

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062025\
 Data File : VN087145.D
 Acq On : 20 Jun 2025 17:13
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Jun 20 23:10:14 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)

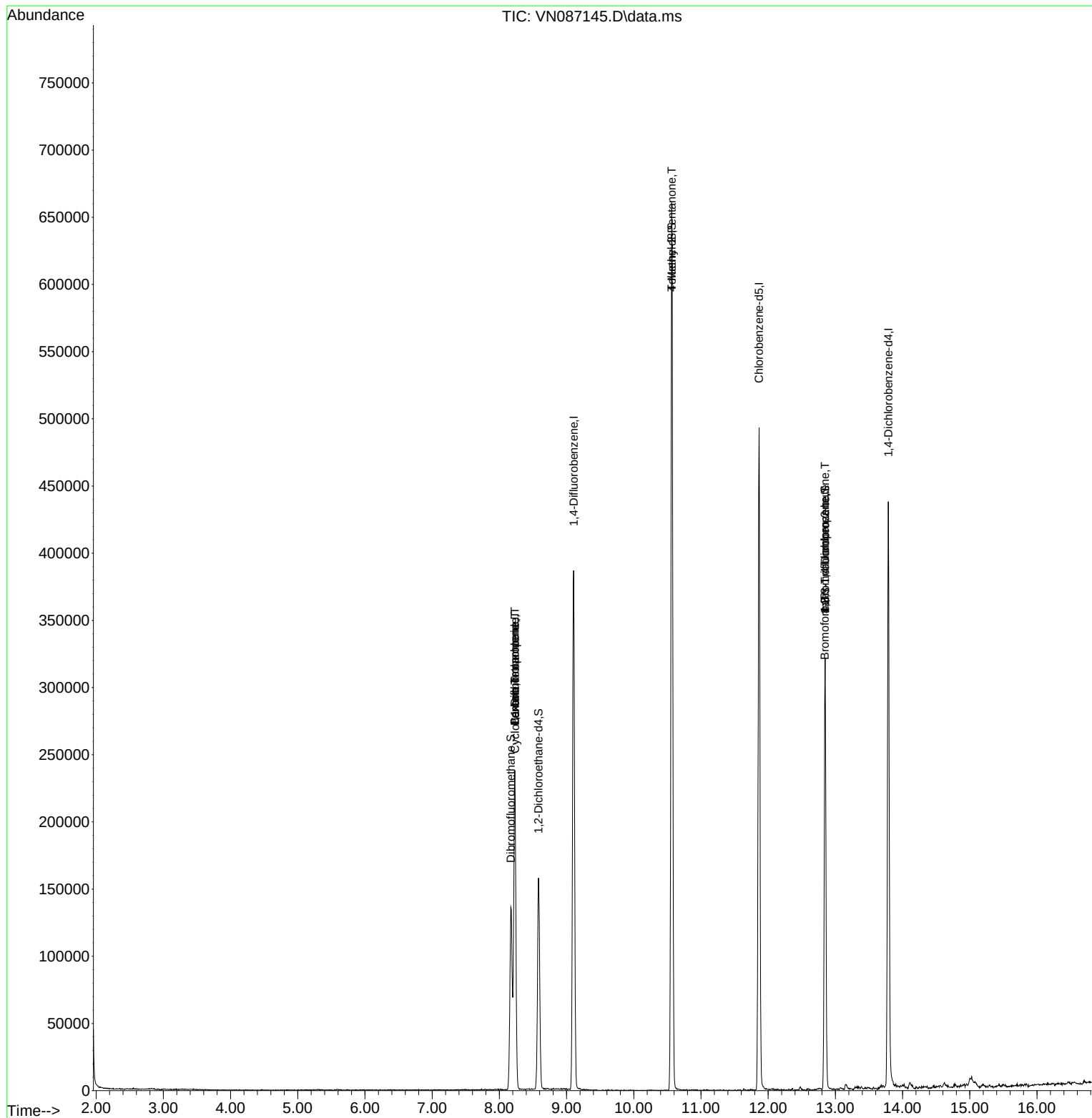
Internal Standards						
1) Pentafluorobenzene	8.230	168	190611	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	373296	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	319742	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	126893	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	127399	49.920	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	99.840%
35) Dibromofluoromethane	8.171	113	105803	47.826	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.660%
50) Toluene-d8	10.565	98	493623	56.365	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	112.720%
62) 4-Bromofluorobenzene	12.847	95	129391	39.767	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	79.540%
Target Compounds						
					Qvalue	
31) Cyclohexane	8.235	56	3083	0.745	ug/l #	1
36) 1,1-Dichloropropene	8.230	75	13126	3.982	ug/l #	49
38) Carbon Tetrachloride	8.230	117	18132	5.603	ug/l #	17
51) 4-Methyl-2-Pentanone	10.565	43	1406	0.347	ug/l #	1
71) Bromoform	12.841	173	1092	0.650	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	58166	19.284	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	58166	44.391	ug/l #	16

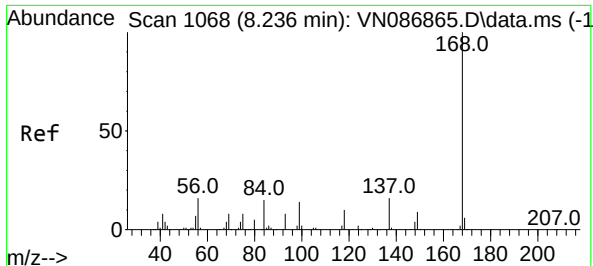
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

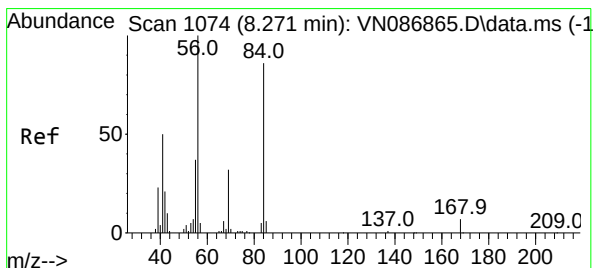
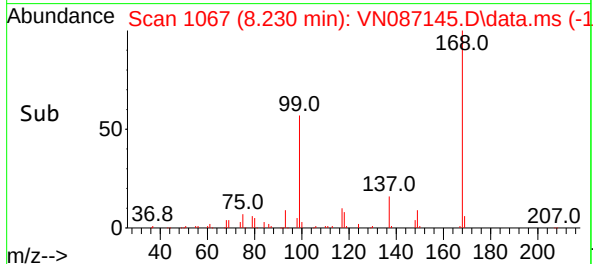
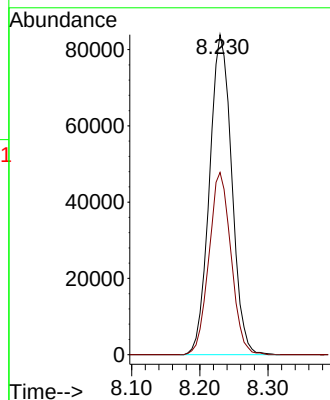
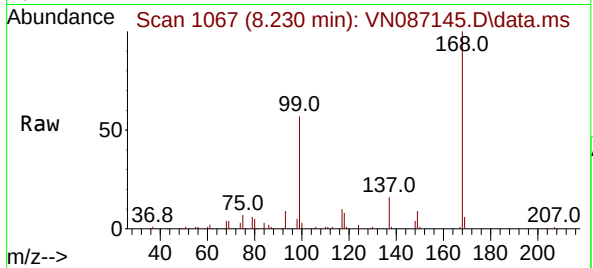




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1068
Delta R.T. -0.006 min
Lab File: VN087145.D
Acq: 20 Jun 2025 17:13

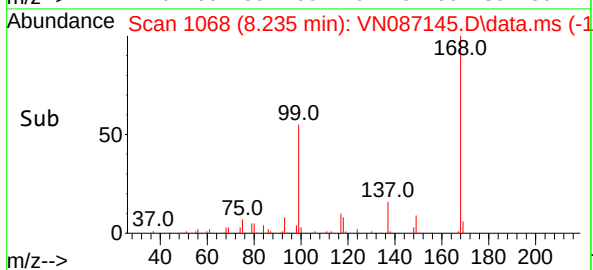
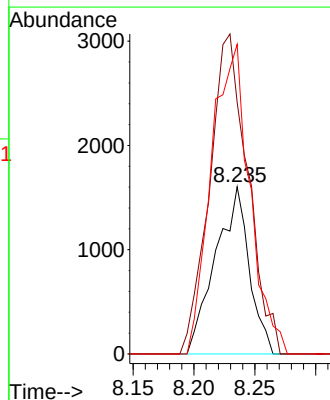
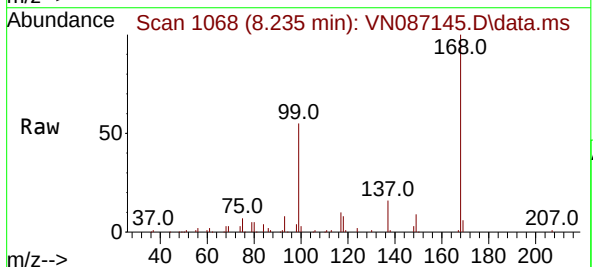
Instrument :
MSVOA_N
ClientSampleId :
IBLK

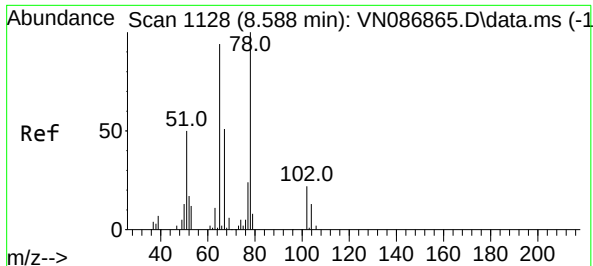
Tgt Ion:168 Resp: 190611
Ion Ratio Lower Upper
168 100
99 57.0 49.1 73.7



#31
Cyclohexane
Concen: 0.745 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.035 min
Lab File: VN087145.D
Acq: 20 Jun 2025 17:13

Tgt Ion: 56 Resp: 3083
Ion Ratio Lower Upper
56 100
69 150.6 25.4 38.0#
84 185.2 68.8 103.2#





#33

1,2-Dichloroethane-d4

Concen: 49.920 ug/l

RT: 8.582 min Scan# 1128

Delta R.T. -0.006 min

Lab File: VN087145.D

Acq: 20 Jun 2025 17:13

Instrument :

MSVOA_N

ClientSampleId :

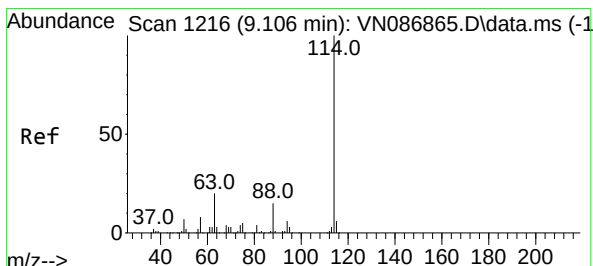
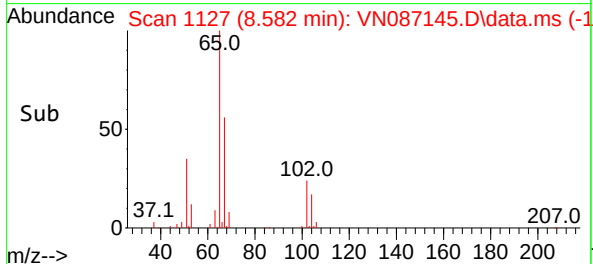
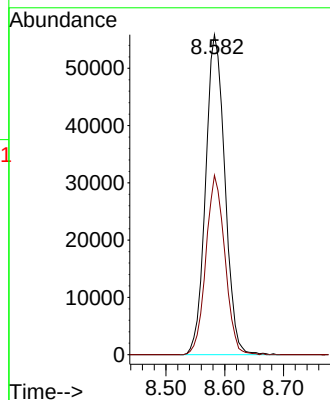
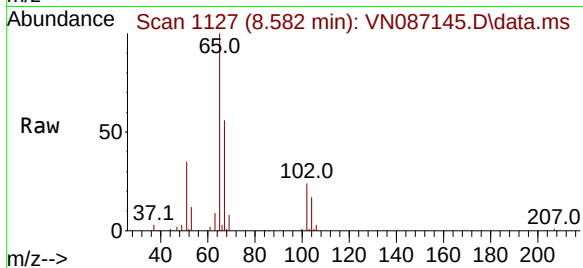
IBLK

Tgt Ion: 65 Resp: 127399

Ion Ratio Lower Upper

65 100

67 55.2 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: VN087145.D

Acq: 20 Jun 2025 17:13

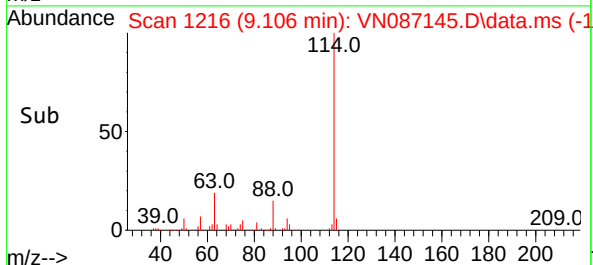
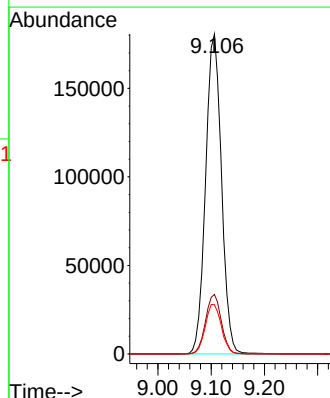
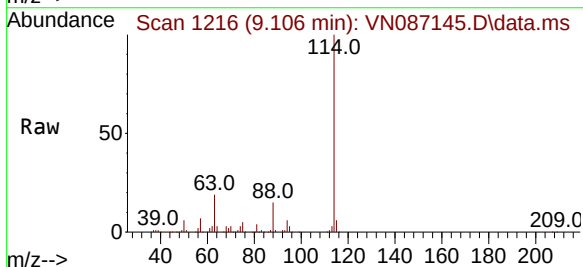
Tgt Ion: 114 Resp: 373296

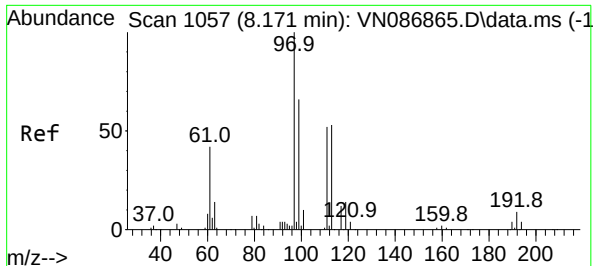
Ion Ratio Lower Upper

114 100

63 18.6 0.0 39.6

88 15.4 0.0 30.2





#35

Dibromofluoromethane

Concen: 47.826 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VN087145.D

Acq: 20 Jun 2025 17:13

Instrument :

MSVOA_N

ClientSampleId :

IBLK

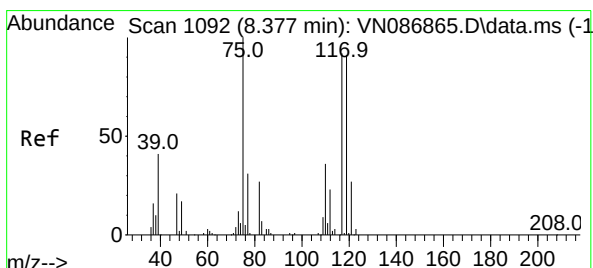
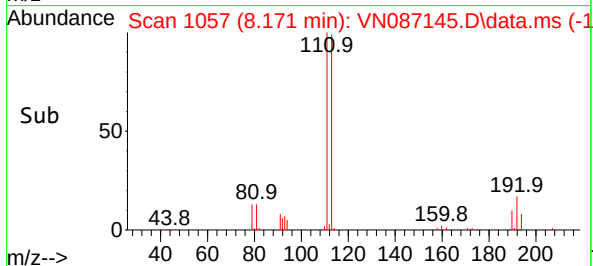
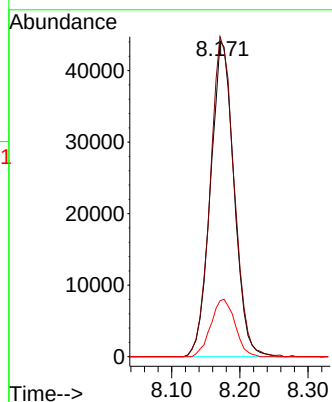
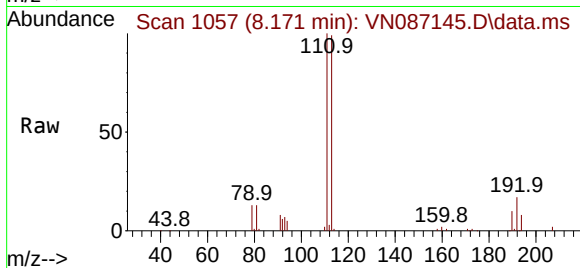
Tgt Ion:113 Resp: 105803

Ion Ratio Lower Upper

113 100

111 102.9 84.2 126.2

192 18.7 14.2 21.4



#36

1,1-Dichloropropene

Concen: 3.982 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.147 min

Lab File: VN087145.D

Acq: 20 Jun 2025 17:13

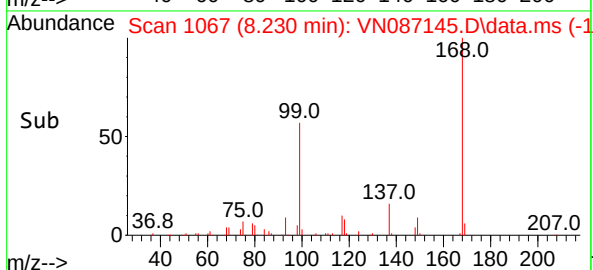
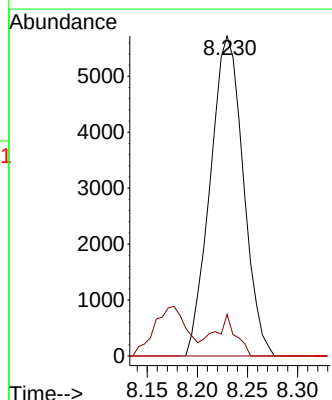
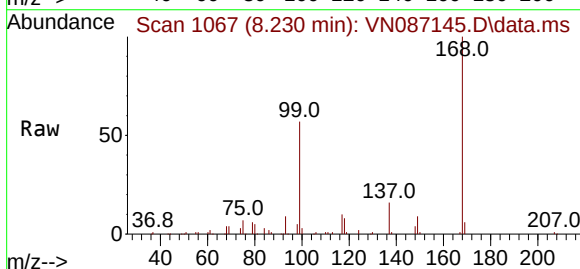
Tgt Ion: 75 Resp: 13126

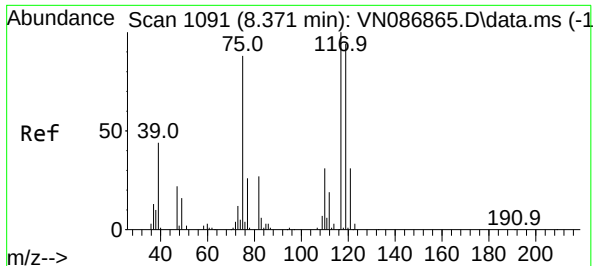
Ion Ratio Lower Upper

75 100

110 8.6 17.6 52.9#

77 0.0 25.3 37.9#

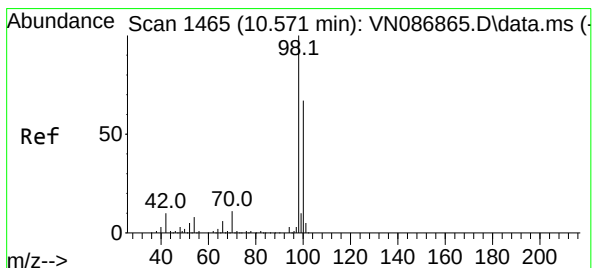
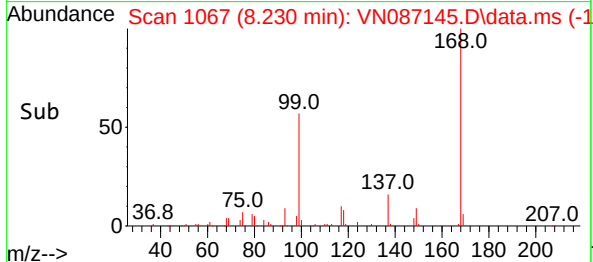
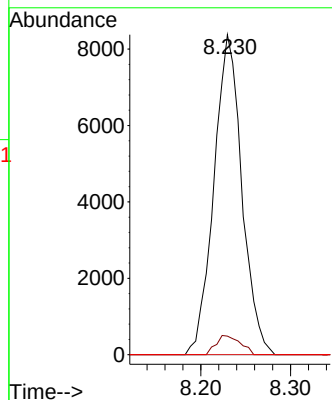
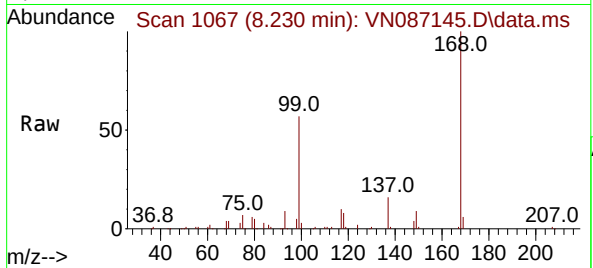




#38
Carbon Tetrachloride
Concen: 5.603 ug/l
RT: 8.230 min Scan# 1091
Delta R.T. -0.141 min
Lab File: VN087145.D
Acq: 20 Jun 2025 17:13

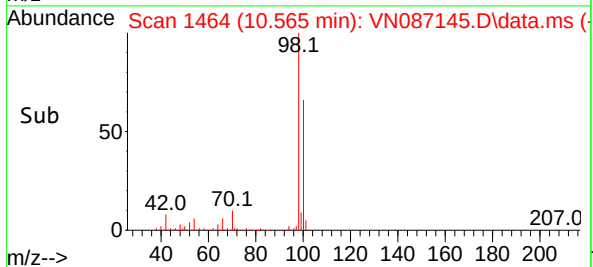
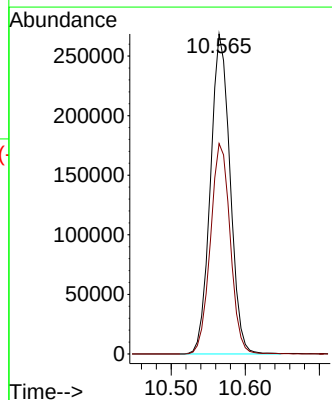
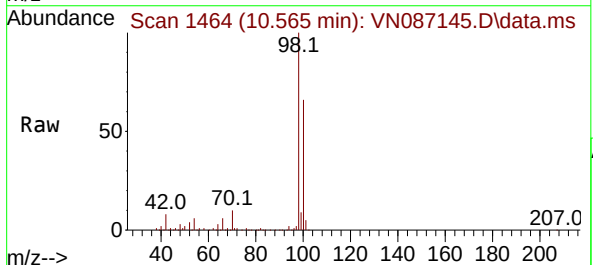
Instrument :
MSVOA_N
ClientSampleId :
IBLK

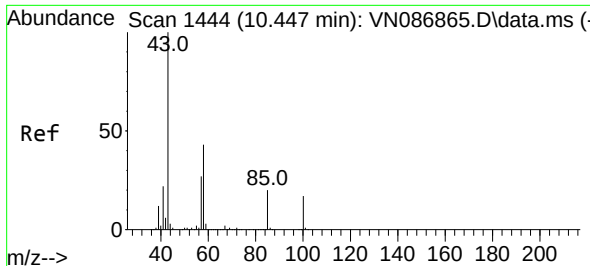
Tgt Ion:117 Resp: 18132
Ion Ratio Lower Upper
117 100
119 5.8 75.0 112.6#
121 0.0 24.9 37.3#



#50
Toluene-d8
Concen: 56.365 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VN087145.D
Acq: 20 Jun 2025 17:13

Tgt Ion: 98 Resp: 493623
Ion Ratio Lower Upper
98 100
100 66.4 53.4 80.0

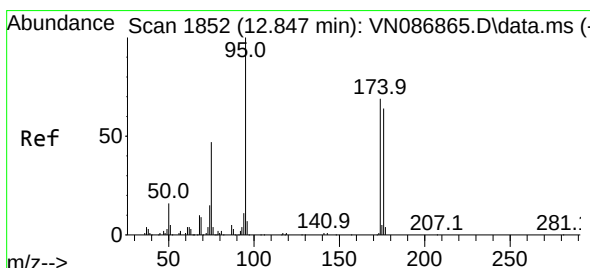
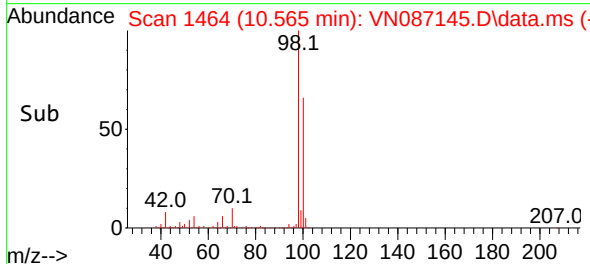
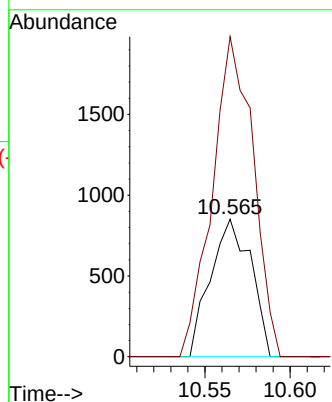
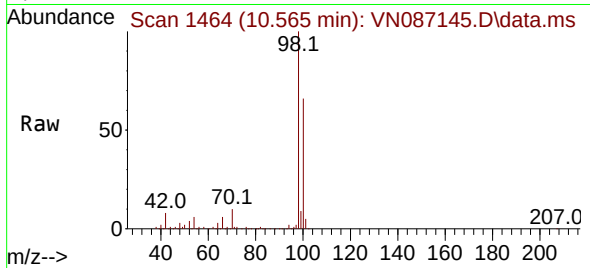




#51
4-Methyl-2-Pentanone
Concen: 0.347 ug/l
RT: 10.565 min Scan# 1444
Delta R.T. 0.118 min
Lab File: VN087145.D
Acq: 20 Jun 2025 17:13

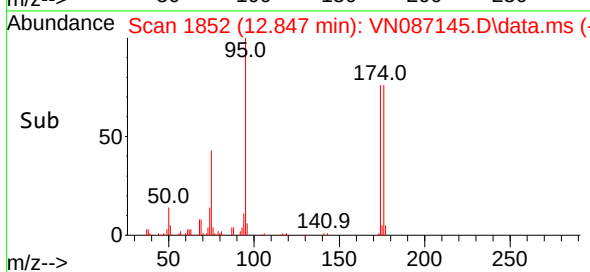
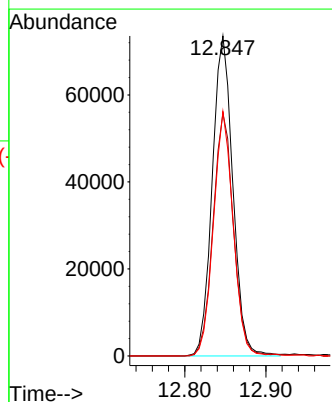
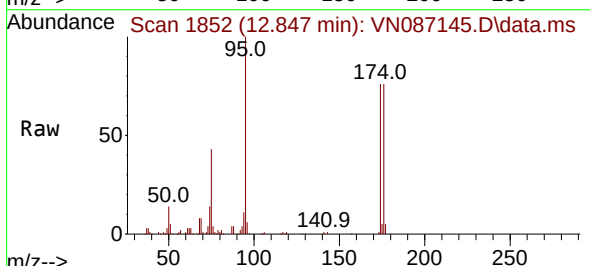
Instrument :
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ClientSampleId :
IBLK

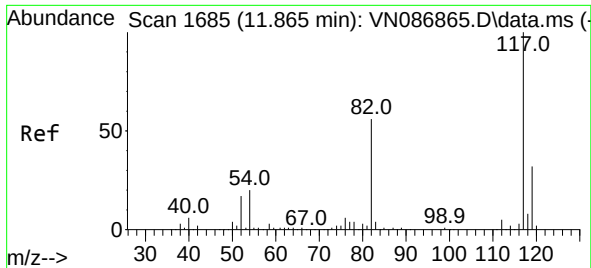
Tgt Ion: 43 Resp: 1406
Ion Ratio Lower Upper
43 100
58 234.7 34.2 51.4#



#62
4-Bromofluorobenzene
Concen: 39.767 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN087145.D
Acq: 20 Jun 2025 17:13

Tgt Ion: 95 Resp: 129391
Ion Ratio Lower Upper
95 100
174 75.1 0.0 141.8
176 73.3 0.0 132.6

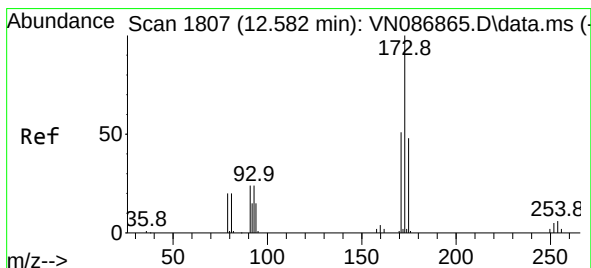
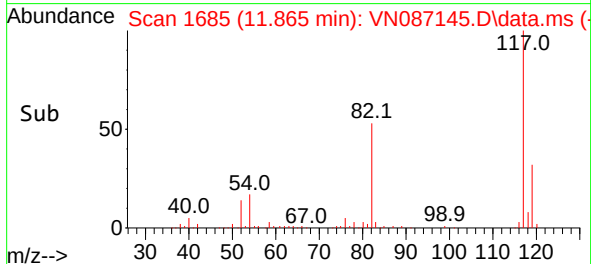
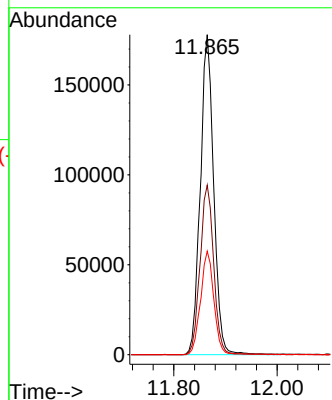
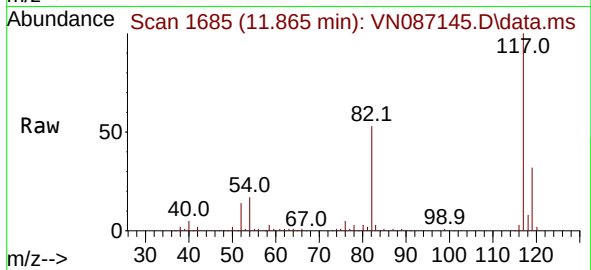




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN087145.D
Acq: 20 Jun 2025 17:13

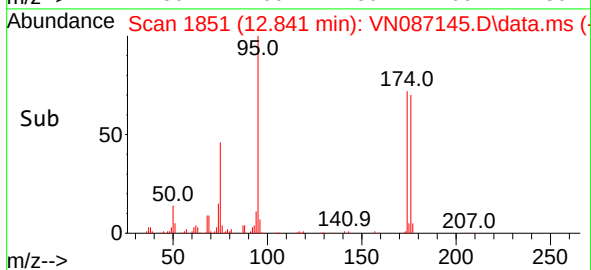
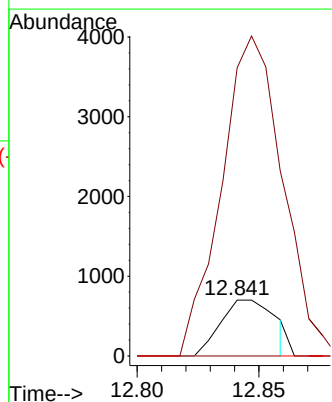
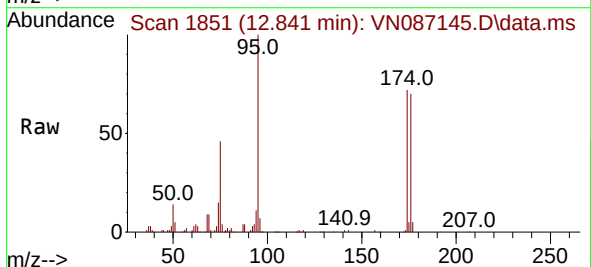
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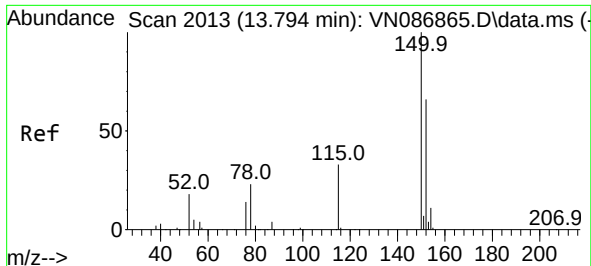
Tgt Ion:117 Resp: 319742
Ion Ratio Lower Upper
117 100
82 53.0 44.6 67.0
119 32.3 25.5 38.3



#71
Bromoform
Concen: 0.650 ug/l
RT: 12.841 min Scan# 1851
Delta R.T. 0.259 min
Lab File: VN087145.D
Acq: 20 Jun 2025 17:13

Tgt Ion:173 Resp: 1092
Ion Ratio Lower Upper
173 100
175 569.8 24.1 72.4#
254 0.0 0.0 0.0

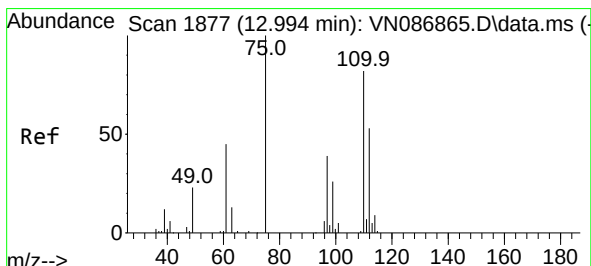
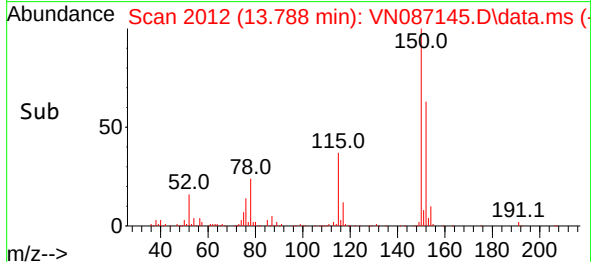
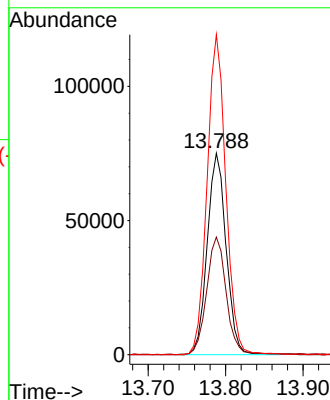
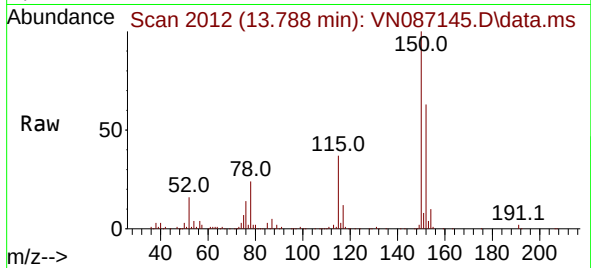




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 20
 Delta R.T. -0.006 min
 Lab File: VN087145.D
 Acq: 20 Jun 2025 17:13

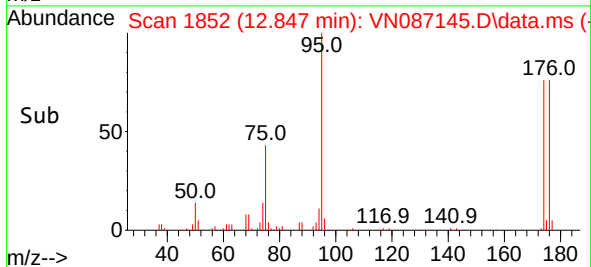
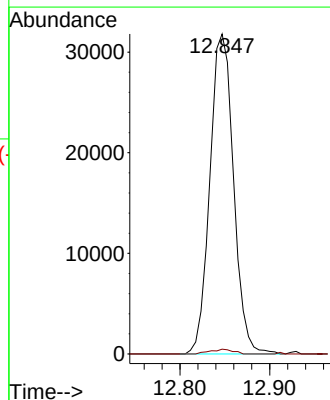
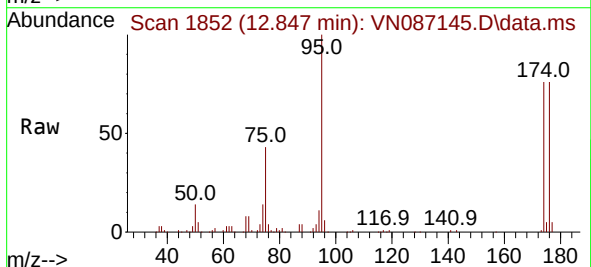
Instrument :
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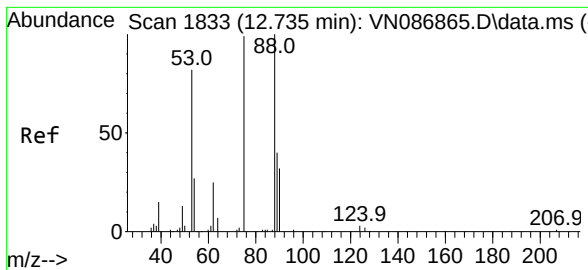
Tgt Ion:152 Resp: 126893
 Ion Ratio Lower Upper
 152 100
 115 60.8 30.1 90.5
 150 157.7 0.0 345.0



#76
 1,2,3-Trichloropropane
 Concen: 19.284 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.147 min
 Lab File: VN087145.D
 Acq: 20 Jun 2025 17:13

Tgt Ion: 75 Resp: 58166
 Ion Ratio Lower Upper
 75 100
 77 1.4 79.3 237.9#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 44.391 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN087145.D
 Acq: 20 Jun 2025 17:13

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Tgt Ion:	75	Resp:	58166
Ion Ratio	Lower	Upper	
75	100		
53	0.0	66.6	99.8#
89	0.0	36.7	55.1#

