

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061925\
 Data File : VN087102.D
 Acq On : 19 Jun 2025 10:26
 Operator : JC\MD
 Sample : VN0619WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0619WBL01

Quant Time: Jun 20 01:20:55 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)

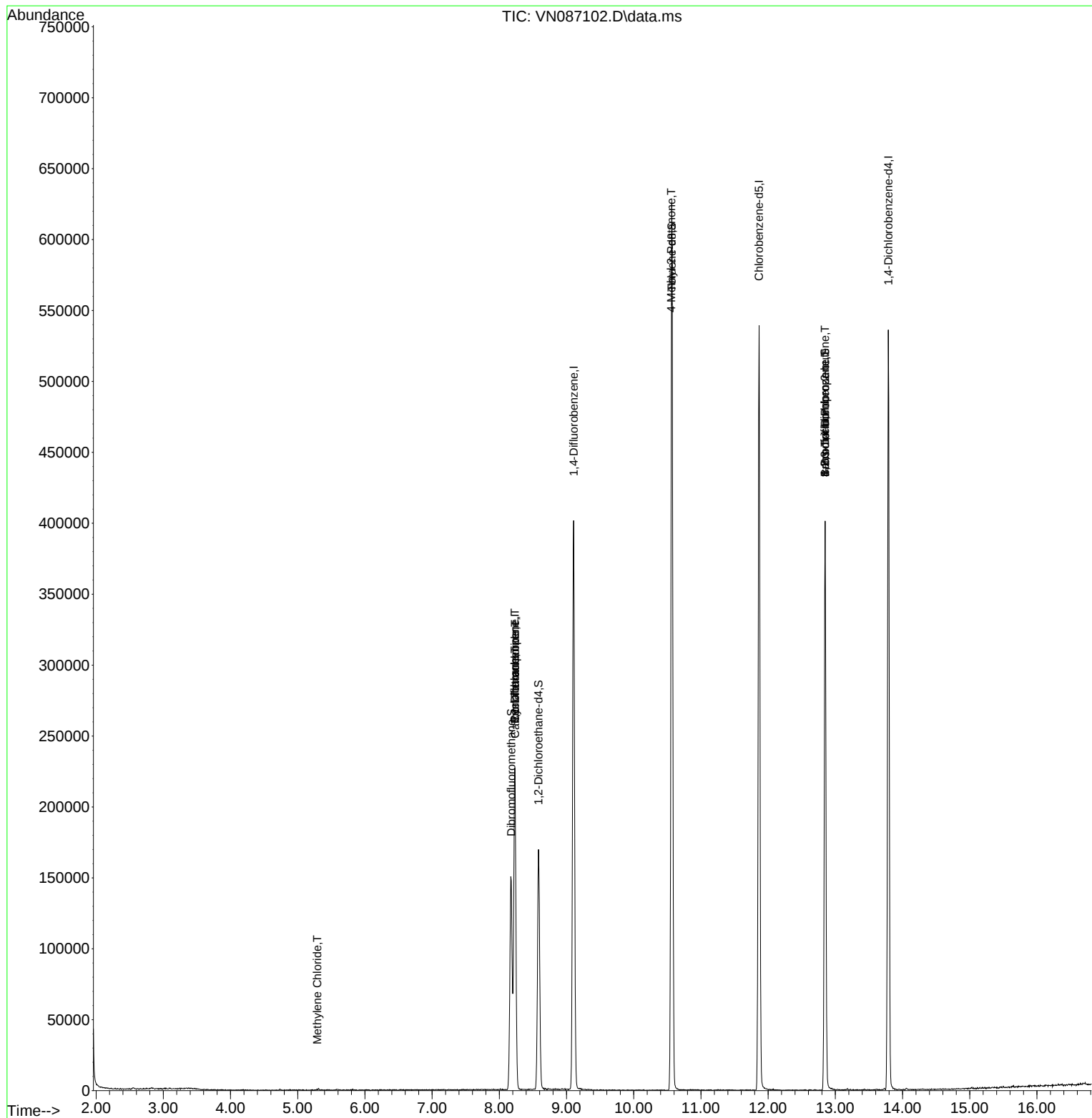
Internal Standards						
1) Pentafluorobenzene	8.230	168	180966	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	368878	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	337249	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	156562	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	138328	57.091	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 114.180%		
35) Dibromofluoromethane	8.177	113	116016	53.071	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 106.140%		
50) Toluene-d8	10.565	98	465529	53.793	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 107.580%		
62) 4-Bromofluorobenzene	12.847	95	157268	48.914	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	= 97.820%		
Target Compounds						
					Qvalue	
20) Methylene Chloride	5.289	84	655	0.272	ug/l #	65
31) Cyclohexane	8.230	56	3109	0.791	ug/l #	1
36) 1,1-Dichloropropene	8.230	75	13901	4.267	ug/l #	47
38) Carbon Tetrachloride	8.236	117	17455	5.458	ug/l #	17
51) 4-Methyl-2-Pentanone	10.559	43	1589	0.397	ug/l #	1
71) Bromoform	12.847	173	884	0.499	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	73783	19.826	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	73783	45.638	ug/l #	16

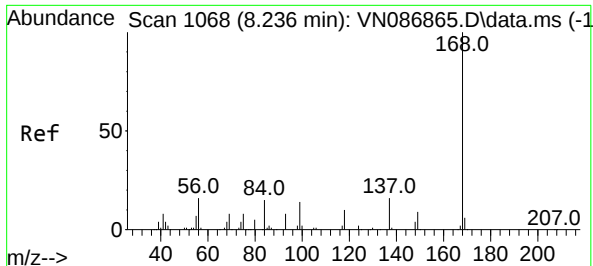
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

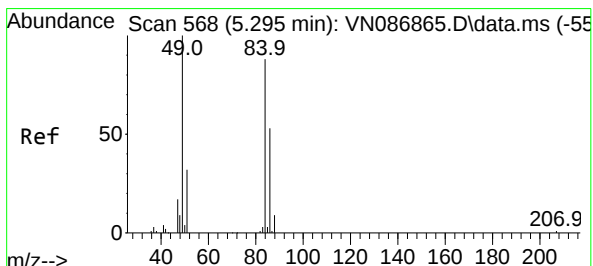
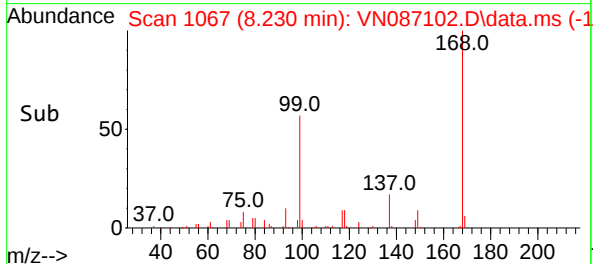
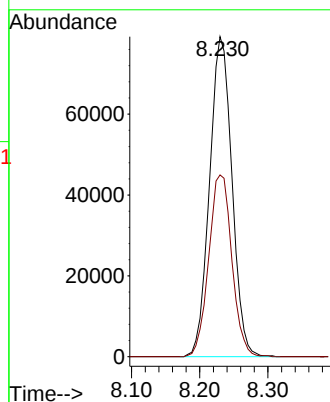
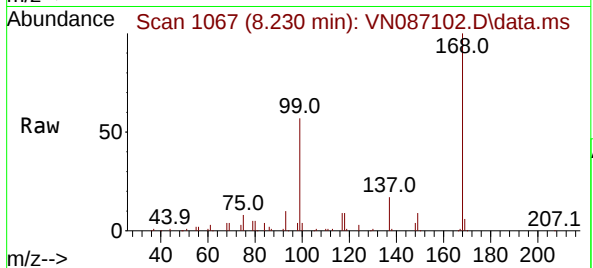




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN087102.D
Acq: 19 Jun 2025 10:26

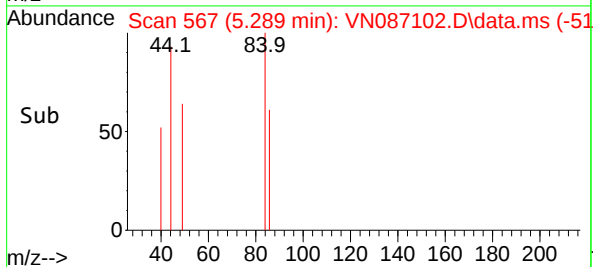
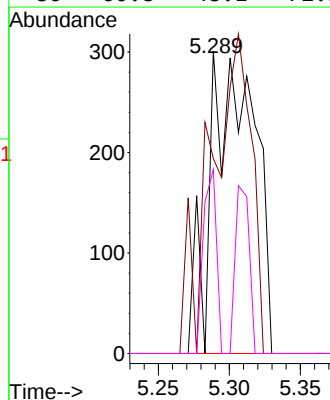
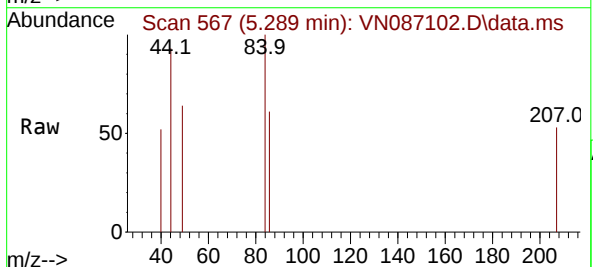
Instrument :
MSVOA_N
ClientSampleId :
VN0619WBL01

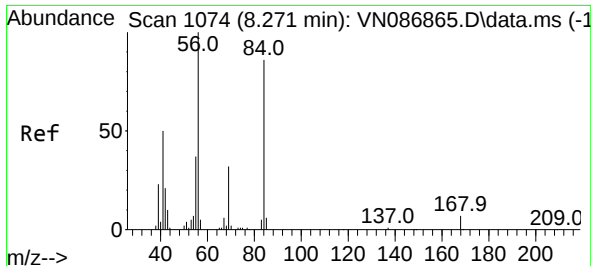
Tgt Ion:168 Resp: 180966
Ion Ratio Lower Upper
168 100
99 56.8 49.1 73.7



#20
Methylene Chloride
Concen: 0.272 ug/l
RT: 5.289 min Scan# 567
Delta R.T. -0.006 min
Lab File: VN087102.D
Acq: 19 Jun 2025 10:26

Tgt Ion: 84 Resp: 655
Ion Ratio Lower Upper
84 100
49 64.5 90.5 135.7#
51 0.0 28.5 42.7#
86 60.8 48.1 72.1

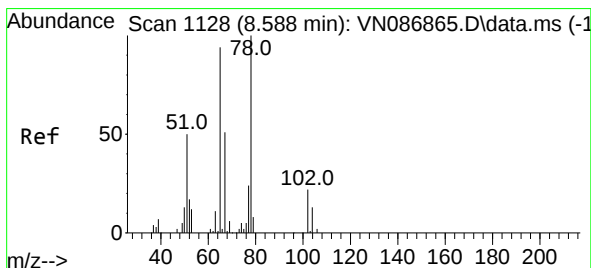
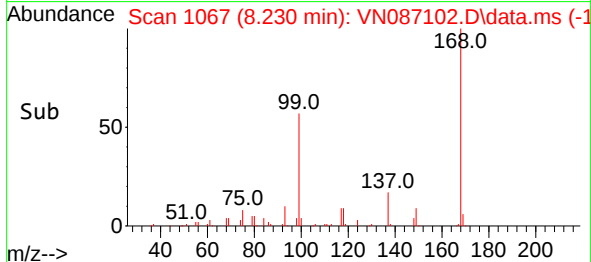
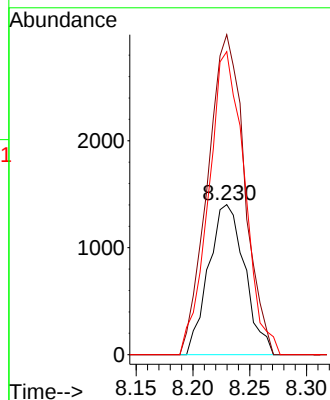
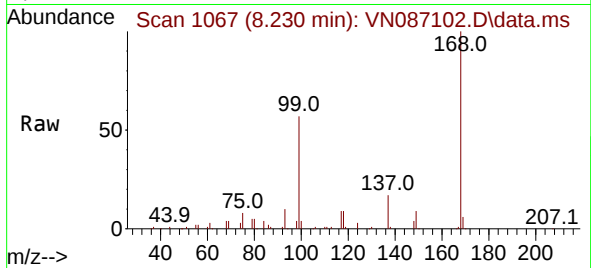




#31
Cyclohexane
Concen: 0.791 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.041 min
Lab File: VN087102.D
Acq: 19 Jun 2025 10:26

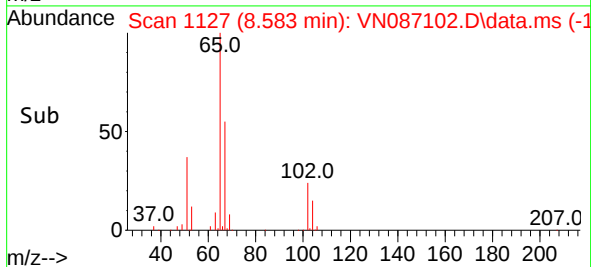
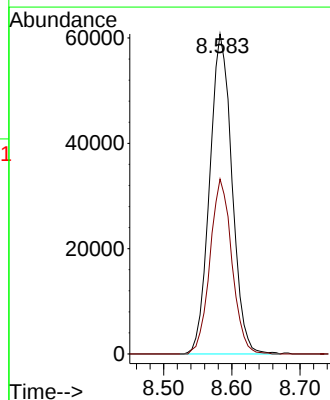
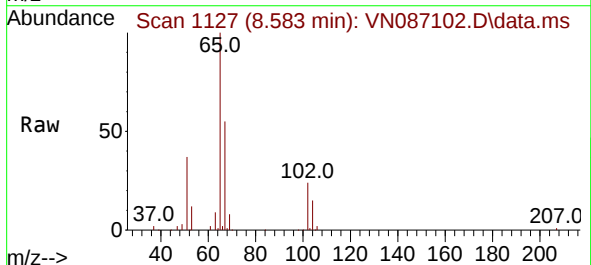
Instrument :
MSVOA_N
ClientSampleId :
VN0619WBL01

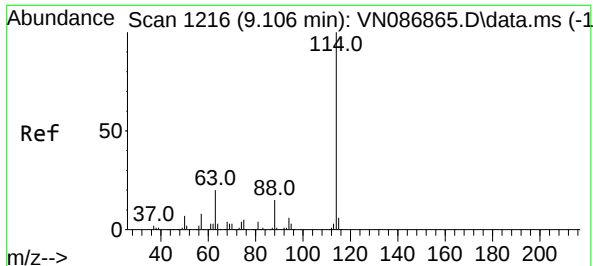
Tgt Ion: 56 Resp: 3109
Ion Ratio Lower Upper
56 100
69 213.3 25.4 38.0#
84 202.0 68.8 103.2#



#33
1,2-Dichloroethane-d4
Concen: 57.091 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. -0.006 min
Lab File: VN087102.D
Acq: 19 Jun 2025 10:26

Tgt Ion: 65 Resp: 138328
Ion Ratio Lower Upper
65 100
67 53.7 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: VN087102.D

Acq: 19 Jun 2025 10:26

Instrument :

MSVOA_N

ClientSampleId :

VN0619WBL01

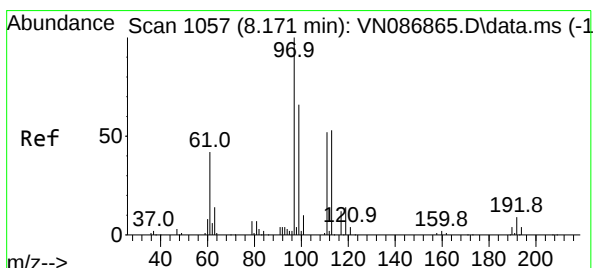
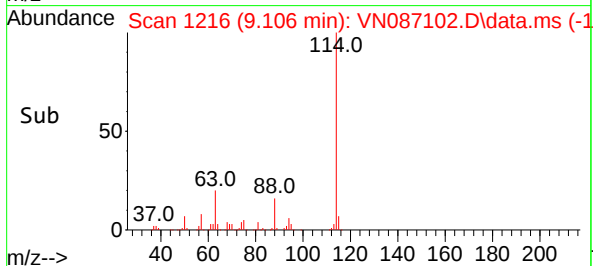
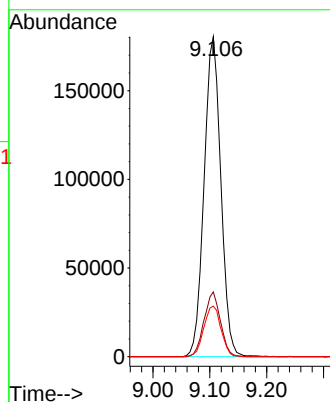
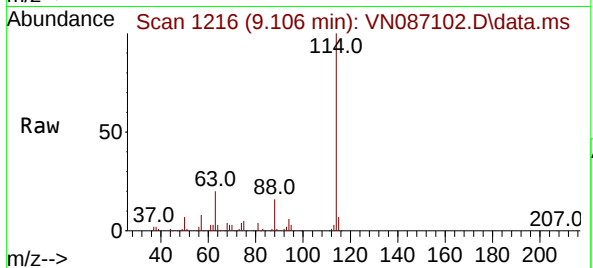
Tgt Ion:114 Resp: 368878

Ion Ratio Lower Upper

114 100

63 20.2 0.0 39.6

88 15.8 0.0 30.2



#35

Dibromofluoromethane

Concen: 53.071 ug/l

RT: 8.177 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VN087102.D

Acq: 19 Jun 2025 10:26

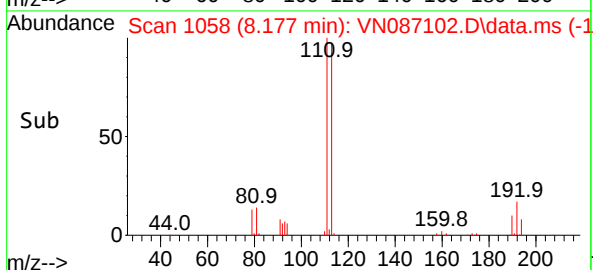
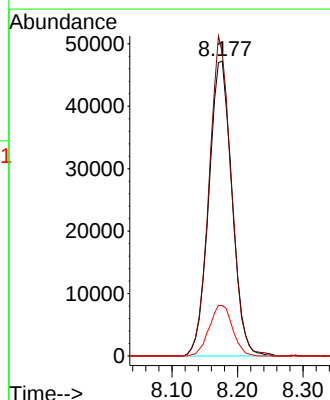
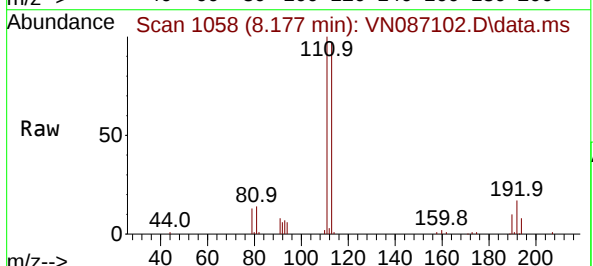
Tgt Ion:113 Resp: 116016

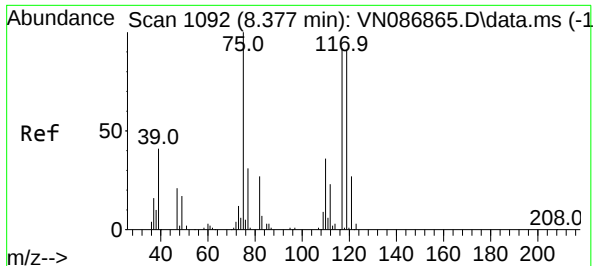
Ion Ratio Lower Upper

113 100

111 103.6 84.2 126.2

192 17.3 14.2 21.4

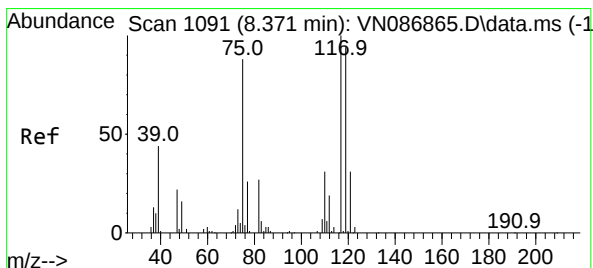
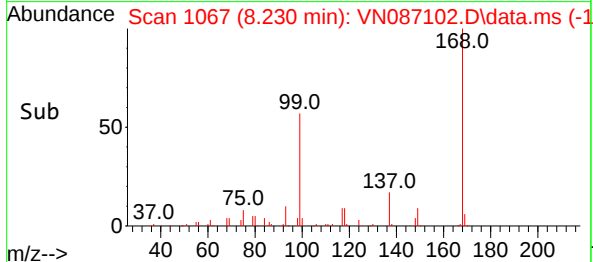
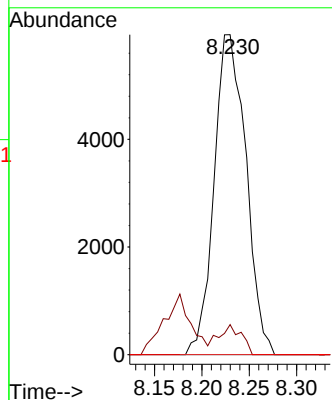
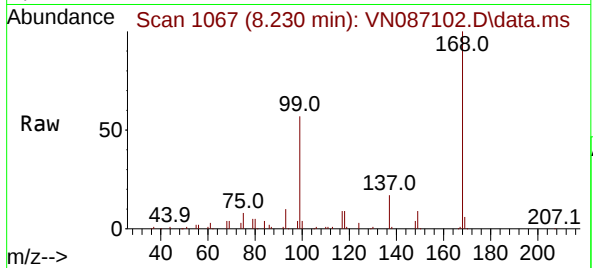




#36
 1,1-Dichloropropene
 Concen: 4.267 ug/l
 RT: 8.230 min Scan# 1067
 Delta R.T. -0.147 min
 Lab File: VN087102.D
 Acq: 19 Jun 2025 10:26

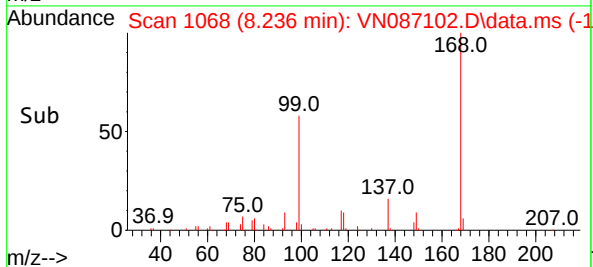
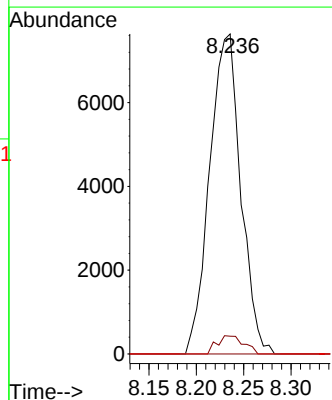
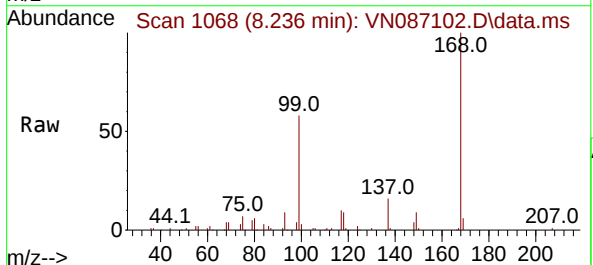
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0619WBL01

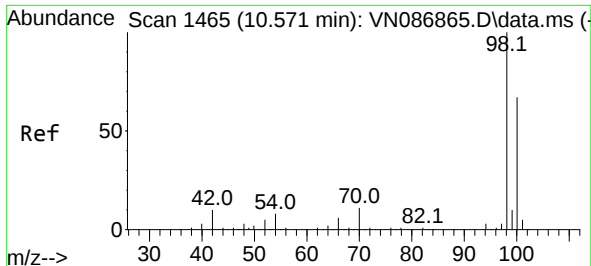
Tgt Ion: 75 Resp: 13901
 Ion Ratio Lower Upper
 75 100
 110 6.8 17.6 52.9#
 77 0.0 25.3 37.9#



#38
 Carbon Tetrachloride
 Concen: 5.458 ug/l
 RT: 8.236 min Scan# 1068
 Delta R.T. -0.135 min
 Lab File: VN087102.D
 Acq: 19 Jun 2025 10:26

Tgt Ion: 117 Resp: 17455
 Ion Ratio Lower Upper
 117 100
 119 5.6 75.0 112.6#
 121 0.0 24.9 37.3#

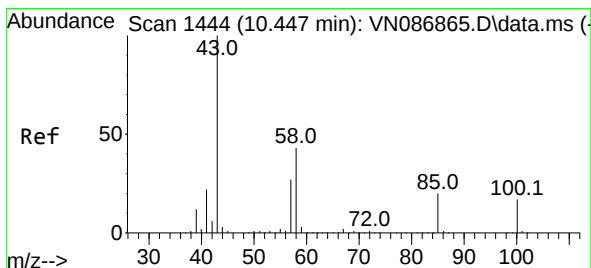
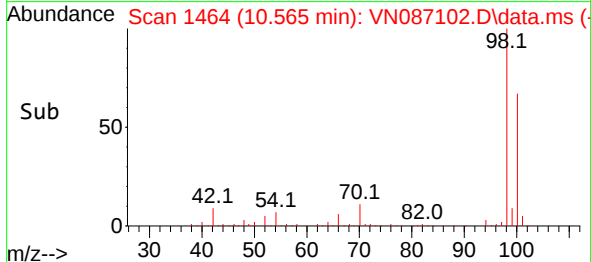
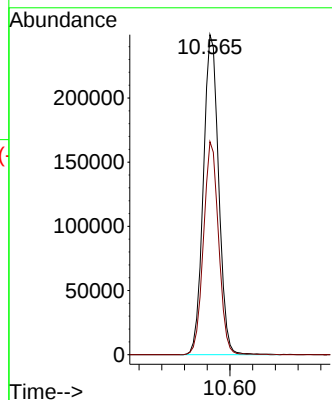
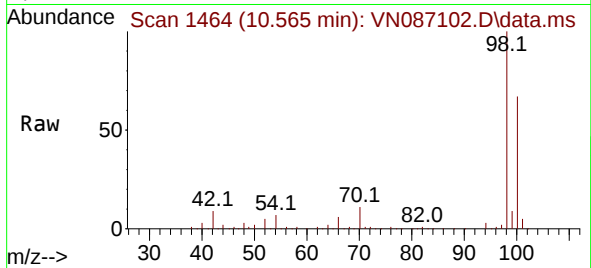




#50
Toluene-d8
Concen: 53.793 ug/l
RT: 10.565 min Scan# 1465
Delta R.T. -0.006 min
Lab File: VN087102.D
Acq: 19 Jun 2025 10:26

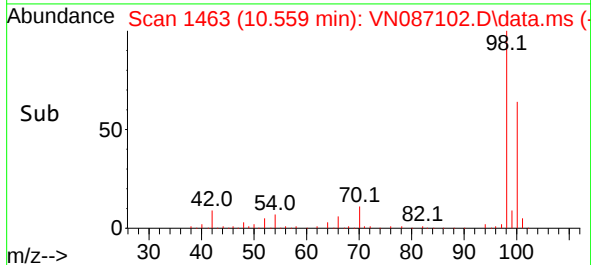
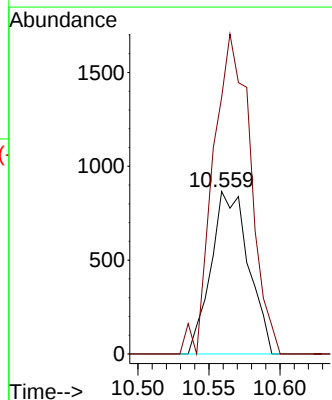
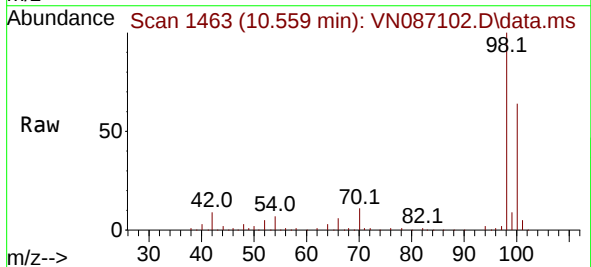
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ClientSampleId :
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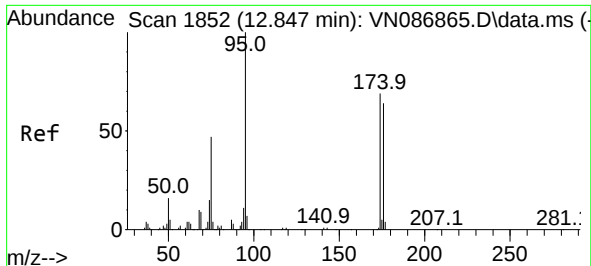
Tgt Ion: 98 Resp: 465529
Ion Ratio Lower Upper
98 100
100 65.6 53.4 80.0



#51
4-Methyl-2-Pentanone
Concen: 0.397 ug/l
RT: 10.559 min Scan# 1463
Delta R.T. 0.112 min
Lab File: VN087102.D
Acq: 19 Jun 2025 10:26

Tgt Ion: 43 Resp: 1589
Ion Ratio Lower Upper
43 100
58 196.2 34.2 51.4#

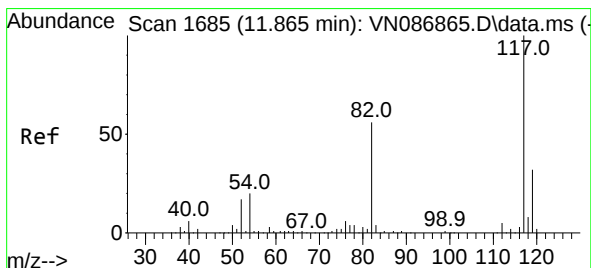
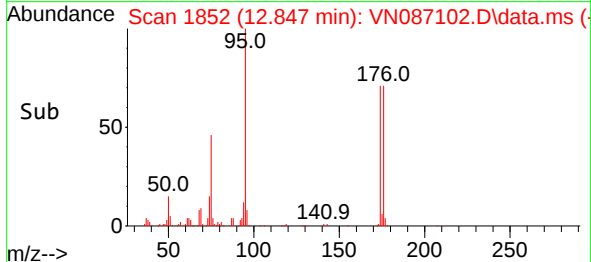
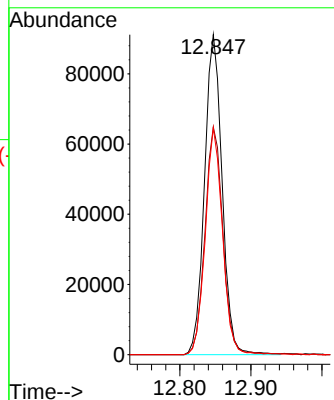
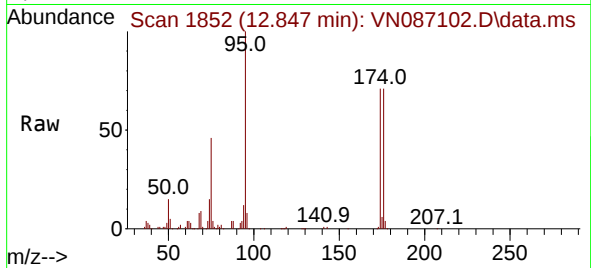




#62
4-Bromofluorobenzene
Concen: 48.914 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN087102.D
Acq: 19 Jun 2025 10:26

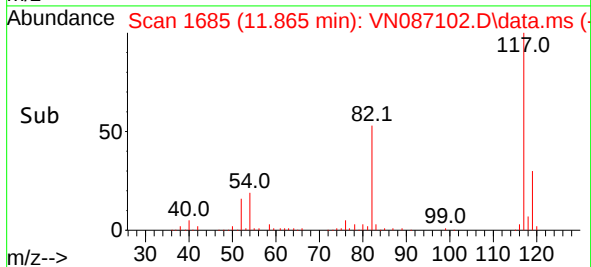
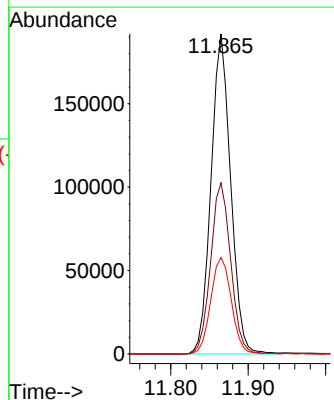
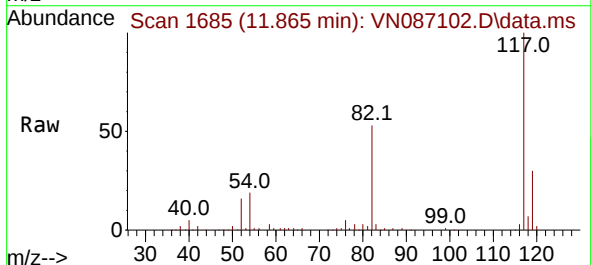
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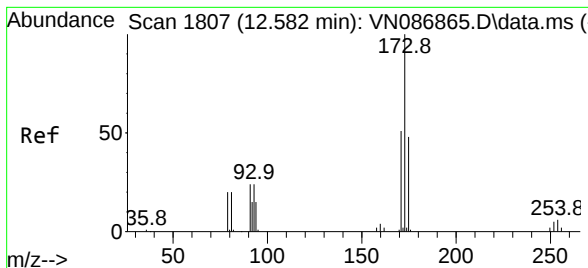
Tgt Ion: 95 Resp: 157268
Ion Ratio Lower Upper
95 100
174 72.8 0.0 141.8
176 69.7 0.0 132.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN087102.D
Acq: 19 Jun 2025 10:26

Tgt Ion: 117 Resp: 337249
Ion Ratio Lower Upper
117 100
82 53.4 44.6 67.0
119 30.2 25.5 38.3





#71

Bromoform

Concen: 0.499 ug/l

RT: 12.847 min Scan# 11

Delta R.T. 0.265 min

Lab File: VN087102.D

Acq: 19 Jun 2025 10:26

Instrument :

MSVOA_N

ClientSampleId :

VN0619WBL01

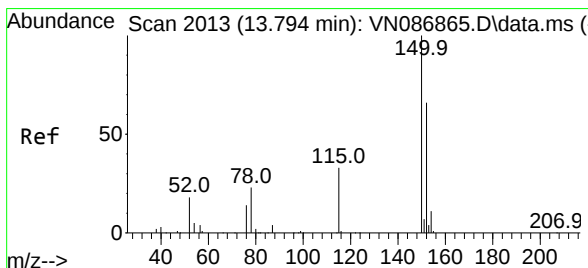
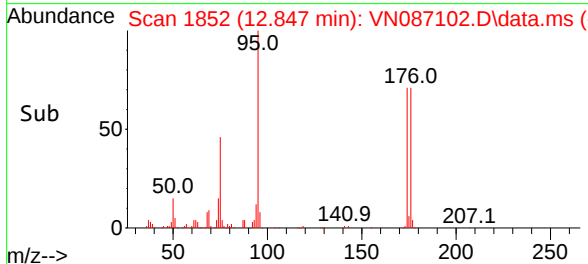
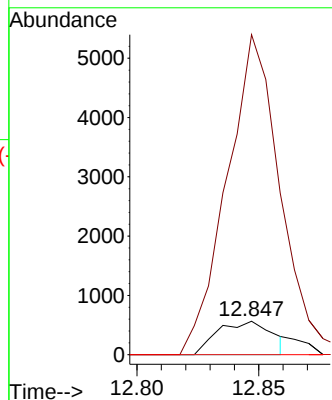
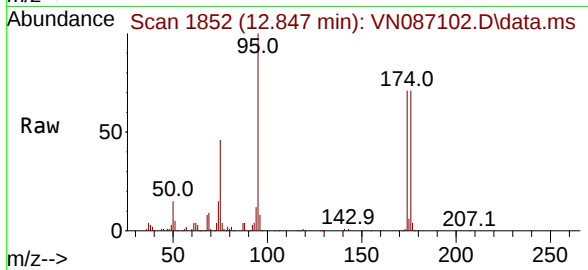
Tgt Ion:173 Resp: 884

Ion Ratio Lower Upper

173 100

175 833.1 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: VN087102.D

Acq: 19 Jun 2025 10:26

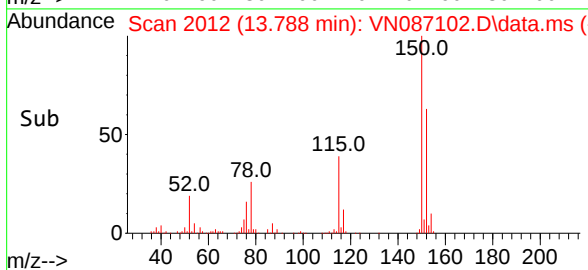
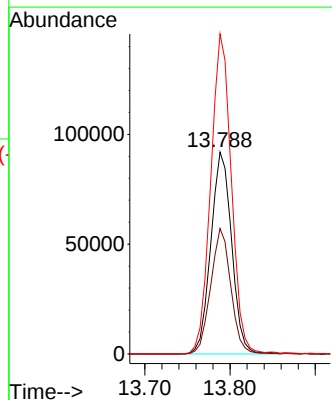
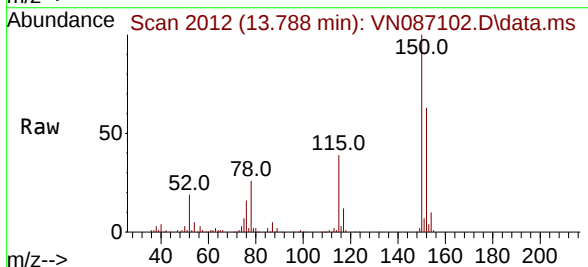
Tgt Ion:152 Resp: 156562

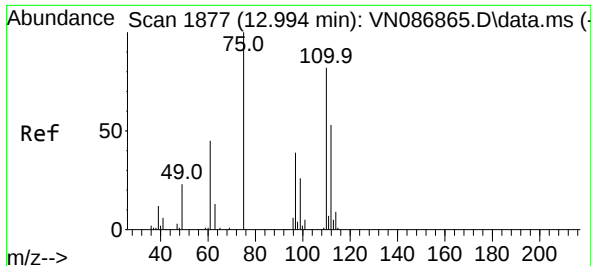
Ion Ratio Lower Upper

152 100

115 59.9 30.1 90.5

150 156.9 0.0 345.0

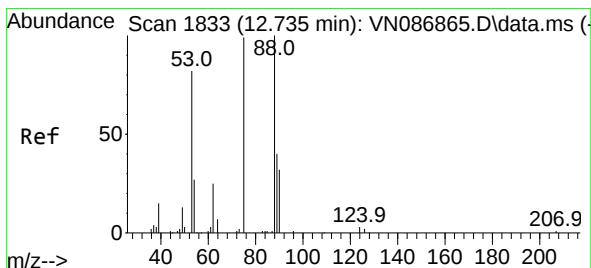
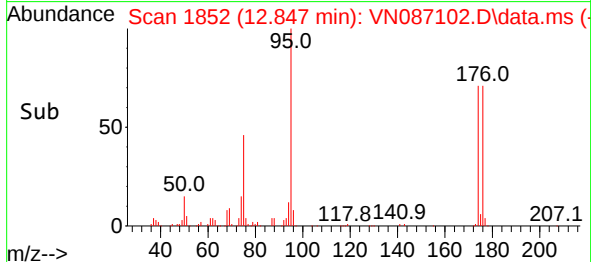
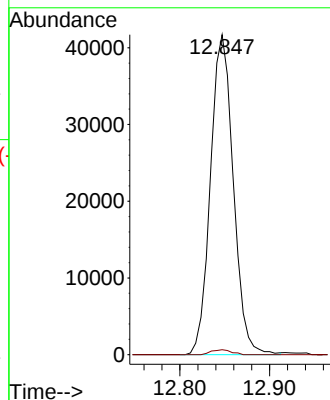
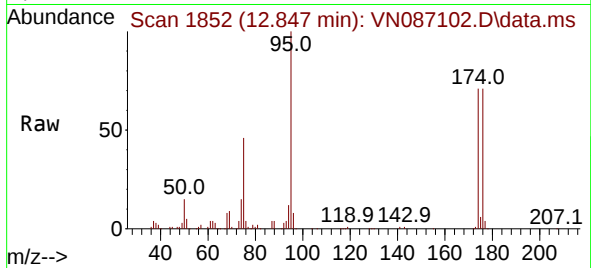




#76
1,2,3-Trichloropropane
Concen: 19.826 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN087102.D
Acq: 19 Jun 2025 10:26

Instrument :
MSVOA_N
ClientSampleId :
VN0619WBL01

Tgt Ion: 75 Resp: 73783
Ion Ratio Lower Upper
75 100
77 1.4 79.3 237.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 45.638 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN087102.D
Acq: 19 Jun 2025 10:26

Tgt Ion: 75 Resp: 73783
Ion Ratio Lower Upper
75 100
53 0.0 66.6 99.8#
89 0.0 36.7 55.1#

