

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061925\
 Data File : VN087113.D
 Acq On : 19 Jun 2025 15:45
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Jun 20 01:27:04 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)

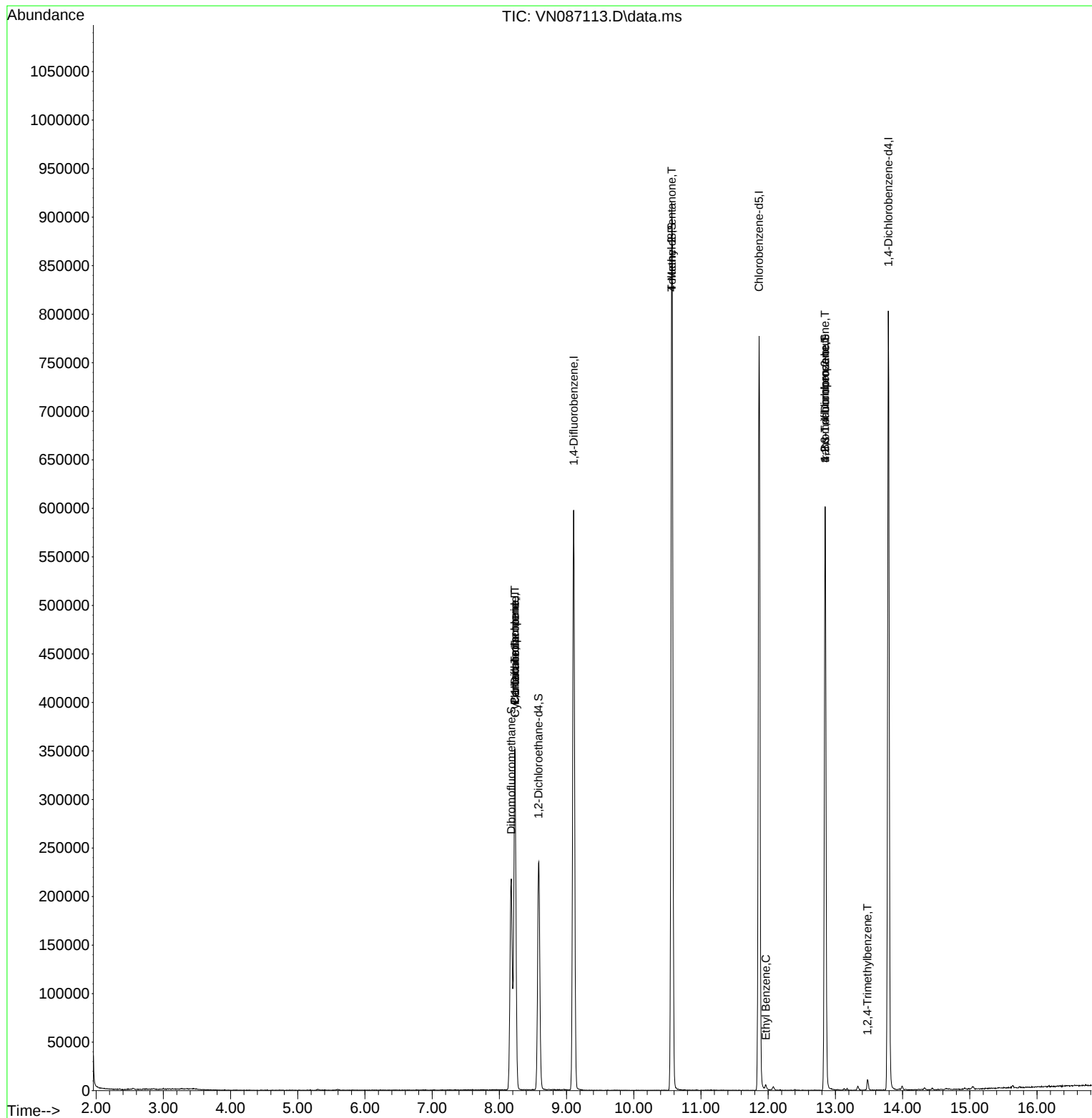
Internal Standards						
1) Pentafluorobenzene	8.230	168	273337	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	557476	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	498501	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	236707	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	196587	53.717	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 107.440%		
35) Dibromofluoromethane	8.177	113	168117	50.887	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 101.780%		
50) Toluene-d8	10.565	98	686809	52.514	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 105.020%		
62) 4-Bromofluorobenzene	12.847	95	241874	49.778	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	= 99.560%		
Target Compounds						
					Qvalue	
31) Cyclohexane	8.236	56	4652	0.784	ug/l #	1
36) 1,1-Dichloropropene	8.230	75	20659	4.197	ug/l #	48
38) Carbon Tetrachloride	8.230	117	26955	5.577	ug/l #	17
51) 4-Methyl-2-Pentanone	10.565	43	2161	0.357	ug/l #	1
67) Ethyl Benzene	11.965	91	4132	0.218	ug/l	97
76) 1,2,3-Trichloropropane	12.847	75	110259	19.596	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	110259	45.109	ug/l #	16
84) 1,2,4-Trimethylbenzene	13.476	105	7224	0.506	ug/l	98

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

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Quant Time: Jun 20 01:27:04 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

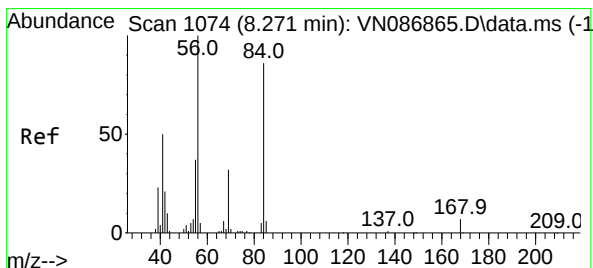
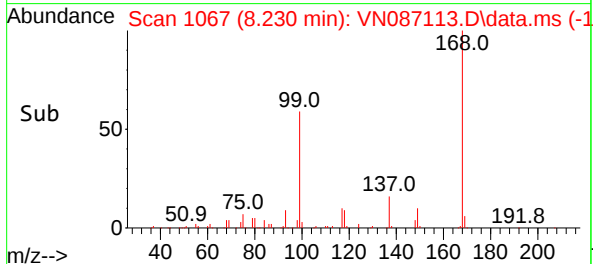
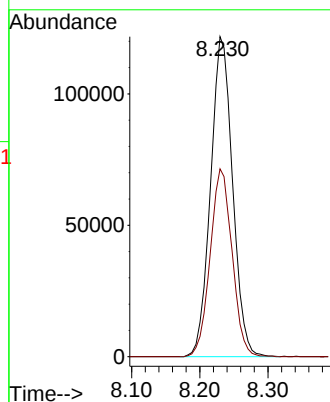
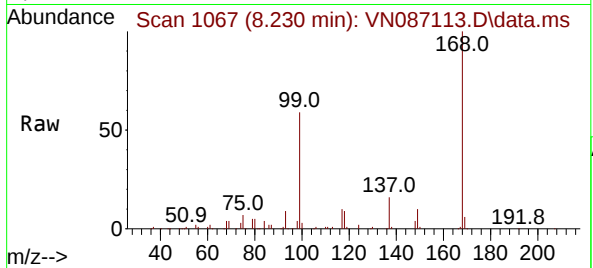




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1068
Delta R.T. -0.006 min
Lab File: VN087113.D
Acq: 19 Jun 2025 15:45

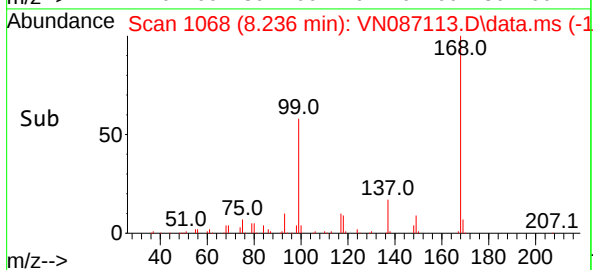
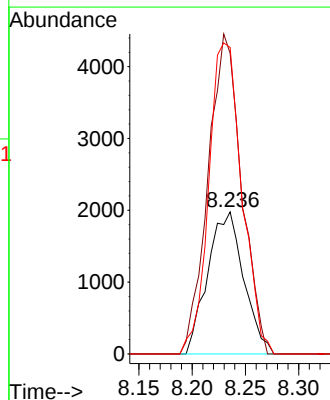
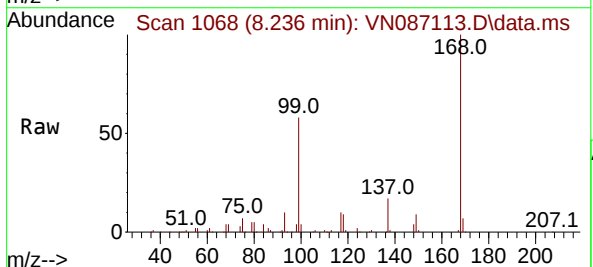
Instrument :
MSVOA_N
ClientSampleId :
IBLK

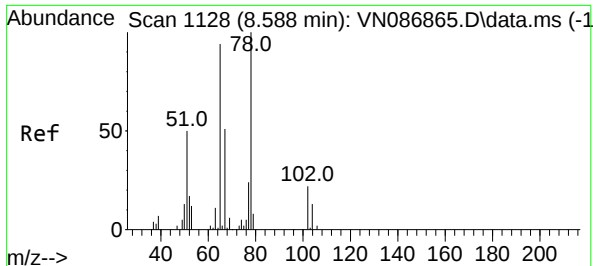
Tgt Ion:168 Resp: 273337
Ion Ratio Lower Upper
168 100
99 58.7 49.1 73.7



#31
Cyclohexane
Concen: 0.784 ug/l
RT: 8.236 min Scan# 1068
Delta R.T. -0.035 min
Lab File: VN087113.D
Acq: 19 Jun 2025 15:45

Tgt Ion: 56 Resp: 4652
Ion Ratio Lower Upper
56 100
69 211.6 25.4 38.0#
84 215.7 68.8 103.2#





#33

1,2-Dichloroethane-d4

Concen: 53.717 ug/l

RT: 8.583 min Scan# 1128

Delta R.T. -0.006 min

Lab File: VN087113.D

Acq: 19 Jun 2025 15:45

Instrument :

MSVOA_N

ClientSampleId :

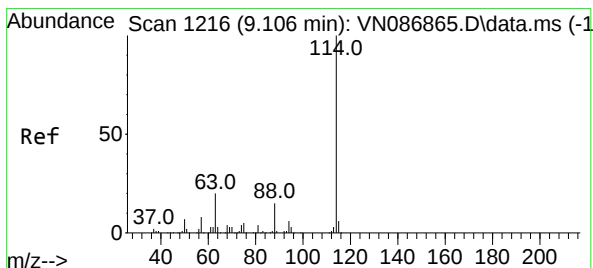
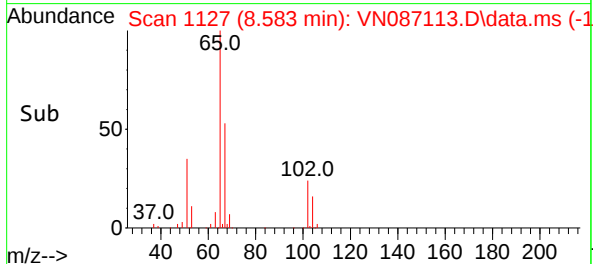
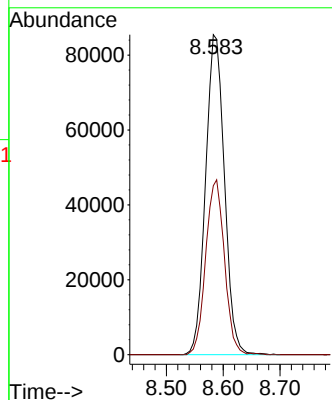
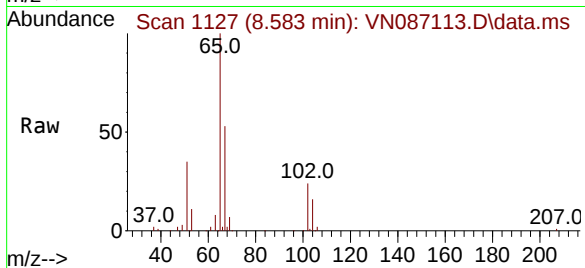
IBLK

Tgt Ion: 65 Resp: 196587

Ion Ratio Lower Upper

65 100

67 54.3 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: VN087113.D

Acq: 19 Jun 2025 15:45

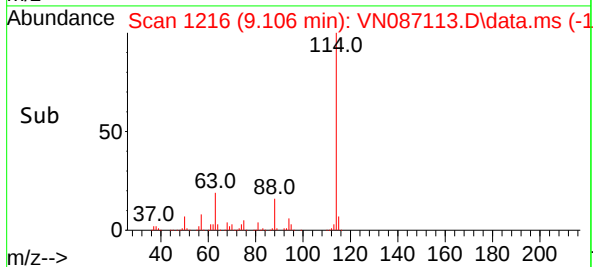
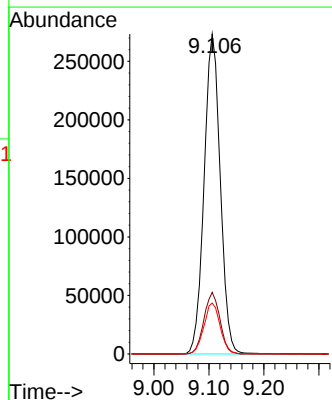
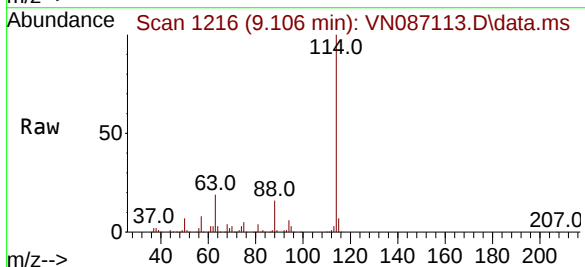
Tgt Ion: 114 Resp: 557476

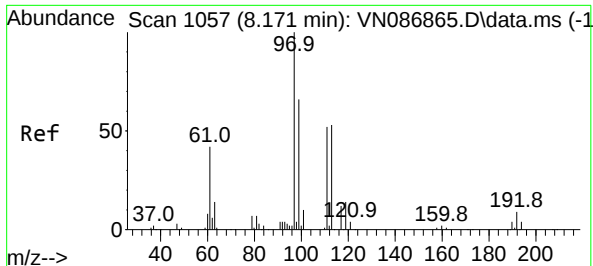
Ion Ratio Lower Upper

114 100

63 19.2 0.0 39.6

88 15.9 0.0 30.2

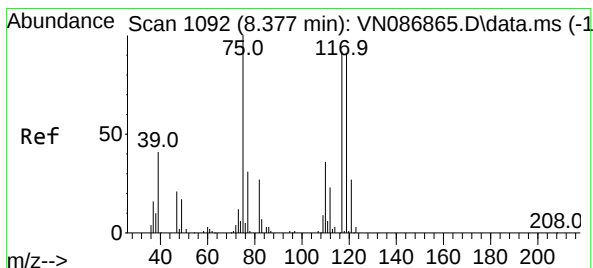
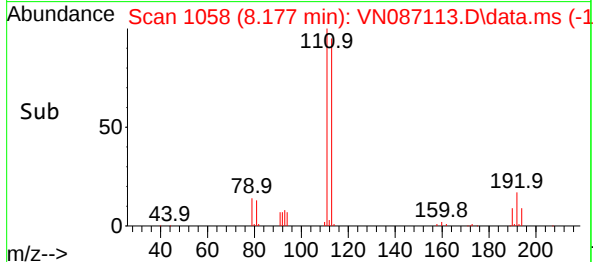
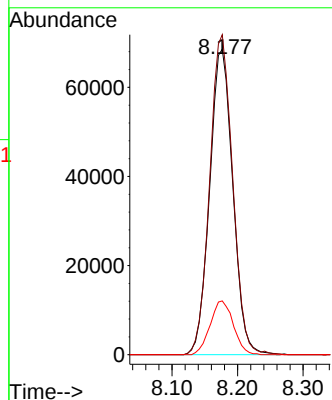
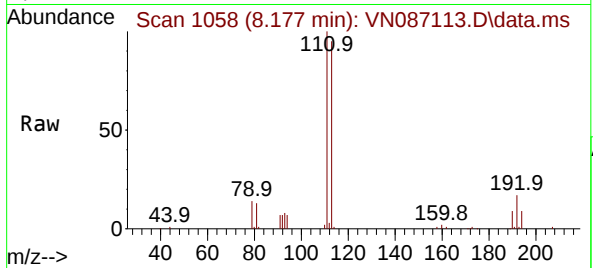




#35
Dibromofluoromethane
Concen: 50.887 ug/l
RT: 8.177 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VN087113.D
Acq: 19 Jun 2025 15:45

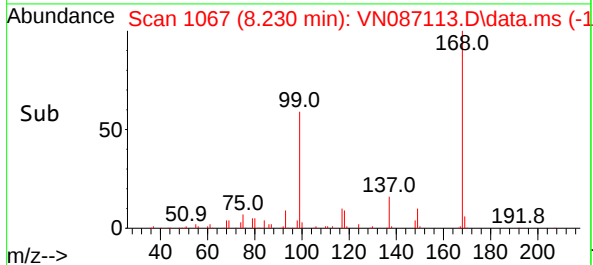
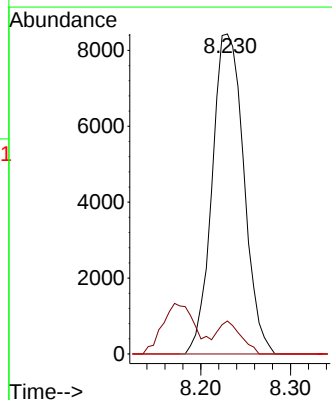
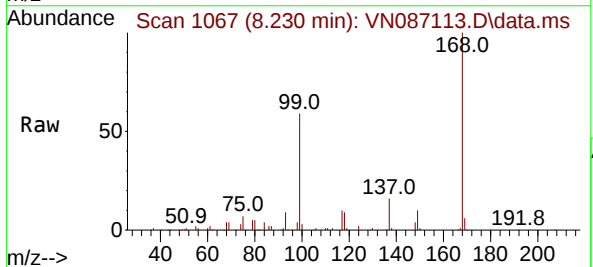
Instrument :
MSVOA_N
ClientSampleId :
IBLK

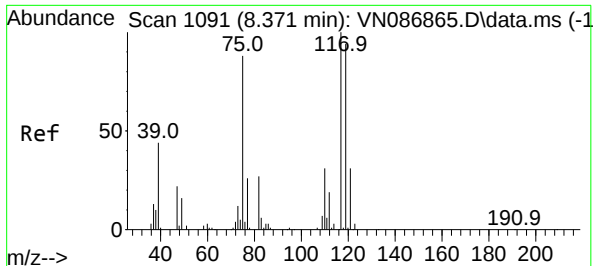
Tgt Ion:113 Resp: 168117
Ion Ratio Lower Upper
113 100
111 103.8 84.2 126.2
192 17.7 14.2 21.4



#36
1,1-Dichloropropene
Concen: 4.197 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.147 min
Lab File: VN087113.D
Acq: 19 Jun 2025 15:45

Tgt Ion: 75 Resp: 20659
Ion Ratio Lower Upper
75 100
110 7.5 17.6 52.9#
77 0.0 25.3 37.9#

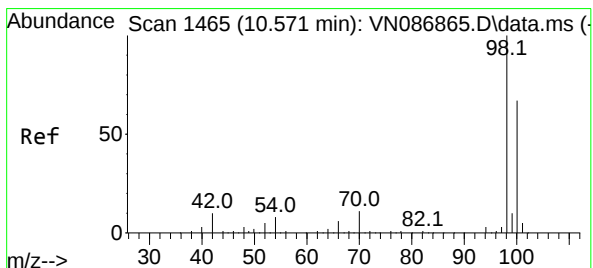
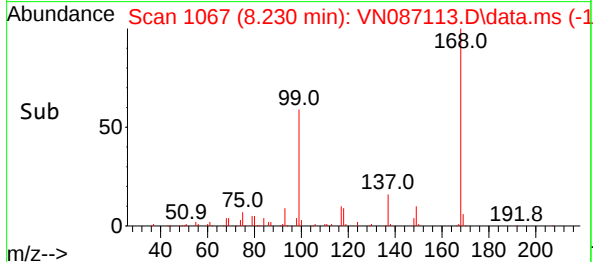
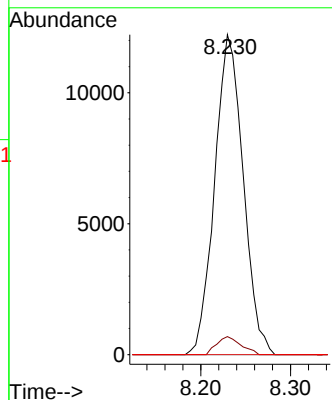
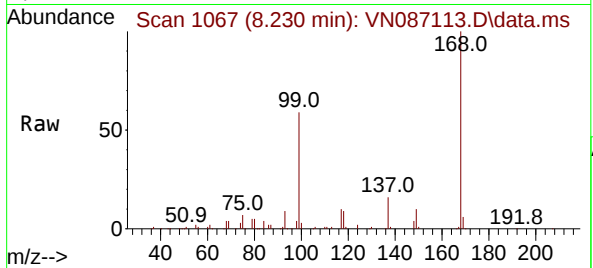




#38
Carbon Tetrachloride
Concen: 5.577 ug/l
RT: 8.230 min Scan# 1091
Delta R.T. -0.141 min
Lab File: VN087113.D
Acq: 19 Jun 2025 15:45

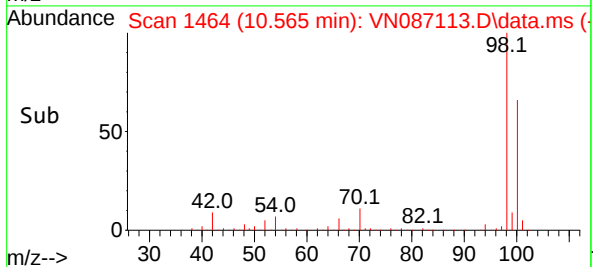
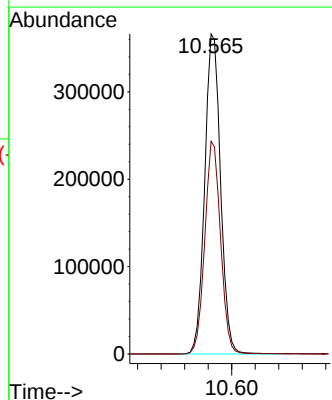
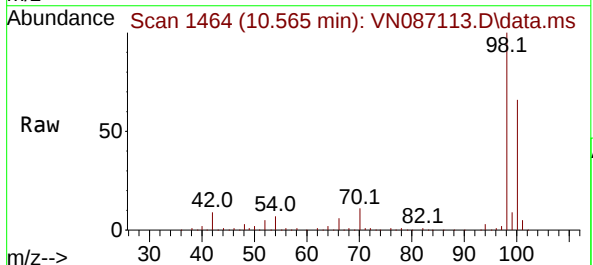
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ClientSampleId :
IBLK

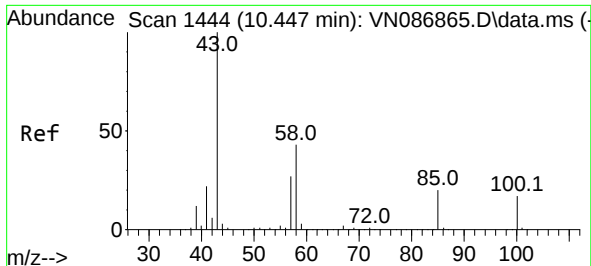
Tgt Ion:117 Resp: 26955
Ion Ratio Lower Upper
117 100
119 5.7 75.0 112.6#
121 0.0 24.9 37.3#



#50
Toluene-d8
Concen: 52.514 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VN087113.D
Acq: 19 Jun 2025 15:45

Tgt Ion: 98 Resp: 686809
Ion Ratio Lower Upper
98 100
100 66.1 53.4 80.0

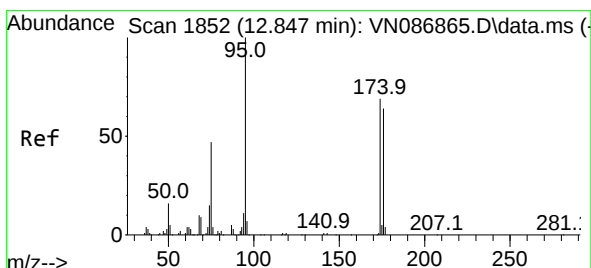
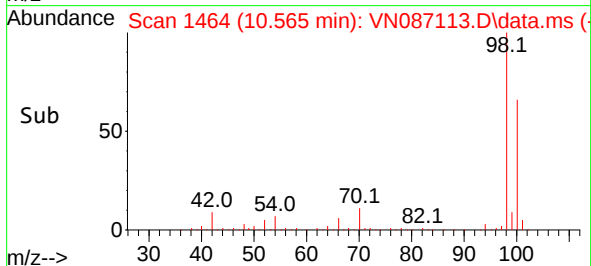
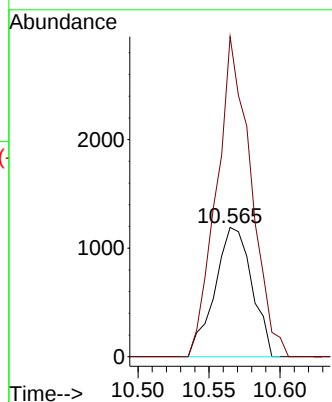
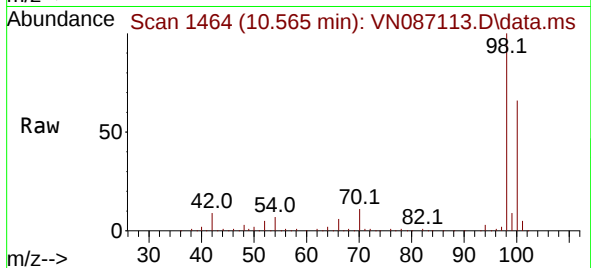




#51
4-Methyl-2-Pentanone
Concen: 0.357 ug/l
RT: 10.565 min Scan# 1444
Delta R.T. 0.118 min
Lab File: VN087113.D
Acq: 19 Jun 2025 15:45

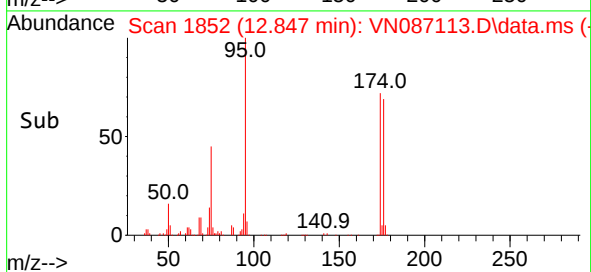
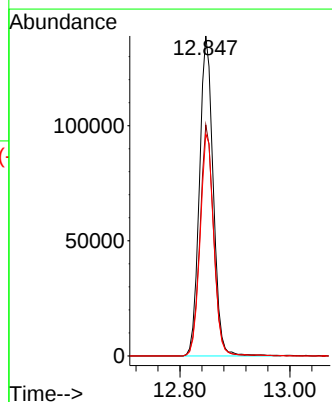
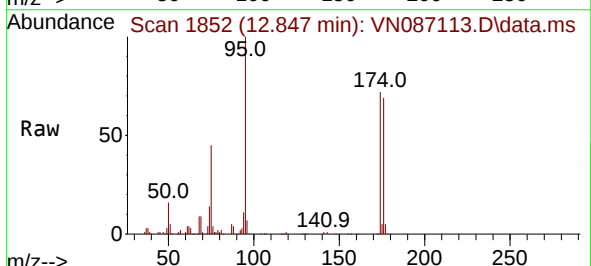
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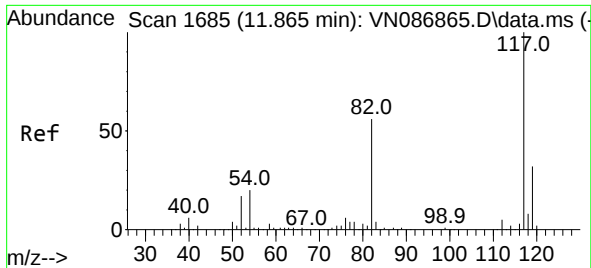
Tgt Ion: 43 Resp: 2161
Ion Ratio Lower Upper
43 100
58 229.8 34.2 51.4#



#62
4-Bromofluorobenzene
Concen: 49.778 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN087113.D
Acq: 19 Jun 2025 15:45

Tgt Ion: 95 Resp: 241874
Ion Ratio Lower Upper
95 100
174 71.1 0.0 141.8
176 68.8 0.0 132.6

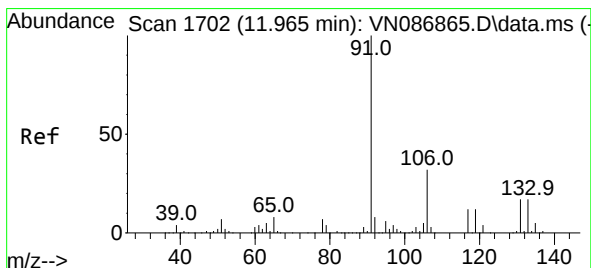
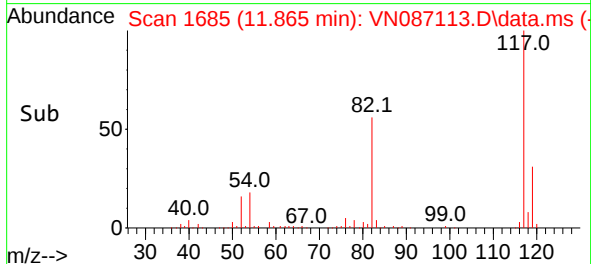
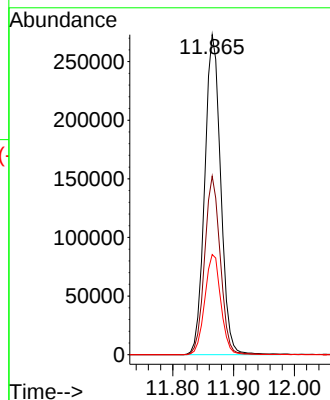
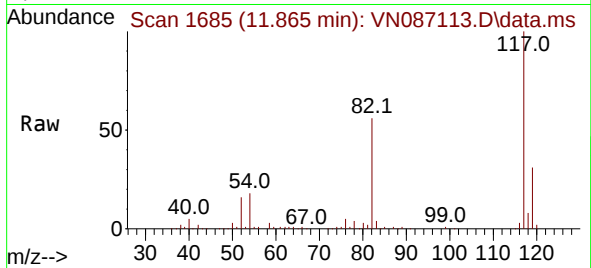




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN087113.D
Acq: 19 Jun 2025 15:45

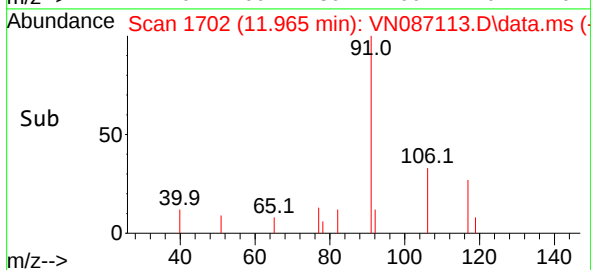
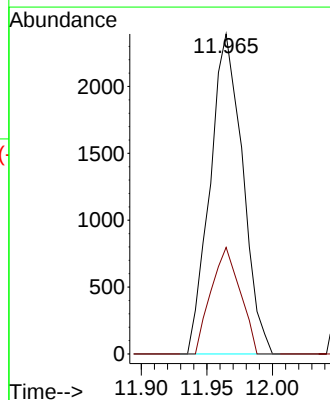
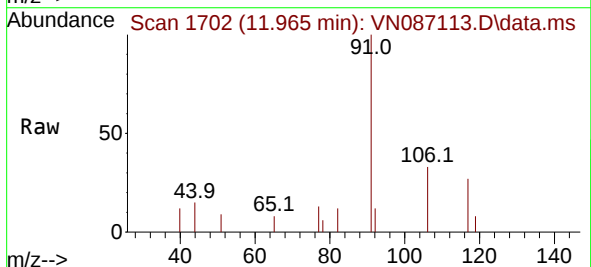
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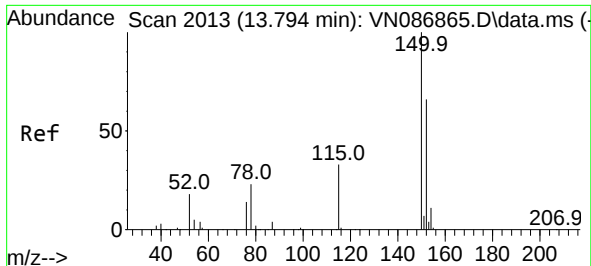
Tgt Ion:117 Resp: 498501
Ion Ratio Lower Upper
117 100
82 55.8 44.6 67.0
119 31.3 25.5 38.3



#67
Ethyl Benzene
Concen: 0.218 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. -0.000 min
Lab File: VN087113.D
Acq: 19 Jun 2025 15:45

Tgt Ion: 91 Resp: 4132
Ion Ratio Lower Upper
91 100
106 33.3 25.4 38.2

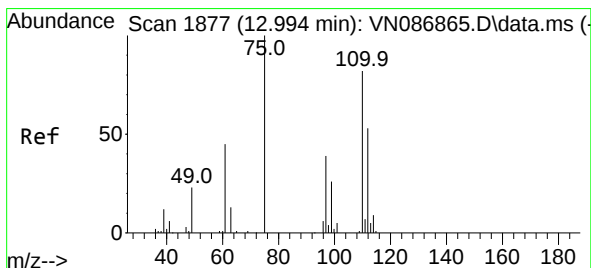
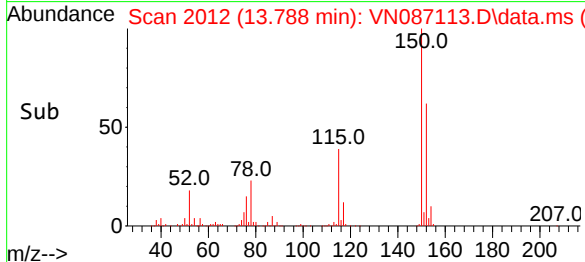
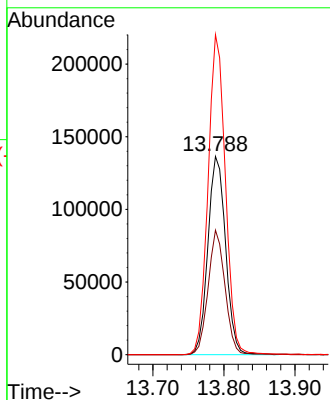
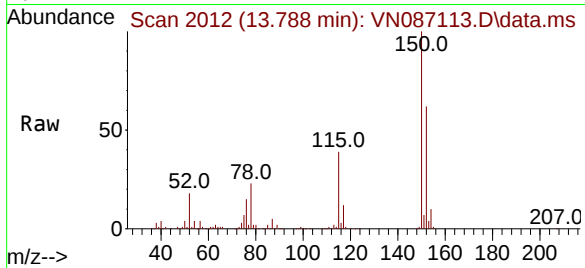




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 20
Delta R.T. -0.006 min
Lab File: VN087113.D
Acq: 19 Jun 2025 15:45

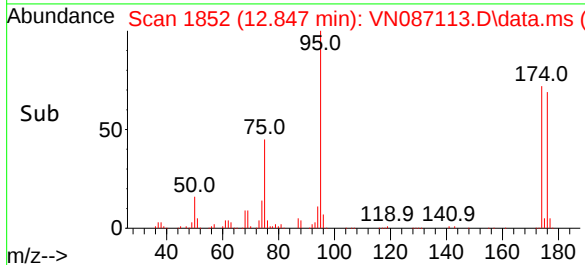
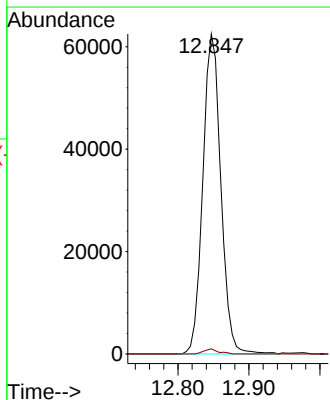
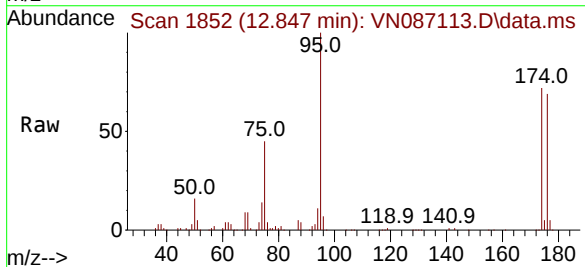
Instrument :
MSVOA_N
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IBLK

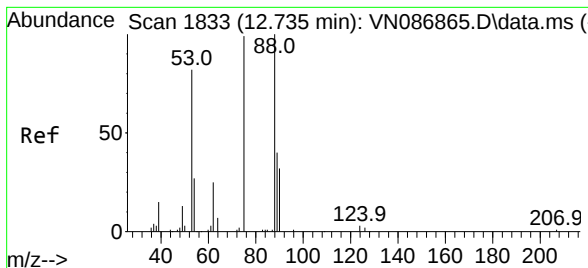
Tgt Ion:152 Resp: 236707
Ion Ratio Lower Upper
152 100
115 60.0 30.1 90.5
150 158.2 0.0 345.0



#76
1,2,3-Trichloropropane
Concen: 19.596 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN087113.D
Acq: 19 Jun 2025 15:45

Tgt Ion: 75 Resp: 110259
Ion Ratio Lower Upper
75 100
77 1.3 79.3 237.9#

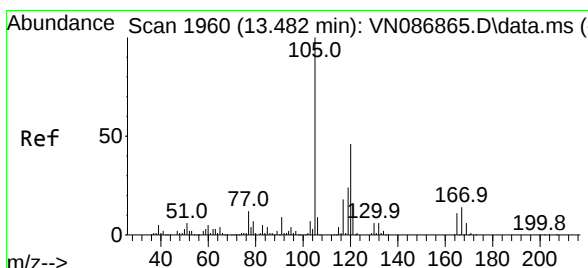
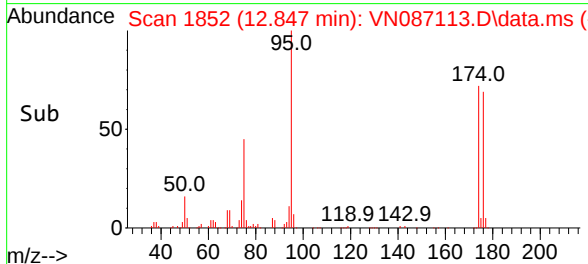
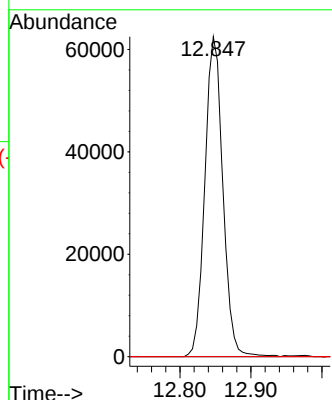
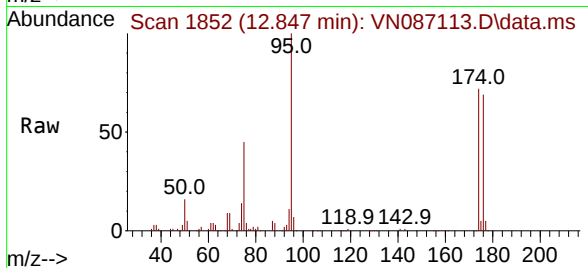




#81
trans-1,4-Dichloro-2-butene
Concen: 45.109 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN087113.D
Acq: 19 Jun 2025 15:45

Instrument :
MSVOA_N
ClientSampleId :
IBLK

Tgt Ion: 75 Resp: 110259
Ion Ratio Lower Upper
75 100
53 0.0 66.6 99.8#
89 0.0 36.7 55.1#



#84
1,2,4-Trimethylbenzene
Concen: 0.506 ug/l
RT: 13.476 min Scan# 1959
Delta R.T. -0.006 min
Lab File: VN087113.D
Acq: 19 Jun 2025 15:45

Tgt Ion: 105 Resp: 7224
Ion Ratio Lower Upper
105 100
120 47.8 23.2 69.6

