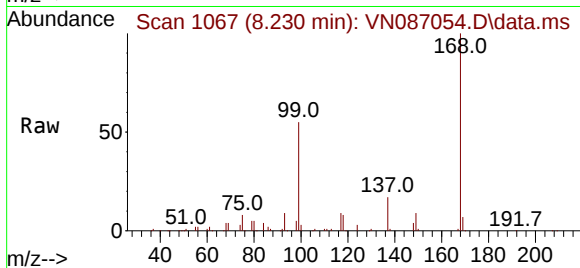




#36
1,1-Dichloropropene
Concen: 4.228 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.147 min
Lab File: VN087054.D
Acq: 17 Jun 2025 13:18

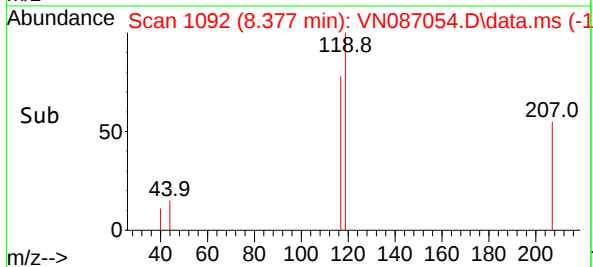
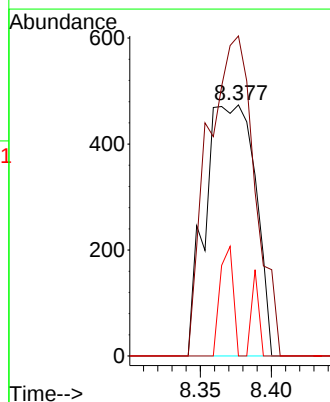
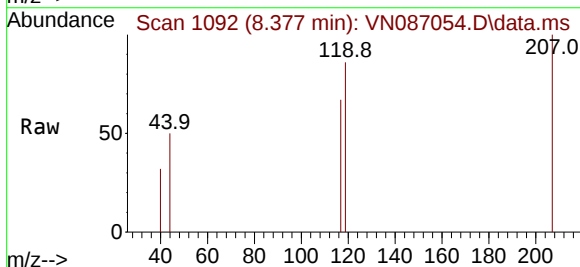
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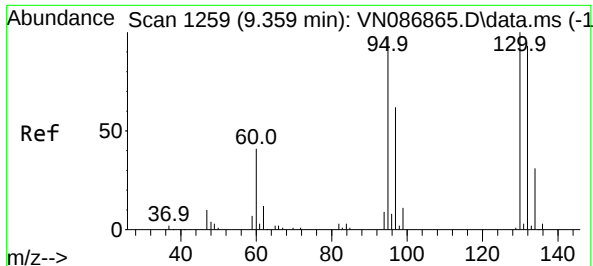
Tgt Ion: 75 Resp: 22667
Ion Ratio Lower Upper
75 100
110 7.3 17.6 52.9#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 0.220 ug/l
RT: 8.377 min Scan# 1092
Delta R.T. 0.006 min
Lab File: VN087054.D
Acq: 17 Jun 2025 13:18

Tgt Ion: 117 Resp: 1160
Ion Ratio Lower Upper
117 100
119 127.4 75.0 112.6#
121 0.0 24.9 37.3#

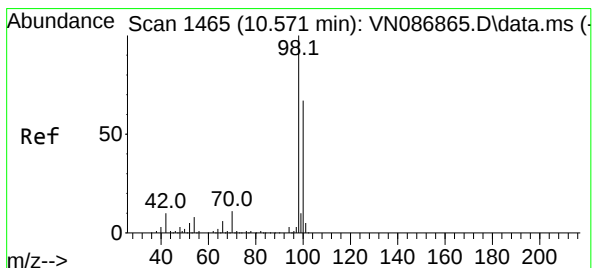
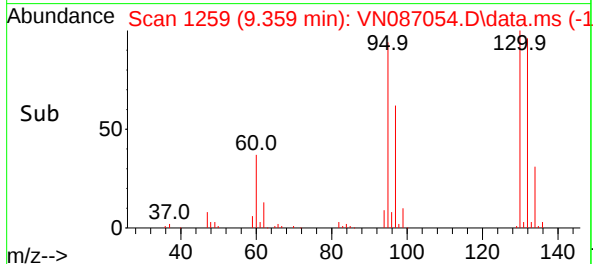
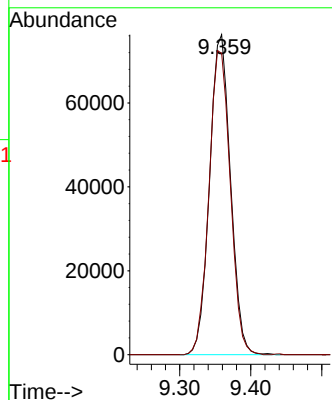
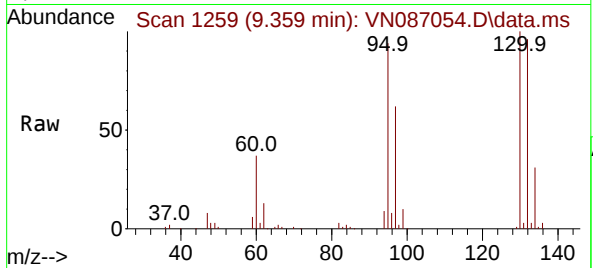




#44
Trichloroethene
Concen: 37.520 ug/l
RT: 9.359 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN087054.D
Acq: 17 Jun 2025 13:18

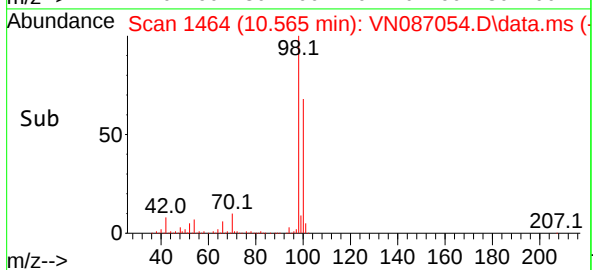
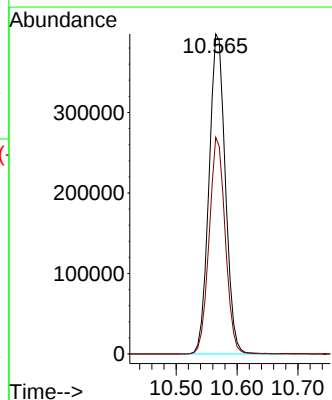
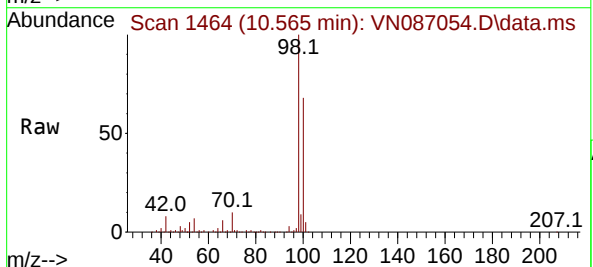
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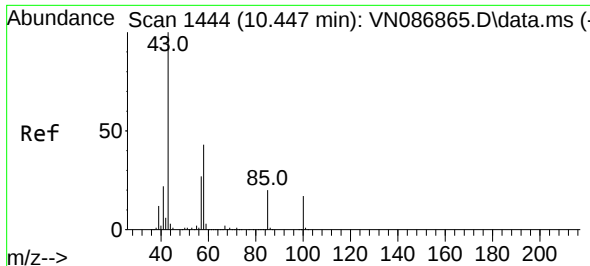
Tgt Ion:130 Resp: 155963
Ion Ratio Lower Upper
130 100
95 94.2 0.0 196.2



#50
Toluene-d8
Concen: 52.005 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VN087054.D
Acq: 17 Jun 2025 13:18

Tgt Ion: 98 Resp: 740671
Ion Ratio Lower Upper
98 100
100 66.8 53.4 80.0

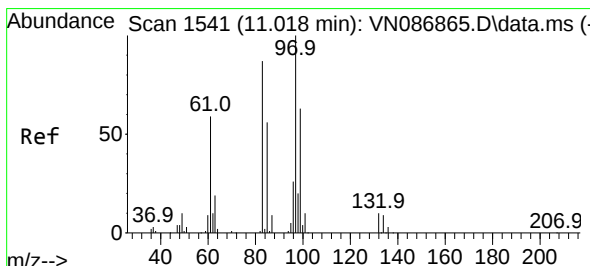
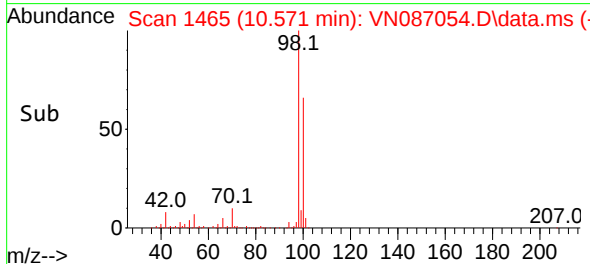
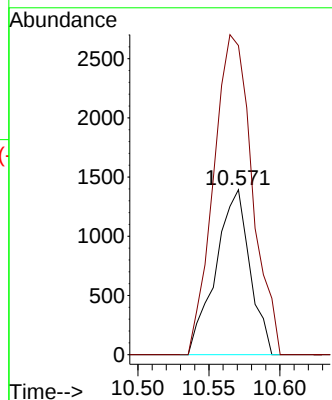
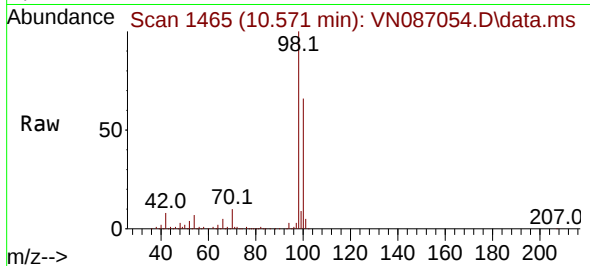




#51
4-Methyl-2-Pentanone
Concen: 0.353 ug/l
RT: 10.571 min Scan# 1444
Delta R.T. 0.124 min
Lab File: VN087054.D
Acq: 17 Jun 2025 13:18

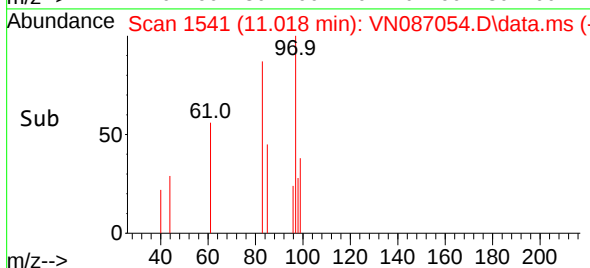
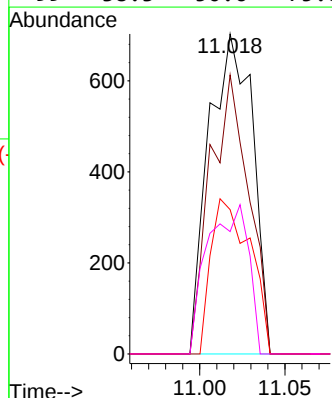
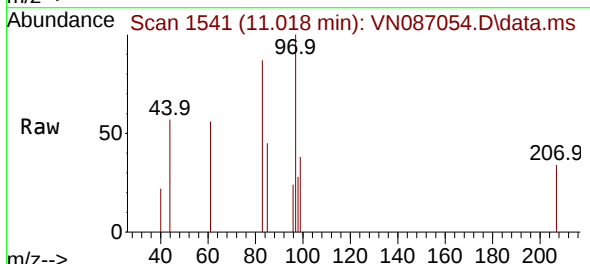
Instrument :
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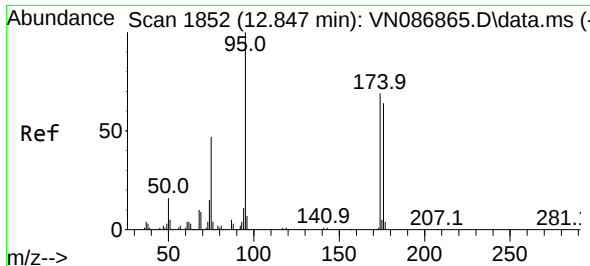
Tgt Ion: 43 Resp: 2330
Ion Ratio Lower Upper
43 100
58 219.7 34.2 51.4#



#55
1,1,2-Trichloroethane
Concen: 0.304 ug/l
RT: 11.018 min Scan# 1541
Delta R.T. 0.000 min
Lab File: VN087054.D
Acq: 17 Jun 2025 13:18

Tgt Ion: 97 Resp: 1252
Ion Ratio Lower Upper
97 100
83 87.2 69.7 104.5
85 45.1 45.1 67.7#
99 38.3 50.6 75.8#

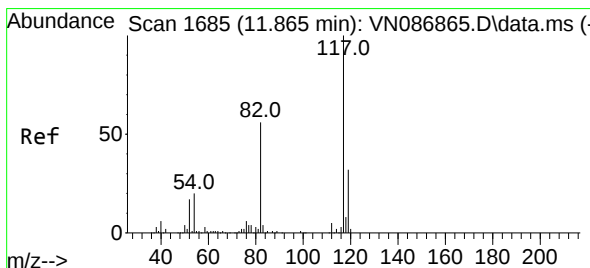
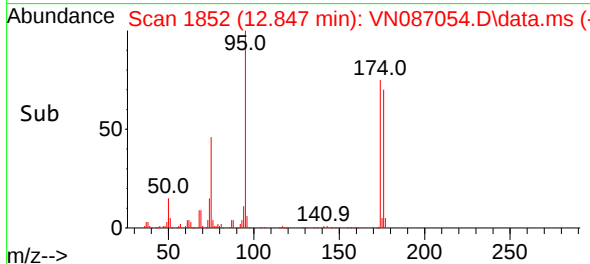
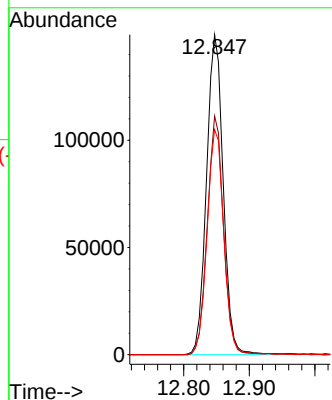
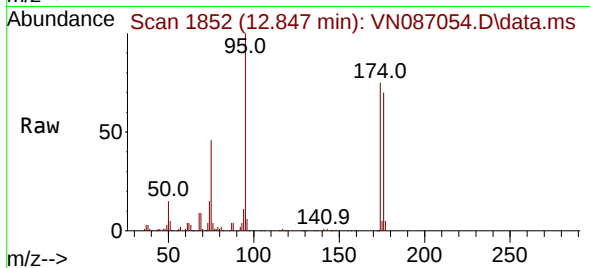




#62
4-Bromofluorobenzene
Concen: 49.953 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN087054.D
Acq: 17 Jun 2025 13:18

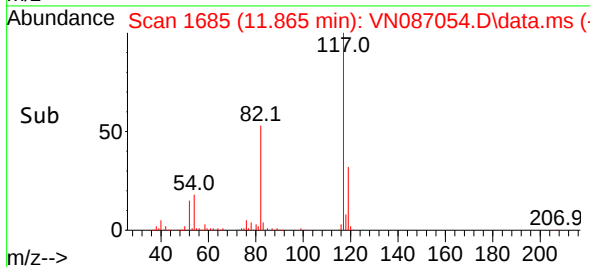
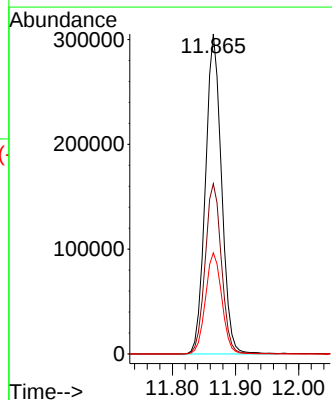
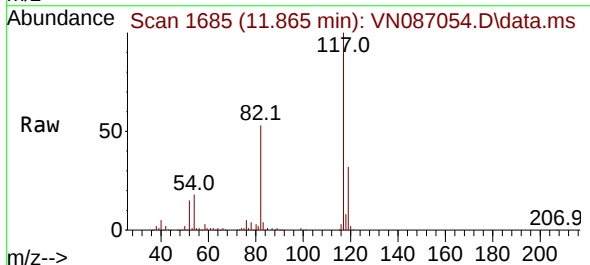
Instrument :
MSVOA_N
ClientSampleId :
TT190D1-20250611DL

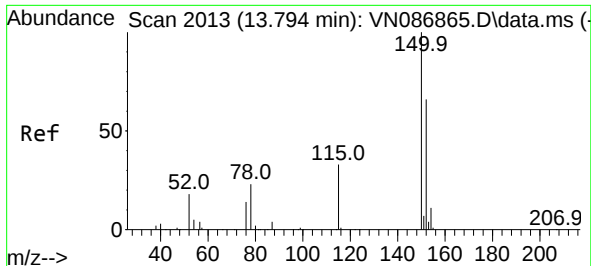
Tgt Ion: 95 Resp: 264327
Ion Ratio Lower Upper
95 100
174 73.1 0.0 141.8
176 70.2 0.0 132.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN087054.D
Acq: 17 Jun 2025 13:18

Tgt Ion: 117 Resp: 539732
Ion Ratio Lower Upper
117 100
82 53.2 44.6 67.0
119 31.6 25.5 38.3

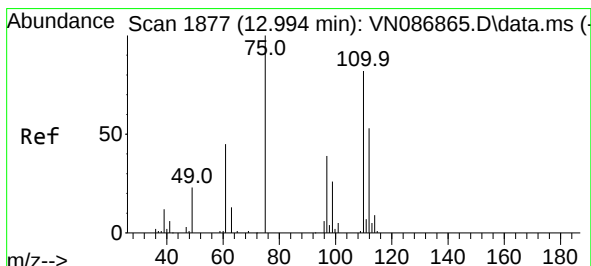
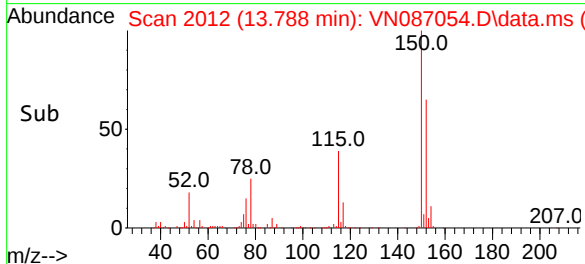
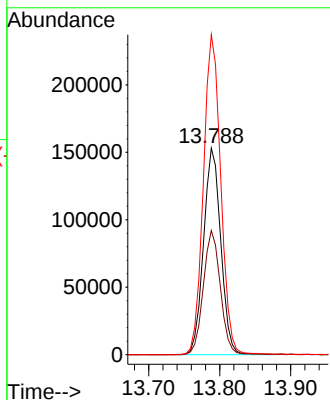
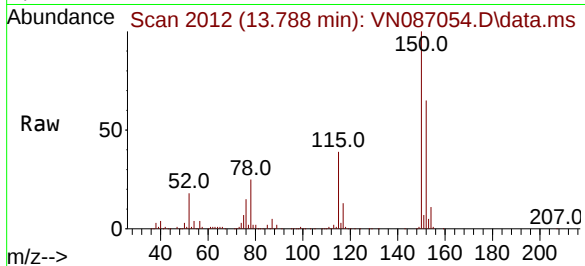




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 20
 Delta R.T. -0.006 min
 Lab File: VN087054.D
 Acq: 17 Jun 2025 13:18

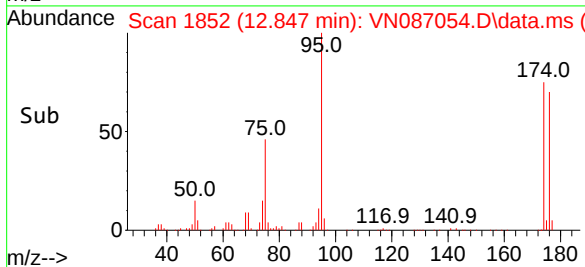
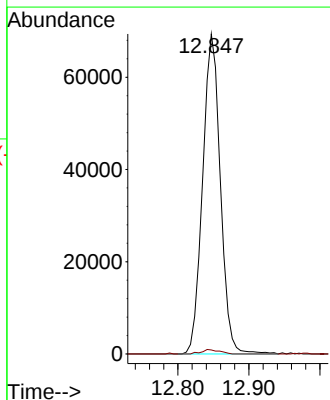
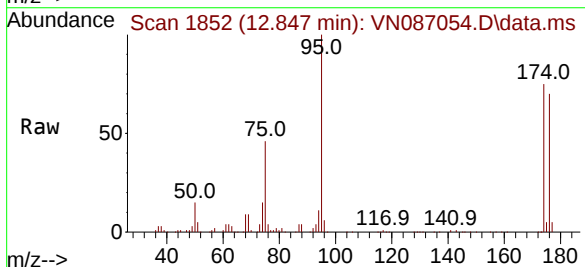
Instrument :
 MSVOA_N
 ClientSampleId :
 TT190D1-20250611DL

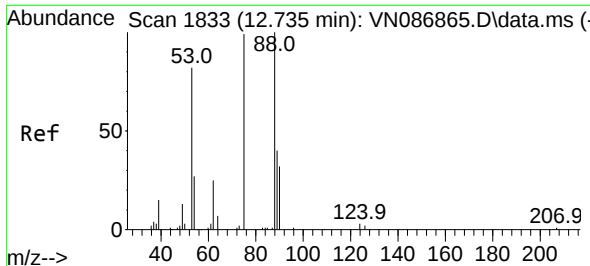
Tgt Ion:152 Resp: 258644
 Ion Ratio Lower Upper
 152 100
 115 59.6 30.1 90.5
 150 156.4 0.0 345.0



#76
 1,2,3-Trichloropropane
 Concen: 19.635 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.147 min
 Lab File: VN087054.D
 Acq: 17 Jun 2025 13:18

Tgt Ion: 75 Resp: 120720
 Ion Ratio Lower Upper
 75 100
 77 1.4 79.3 237.9#

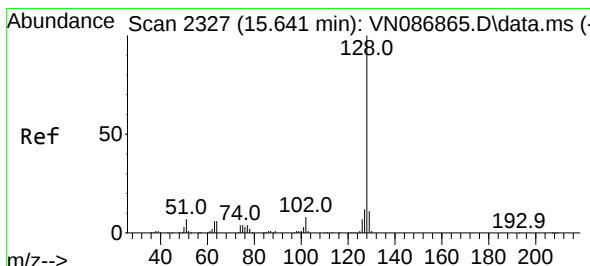
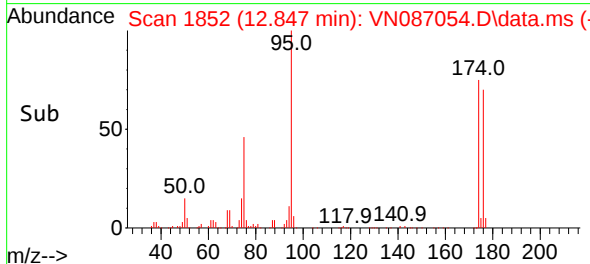
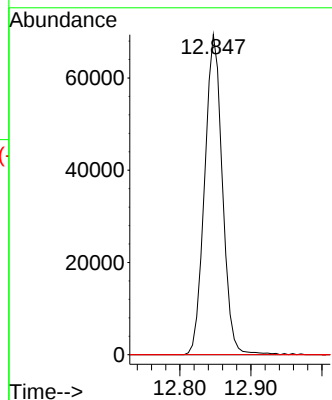
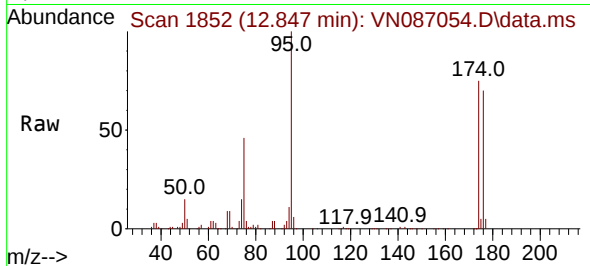




#81
trans-1,4-Dichloro-2-butene
Concen: 45.200 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN087054.D
Acq: 17 Jun 2025 13:18

Instrument :
MSVOA_N
ClientSampleId :
TT190D1-20250611DL

Tgt Ion: 75 Resp: 120720
Ion Ratio Lower Upper
75 100
53 0.0 66.6 99.8#
89 0.0 36.7 55.1#



#95
Naphthalene
Concen: 0.208 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. 0.000 min
Lab File: VN087054.D
Acq: 17 Jun 2025 13:18

Tgt Ion:128 Resp: 4032
Ion Ratio Lower Upper
128 100
127 8.2 10.2 15.2#
129 25.9 8.8 13.2#

