

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061925\
 Data File : VN087112.D
 Acq On : 19 Jun 2025 15:24
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

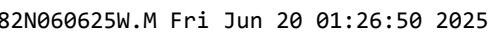
Quant Time: Jun 20 01:26:41 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 07 02:12:50 2025
 Response via : Initial Calibration

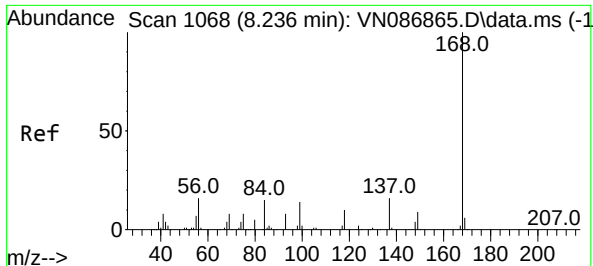
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.230	168	259008	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	504715	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	444903	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	216055	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	169566	48.897	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	=	97.800%	
35) Dibromofluoromethane	8.177	113	148921	49.789	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	=	99.580%	
50) Toluene-d8	10.565	98	614052	51.859	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	=	103.720%	
62) 4-Bromofluorobenzene	12.847	95	215954	49.089	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	=	98.180%	
Target Compounds						
					Qvalue	
31) Cyclohexane	8.230	56	4358	0.775	ug/l #	1
36) 1,1-Dichloropropene	8.230	75	18760	4.209	ug/l #	48
38) Carbon Tetrachloride	8.230	117	25543	5.837	ug/l #	18
51) 4-Methyl-2-Pentanone	10.571	43	2136	0.390	ug/l #	1
67) Ethyl Benzene	11.965	91	16054	0.950	ug/l	95
68) m/p-Xylenes	12.076	106	4606	0.712	ug/l	97
69) o-Xylene	12.400	106	1420	0.229	ug/l	99
71) Bromoform	12.847	173	1102	0.472	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	98572	19.193	ug/l #	1
80) 1,3,5-Trimethylbenzene	13.129	105	4412	0.340	ug/l	76
81) trans-1,4-Dichloro-2-b...	12.847	75	98572	44.182	ug/l #	16
83) tert-Butylbenzene	13.482	119	2888	0.243	ug/l #	69
84) 1,2,4-Trimethylbenzene	13.482	105	21134	1.622	ug/l	99
85) sec-Butylbenzene	13.482	105	21134	1.223	ug/l #	56
95) Naphthalene	15.641	128	11557	0.713	ug/l	97

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

Quant Time: Jun 20 01:26:41 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

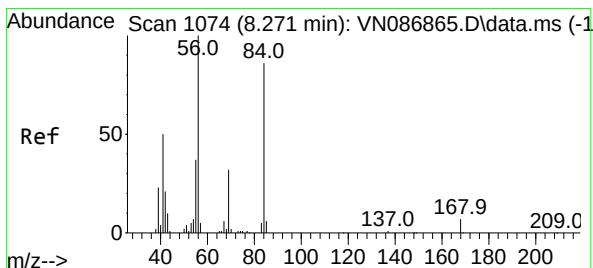
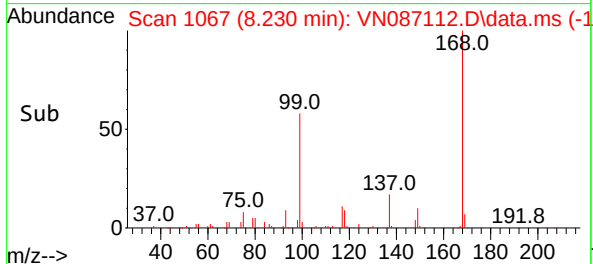
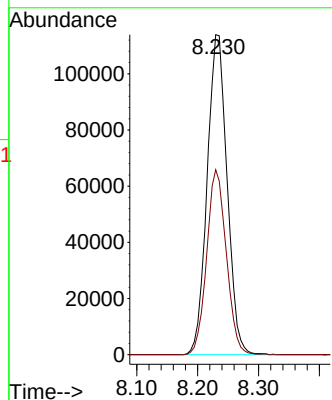
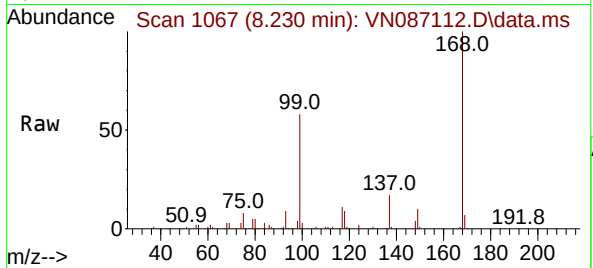




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.006 min
Lab File: VN087112.D
Acq: 19 Jun 2025 15:24

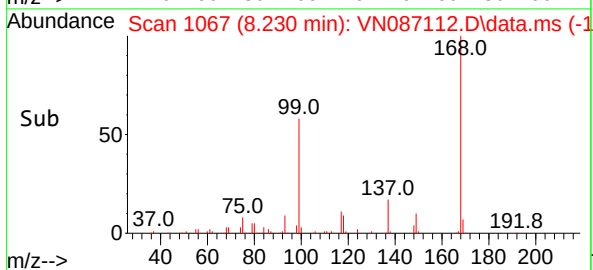
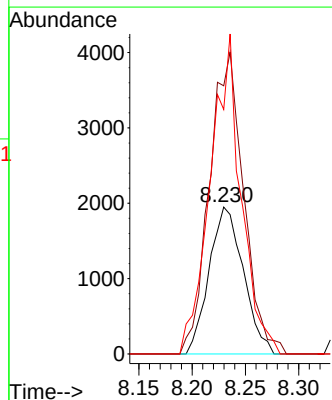
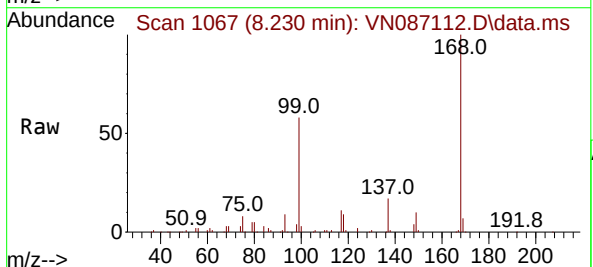
Instrument :
MSVOA_N
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IBLK

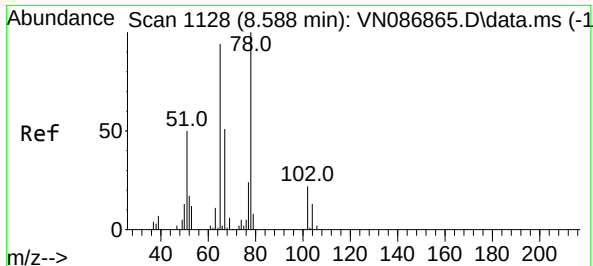
Tgt Ion:168 Resp: 259008
Ion Ratio Lower Upper
168 100
99 57.8 49.1 73.7



#31
Cyclohexane
Concen: 0.775 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.041 min
Lab File: VN087112.D
Acq: 19 Jun 2025 15:24

Tgt Ion: 56 Resp: 4358
Ion Ratio Lower Upper
56 100
69 182.7 25.4 38.0#
84 166.5 68.8 103.2#





#33

1,2-Dichloroethane-d4

Concen: 48.897 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. -0.006 min

Lab File: VN087112.D

Acq: 19 Jun 2025 15:24

Instrument :

MSVOA_N

ClientSampleId :

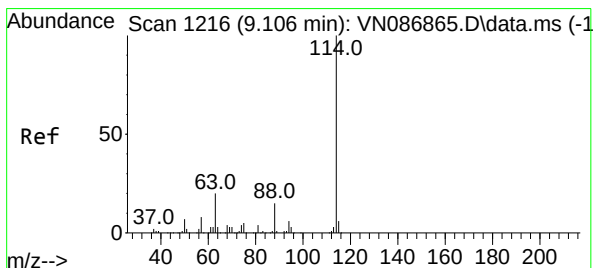
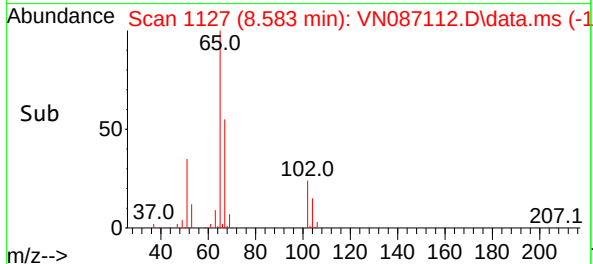
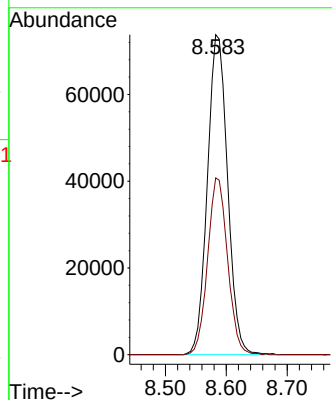
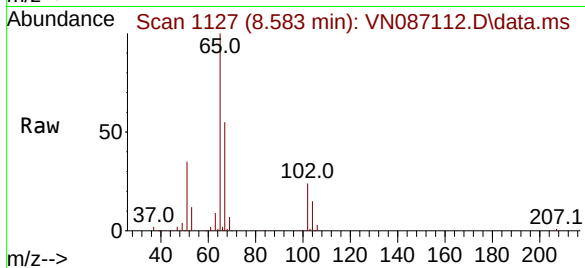
IBLK

Tgt Ion: 65 Resp: 169566

Ion Ratio Lower Upper

65 100

67 54.7 0.0 105.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. -0.000 min

Lab File: VN087112.D

Acq: 19 Jun 2025 15:24

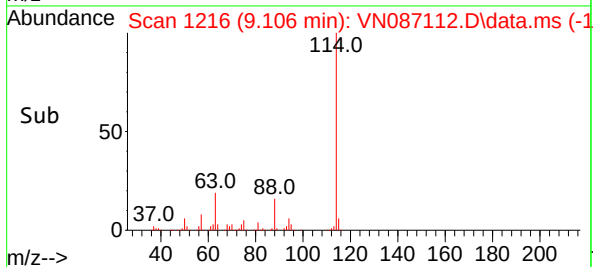
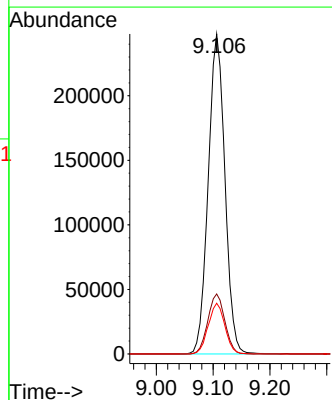
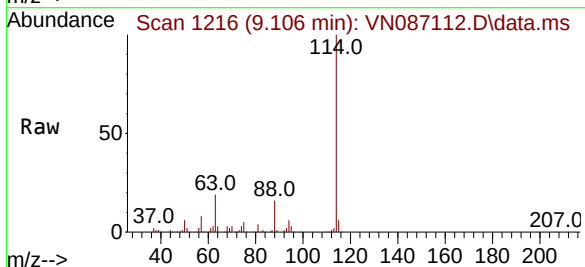
Tgt Ion: 114 Resp: 504715

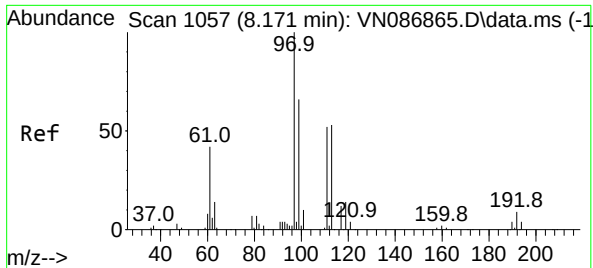
Ion Ratio Lower Upper

114 100

63 18.8 0.0 39.6

88 15.9 0.0 30.2

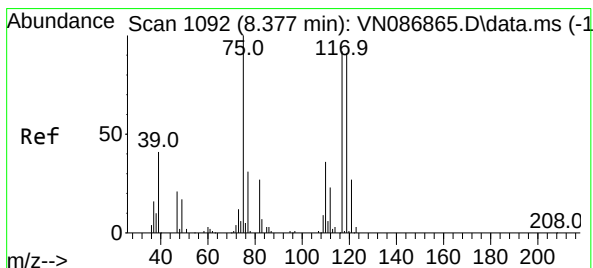
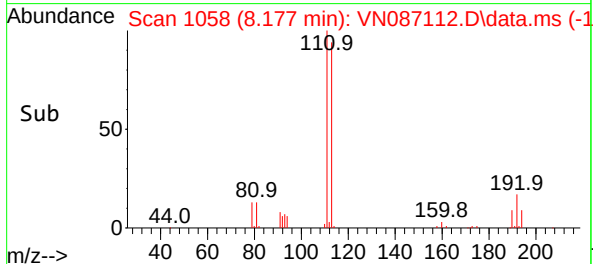
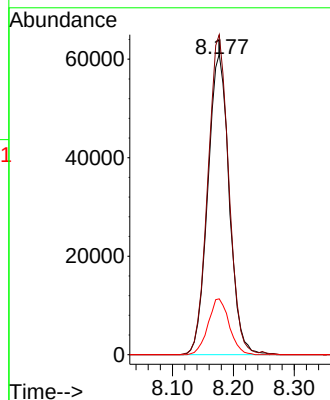
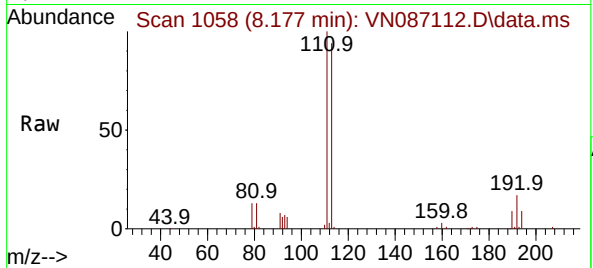




#35
Dibromofluoromethane
Concen: 49.789 ug/l
RT: 8.177 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VN087112.D
Acq: 19 Jun 2025 15:24

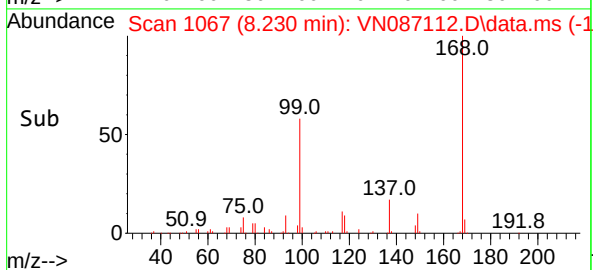
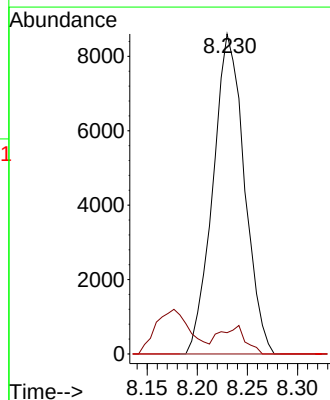
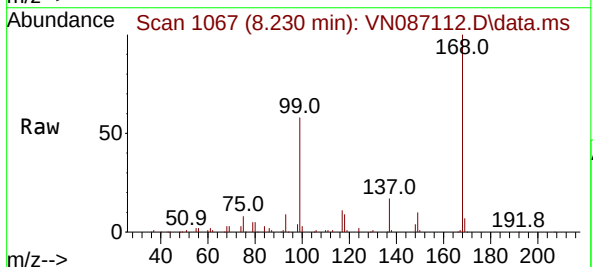
Instrument :
MSVOA_N
ClientSampleId :
IBLK

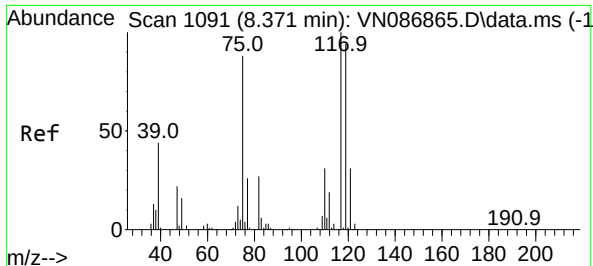
Tgt Ion:113 Resp: 148921
Ion Ratio Lower Upper
113 100
111 104.6 84.2 126.2
192 18.4 14.2 21.4



#36
1,1-Dichloropropene
Concen: 4.209 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.147 min
Lab File: VN087112.D
Acq: 19 Jun 2025 15:24

Tgt Ion: 75 Resp: 18760
Ion Ratio Lower Upper
75 100
110 7.2 17.6 52.9#
77 0.0 25.3 37.9#

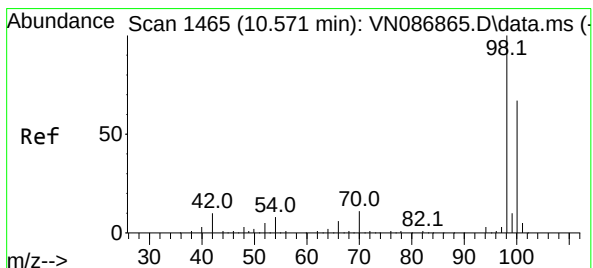
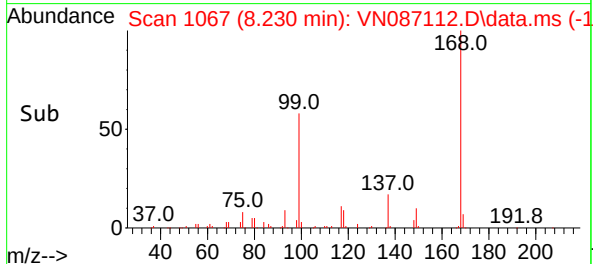
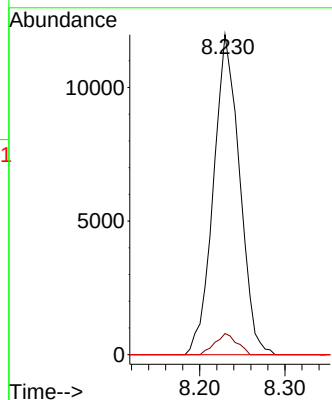
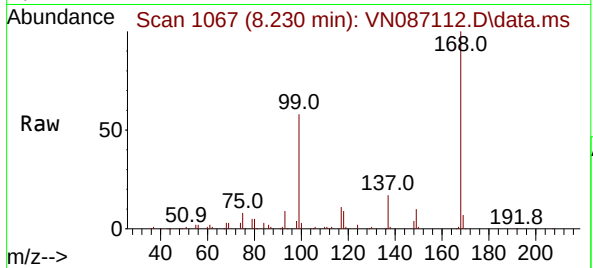




#38
Carbon Tetrachloride
Concen: 5.837 ug/l
RT: 8.230 min Scan# 1091
Delta R.T. -0.141 min
Lab File: VN087112.D
Acq: 19 Jun 2025 15:24

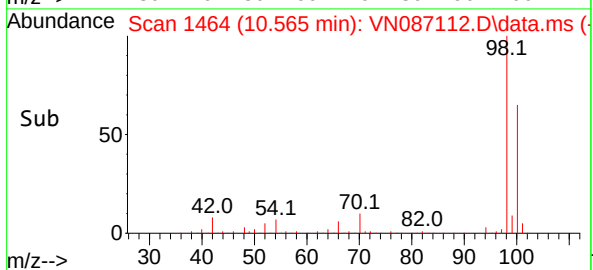
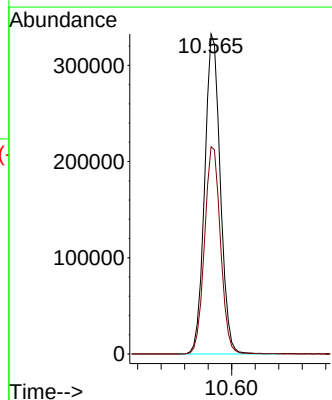
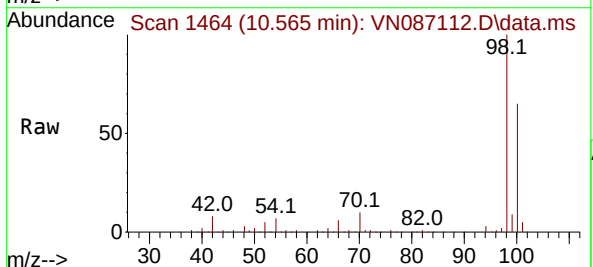
Instrument :
MSVOA_N
ClientSampleId :
IBLK

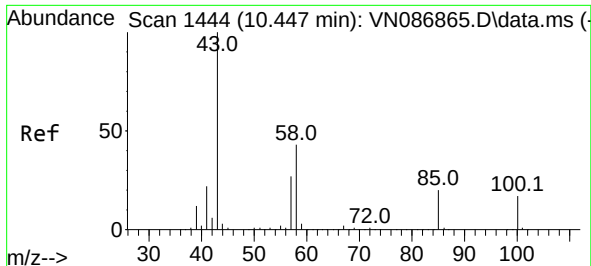
Tgt Ion:117 Resp: 25543
Ion Ratio Lower Upper
117 100
119 6.6 75.0 112.6#
121 0.0 24.9 37.3#



#50
Toluene-d8
Concen: 51.859 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VN087112.D
Acq: 19 Jun 2025 15:24

Tgt Ion: 98 Resp: 614052
Ion Ratio Lower Upper
98 100
100 66.2 53.4 80.0





#51

4-Methyl-2-Pentanone

Concen: 0.390 ug/l

RT: 10.571 min Scan# 1444

Delta R.T. 0.123 min

Lab File: VN087112.D

Acq: 19 Jun 2025 15:24

Instrument :

MSVOA_N

ClientSampleId :

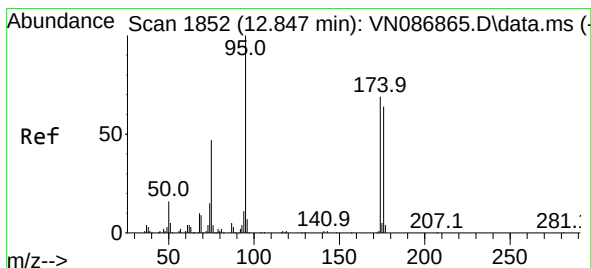
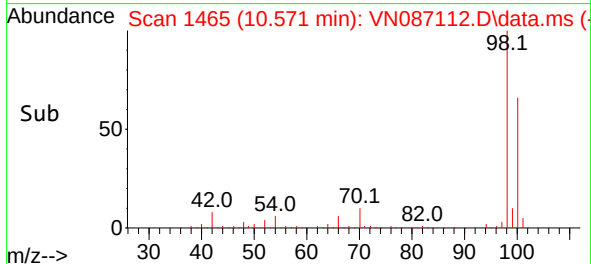
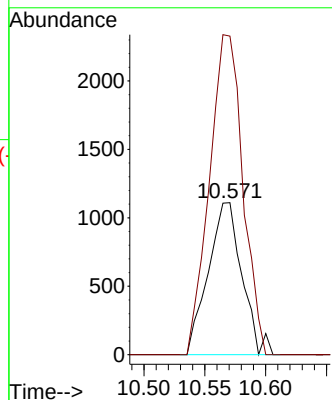
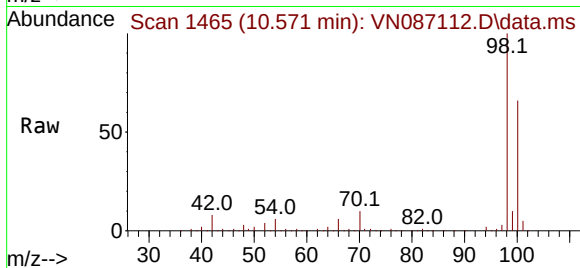
IBLK

Tgt Ion: 43 Resp: 2136

Ion Ratio Lower Upper

43 100

58 209.2 34.2 51.4#



#62

4-Bromofluorobenzene

Concen: 49.089 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.000 min

Lab File: VN087112.D

Acq: 19 Jun 2025 15:24

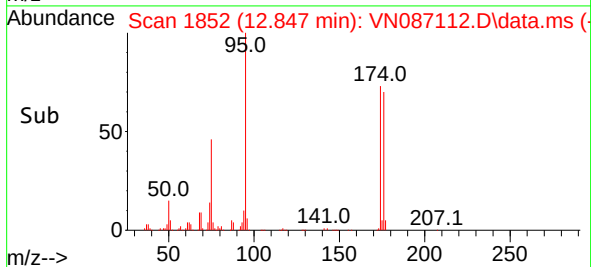
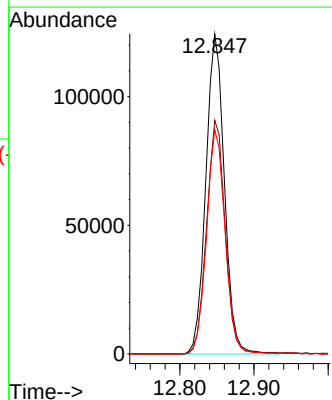
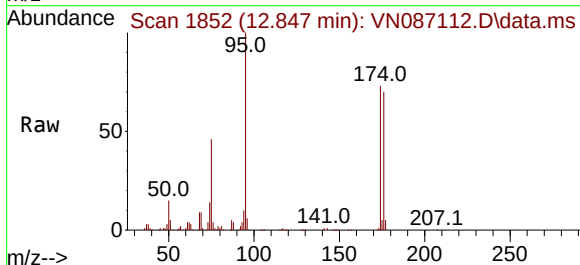
Tgt Ion: 95 Resp: 215954

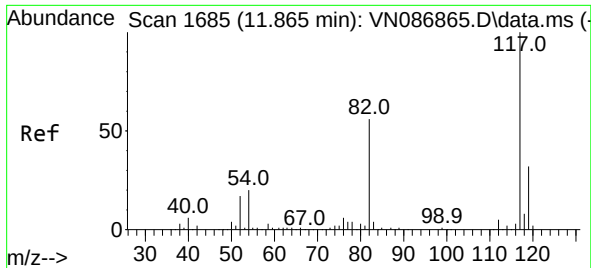
Ion Ratio Lower Upper

95 100

174 73.7 0.0 141.8

176 70.1 0.0 132.6

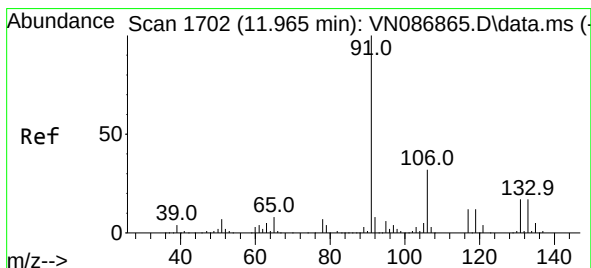
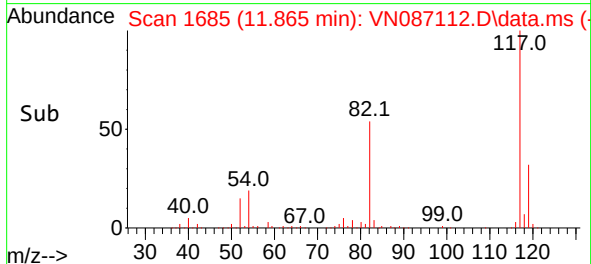
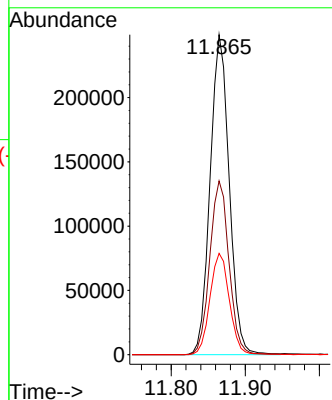
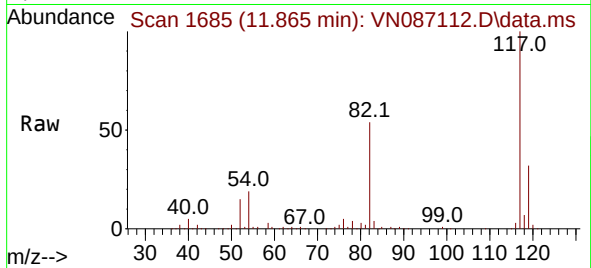




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN087112.D
Acq: 19 Jun 2025 15:24

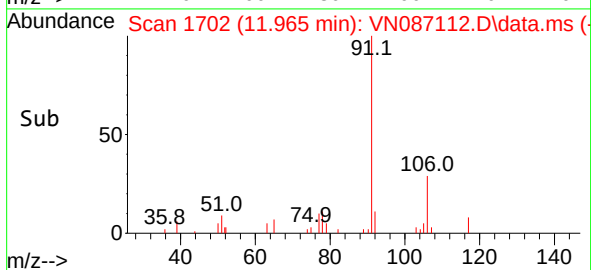
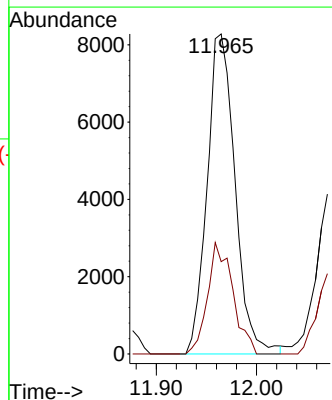
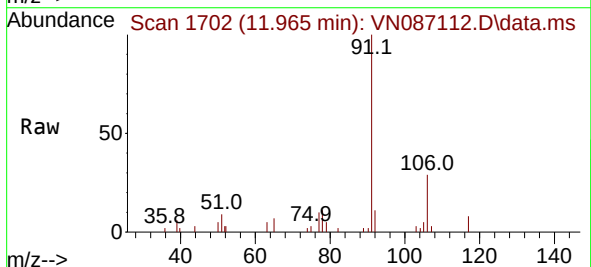
Instrument :
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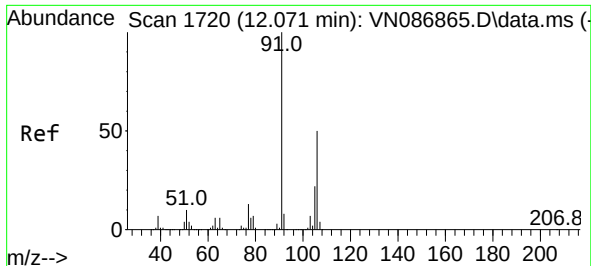
Tgt Ion:117 Resp: 444903
Ion Ratio Lower Upper
117 100
82 54.3 44.6 67.0
119 31.6 25.5 38.3



#67
Ethyl Benzene
Concen: 0.950 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. -0.000 min
Lab File: VN087112.D
Acq: 19 Jun 2025 15:24

Tgt Ion: 91 Resp: 16054
Ion Ratio Lower Upper
91 100
106 28.9 25.4 38.2

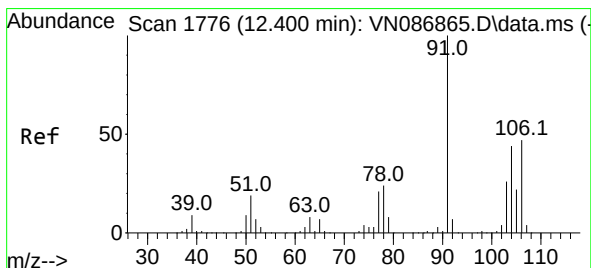
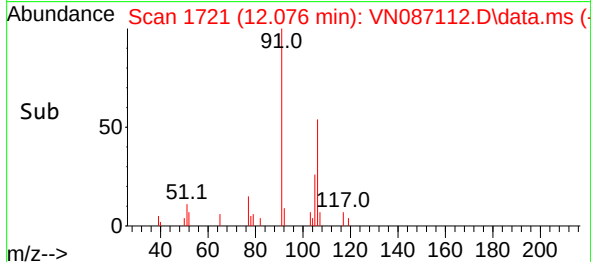
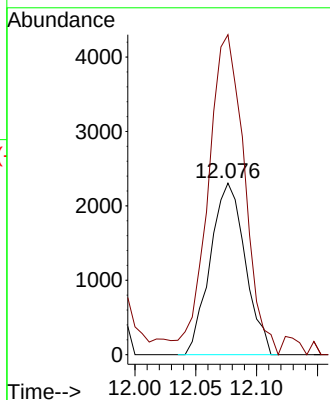
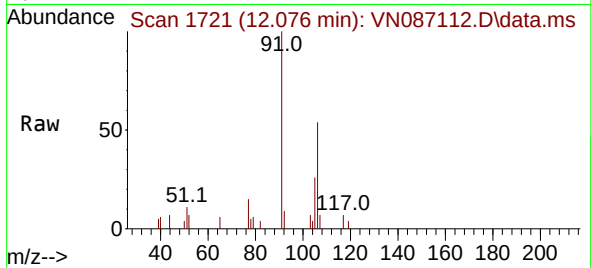




#68
m/p-Xylenes
Concen: 0.712 ug/l
RT: 12.076 min Scan# 1721
Delta R.T. 0.006 min
Lab File: VN087112.D
Acq: 19 Jun 2025 15:24

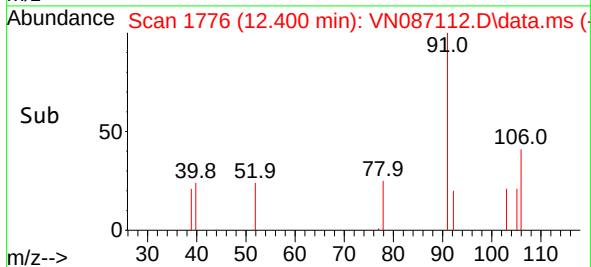
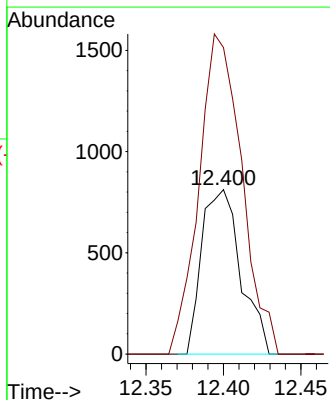
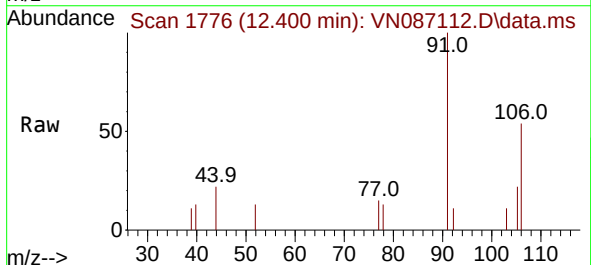
Instrument :
MSVOA_N
ClientSampleId :
IBLK

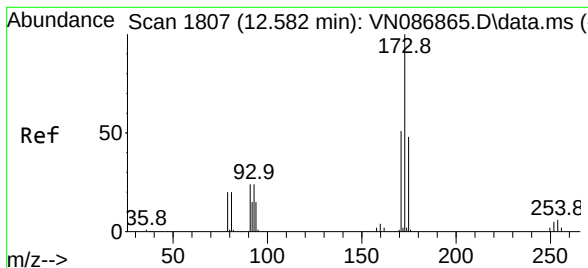
Tgt Ion:106 Resp: 4606
Ion Ratio Lower Upper
106 100
91 193.9 159.4 239.0



#69
o-Xylene
Concen: 0.229 ug/l
RT: 12.400 min Scan# 1776
Delta R.T. -0.000 min
Lab File: VN087112.D
Acq: 19 Jun 2025 15:24

Tgt Ion:106 Resp: 1420
Ion Ratio Lower Upper
106 100
91 213.9 106.1 318.1





#71

Bromoform

Concen: 0.472 ug/l

RT: 12.847 min Scan# 1102

Delta R.T. 0.265 min

Lab File: VN087112.D

Acq: 19 Jun 2025 15:24

Instrument :

MSVOA_N

ClientSampleId :

IBLK

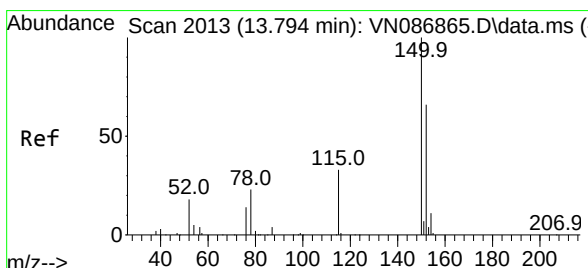
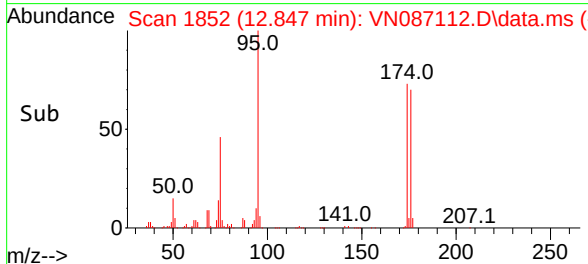
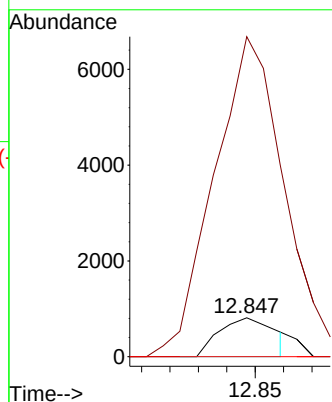
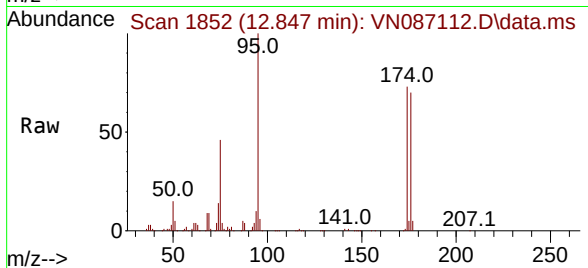
Tgt Ion:173 Resp: 1102

Ion Ratio Lower Upper

173 100

175 912.8 24.1 72.4#

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.788 min Scan# 2012

Delta R.T. -0.006 min

Lab File: VN087112.D

Acq: 19 Jun 2025 15:24

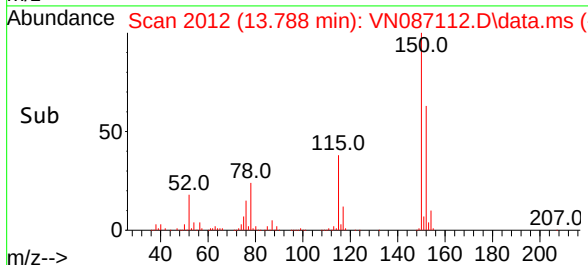
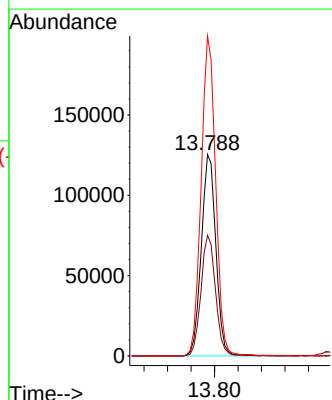
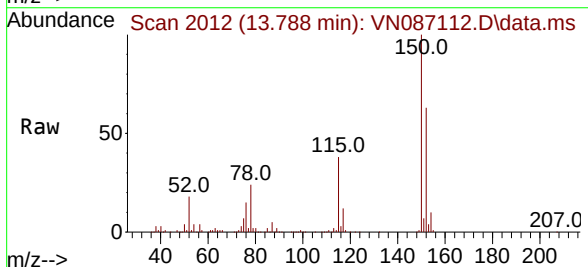
Tgt Ion:152 Resp: 216055

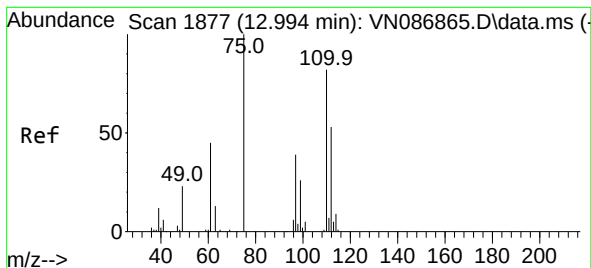
Ion Ratio Lower Upper

152 100

115 59.9 30.1 90.5

150 158.2 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 19.193 ug/l

RT: 12.847 min Scan# 1877

Delta R.T. -0.147 min

Lab File: VN087112.D

Acq: 19 Jun 2025 15:24

Instrument :

MSVOA_N

ClientSampleId :

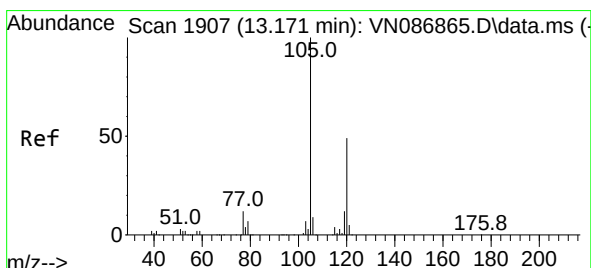
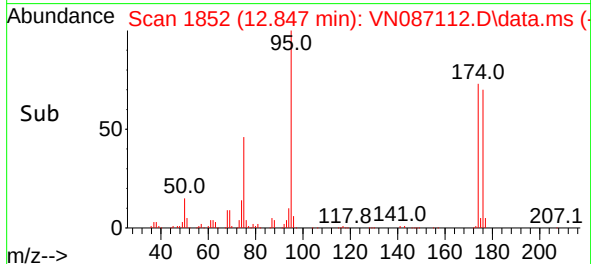
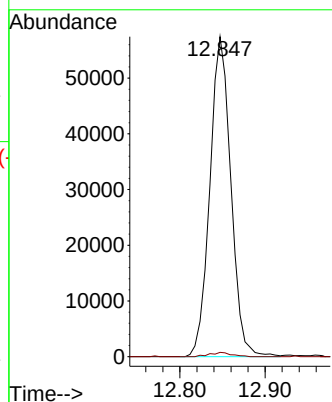
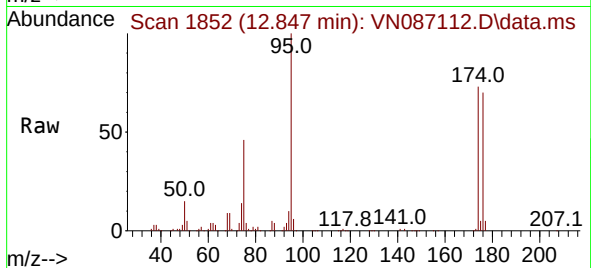
IBLK

Tgt Ion: 75 Resp: 98572

Ion Ratio Lower Upper

75 100

77 1.4 79.3 237.9#



#80

1,3,5-Trimethylbenzene

Concen: 0.340 ug/l

RT: 13.129 min Scan# 1900

Delta R.T. -0.041 min

Lab File: VN087112.D

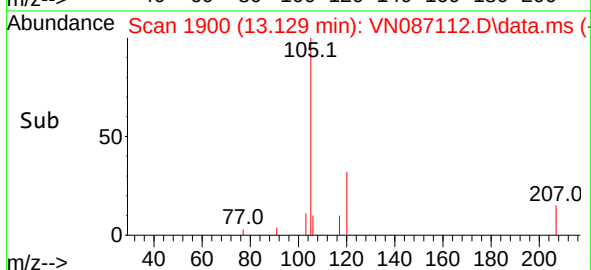
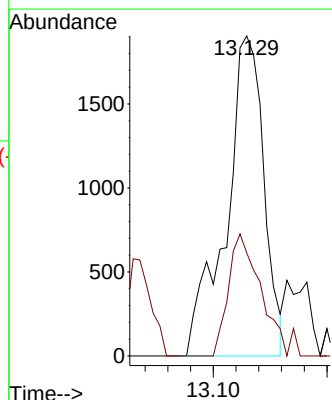
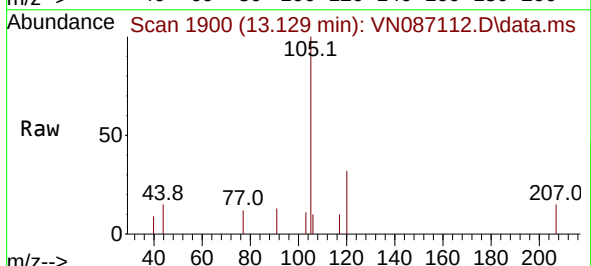
Acq: 19 Jun 2025 15:24

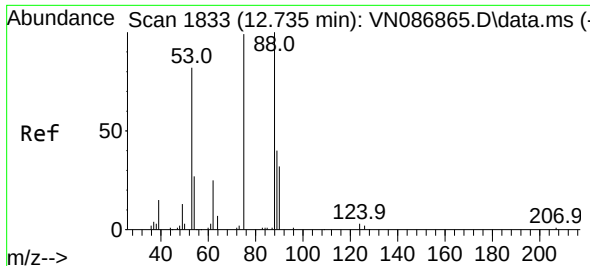
Tgt Ion: 105 Resp: 4412

Ion Ratio Lower Upper

105 100

120 33.5 24.9 74.6

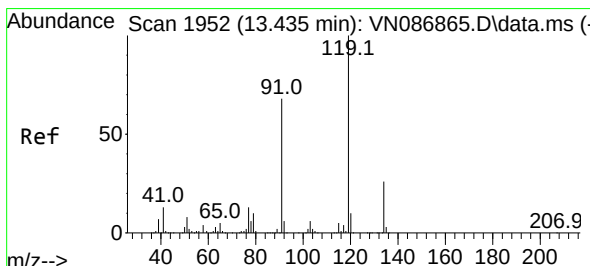
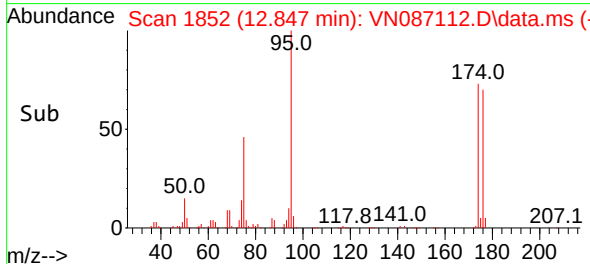
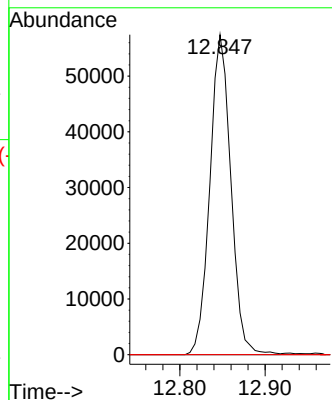
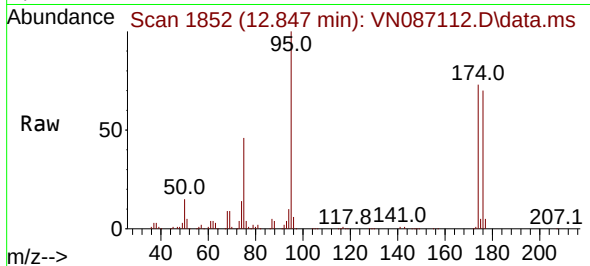




#81
trans-1,4-Dichloro-2-butene
Concen: 44.182 ug/l
RT: 12.847 min Scan# 1833
Delta R.T. 0.112 min
Lab File: VN087112.D
Acq: 19 Jun 2025 15:24

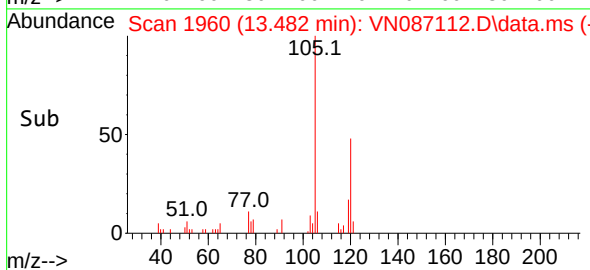
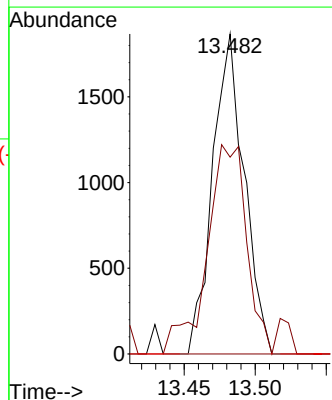
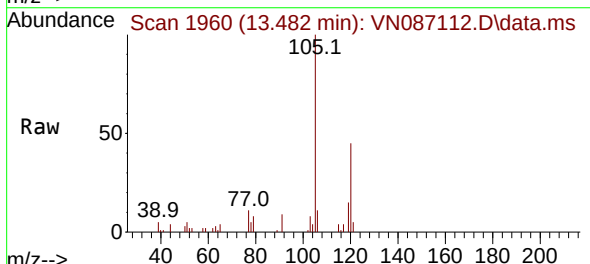
Instrument :
MSVOA_N
ClientSampleId :
IBLK

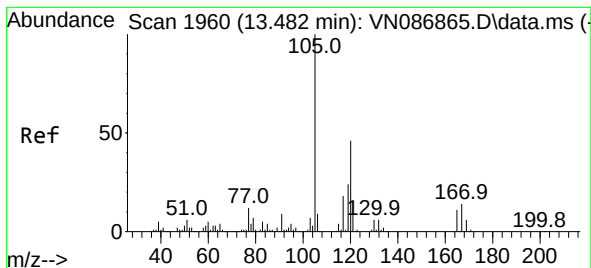
Tgt Ion: 75 Resp: 98572
Ion Ratio Lower Upper
75 100
53 0.0 66.6 99.8#
89 0.0 36.7 55.1#



#83
tert-Butylbenzene
Concen: 0.243 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.047 min
Lab File: VN087112.D
Acq: 19 Jun 2025 15:24

Tgt Ion: 119 Resp: 2888
Ion Ratio Lower Upper
119 100
91 82.0 32.1 96.5
134 0.0 13.4 40.1#





#84

1,2,4-Trimethylbenzene

Concen: 1.622 ug/l

RT: 13.482 min Scan# 1960

Delta R.T. -0.000 min

Lab File: VN087112.D

Acq: 19 Jun 2025 15:24

Instrument :

MSVOA_N

ClientSampleId :

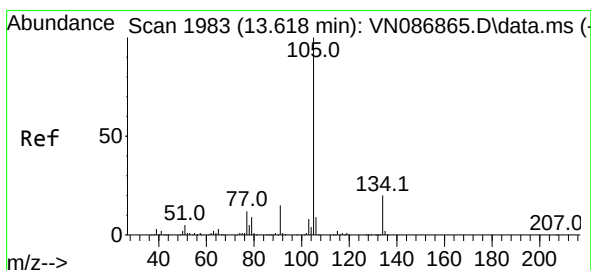
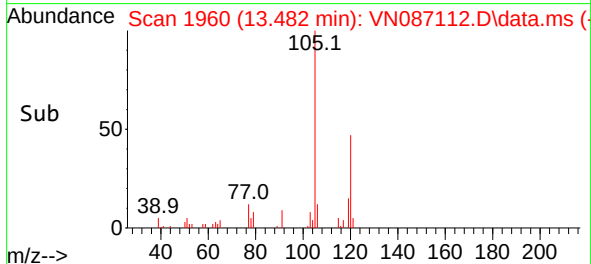
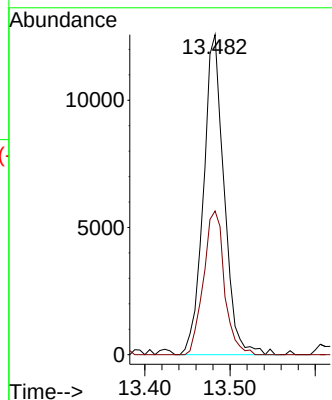
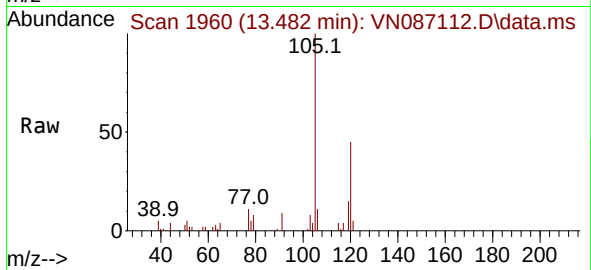
IBLK

Tgt Ion:105 Resp: 21134

Ion Ratio Lower Upper

105 100

120 45.5 23.2 69.6



#85

sec-Butylbenzene

Concen: 1.223 ug/l

RT: 13.482 min Scan# 1960

Delta R.T. -0.135 min

Lab File: VN087112.D

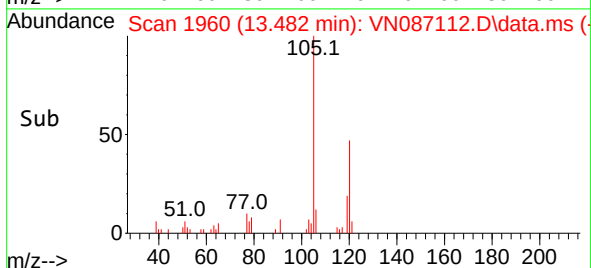
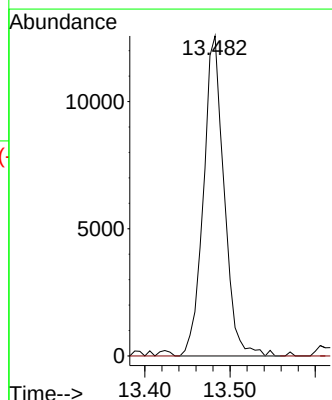
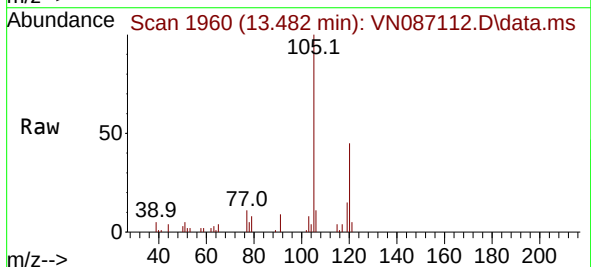
Acq: 19 Jun 2025 15:24

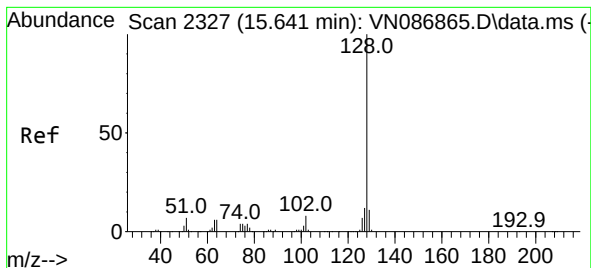
Tgt Ion:105 Resp: 21134

Ion Ratio Lower Upper

105 100

134 0.0 10.0 30.0#





#95

Naphthalene

Concen: 0.713 ug/l

RT: 15.641 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN087112.D

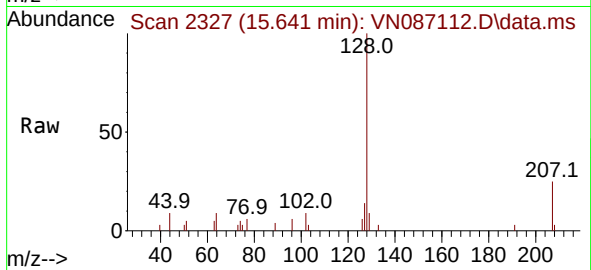
Acq: 19 Jun 2025 15:24

Instrument :

MSVOA_N

ClientSampleId :

IBLK



Tgt Ion:	128	Resp:	11557
Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.2	15.2
129	9.2	8.8	13.2

