

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061725\
 Data File : VN087056.D
 Acq On : 17 Jun 2025 14:00
 Operator : JC\MD
 Sample : PB168498TB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB168498TB

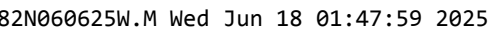
Quant Time: Jun 18 01:47:50 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 07 02:12:50 2025
 Response via : Initial Calibration

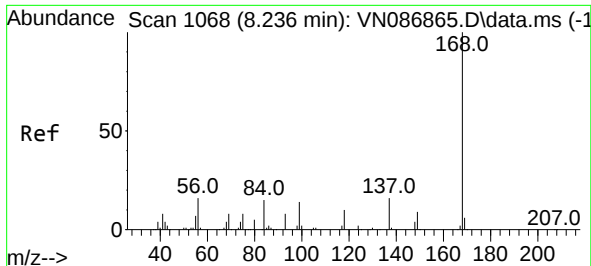
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.229	168	313622	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	629864	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	574504	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	270183	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	214180	51.007	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 102.020%		
35) Dibromofluoromethane	8.177	113	189529	50.775	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 101.560%		
50) Toluene-d8	10.571	98	770845	52.166	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 104.340%		
62) 4-Bromofluorobenzene	12.847	95	278567	50.740	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	= 101.480%		
Target Compounds						Qvalue
8) Diethyl Ether	3.994	74	1795	0.757	ug/l	83
16) Acetone	4.453	43	38066	17.095	ug/l	97
18) Methyl Acetate	5.053	43	25953	3.999	ug/l	97
20) Methylene Chloride	5.312	84	6798	1.631	ug/l #	88
25) 2-Butanone	7.500	43	5435	1.502	ug/l #	84
31) Cyclohexane	8.235	56	5008	0.735	ug/l #	1
36) 1,1-Dichloropropene	8.229	75	23191	4.169	ug/l #	47
37) Ethyl Acetate	7.571	43	17815	2.516	ug/l	94
38) Carbon Tetrachloride	8.229	117	29885	5.473	ug/l #	17
43) Isopropyl Acetate	8.700	43	12373	1.089	ug/l	95
45) 1,2-Dichloropropane	9.747	63	1659	0.375	ug/l #	43
48) Methyl methacrylate	9.747	41	89794	17.167	ug/l #	35
51) 4-Methyl-2-Pentanone	10.359	43	109228	15.966	ug/l #	45
54) cis-1,3-Dichloropropene	10.359	75	71029	9.817	ug/l #	54
57) 1,3-Dichloropropane	11.212	76	4983	0.672	ug/l #	43
59) 2-Hexanone	11.212	43	49052	11.131	ug/l #	52
74) N-amyl acetate	12.370	43	5544	0.806	ug/l #	41
76) 1,2,3-Trichloropropane	12.847	75	125788	19.586	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	125788	45.086	ug/l #	16

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

Quant Time: Jun 18 01:47:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
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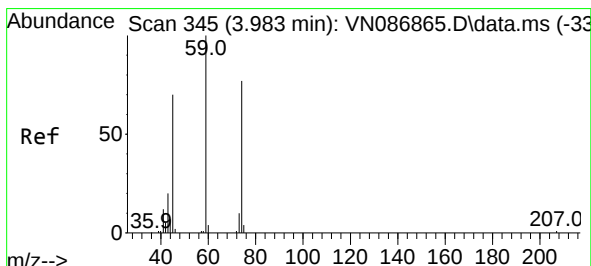
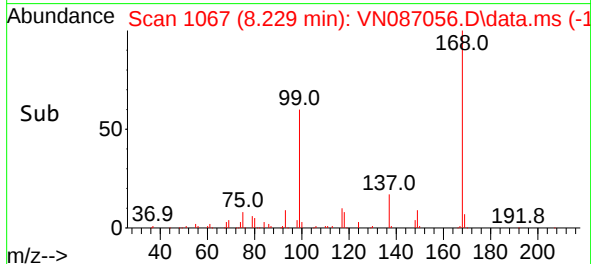
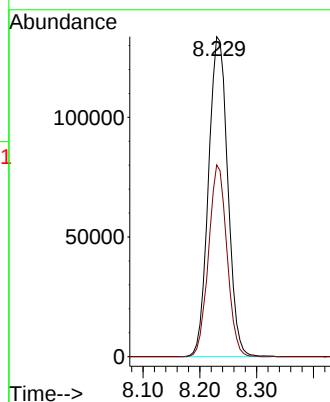
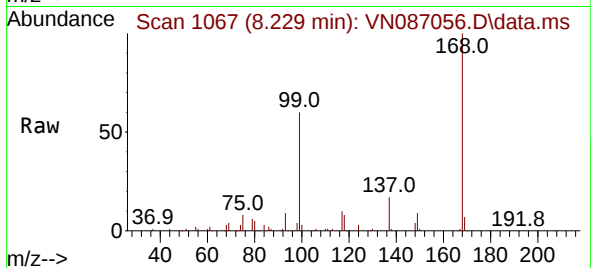




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.007 min
Lab File: VN087056.D
Acq: 17 Jun 2025 14:00

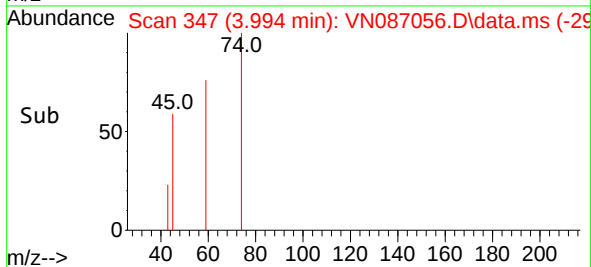
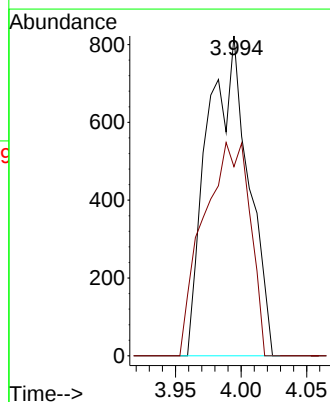
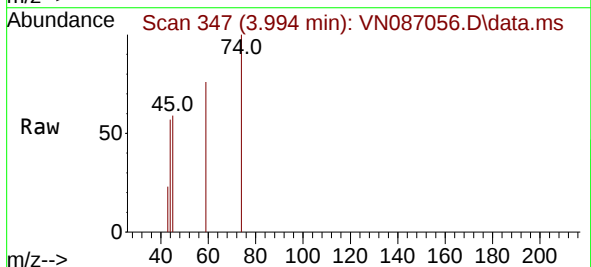
Instrument :
MSVOA_N
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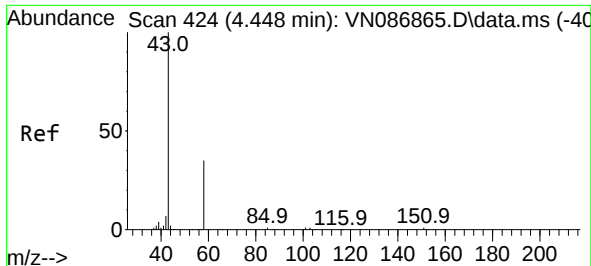
Tgt Ion:168 Resp: 313622
Ion Ratio Lower Upper
168 100
99 60.0 49.1 73.7



#8
Diethyl Ether
Concen: 0.757 ug/l
RT: 3.994 min Scan# 347
Delta R.T. 0.012 min
Lab File: VN087056.D
Acq: 17 Jun 2025 14:00

Tgt Ion: 74 Resp: 1795
Ion Ratio Lower Upper
74 100
45 75.2 45.5 136.5

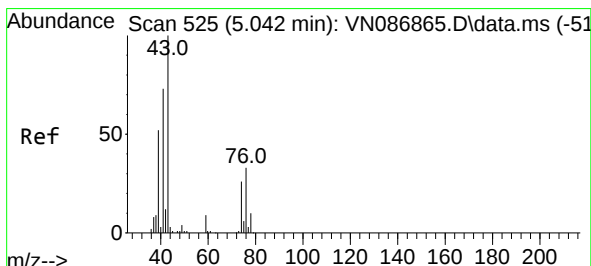
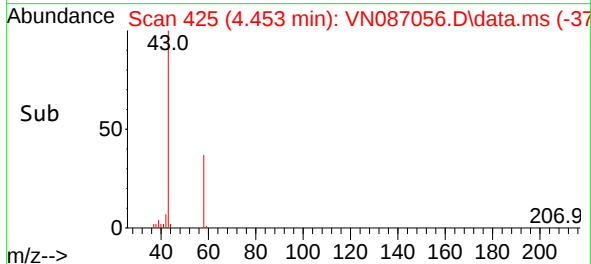
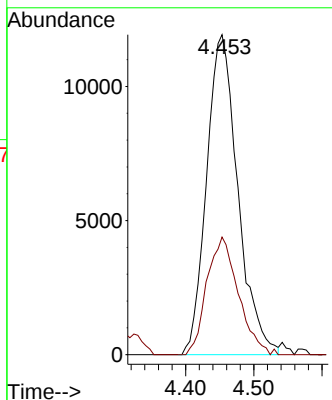
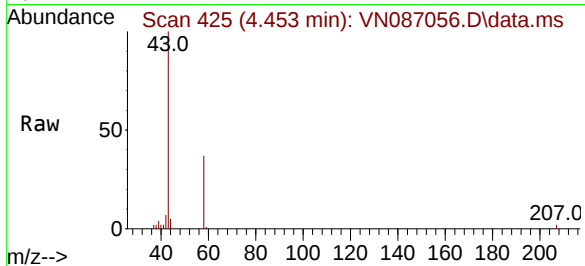




#16
Acetone
Concen: 17.095 ug/l
RT: 4.453 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN087056.D
Acq: 17 Jun 2025 14:00

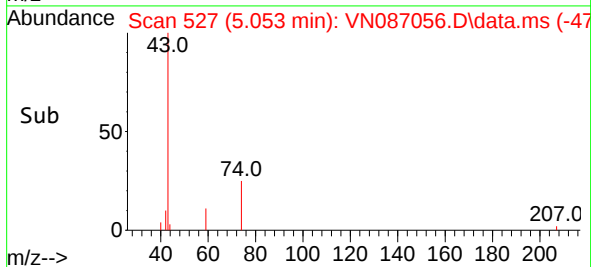
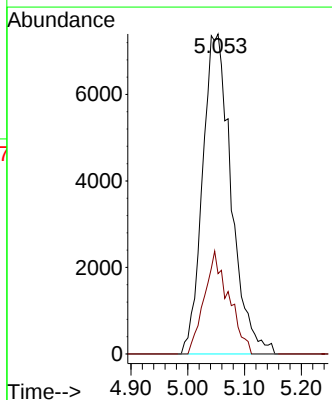
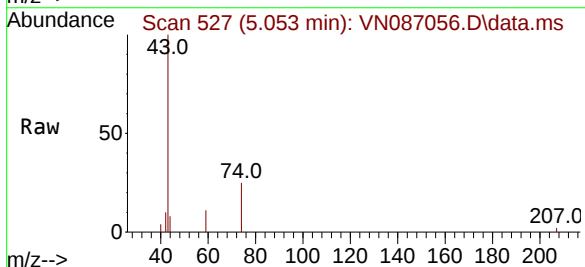
Instrument :
MSVOA_N
ClientSampleId :
PB168498TB

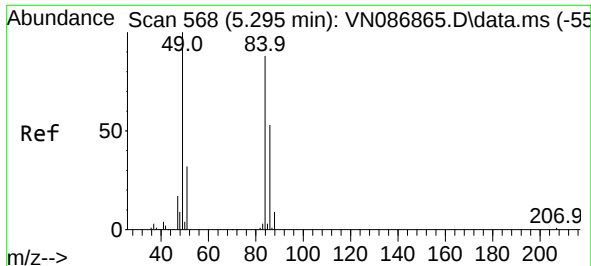
Tgt Ion: 43 Resp: 38066
Ion Ratio Lower Upper
43 100
58 36.7 28.0 42.0



#18
Methyl Acetate
Concen: 3.999 ug/l
RT: 5.053 min Scan# 527
Delta R.T. 0.012 min
Lab File: VN087056.D
Acq: 17 Jun 2025 14:00

Tgt Ion: 43 Resp: 25953
Ion Ratio Lower Upper
43 100
74 27.5 20.7 31.1





#20

Methylene Chloride

Concen: 1.631 ug/l

RT: 5.312 min Scan# 51

Delta R.T. 0.017 min

Lab File: VN087056.D

Acq: 17 Jun 2025 14:00

Instrument :

MSVOA_N

ClientSampleId :

PB168498TB

Tgt Ion: 84 Resp: 6798

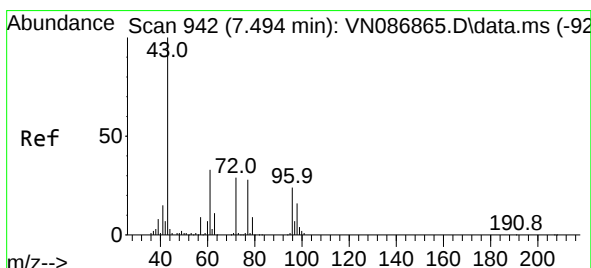
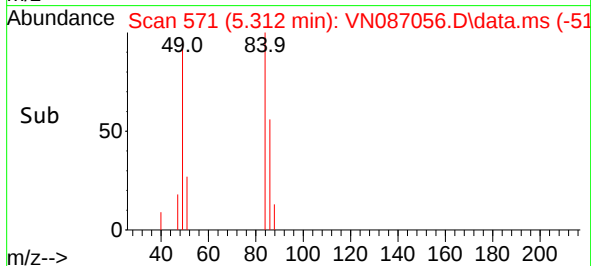
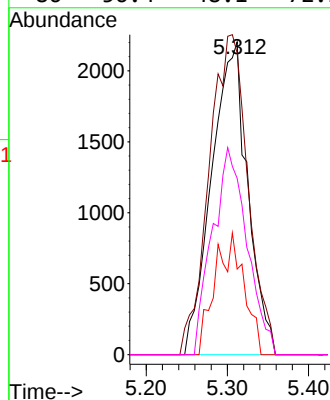
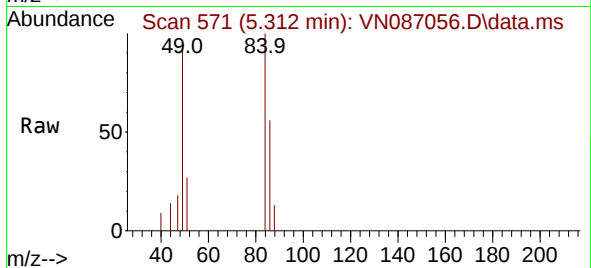
Ion Ratio Lower Upper

84 100

49 96.4 90.5 135.7

51 27.4 28.5 42.7#

86 56.4 48.1 72.1



#25

2-Butanone

Concen: 1.502 ug/l

RT: 7.500 min Scan# 943

Delta R.T. 0.006 min

Lab File: VN087056.D

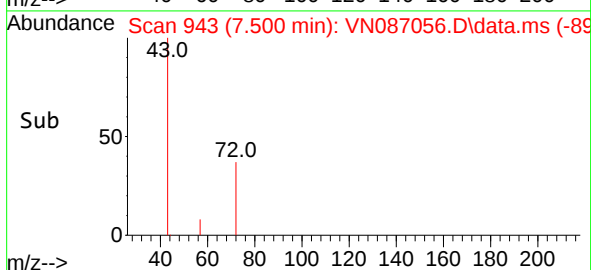
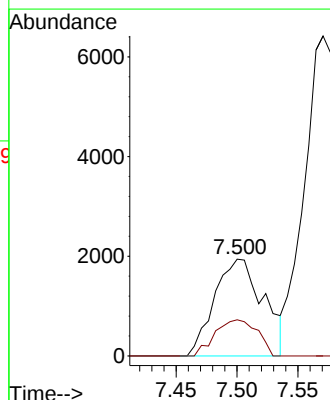
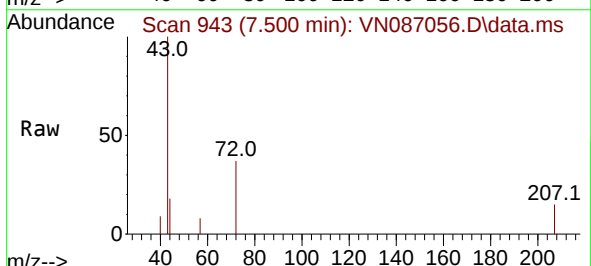
Acq: 17 Jun 2025 14:00

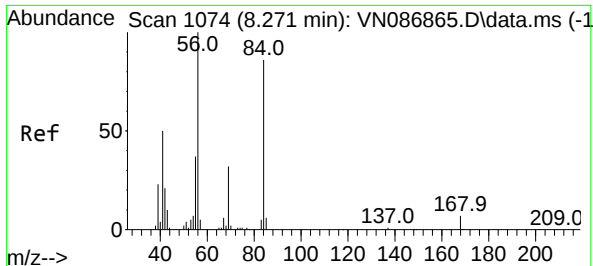
Tgt Ion: 43 Resp: 5435

Ion Ratio Lower Upper

43 100

72 37.4 23.0 34.6#

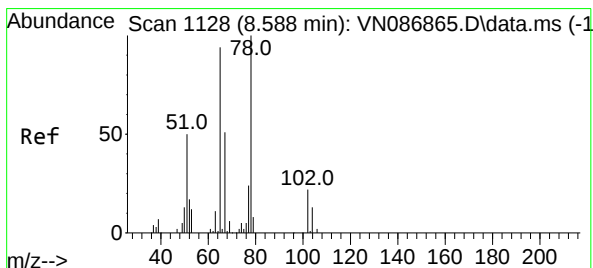
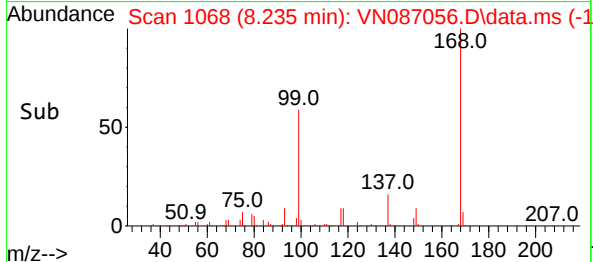
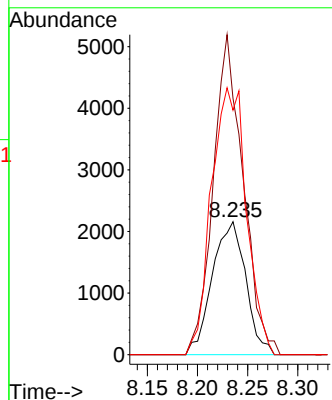
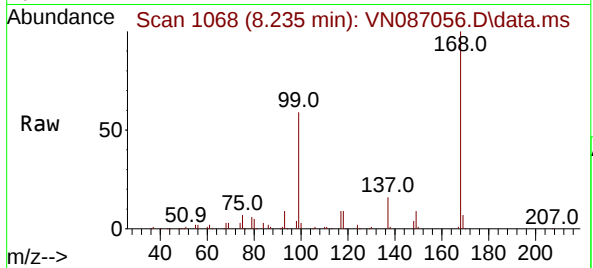




#31
Cyclohexane
Concen: 0.735 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.036 min
Lab File: VN087056.D
Acq: 17 Jun 2025 14:00

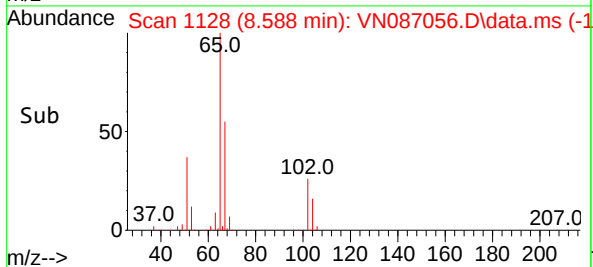
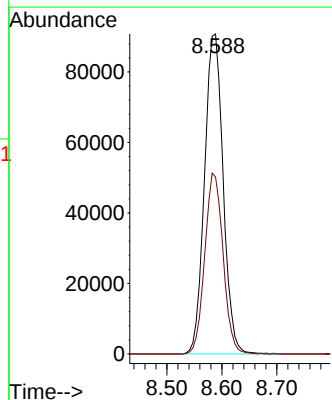
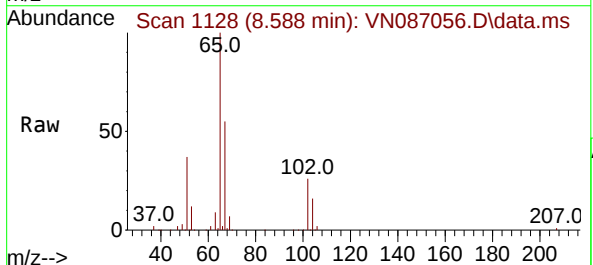
Instrument :
MSVOA_N
ClientSampleId :
PB168498TB

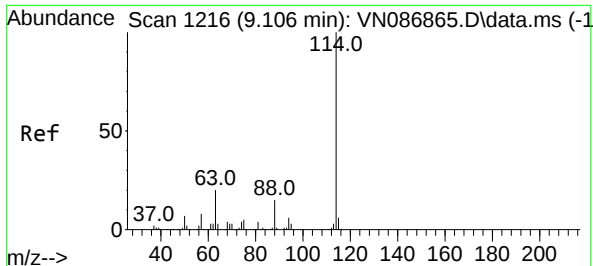
Tgt Ion: 56 Resp: 5008
Ion Ratio Lower Upper
56 100
69 192.7 25.4 38.0#
84 183.8 68.8 103.2#



#33
1,2-Dichloroethane-d4
Concen: 51.007 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. -0.000 min
Lab File: VN087056.D
Acq: 17 Jun 2025 14:00

Tgt Ion: 65 Resp: 214180
Ion Ratio Lower Upper
65 100
67 55.3 0.0 105.6

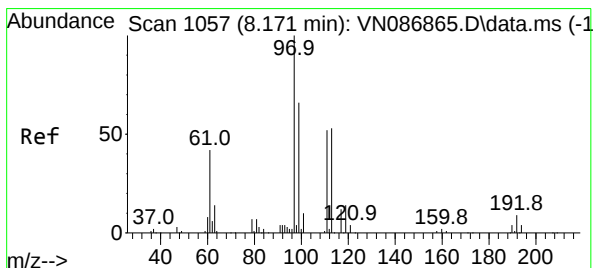
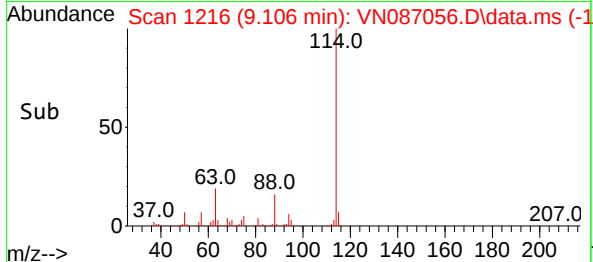
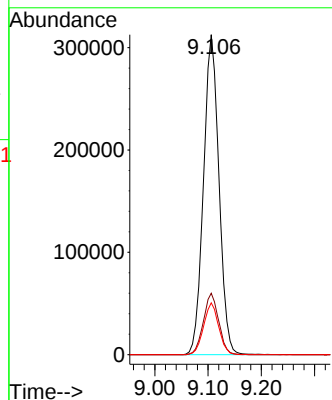
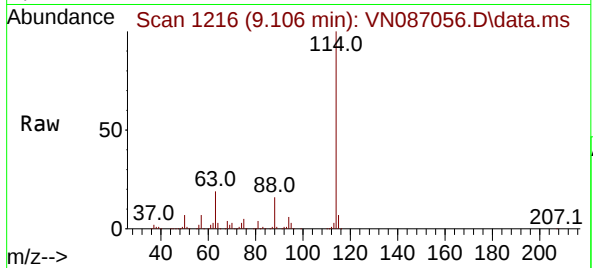




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN087056.D
Acq: 17 Jun 2025 14:00

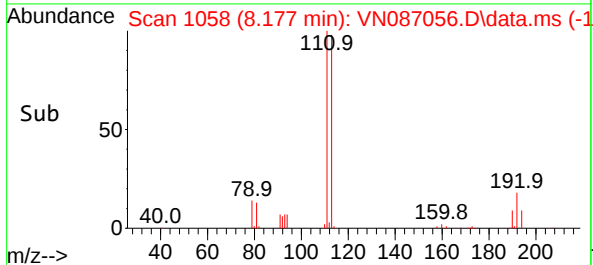
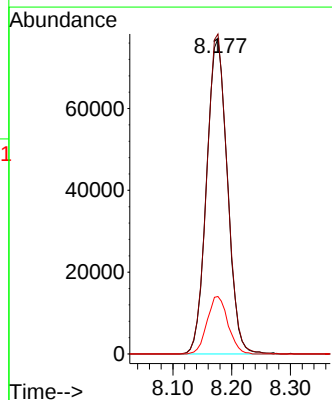
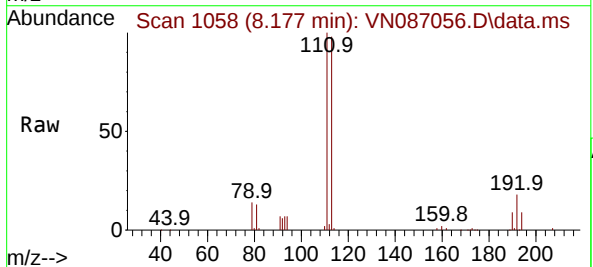
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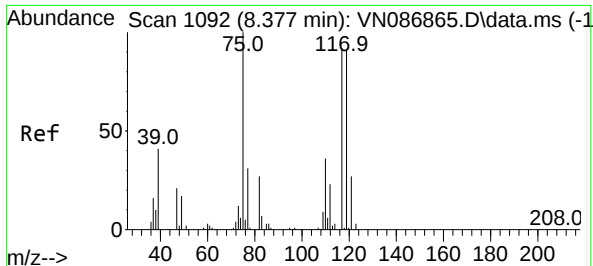
Tgt Ion:114 Resp: 629864
Ion Ratio Lower Upper
114 100
63 19.2 0.0 39.6
88 16.2 0.0 30.2



#35
Dibromofluoromethane
Concen: 50.775 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. 0.006 min
Lab File: VN087056.D
Acq: 17 Jun 2025 14:00

Tgt Ion:113 Resp: 189529
Ion Ratio Lower Upper
113 100
111 100.7 84.2 126.2
192 18.3 14.2 21.4





#36

1,1-Dichloropropene

Concen: 4.169 ug/l

RT: 8.229 min Scan# 1067

Delta R.T. -0.147 min

Lab File: VN087056.D

Acq: 17 Jun 2025 14:00

Instrument :

MSVOA_N

ClientSampleId :

PB168498TB

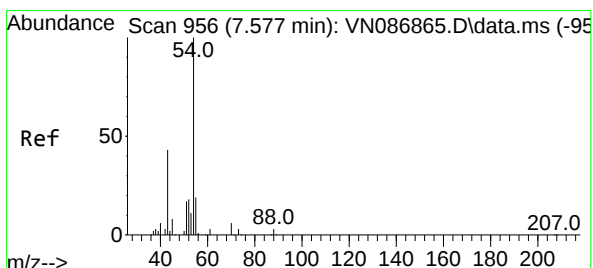
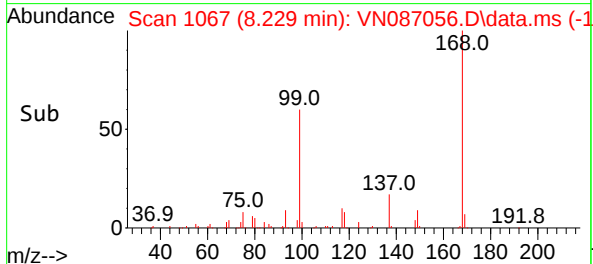
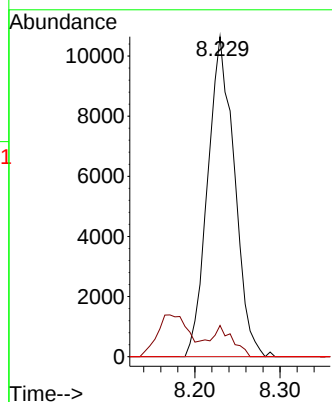
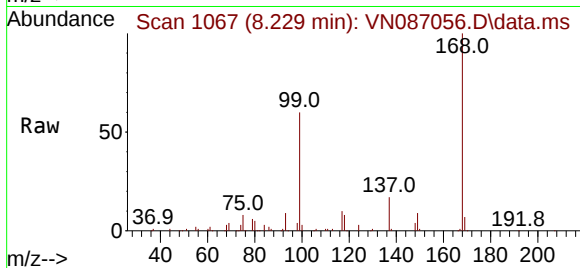
Tgt Ion: 75 Resp: 23191

Ion Ratio Lower Upper

75 100

110 6.4 17.6 52.9#

77 0.0 25.3 37.9#



#37

Ethyl Acetate

Concen: 2.516 ug/l

RT: 7.571 min Scan# 955

Delta R.T. -0.006 min

Lab File: VN087056.D

Acq: 17 Jun 2025 14:00

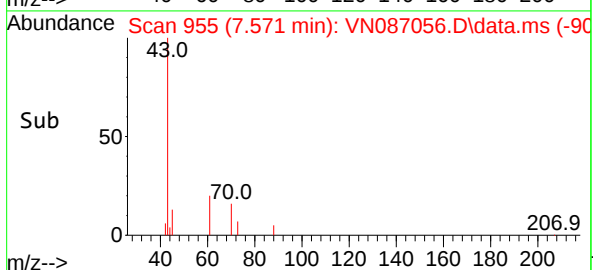
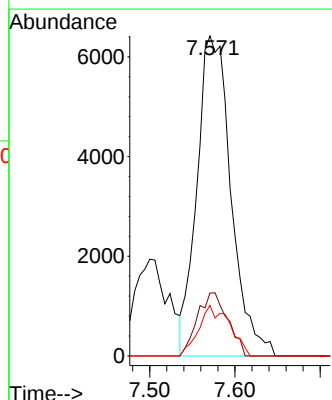
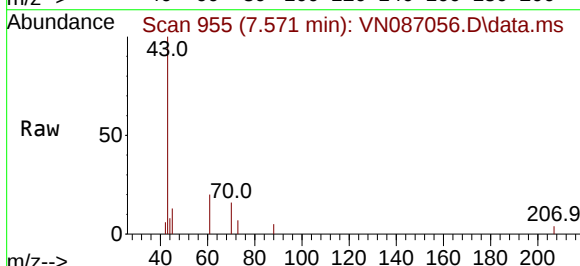
Tgt Ion: 43 Resp: 17815

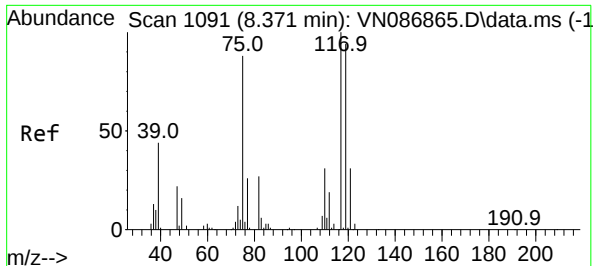
Ion Ratio Lower Upper

43 100

61 17.6 12.1 18.1

70 14.3 9.8 14.6

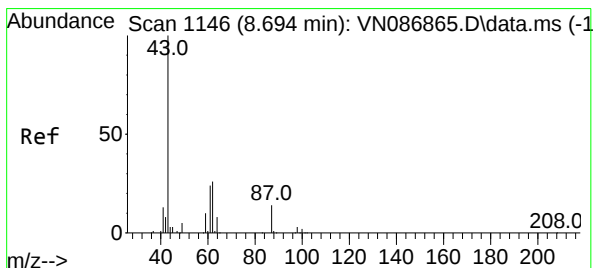
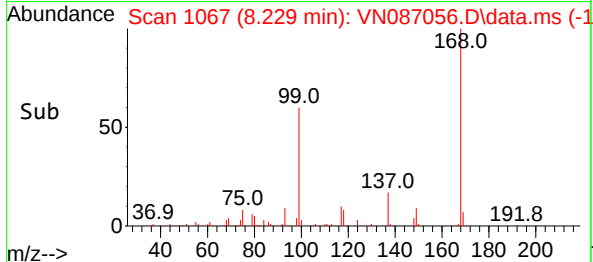
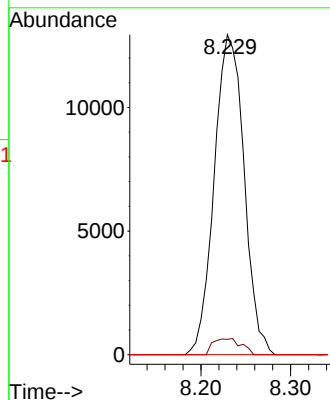
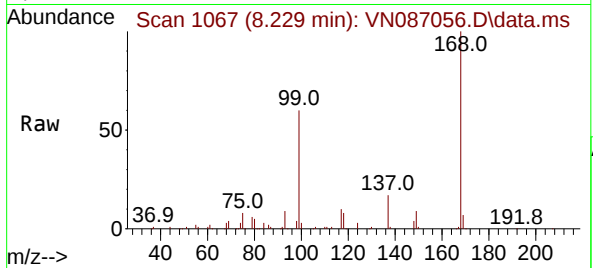




#38
Carbon Tetrachloride
Concen: 5.473 ug/l
RT: 8.229 min Scan# 1107
Delta R.T. -0.141 min
Lab File: VN087056.D
Acq: 17 Jun 2025 14:00

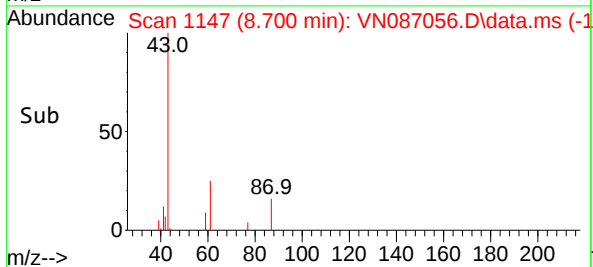
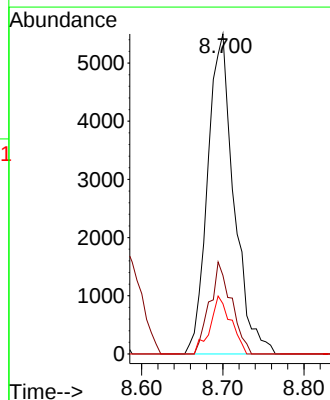
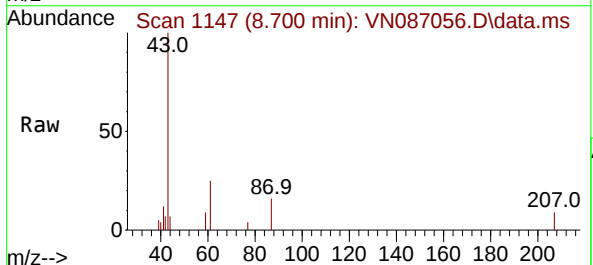
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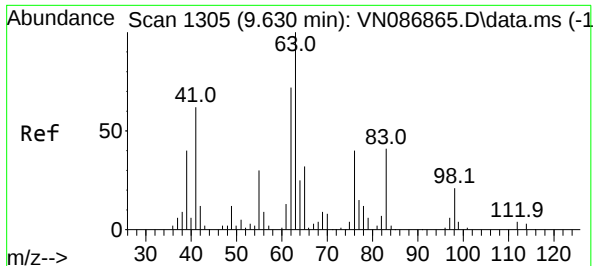
Tgt Ion:117 Resp: 29885
Ion Ratio Lower Upper
117 100
119 4.8 75.0 112.6#
121 0.0 24.9 37.3#



#43
Isopropyl Acetate
Concen: 1.089 ug/l
RT: 8.700 min Scan# 1147
Delta R.T. 0.006 min
Lab File: VN087056.D
Acq: 17 Jun 2025 14:00

Tgt Ion: 43 Resp: 12373
Ion Ratio Lower Upper
43 100
61 23.9 22.1 33.1
87 14.3 11.8 17.6





#45

1,2-Dichloropropane

Concen: 0.375 ug/l

RT: 9.747 min Scan# 1325

Delta R.T. 0.117 min

Lab File: VN087056.D

Acq: 17 Jun 2025 14:00

Instrument :

MSVOA_N

ClientSampleId :

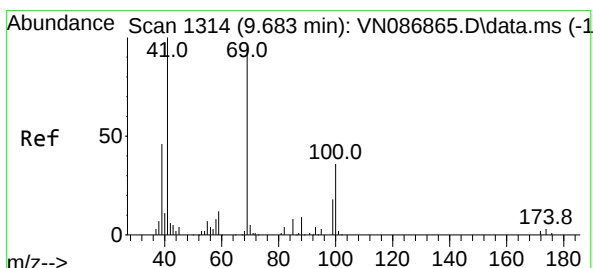
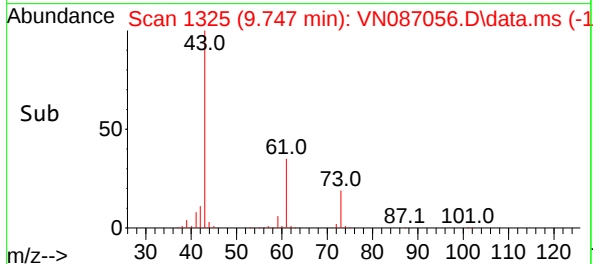
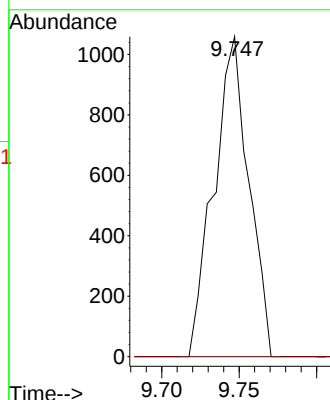
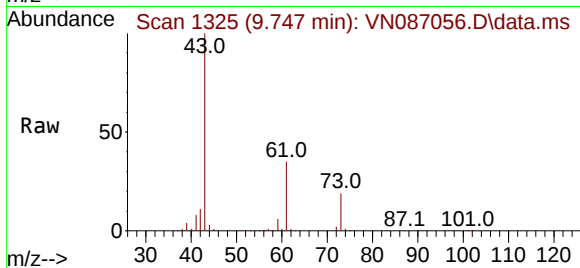
PB168498TB

Tgt Ion: 63 Resp: 1659

Ion Ratio Lower Upper

63 100

65 0.0 25.5 38.3#



#48

Methyl methacrylate

Concen: 17.167 ug/l

RT: 9.747 min Scan# 1325

Delta R.T. 0.064 min

Lab File: VN087056.D

Acq: 17 Jun 2025 14:00

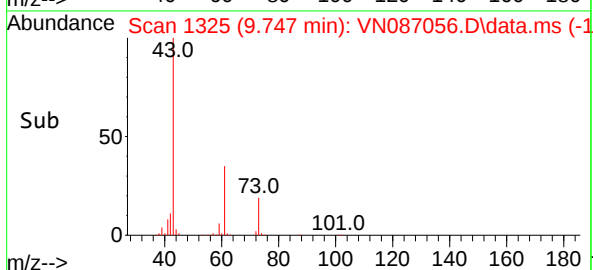
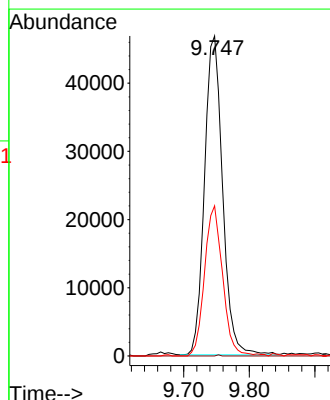
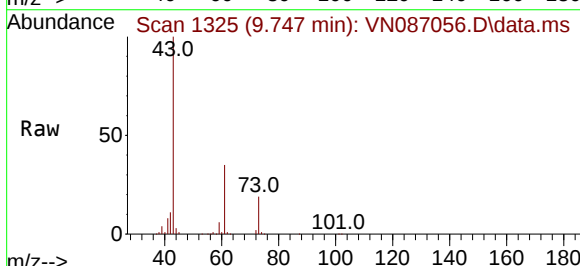
Tgt Ion: 41 Resp: 89794

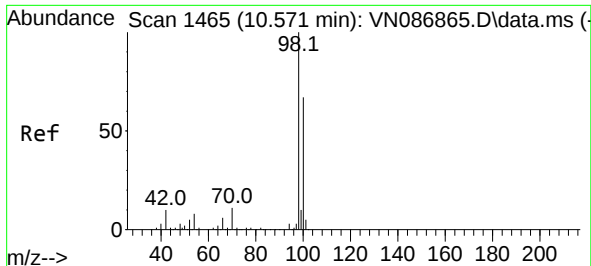
Ion Ratio Lower Upper

41 100

69 0.1 74.6 112.0#

39 47.1 40.2 60.4

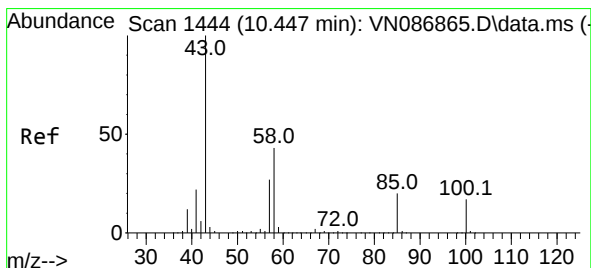
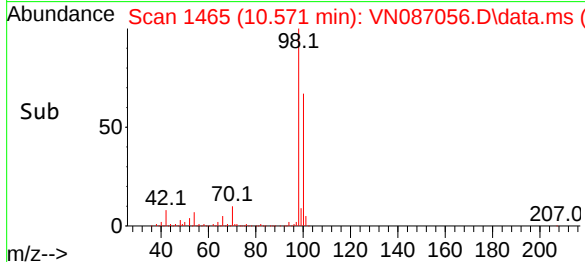
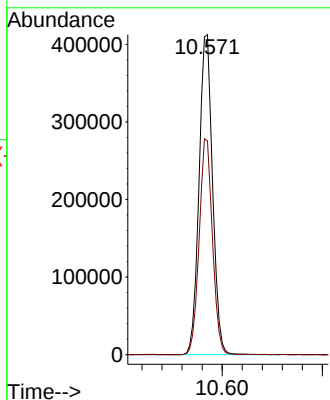
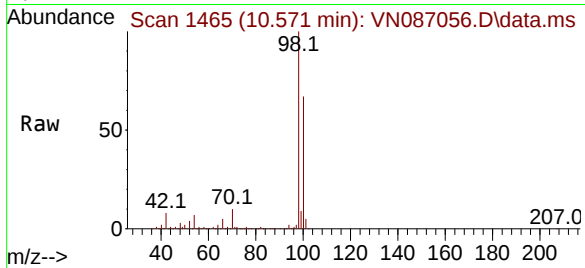




#50
Toluene-d8
Concen: 52.166 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN087056.D
Acq: 17 Jun 2025 14:00

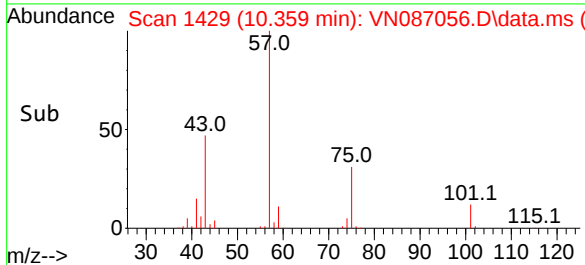
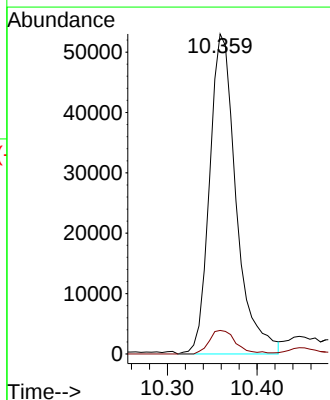
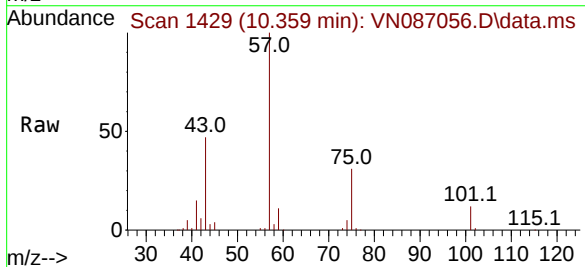
Instrument :
MSVOA_N
ClientSampleId :
PB168498TB

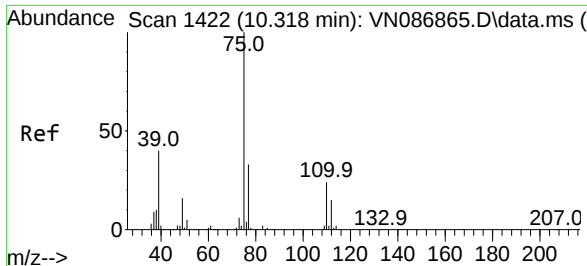
Tgt Ion: 98 Resp: 770845
Ion Ratio Lower Upper
98 100
100 66.5 53.4 80.0



#51
4-Methyl-2-Pentanone
Concen: 15.966 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. -0.088 min
Lab File: VN087056.D
Acq: 17 Jun 2025 14:00

Tgt Ion: 43 Resp: 109228
Ion Ratio Lower Upper
43 100
58 7.4 34.2 51.4#

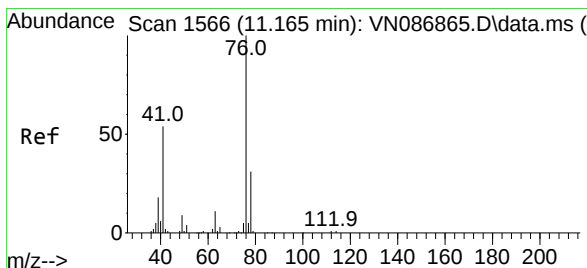
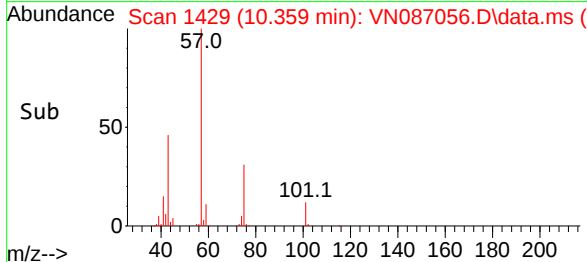
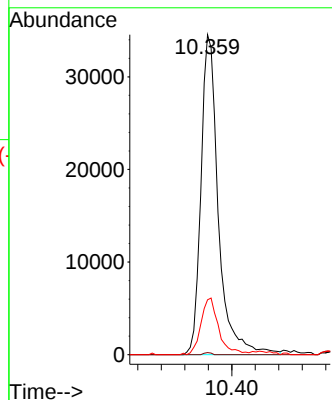
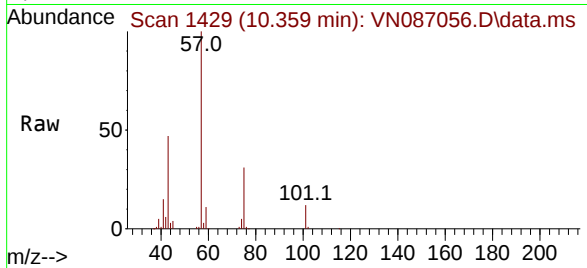




#54
cis-1,3-Dichloropropene
Concen: 9.817 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.041 min
Lab File: VN087056.D
Acq: 17 Jun 2025 14:00

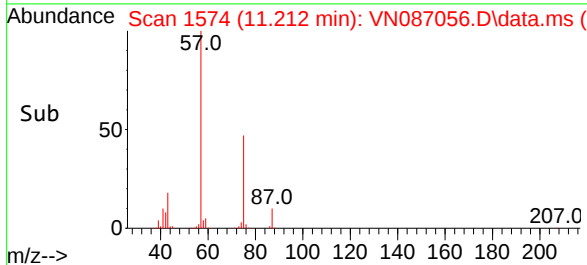
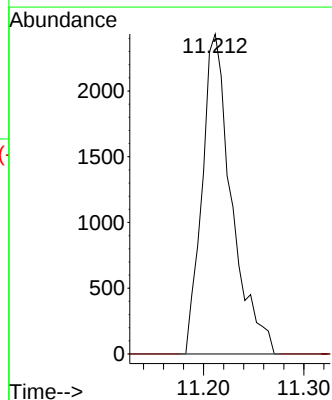
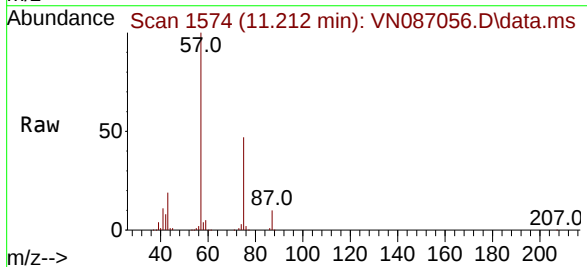
Instrument :
MSVOA_N
ClientSampleId :
PB168498TB

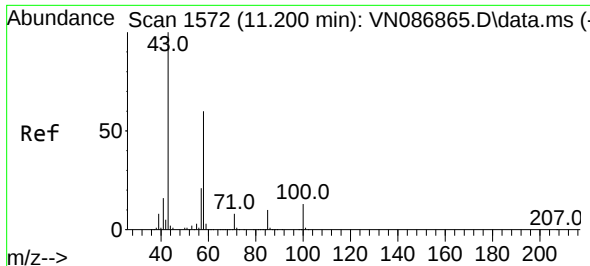
Tgt Ion: 75 Resp: 71029
Ion Ratio Lower Upper
75 100
77 0.7 26.2 39.4#
39 17.2 32.3 48.5#



#57
1,3-Dichloropropane
Concen: 0.672 ug/l
RT: 11.212 min Scan# 1574
Delta R.T. 0.047 min
Lab File: VN087056.D
Acq: 17 Jun 2025 14:00

Tgt Ion: 76 Resp: 4983
Ion Ratio Lower Upper
76 100
78 0.0 25.3 37.9#

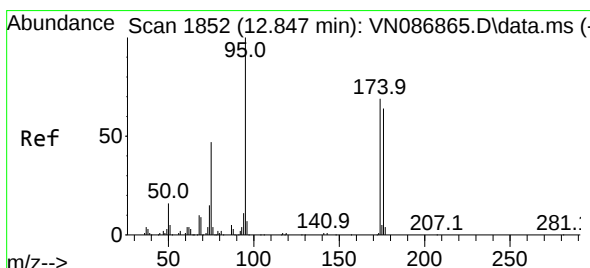
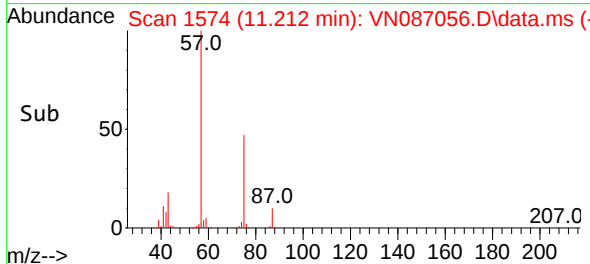
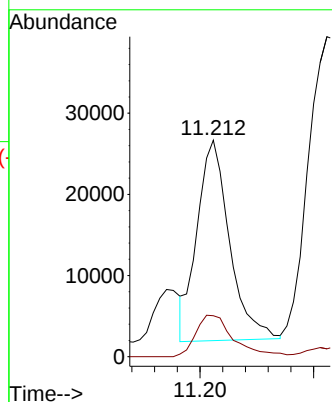
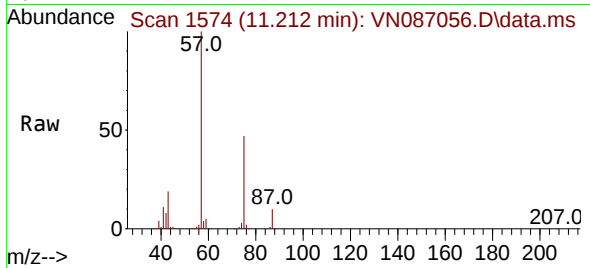




#59
2-Hexanone
Concen: 11.131 ug/l
RT: 11.212 min Scan# 1574
Delta R.T. 0.012 min
Lab File: VN087056.D
Acq: 17 Jun 2025 14:00

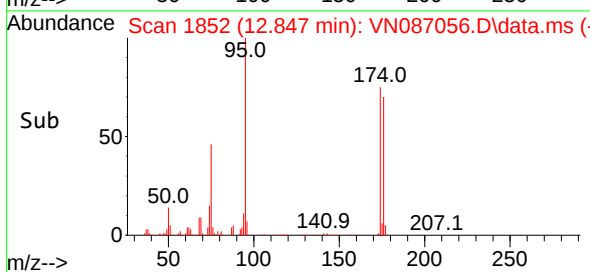
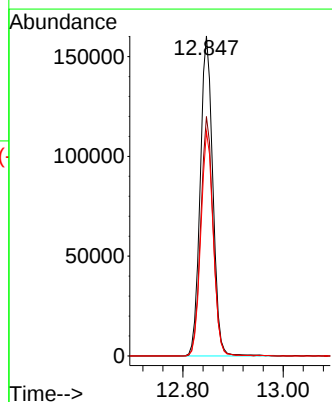
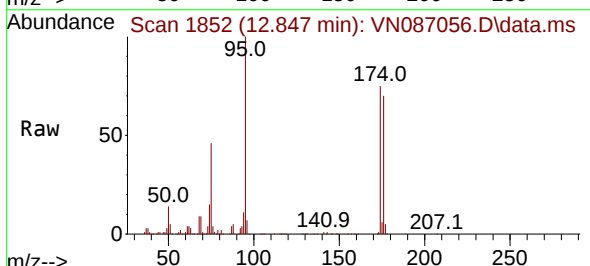
Instrument :
MSVOA_N
ClientSampleId :
PB168498TB

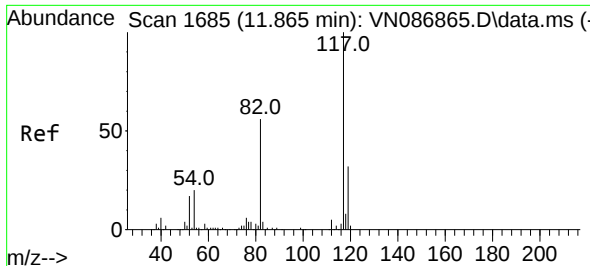
Tgt Ion: 43 Resp: 49052
Ion Ratio Lower Upper
43 100
58 24.2 30.4 91.3#



#62
4-Bromofluorobenzene
Concen: 50.740 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN087056.D
Acq: 17 Jun 2025 14:00

Tgt Ion: 95 Resp: 278567
Ion Ratio Lower Upper
95 100
174 73.7 0.0 141.8
176 69.2 0.0 132.6

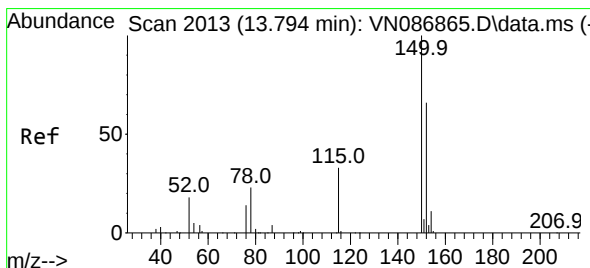
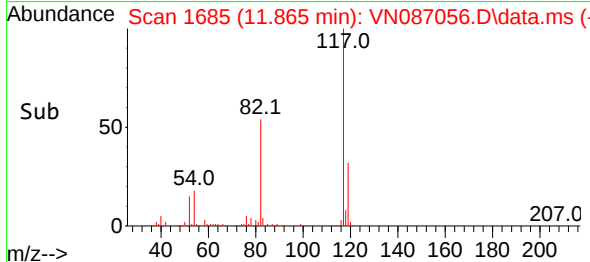
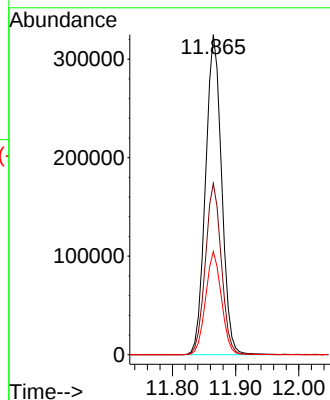
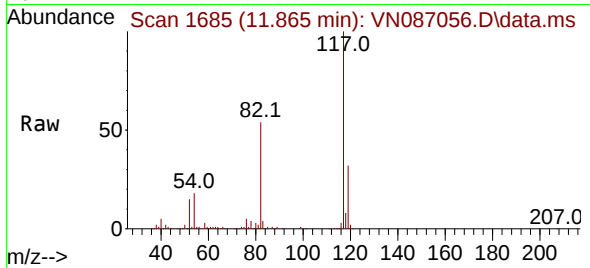




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN087056.D
Acq: 17 Jun 2025 14:00

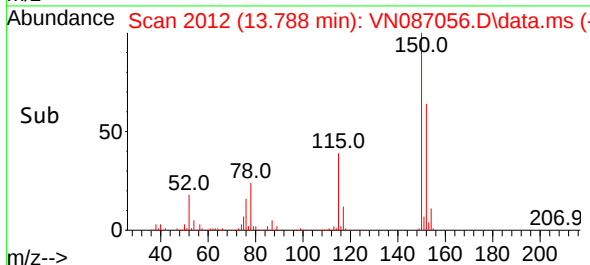
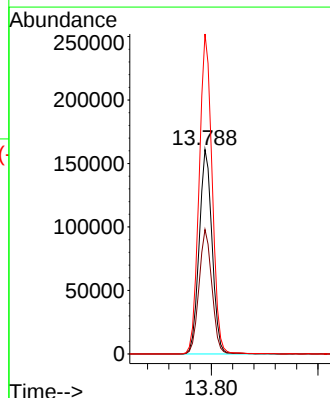
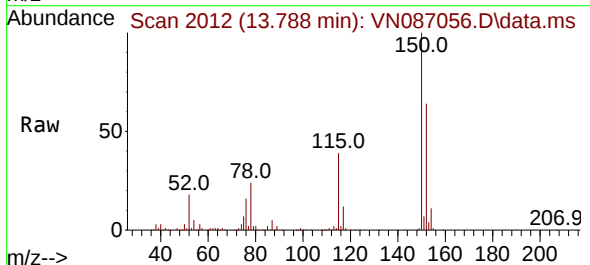
Instrument :
MSVOA_N
ClientSampleId :
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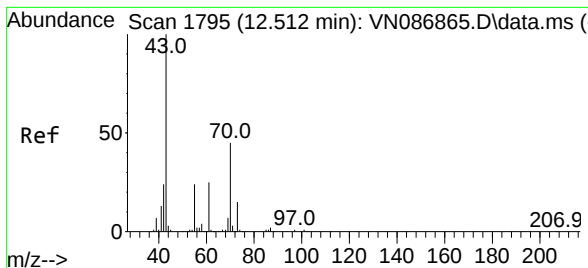
Tgt Ion:117 Resp: 574504
Ion Ratio Lower Upper
117 100
82 53.5 44.6 67.0
119 32.2 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.006 min
Lab File: VN087056.D
Acq: 17 Jun 2025 14:00

Tgt Ion:152 Resp: 270183
Ion Ratio Lower Upper
152 100
115 61.1 30.1 90.5
150 157.6 0.0 345.0

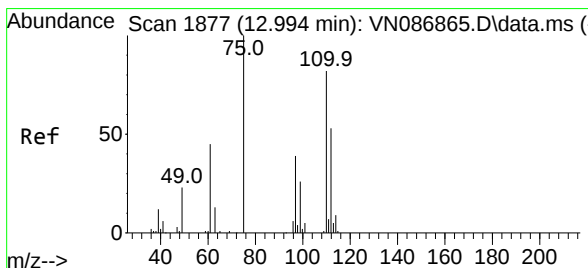
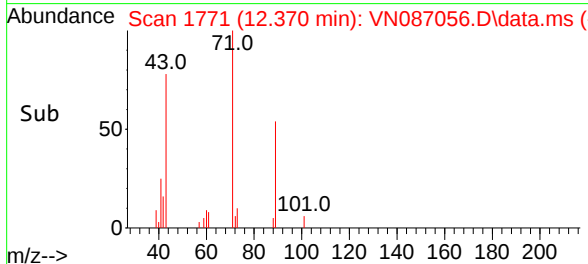
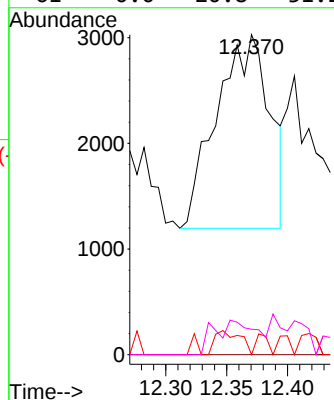
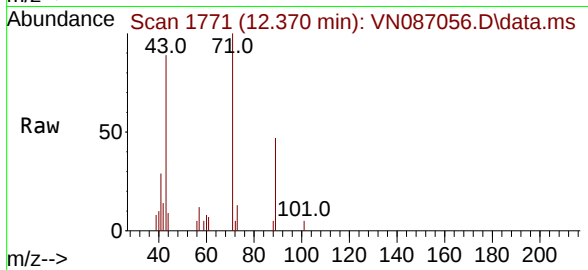




#74
N-amy1 acetate
Concen: 0.806 ug/l
RT: 12.370 min Scan# 11
Delta R.T. -0.141 min
Lab File: VN087056.D
Acq: 17 Jun 2025 14:00

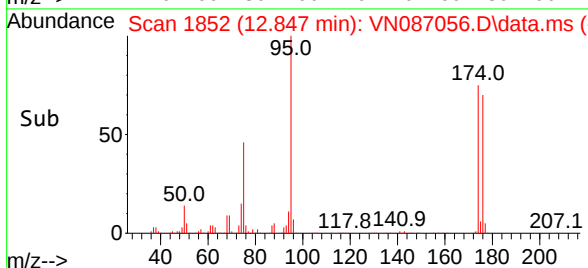
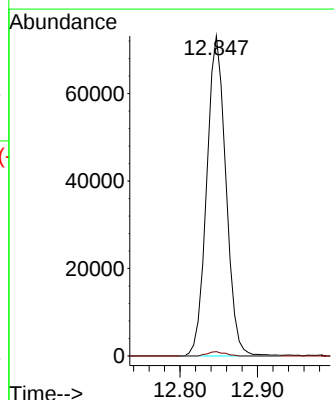
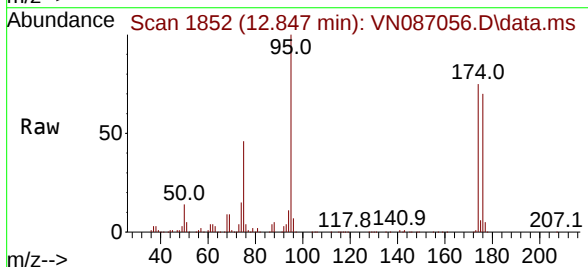
Instrument :
MSVOA_N
ClientSampleId :
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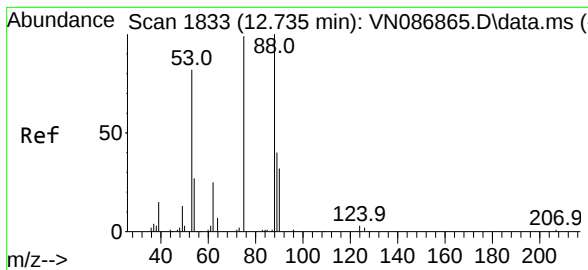
Tgt Ion: 43	Resp: 5544
Ion Ratio	Lower Upper
43	100
70	0.0 37.6 56.4#
55	2.3 19.0 28.6#
61	0.0 20.8 31.2#



#76
1,2,3-Trichloropropane
Concen: 19.586 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN087056.D
Acq: 17 Jun 2025 14:00

Tgt Ion: 75	Resp: 125788
Ion Ratio	Lower Upper
75	100
77	1.2 79.3 237.9#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 45.086 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN087056.D
 Acq: 17 Jun 2025 14:00

Instrument :
 MSVOA_N
 ClientSampleId :
 PB168498TB

Tgt Ion: 75 Resp: 125788
 Ion Ratio Lower Upper
 75 100
 53 0.0 66.6 99.8#
 89 0.0 36.7 55.1#

