

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070325\
 Data File : VN087265.D
 Acq On : 03 Jul 2025 13:00
 Operator : JC\MD
 Sample : PB168727TB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB168727TB

Quant Time: Jul 04 01:30:05 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N063025W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 01 03:15:00 2025
 Response via : Initial Calibration

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

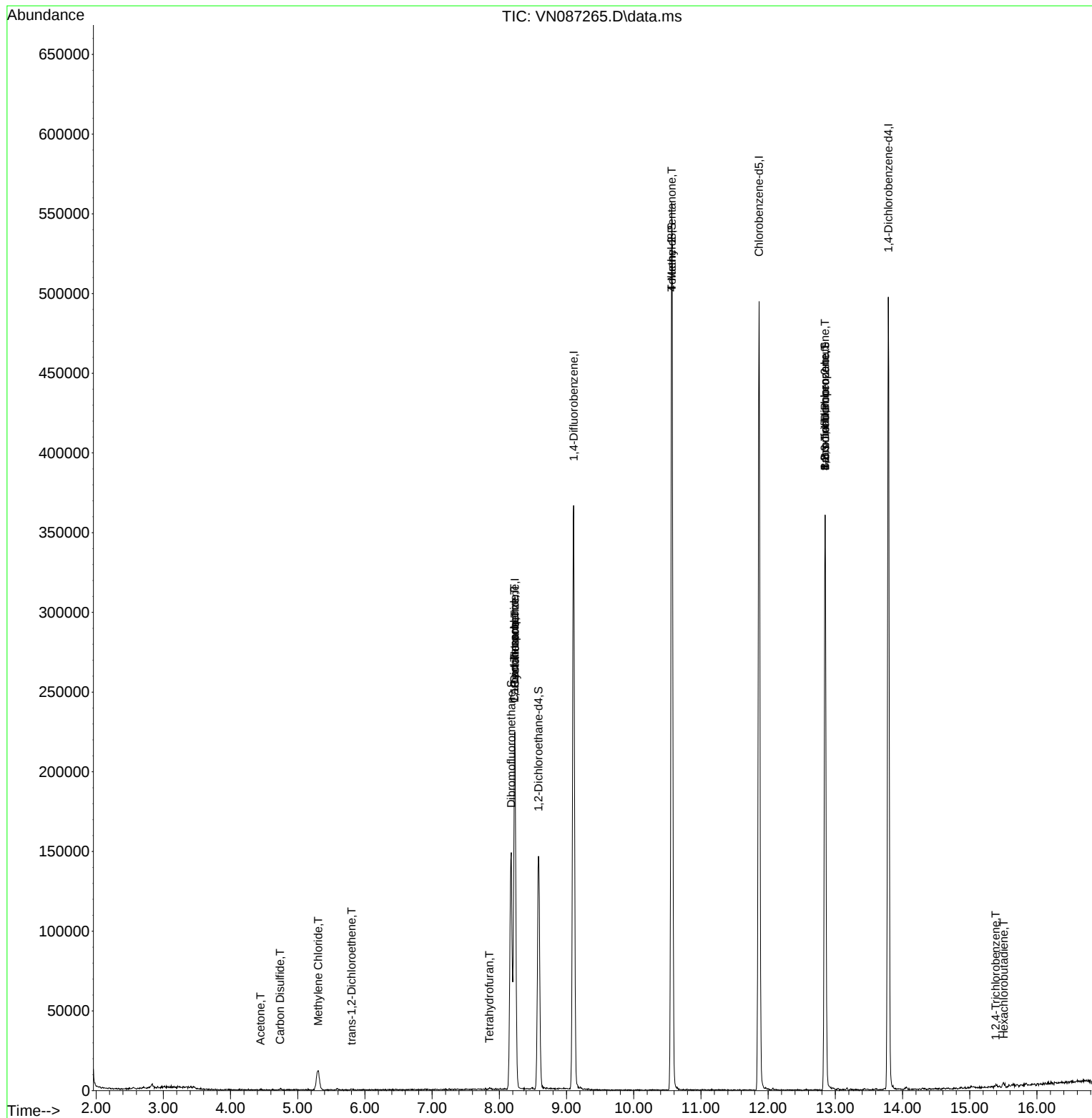
Internal Standards						
1) Pentafluorobenzene	8.230	168	177224	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	333249	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	300948	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	143022	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	124403	55.930	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	111.860%
35) Dibromofluoromethane	8.177	113	108835	51.005	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	102.000%
50) Toluene-d8	10.565	98	401195	48.237	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	96.480%
62) 4-Bromofluorobenzene	12.847	95	133020	44.949	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	89.900%
Target Compounds						Qvalue
16) Acetone	4.448	43	312	0.367	ug/l #	41
17) Carbon Disulfide	4.736	76	1377	0.279	ug/l #	76
20) Methylene Chloride	5.306	84	10965	5.821	ug/l #	95
21) trans-1,2-Dichloroethene	5.800	96	517	0.260	ug/l #	1
29) Tetrahydrofuran	7.853	42	270	0.315	ug/l #	73
31) Cyclohexane	8.230	56	3305	1.091	ug/l #	63
36) 1,1-Dichloropropene	8.224	75	12894	4.444	ug/l #	47
38) Carbon Tetrachloride	8.224	117	16634	5.059	ug/l #	14
51) 4-Methyl-2-Pentanone	10.565	43	1434	0.484	ug/l #	1
71) Bromoform	12.847	173	1486	0.826	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	66036	24.275	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	66036	57.018	ug/l #	14
93) 1,2,4-Trichlorobenzene	15.388	180	664	0.251	ug/l #	58
94) Hexachlorobutadiene	15.506	225	597	0.709	ug/l #	61

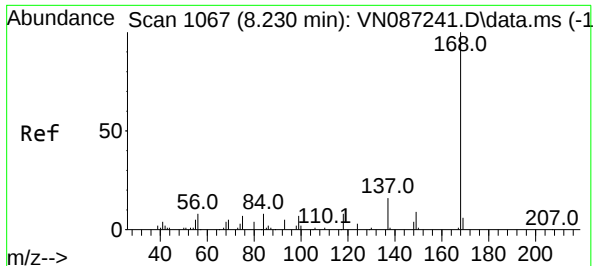
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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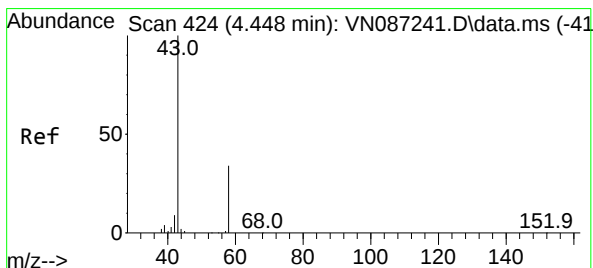
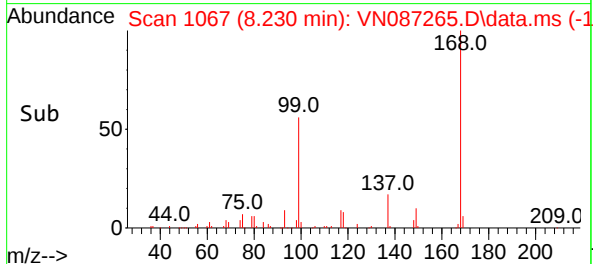
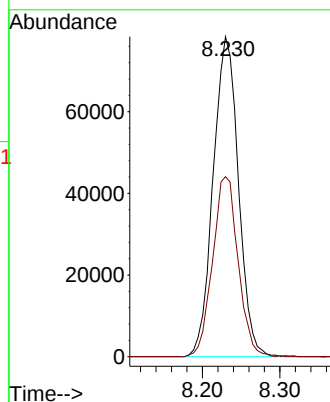
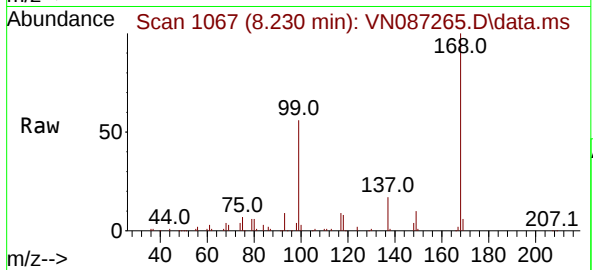




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.000 min
Lab File: VN087265.D
Acq: 03 Jul 2025 13:00

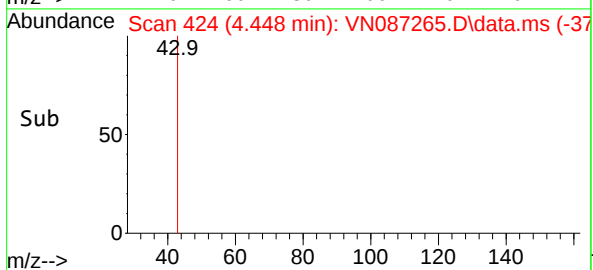
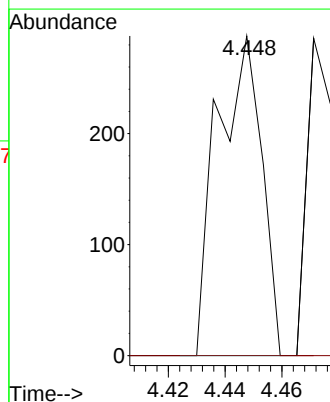
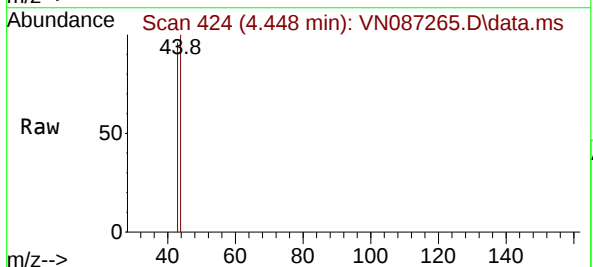
Instrument :
MSVOA_N
ClientSampleId :
PB168727TB

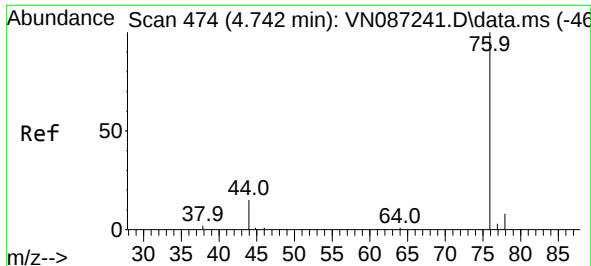
Tgt Ion:168 Resp: 177224
Ion Ratio Lower Upper
168 100
99 56.2 42.6 64.0



#16
Acetone
Concen: 0.367 ug/l
RT: 4.448 min Scan# 424
Delta R.T. 0.000 min
Lab File: VN087265.D
Acq: 03 Jul 2025 13:00

Tgt Ion: 43 Resp: 312
Ion Ratio Lower Upper
43 100
58 0.0 27.1 40.7#

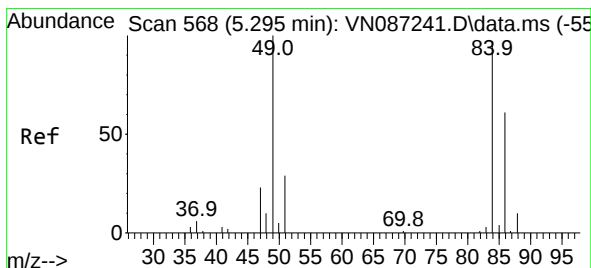
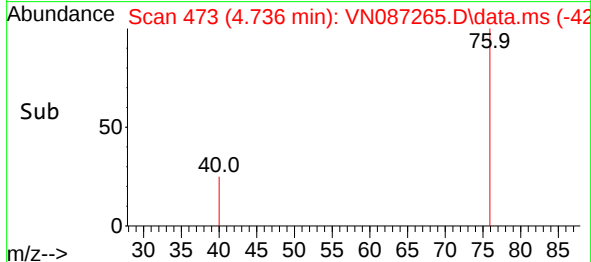
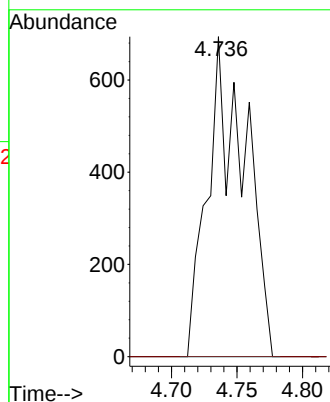
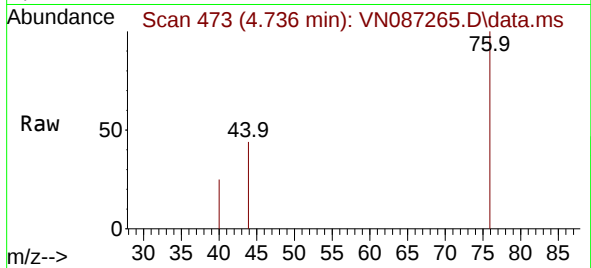




#17
Carbon Disulfide
Concen: 0.279 ug/l
RT: 4.736 min Scan# 41
Delta R.T. -0.006 min
Lab File: VN087265.D
Acq: 03 Jul 2025 13:00

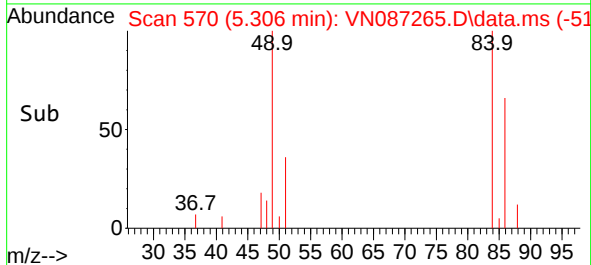
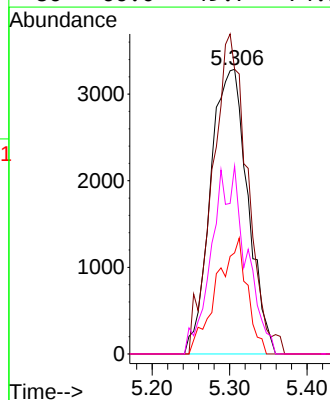
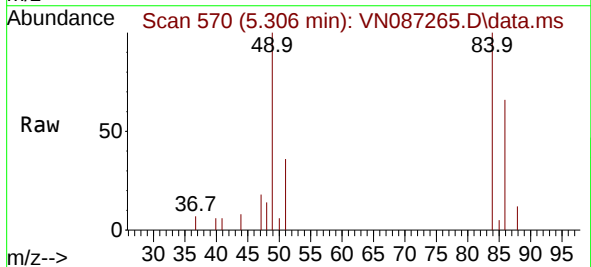
Instrument :
MSVOA_N
ClientSampleId :
PB168727TB

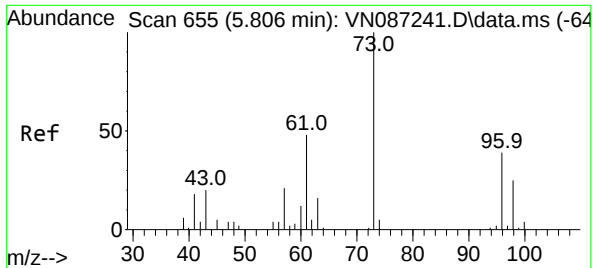
Tgt Ion: 76 Resp: 1377
Ion Ratio Lower Upper
76 100
78 0.0 6.8 10.2#



#20
Methylene Chloride
Concen: 5.821 ug/l
RT: 5.306 min Scan# 570
Delta R.T. 0.012 min
Lab File: VN087265.D
Acq: 03 Jul 2025 13:00

Tgt Ion: 84 Resp: 10965
Ion Ratio Lower Upper
84 100
49 100.0 82.1 123.1
51 35.5 23.5 35.3#
86 66.0 49.7 74.5

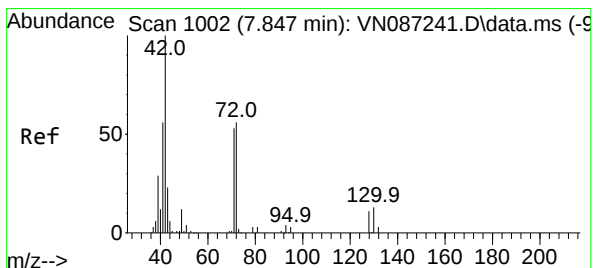
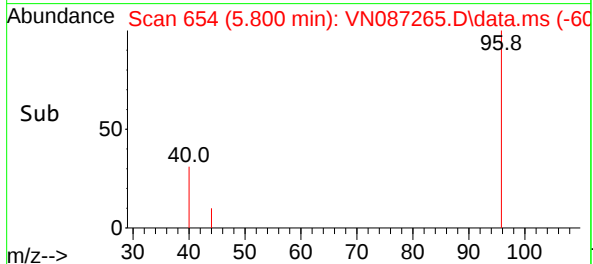
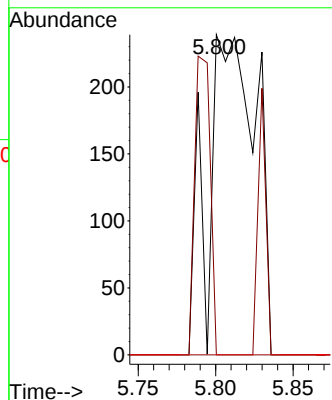
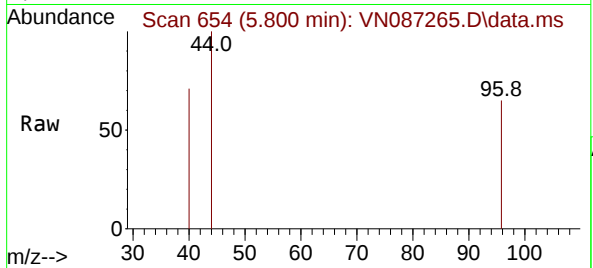




#21
trans-1,2-Dichloroethene
Concen: 0.260 ug/l
RT: 5.800 min Scan# 617
Delta R.T. -0.006 min
Lab File: VN087265.D
Acq: 03 Jul 2025 13:00

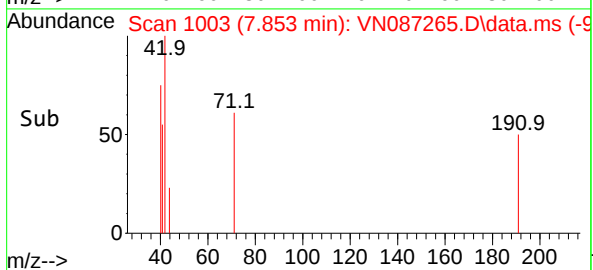
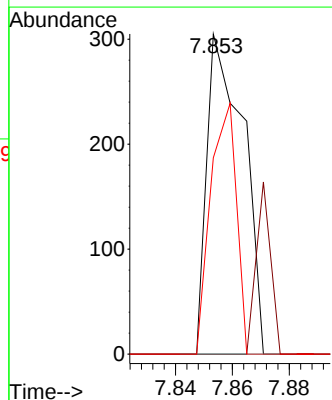
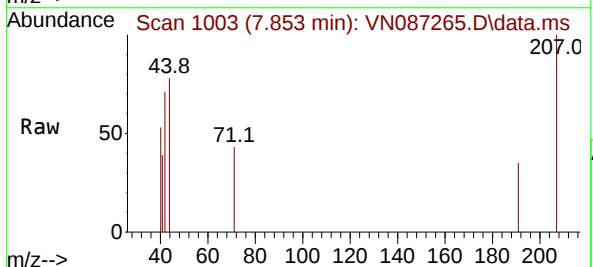
Instrument :
MSVOA_N
ClientSampleId :
PB168727TB

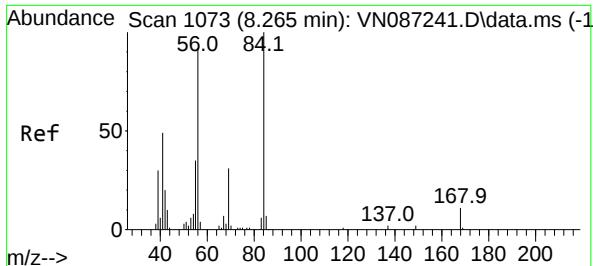
Tgt Ion: 96 Resp: 517
Ion Ratio Lower Upper
96 100
61 0.0 98.2 147.2#
98 0.0 50.0 75.0#



#29
Tetrahydrofuran
Concen: 0.315 ug/l
RT: 7.853 min Scan# 1003
Delta R.T. 0.006 min
Lab File: VN087265.D
Acq: 03 Jul 2025 13:00

Tgt Ion: 42 Resp: 270
Ion Ratio Lower Upper
42 100
72 21.5 44.2 66.4#
71 55.6 41.1 61.7

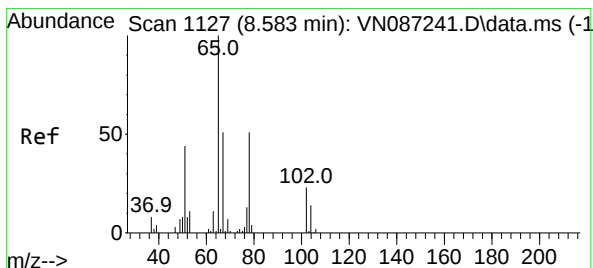
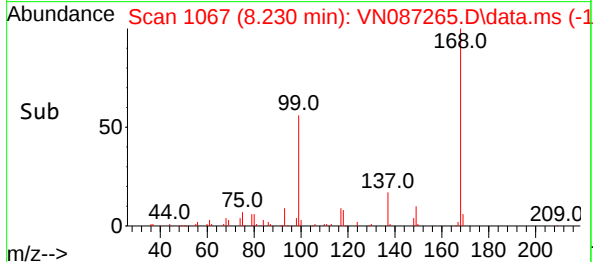
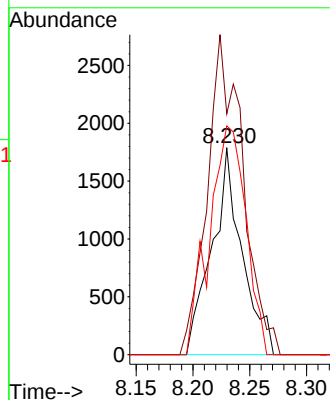
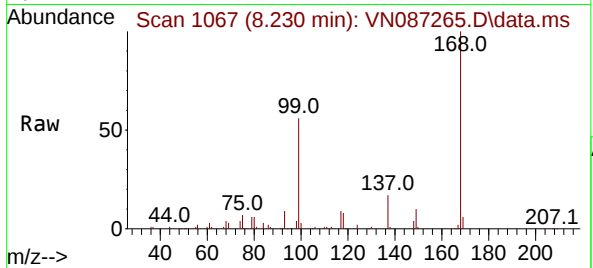




#31
Cyclohexane
Concen: 1.091 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.035 min
Lab File: VN087265.D
Acq: 03 Jul 2025 13:00

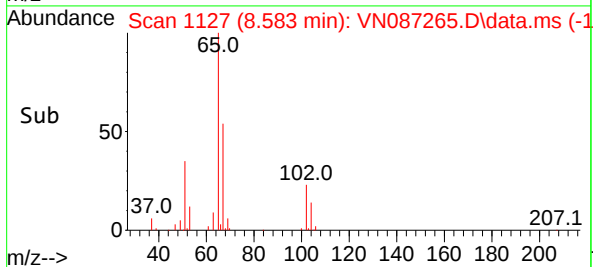
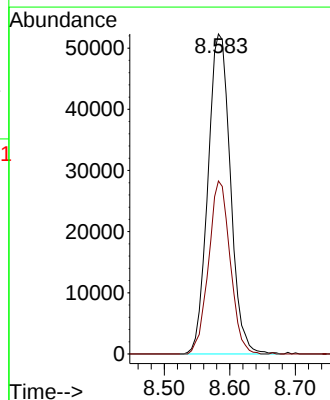
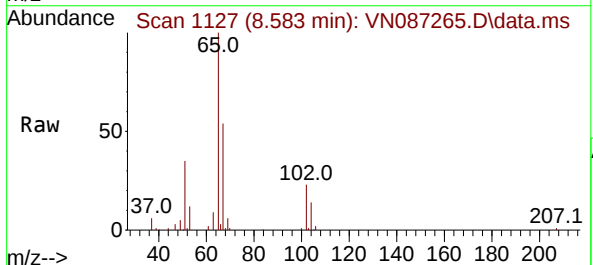
Instrument :
MSVOA_N
ClientSampleId :
PB168727TB

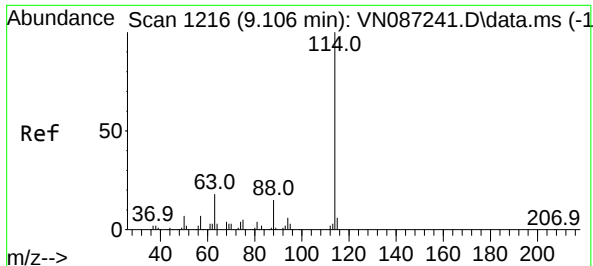
Tgt Ion: 56 Resp: 3305
Ion Ratio Lower Upper
56 100
69 116.4 27.0 40.6#
84 110.6 86.2 129.4



#33
1,2-Dichloroethane-d4
Concen: 55.930 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VN087265.D
Acq: 03 Jul 2025 13:00

Tgt Ion: 65 Resp: 124403
Ion Ratio Lower Upper
65 100
67 51.9 0.0 102.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN087265.D

Acq: 03 Jul 2025 13:00

Instrument :

MSVOA_N

ClientSampleId :

PB168727TB

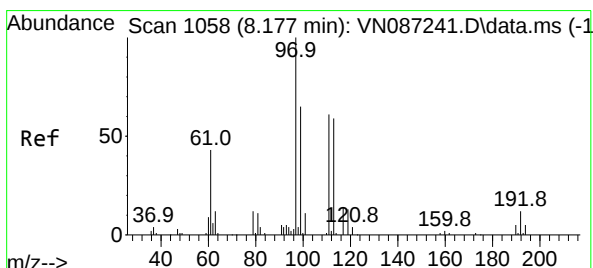
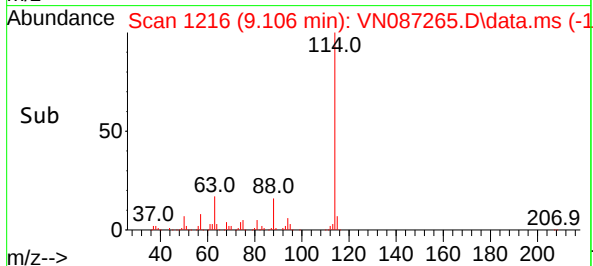
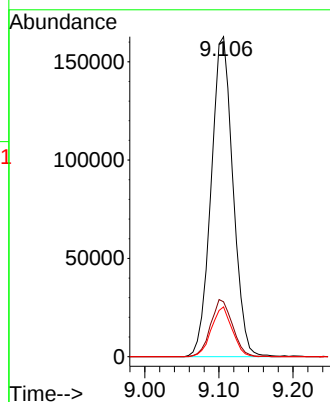
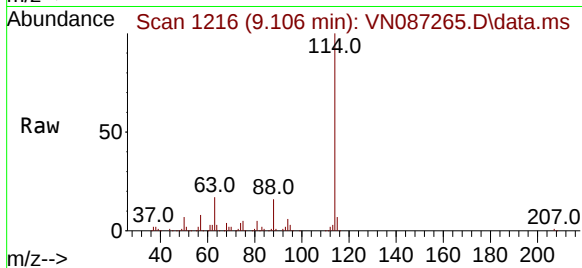
Tgt Ion:114 Resp: 333249

Ion Ratio Lower Upper

114 100

63 17.2 0.0 36.6

88 15.5 0.0 29.6



#35

Dibromofluoromethane

Concen: 51.005 ug/l

RT: 8.177 min Scan# 1058

Delta R.T. 0.000 min

Lab File: VN087265.D

Acq: 03 Jul 2025 13:00

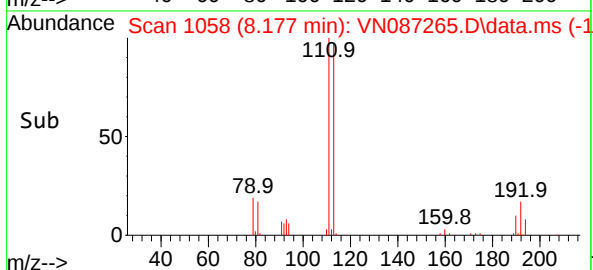
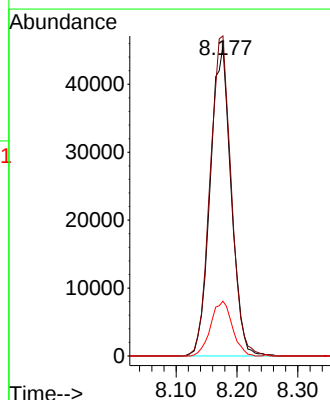
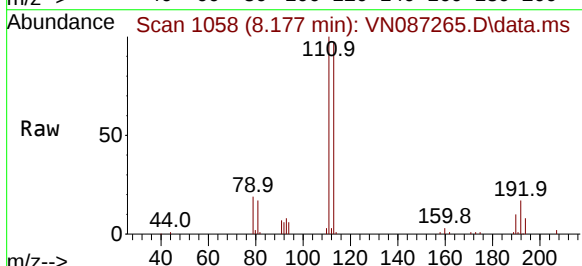
Tgt Ion:113 Resp: 108835

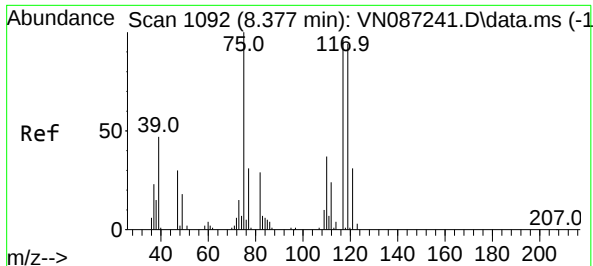
Ion Ratio Lower Upper

113 100

111 104.0 81.4 122.2

192 18.2 15.1 22.7





#36

1,1-Dichloropropene

Concen: 4.444 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.153 min

Lab File: VN087265.D

Acq: 03 Jul 2025 13:00

Instrument :

MSVOA_N

ClientSampleId :

PB168727TB

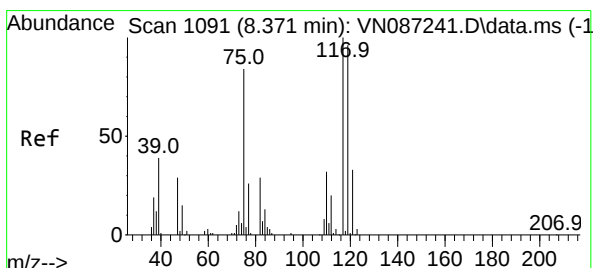
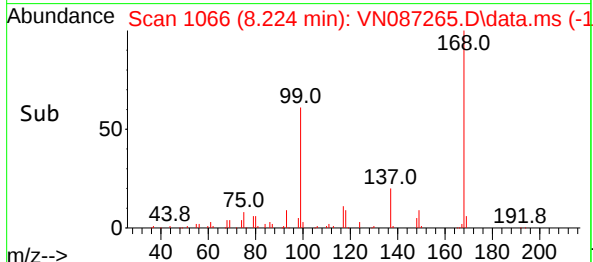
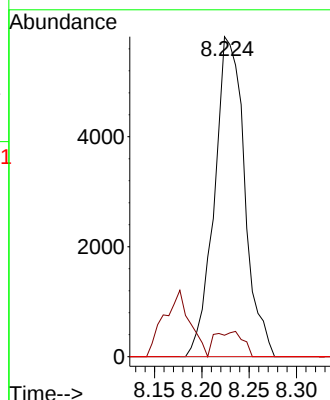
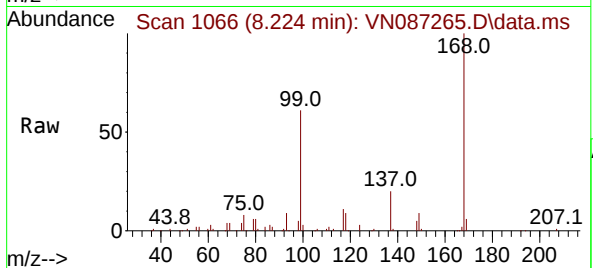
Tgt Ion: 75 Resp: 12894

Ion Ratio Lower Upper

75 100

110 7.4 18.7 56.1#

77 0.0 24.5 36.7#



#38

Carbon Tetrachloride

Concen: 5.059 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

Lab File: VN087265.D

Acq: 03 Jul 2025 13:00

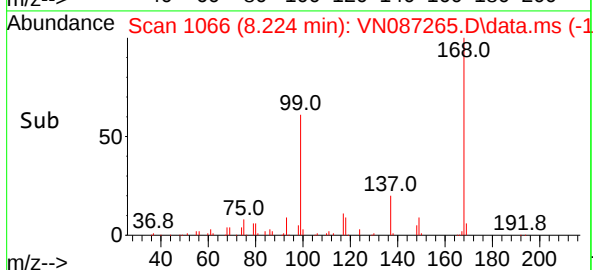
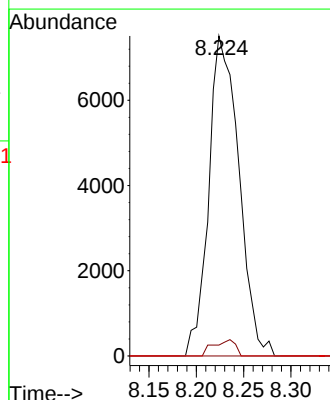
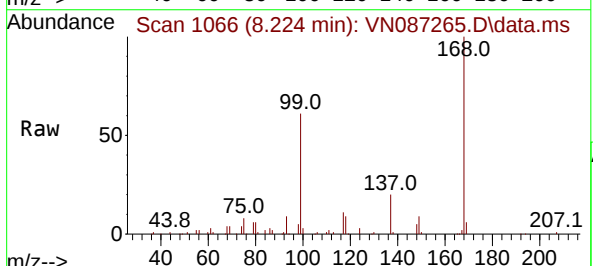
Tgt Ion: 117 Resp: 16634

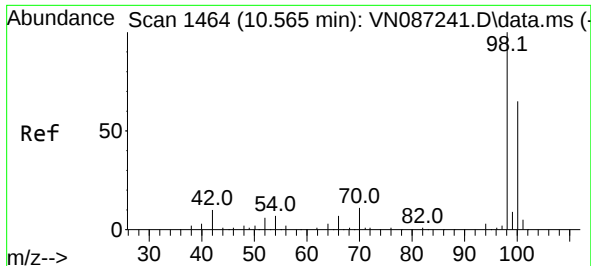
Ion Ratio Lower Upper

117 100

119 3.4 77.2 115.8#

121 0.0 26.6 39.8#

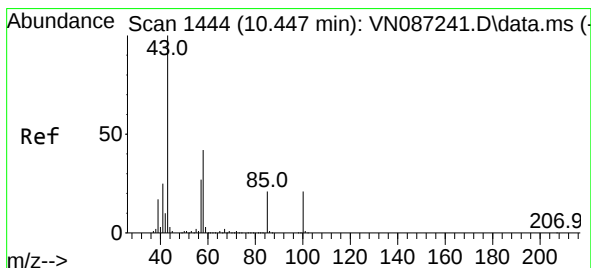
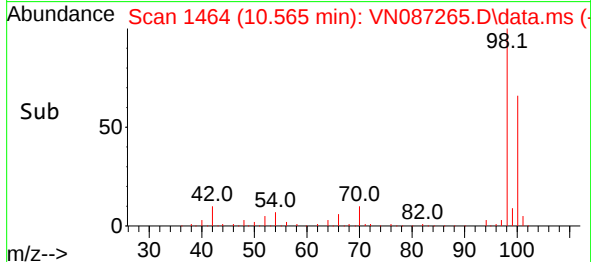
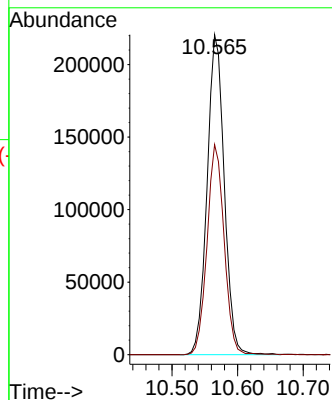
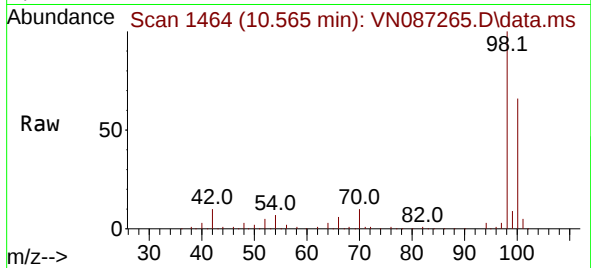




#50
Toluene-d8
Concen: 48.237 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN087265.D
Acq: 03 Jul 2025 13:00

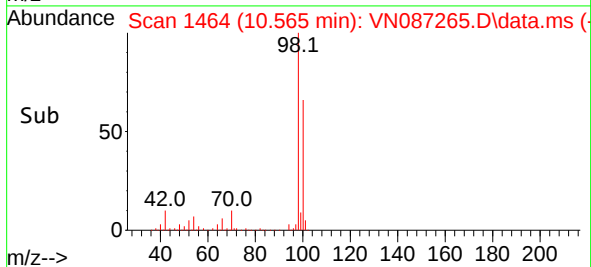
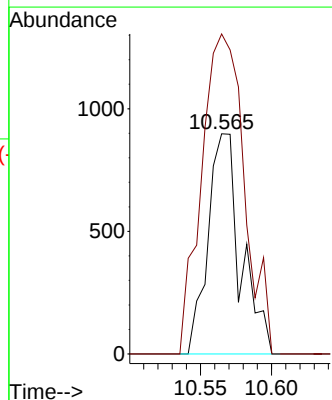
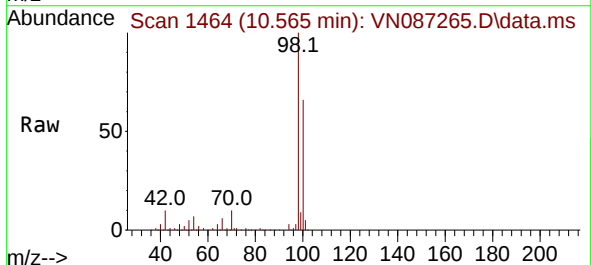
Instrument :
MSVOA_N
ClientSampleId :
PB168727TB

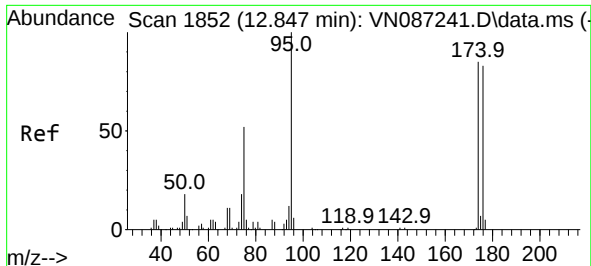
Tgt Ion: 98 Resp: 401195
Ion Ratio Lower Upper
98 100
100 65.3 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 0.484 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.118 min
Lab File: VN087265.D
Acq: 03 Jul 2025 13:00

Tgt Ion: 43 Resp: 1434
Ion Ratio Lower Upper
43 100
58 191.1 34.2 51.2#

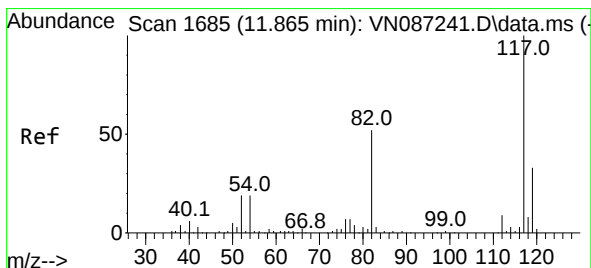
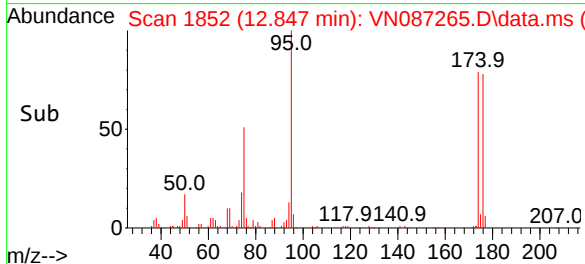
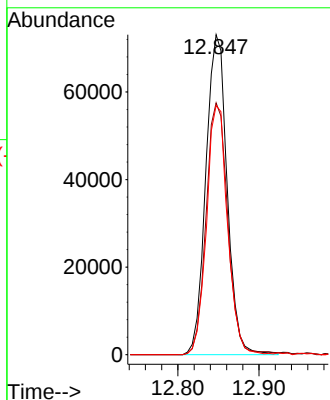
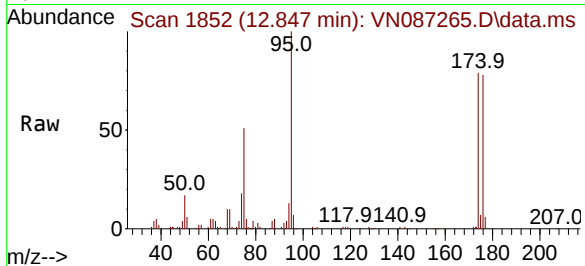




#62
4-Bromofluorobenzene
Concen: 44.949 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN087265.D
Acq: 03 Jul 2025 13:00

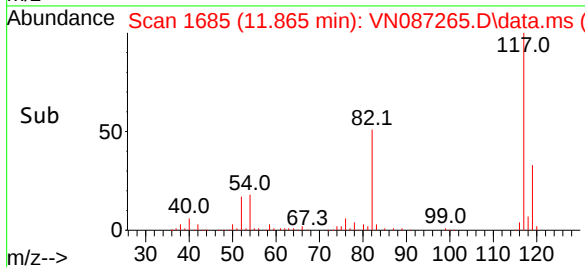
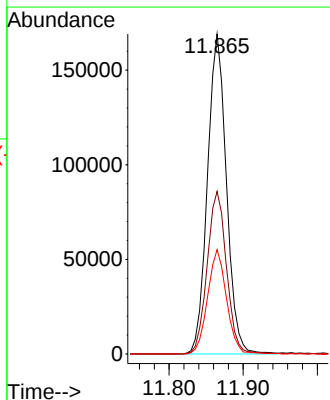
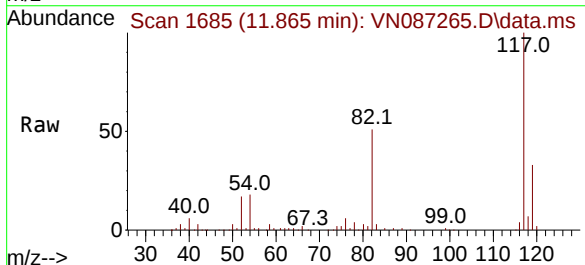
Instrument :
MSVOA_N
ClientSampleId :
PB168727TB

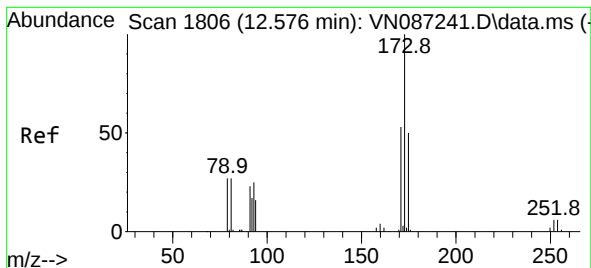
Tgt Ion: 95 Resp: 133020
Ion Ratio Lower Upper
95 100
174 80.5 0.0 169.6
176 76.9 0.0 161.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN087265.D
Acq: 03 Jul 2025 13:00

Tgt Ion: 117 Resp: 300948
Ion Ratio Lower Upper
117 100
82 50.8 41.9 62.9
119 32.6 26.2 39.4





#71

Bromoform

Concen: 0.826 ug/l

RT: 12.847 min Scan# 1806

Delta R.T. 0.271 min

Lab File: VN087265.D

Acq: 03 Jul 2025 13:00

Instrument :

MSVOA_N

ClientSampleId :

PB168727TB

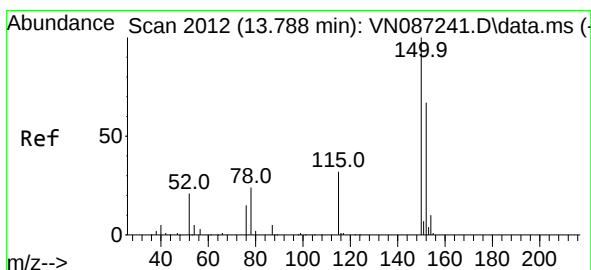
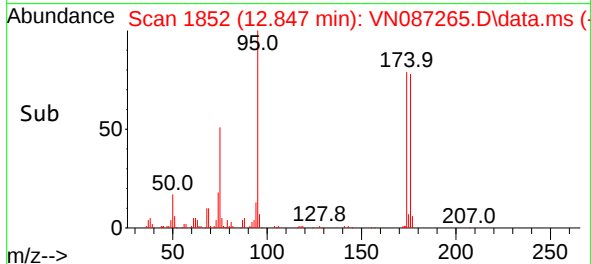
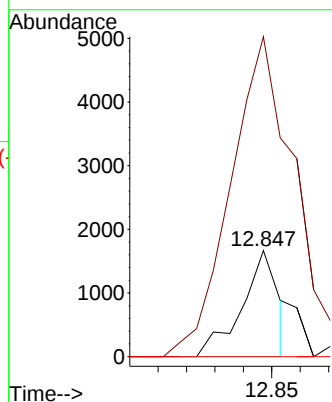
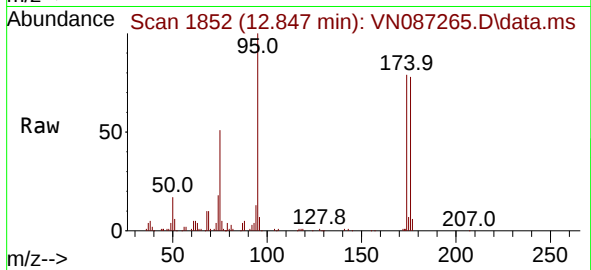
Tgt Ion:173 Resp: 1486

Ion Ratio Lower Upper

173 100

175 407.9 24.6 73.6#

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.788 min Scan# 1212

Delta R.T. 0.000 min

Lab File: VN087265.D

Acq: 03 Jul 2025 13:00

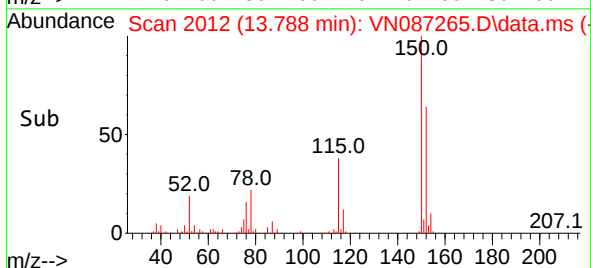
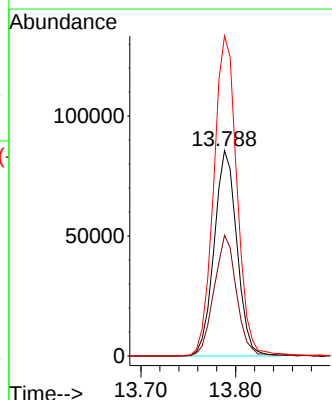
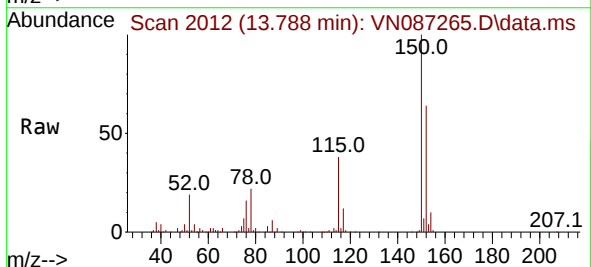
Tgt Ion:152 Resp: 143022

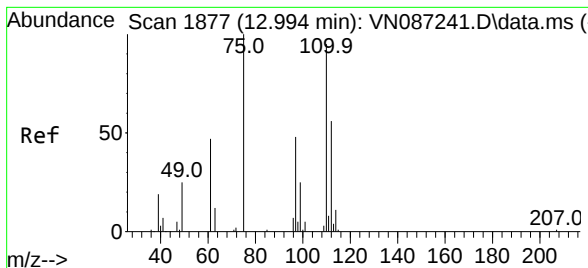
Ion Ratio Lower Upper

152 100

115 58.2 28.3 84.9

150 159.9 0.0 344.6





#76

1,2,3-Trichloropropane

Concen: 24.275 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN087265.D

Acq: 03 Jul 2025 13:00

Instrument :

MSVOA_N

ClientSampleId :

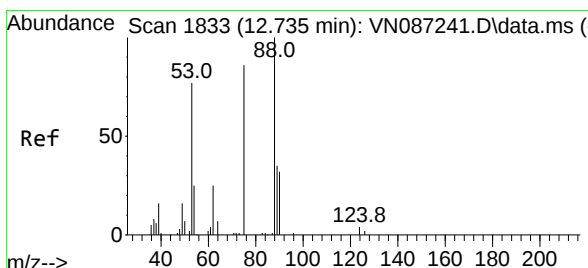
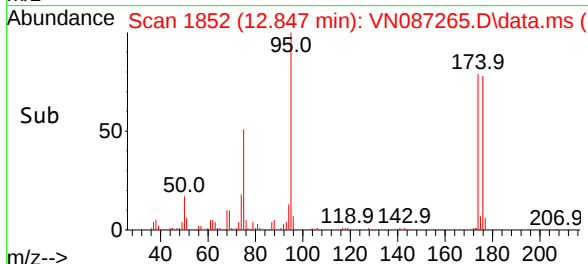
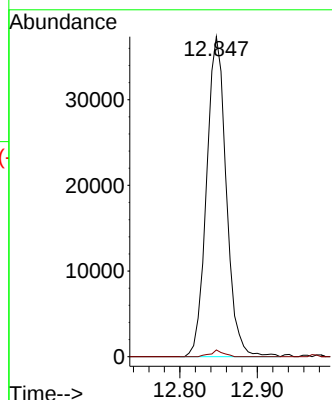
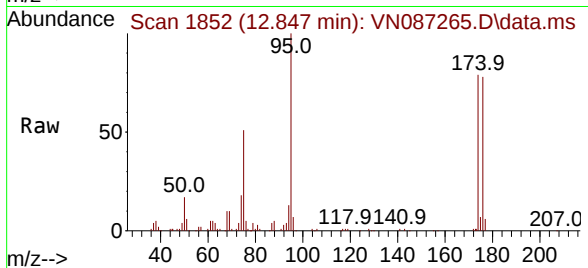
PB168727TB

Tgt Ion: 75 Resp: 66036

Ion Ratio Lower Upper

75 100

77 1.3 82.0 245.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 57.018 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.112 min

Lab File: VN087265.D

Acq: 03 Jul 2025 13:00

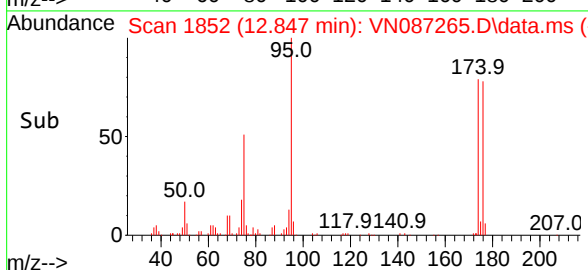
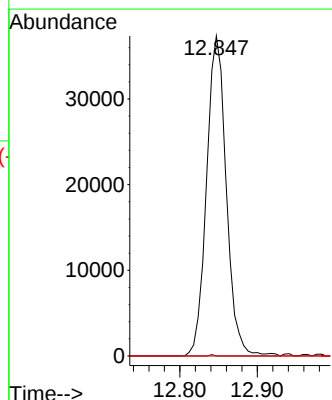
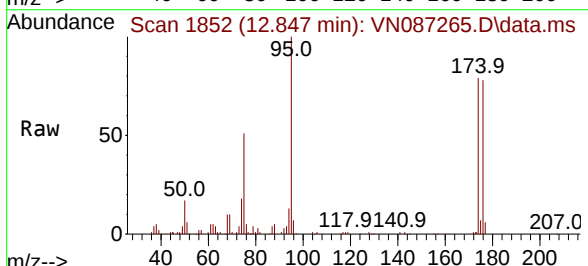
Tgt Ion: 75 Resp: 66036

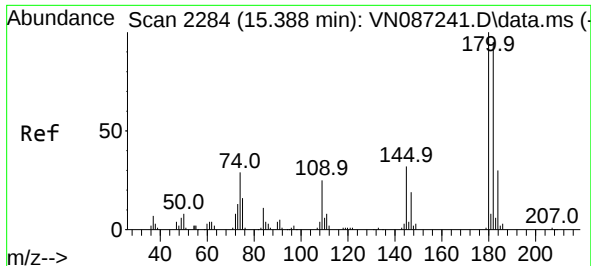
Ion Ratio Lower Upper

75 100

53 0.1 70.6 105.8#

89 0.0 36.1 54.1#

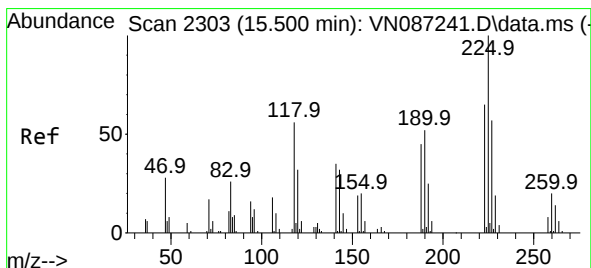
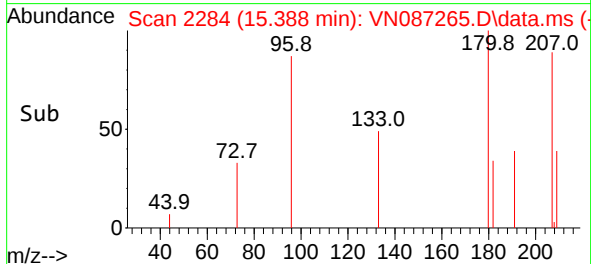
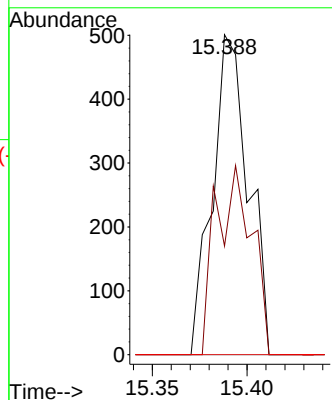
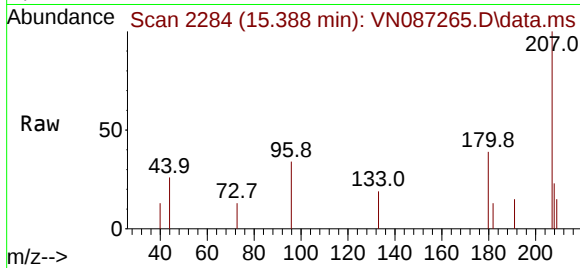




#93
 1,2,4-Trichlorobenzene
 Concen: 0.251 ug/l
 RT: 15.388 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VN087265.D
 Acq: 03 Jul 2025 13:00

Instrument :
 MSVOA_N
 ClientSampleId :
 PB168727TB

Tgt Ion:180 Resp: 664
 Ion Ratio Lower Upper
 180 100
 182 58.9 48.0 144.0
 145 0.0 15.4 46.2#



#94
 Hexachlorobutadiene
 Concen: 0.709 ug/l
 RT: 15.506 min Scan# 2304
 Delta R.T. 0.006 min
 Lab File: VN087265.D
 Acq: 03 Jul 2025 13:00

Tgt Ion:225 Resp: 597
 Ion Ratio Lower Upper
 225 100
 223 27.6 33.5 100.4#
 227 40.4 30.9 92.7

