

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061625\
 Data File : VN087024.D
 Acq On : 16 Jun 2025 12:43
 Operator : JC\MD
 Sample : Q2299-06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TT191D2-20250609

Quant Time: Jun 17 07:21:37 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)

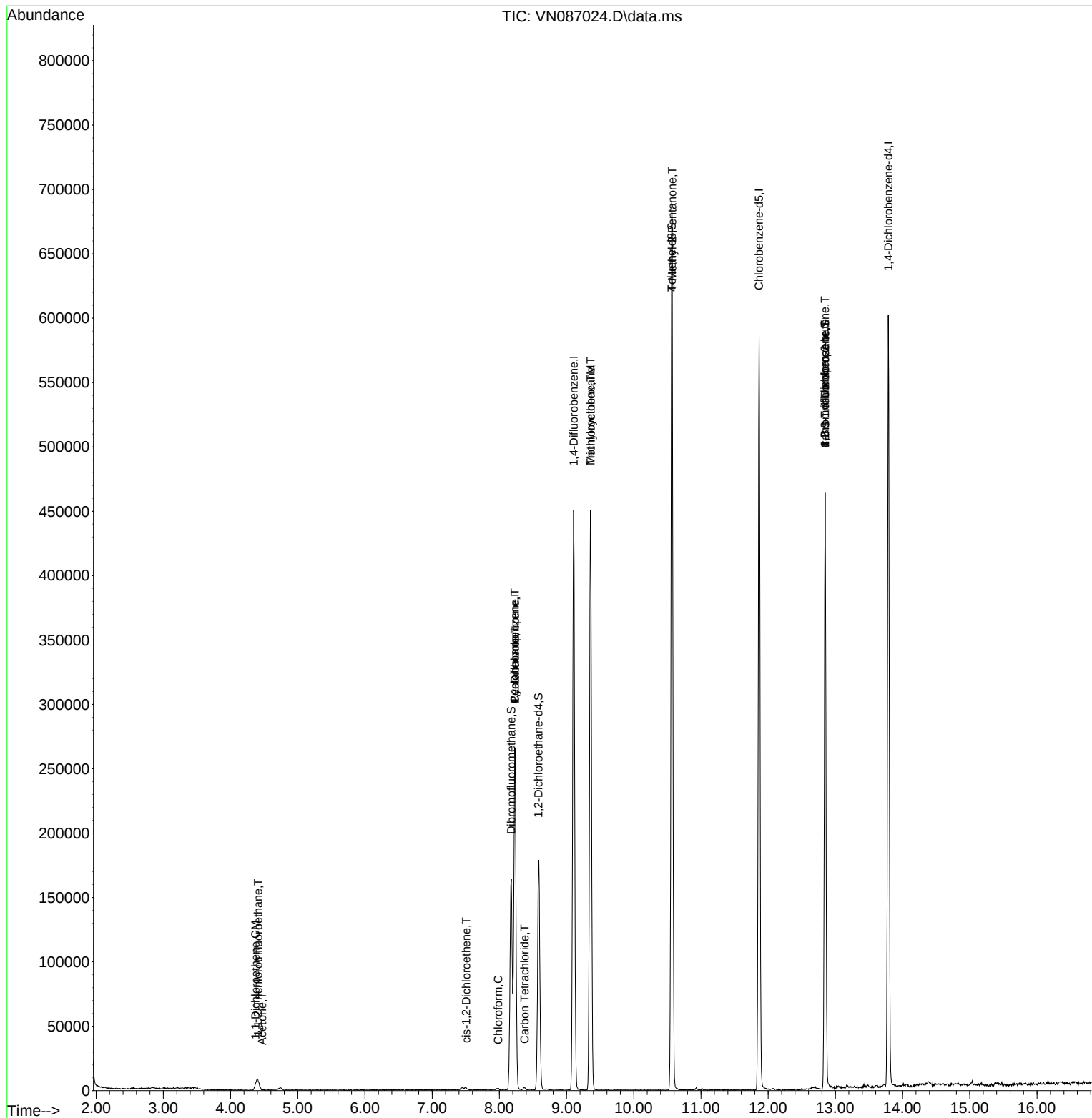
Internal Standards						
1) Pentafluorobenzene	8.230	168	210130	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	419506	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	373250	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	177105	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	149231	53.043	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 106.080%	
35) Dibromofluoromethane	8.177	113	127825	51.416	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.840%	
50) Toluene-d8	10.565	98	513664	52.192	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 104.380%	
62) 4-Bromofluorobenzene	12.847	95	184236	50.386	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 100.780%	
Target Compounds						
					Qvalue	
9) 1,1,2-Trichlorotrifluo...	4.412	101	7016	3.063	ug/l	96
12) 1,1-Dichloroethene	4.371	96	1707	0.730	ug/l #	94
16) Acetone	4.471	43	1362	0.913	ug/l #	40
27) cis-1,2-Dichloroethene	7.506	96	1276	0.410	ug/l	80
30) Chloroform	7.983	83	1216	0.259	ug/l	84
31) Cyclohexane	8.230	56	3620	0.793	ug/l #	1
36) 1,1-Dichloropropene	8.230	75	15910	4.295	ug/l #	48
38) Carbon Tetrachloride	8.377	117	1227	0.337	ug/l	91
39) Methylcyclohexane	9.359	83	2149	0.423	ug/l #	1
44) Trichloroethene	9.359	130	183196	63.777	ug/l	99
51) 4-Methyl-2-Pentanone	10.571	43	1910	0.419	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	83639	19.867	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	83639	45.734	ug/l #	16

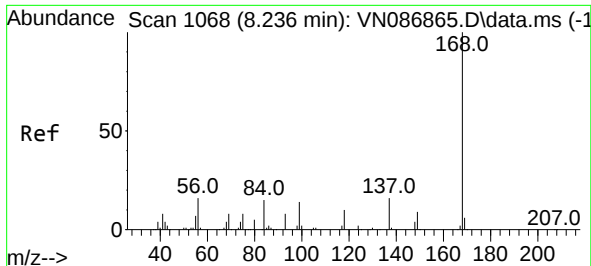
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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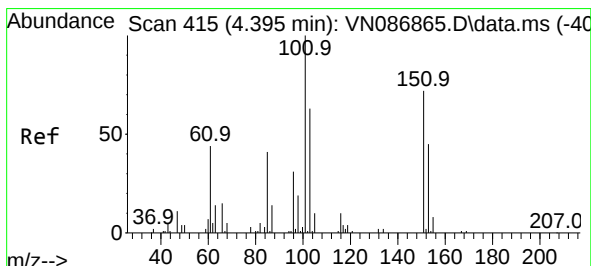
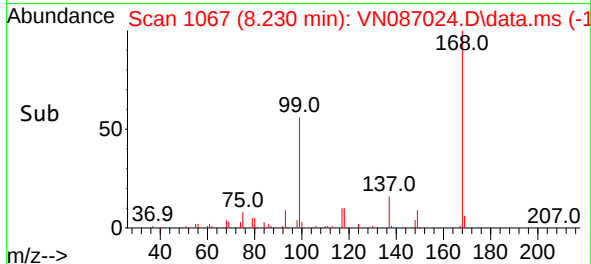
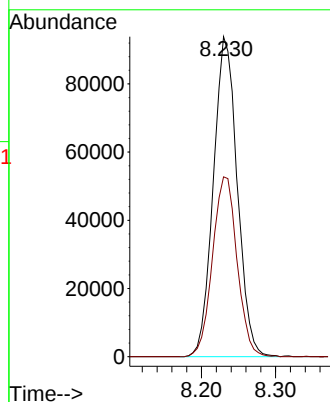
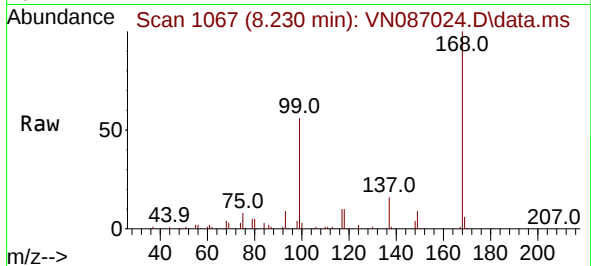




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1068
Delta R.T. -0.006 min
Lab File: VN087024.D
Acq: 16 Jun 2025 12:43

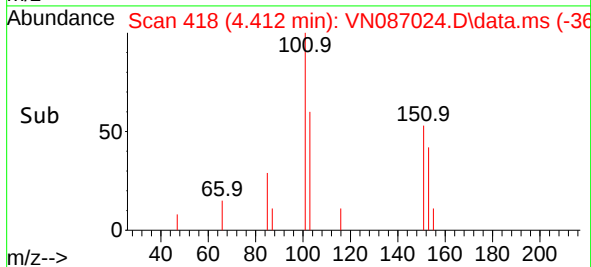
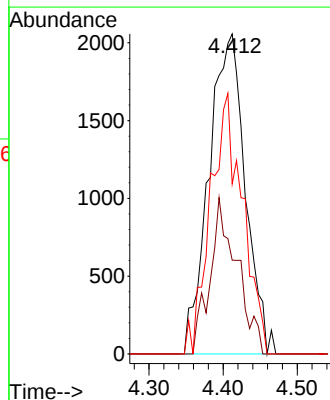
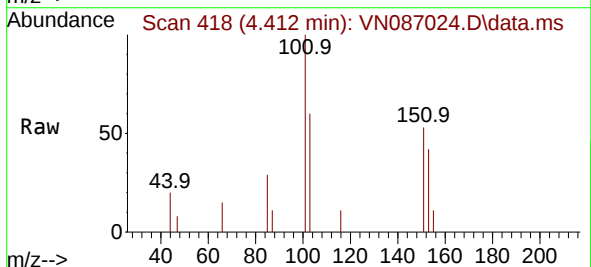
Instrument :
MSVOA_N
ClientSampleId :
TT191D2-20250609

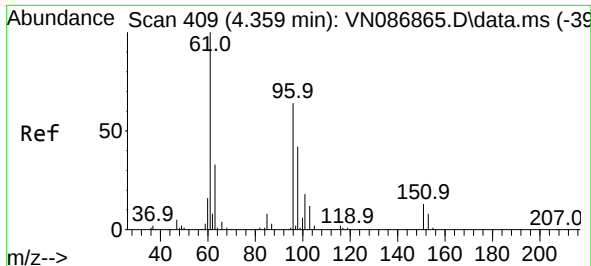
Tgt Ion:168 Resp: 210130
Ion Ratio Lower Upper
168 100
99 56.2 49.1 73.7



#9
1,1,2-Trichlorotrifluoroethane
Concen: 3.063 ug/l
RT: 4.412 min Scan# 418
Delta R.T. 0.018 min
Lab File: VN087024.D
Acq: 16 Jun 2025 12:43

Tgt Ion:101 Resp: 7016
Ion Ratio Lower Upper
101 100
85 36.4 33.8 50.8
151 72.1 58.7 88.1



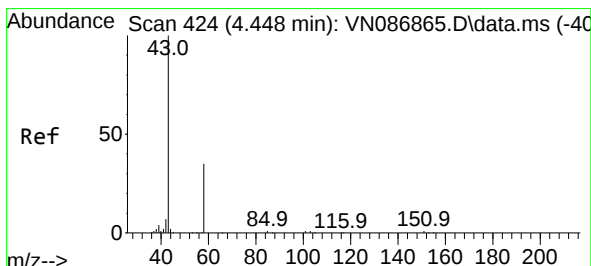
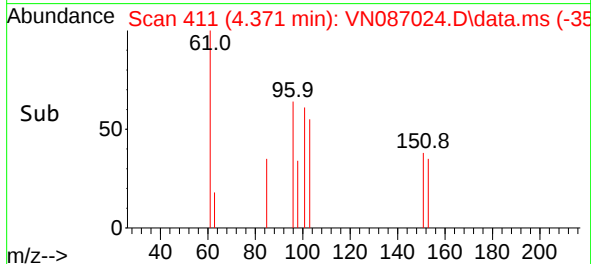
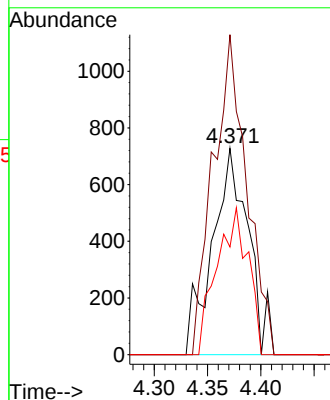
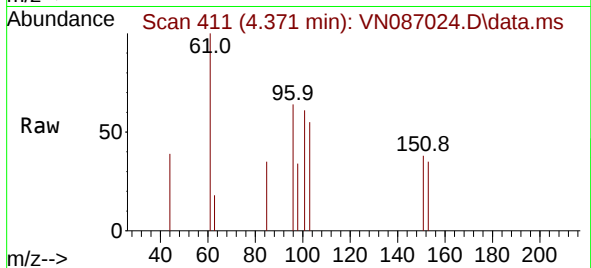


#12
 1,1-Dichloroethene
 Concen: 0.730 ug/l
 RT: 4.371 min Scan# 411
 Delta R.T. 0.012 min
 Lab File: VN087024.D
 Acq: 16 Jun 2025 12:43

Instrument :
 MSVOA_N
 ClientSampleId :
 TT191D2-20250609

Tgt Ion: 96 Resp: 1707

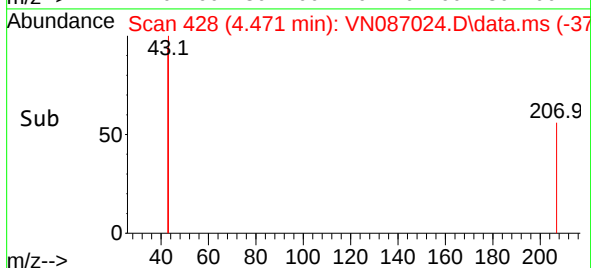
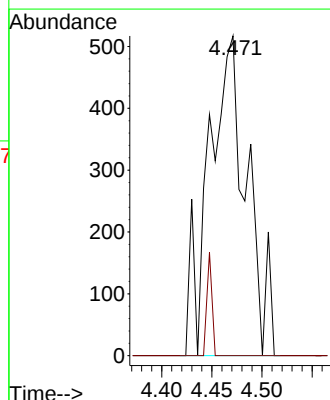
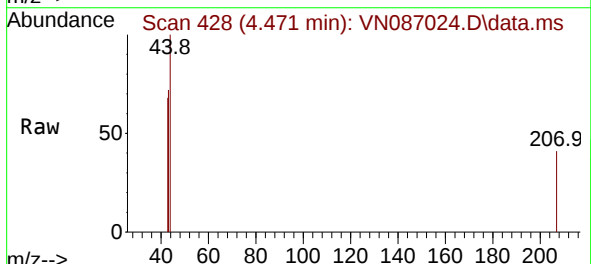
Ion	Ratio	Lower	Upper
96	100		
61	155.1	125.8	188.6
98	52.2	52.5	78.7

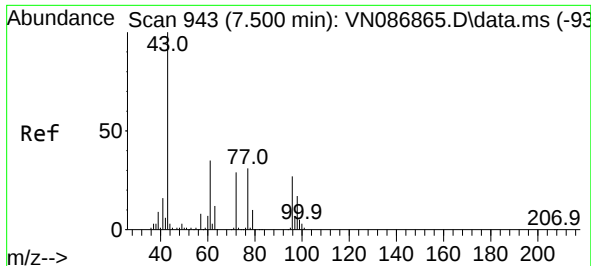


#16
 Acetone
 Concen: 0.913 ug/l
 RT: 4.471 min Scan# 428
 Delta R.T. 0.023 min
 Lab File: VN087024.D
 Acq: 16 Jun 2025 12:43

Tgt Ion: 43 Resp: 1362

Ion	Ratio	Lower	Upper
43	100		
58	0.0	28.0	42.0





#27

cis-1,2-Dichloroethene

Concen: 0.410 ug/l

RT: 7.506 min Scan# 94

Delta R.T. 0.006 min

Lab File: VN087024.D

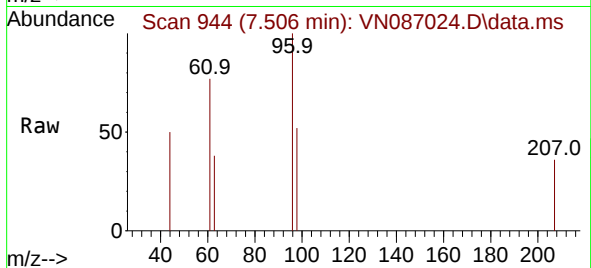
Acq: 16 Jun 2025 12:43

Instrument :

MSVOA_N

ClientSampleId :

TT191D2-20250609



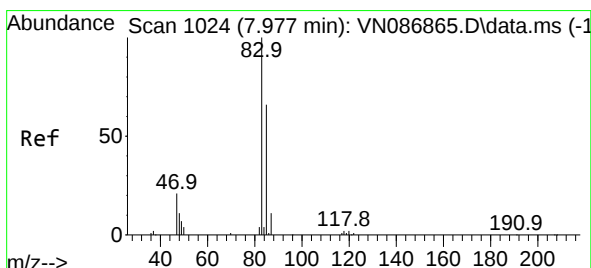
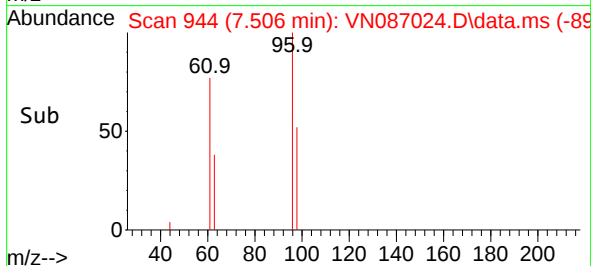
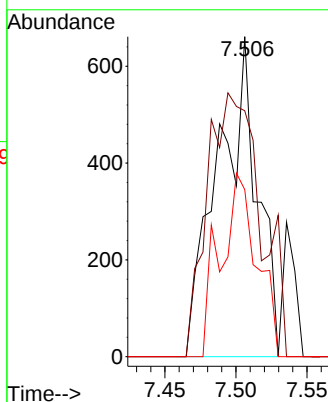
Tgt Ion: 96 Resp: 1276

Ion Ratio Lower Upper

96 100

61 111.6 0.0 278.0

98 53.1 0.0 128.2



#30

Chloroform

Concen: 0.259 ug/l

RT: 7.983 min Scan# 1025

Delta R.T. 0.006 min

Lab File: VN087024.D

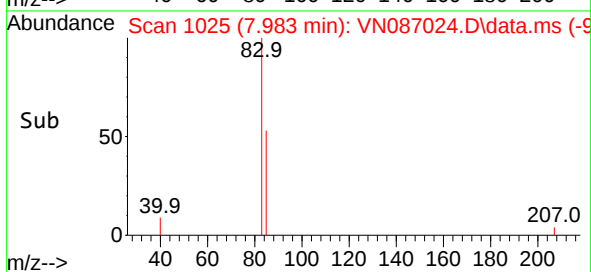
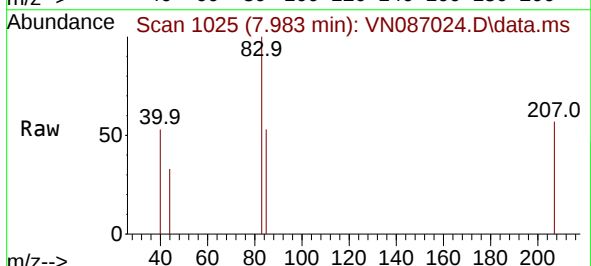
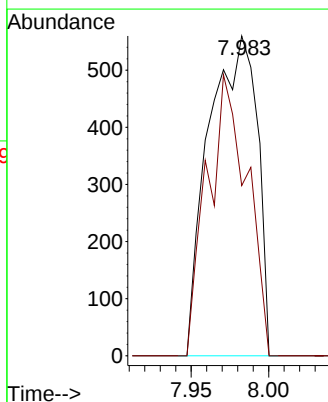
Acq: 16 Jun 2025 12:43

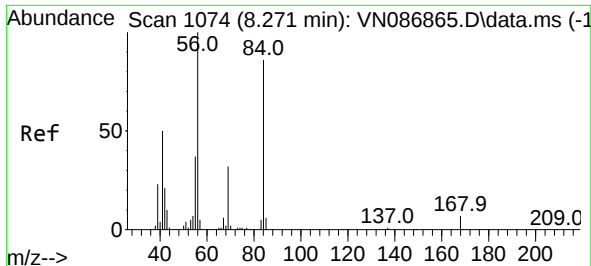
Tgt Ion: 83 Resp: 1216

Ion Ratio Lower Upper

83 100

85 53.2 52.9 79.3

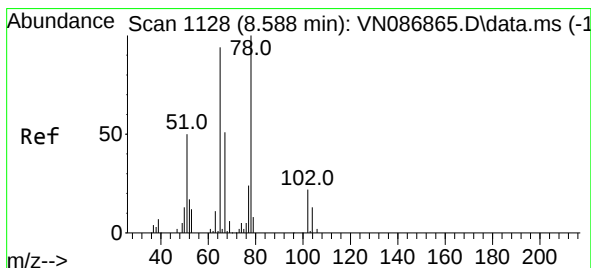
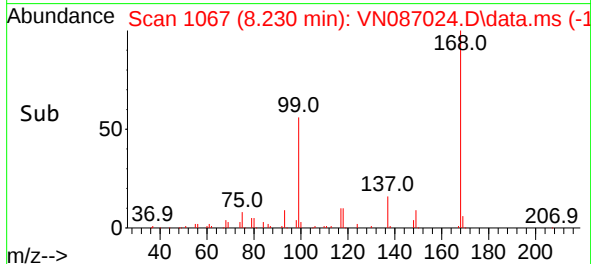
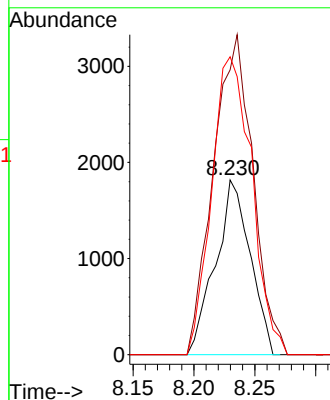
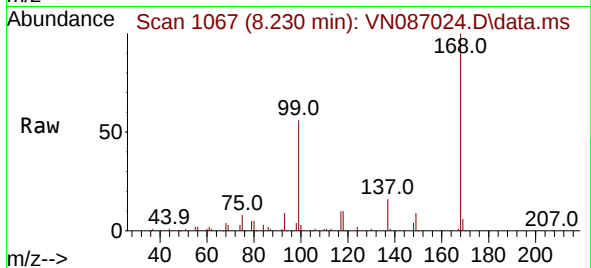




#31
Cyclohexane
Concen: 0.793 ug/l
RT: 8.230 min Scan# 1107
Delta R.T. -0.041 min
Lab File: VN087024.D
Acq: 16 Jun 2025 12:43

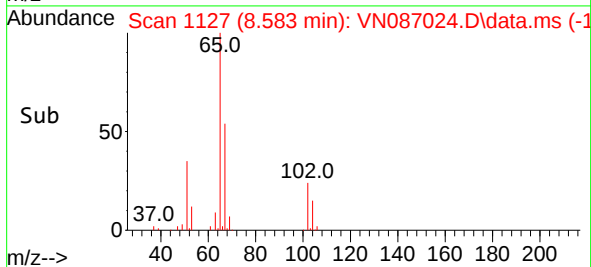
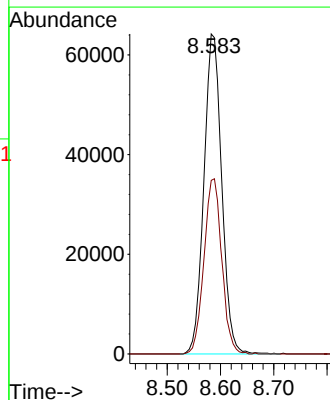
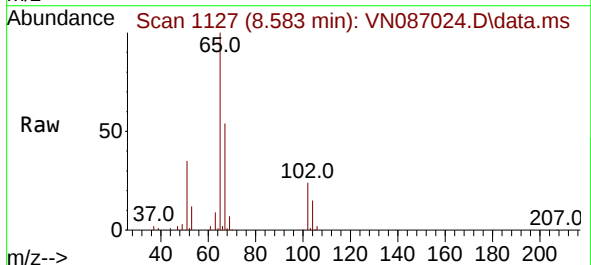
Instrument :
MSVOA_N
ClientSampleId :
TT191D2-20250609

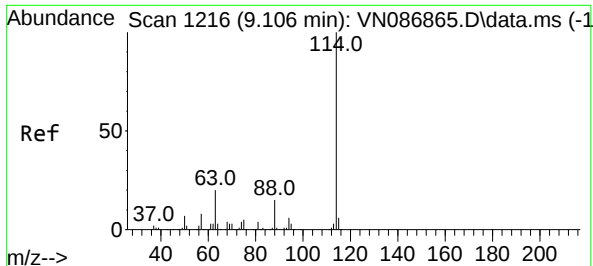
Tgt Ion: 56 Resp: 3620
Ion Ratio Lower Upper
56 100
69 163.1 25.4 38.0#
84 170.6 68.8 103.2#



#33
1,2-Dichloroethane-d4
Concen: 53.043 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. -0.006 min
Lab File: VN087024.D
Acq: 16 Jun 2025 12:43

Tgt Ion: 65 Resp: 149231
Ion Ratio Lower Upper
65 100
67 54.6 0.0 105.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN087024.D

Acq: 16 Jun 2025 12:43

Instrument :

MSVOA_N

ClientSampleId :

TT191D2-20250609

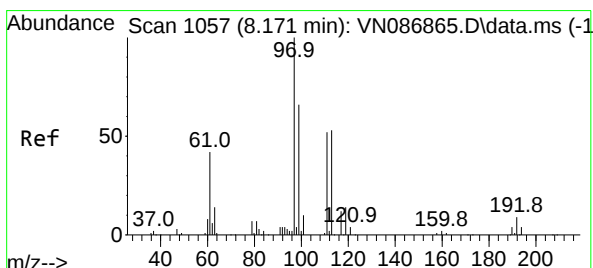
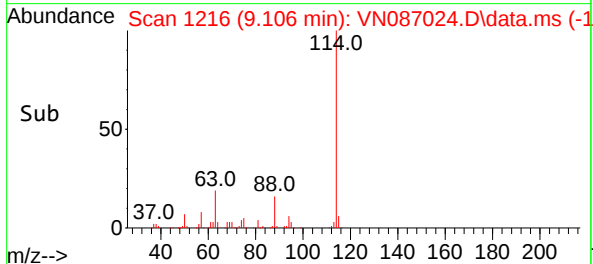
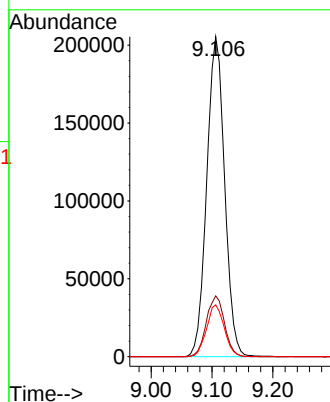
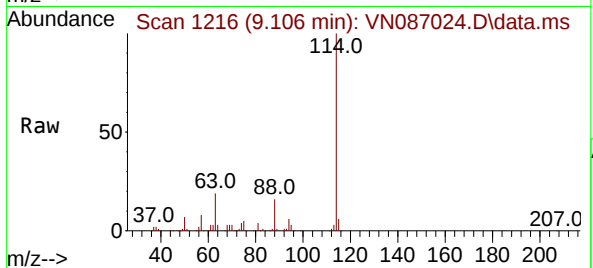
Tgt Ion:114 Resp: 419506

Ion Ratio Lower Upper

114 100

63 19.0 0.0 39.6

88 16.2 0.0 30.2



#35

Dibromofluoromethane

Concen: 51.416 ug/l

RT: 8.177 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VN087024.D

Acq: 16 Jun 2025 12:43

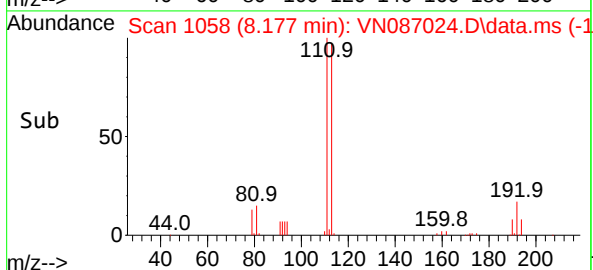
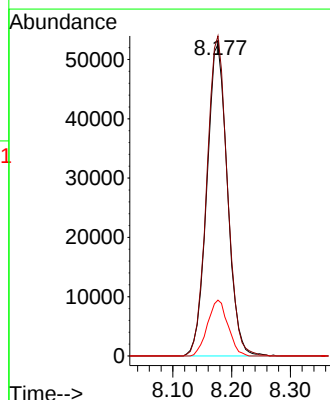
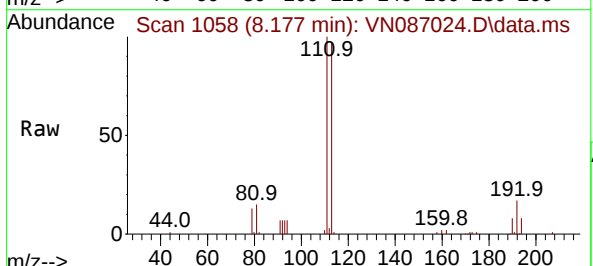
Tgt Ion:113 Resp: 127825

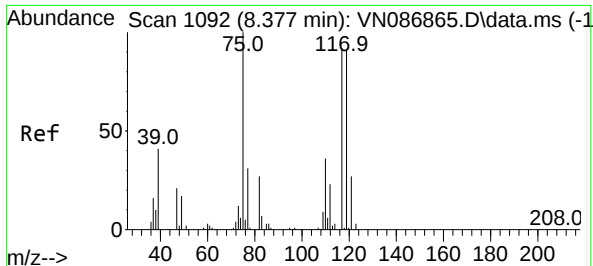
Ion Ratio Lower Upper

113 100

111 102.3 84.2 126.2

192 17.8 14.2 21.4





#36

1,1-Dichloropropene

Concen: 4.295 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.147 min

Lab File: VN087024.D

Acq: 16 Jun 2025 12:43

Instrument :

MSVOA_N

ClientSampleId :

TT191D2-20250609

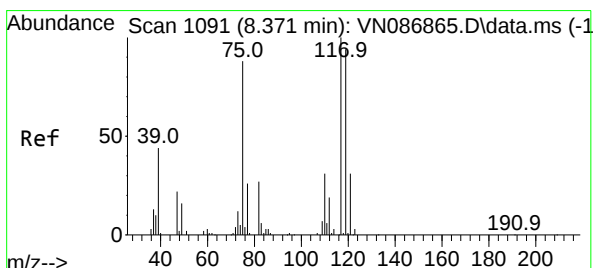
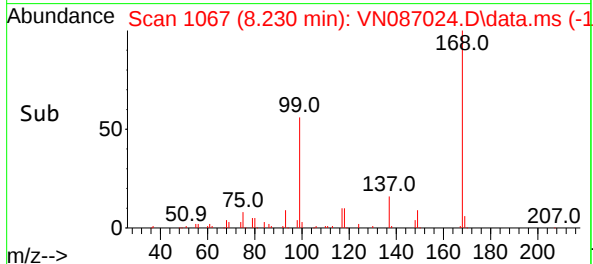
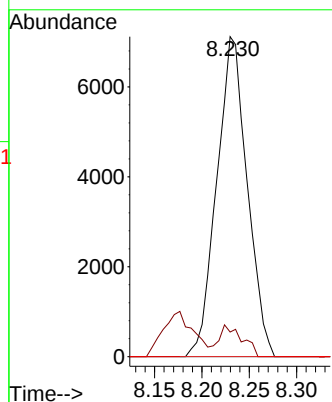
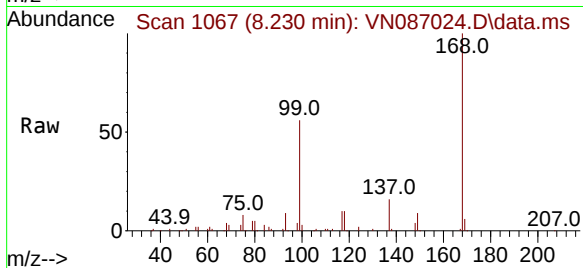
Tgt Ion: 75 Resp: 15910

Ion Ratio Lower Upper

75 100

110 7.7 17.6 52.9#

77 0.0 25.3 37.9#



#38

Carbon Tetrachloride

Concen: 0.337 ug/l

RT: 8.377 min Scan# 1092

Delta R.T. 0.006 min

Lab File: VN087024.D

Acq: 16 Jun 2025 12:43

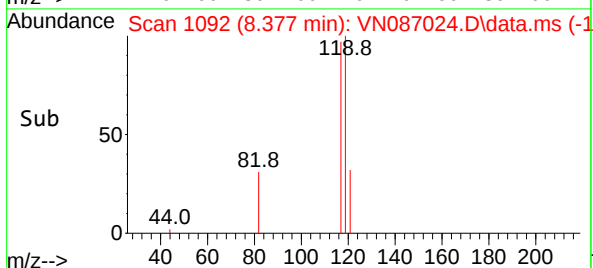
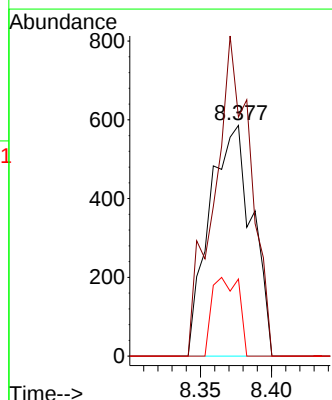
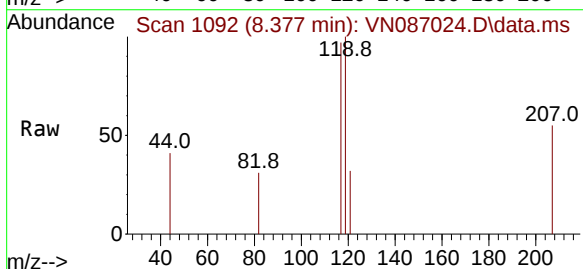
Tgt Ion: 117 Resp: 1227

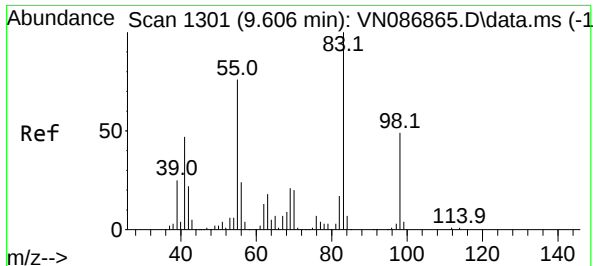
Ion Ratio Lower Upper

117 100

119 103.6 75.0 112.6

121 33.4 24.9 37.3

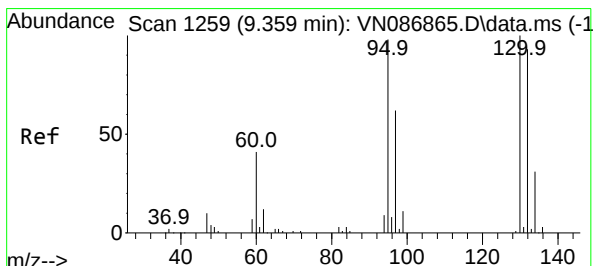
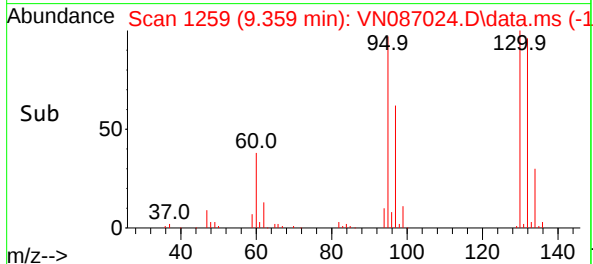
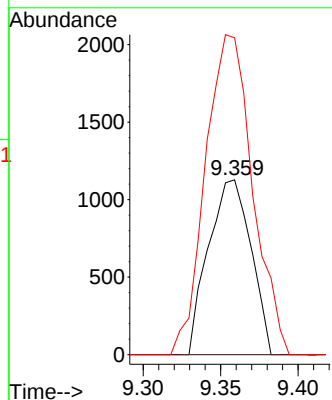
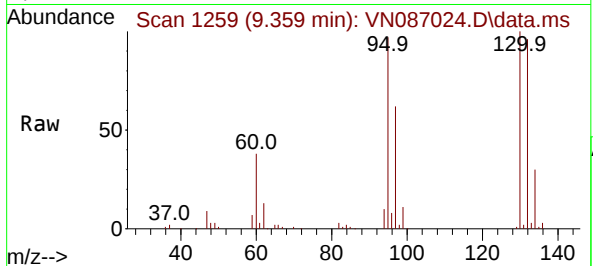




#39
Methylcyclohexane
Concen: 0.423 ug/l
RT: 9.359 min Scan# 1259
Delta R.T. -0.247 min
Lab File: VN087024.D
Acq: 16 Jun 2025 12:43

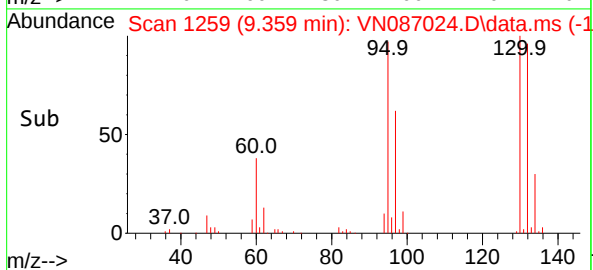
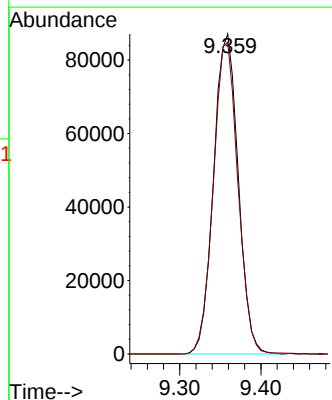
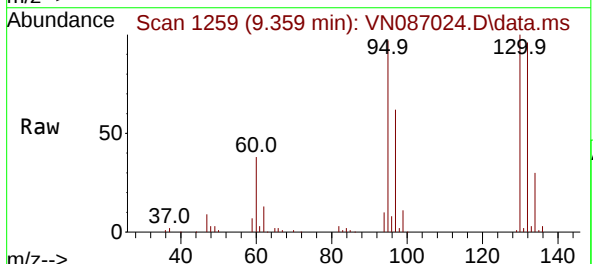
Instrument :
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TT191D2-20250609

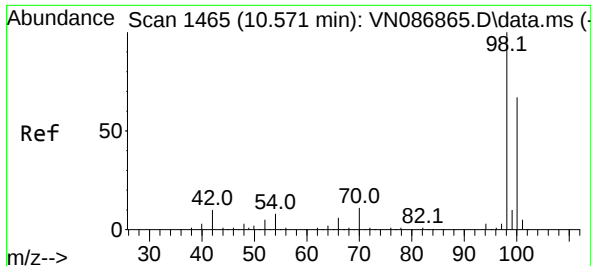
Tgt Ion: 83 Resp: 2149
Ion Ratio Lower Upper
83 100
55 0.0 61.0 91.6#
98 167.4 38.9 58.3#



#44
Trichloroethene
Concen: 63.777 ug/l
RT: 9.359 min Scan# 1259
Delta R.T. -0.000 min
Lab File: VN087024.D
Acq: 16 Jun 2025 12:43

Tgt Ion:130 Resp: 183196
Ion Ratio Lower Upper
130 100
95 97.5 0.0 196.2

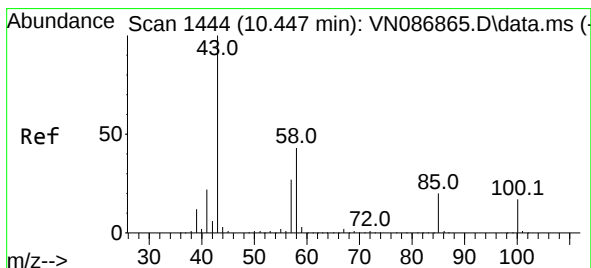
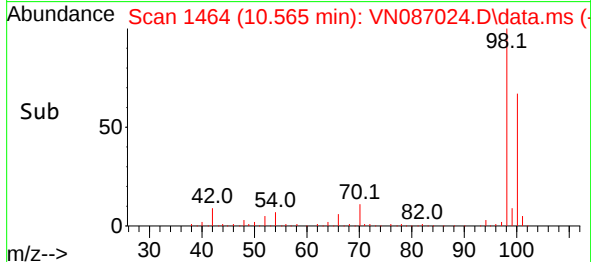
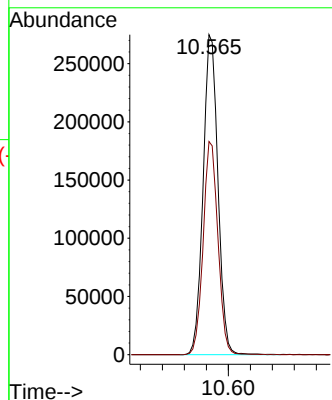
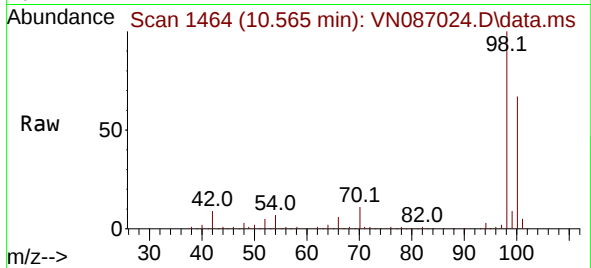




#50
Toluene-d8
Concen: 52.192 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VN087024.D
Acq: 16 Jun 2025 12:43

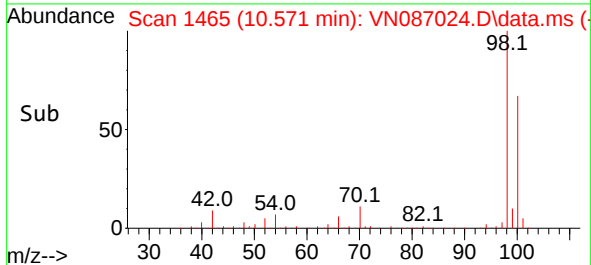
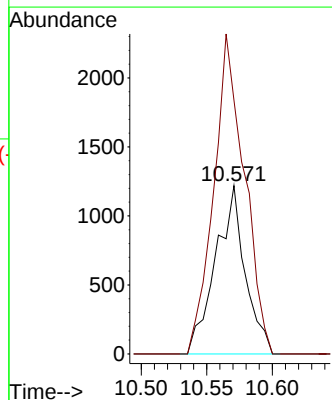
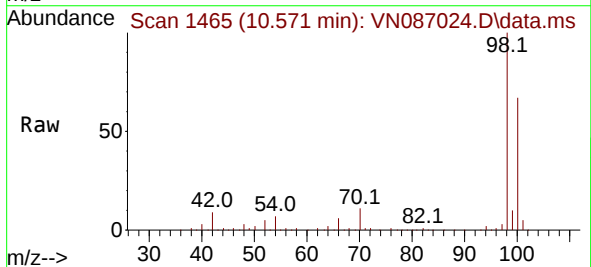
Instrument :
MSVOA_N
ClientSampleId :
TT191D2-20250609

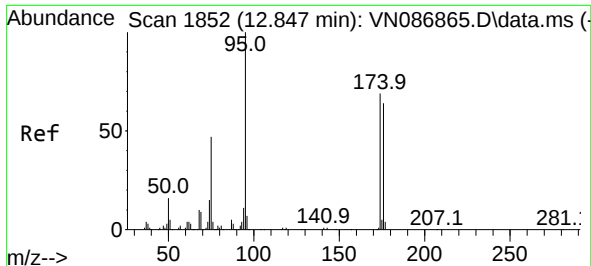
Tgt Ion: 98 Resp: 513664
Ion Ratio Lower Upper
98 100
100 66.4 53.4 80.0



#51
4-Methyl-2-Pentanone
Concen: 0.419 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.123 min
Lab File: VN087024.D
Acq: 16 Jun 2025 12:43

Tgt Ion: 43 Resp: 1910
Ion Ratio Lower Upper
43 100
58 197.3 34.2 51.4#

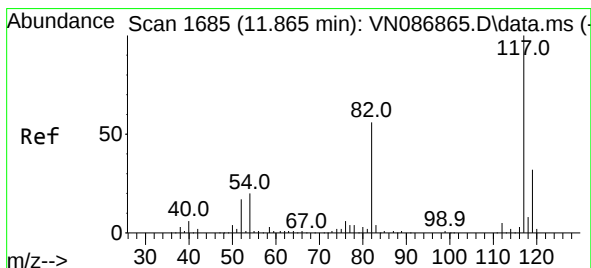
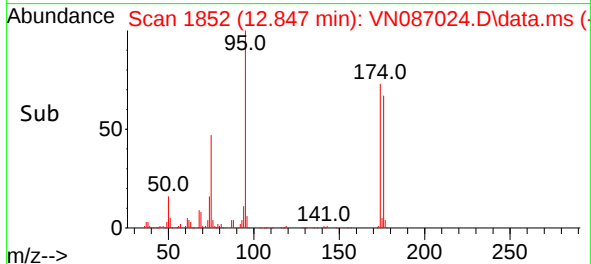
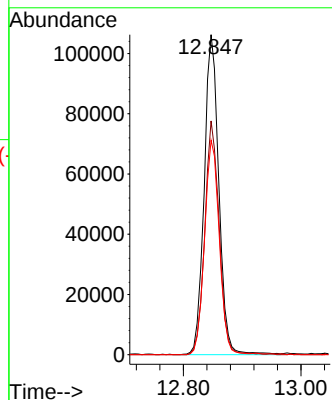
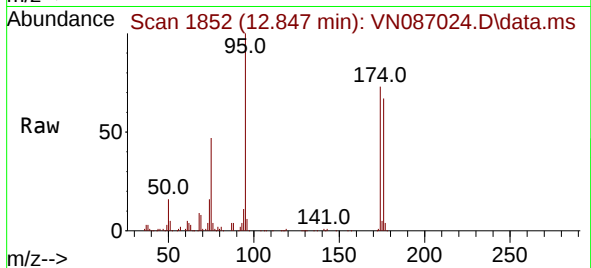




#62
4-Bromofluorobenzene
Concen: 50.386 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN087024.D
Acq: 16 Jun 2025 12:43

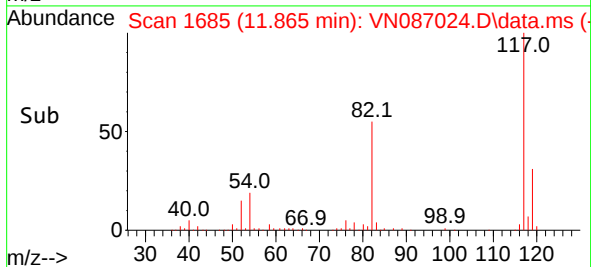
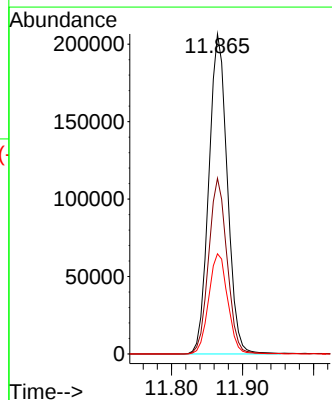
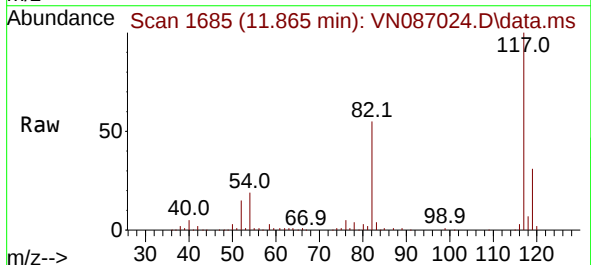
Instrument :
MSVOA_N
ClientSampleId :
TT191D2-20250609

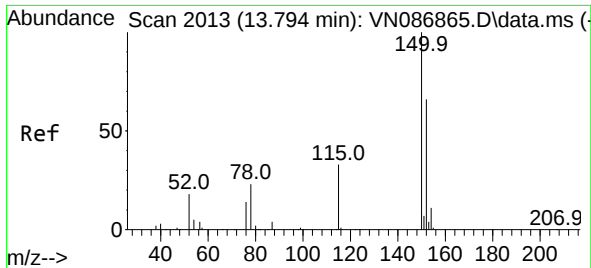
Tgt Ion: 95 Resp: 184236
Ion Ratio Lower Upper
95 100
174 71.5 0.0 141.8
176 67.1 0.0 132.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN087024.D
Acq: 16 Jun 2025 12:43

Tgt Ion: 117 Resp: 373250
Ion Ratio Lower Upper
117 100
82 54.9 44.6 67.0
119 31.3 25.5 38.3

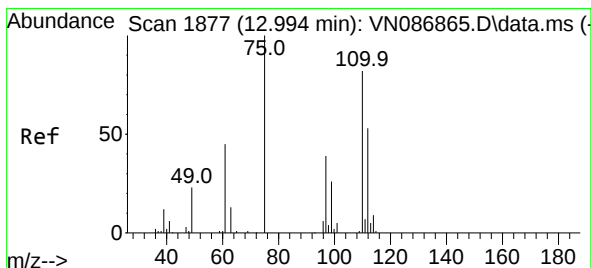
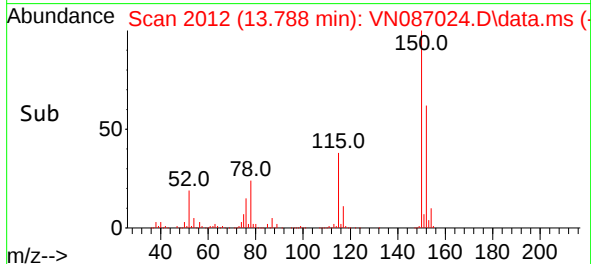
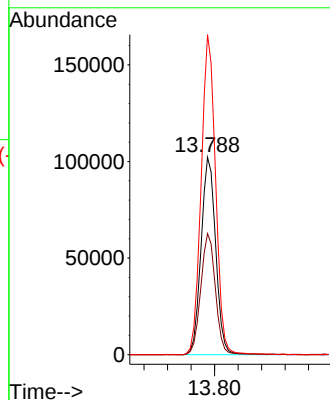
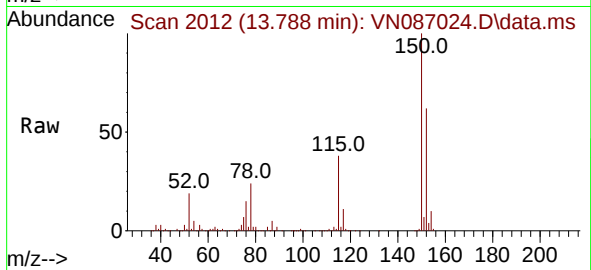




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 20
 Delta R.T. -0.006 min
 Lab File: VN087024.D
 Acq: 16 Jun 2025 12:43

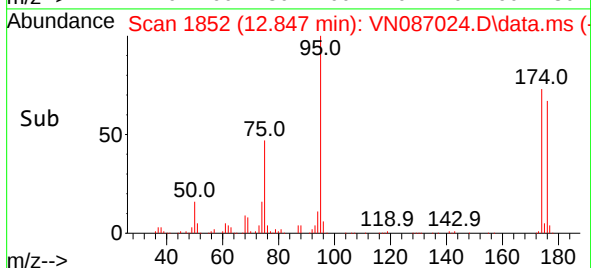
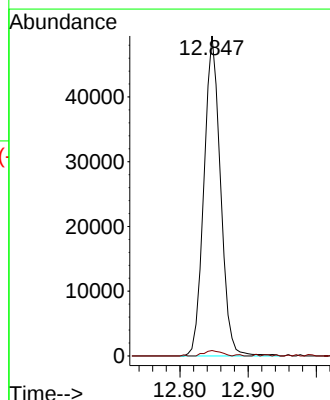
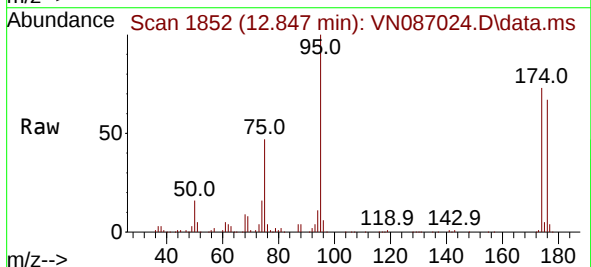
Instrument :
 MSVOA_N
 ClientSampleId :
 TT191D2-20250609

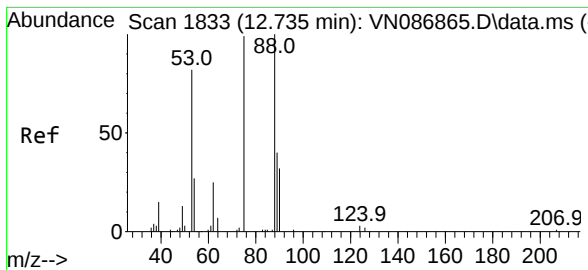
Tgt Ion:152 Resp: 177105
 Ion Ratio Lower Upper
 152 100
 115 61.3 30.1 90.5
 150 159.7 0.0 345.0



#76
 1,2,3-Trichloropropane
 Concen: 19.867 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.147 min
 Lab File: VN087024.D
 Acq: 16 Jun 2025 12:43

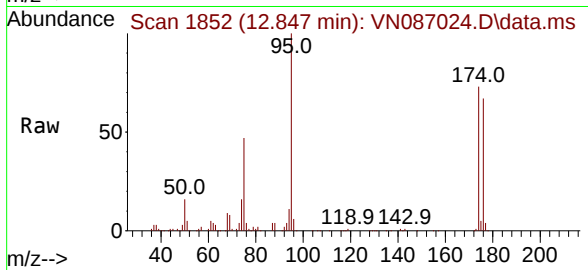
Tgt Ion: 75 Resp: 83639
 Ion Ratio Lower Upper
 75 100
 77 1.7 79.3 237.9#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 45.734 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN087024.D
 Acq: 16 Jun 2025 12:43

Instrument :
 MSVOA_N
 ClientSampleId :
 TT191D2-20250609



Tgt Ion: 75 Resp: 83639
 Ion Ratio Lower Upper
 75 100
 53 0.0 66.6 99.8#
 89 0.0 36.7 55.1#

