

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070825\
 Data File : VN087304.D
 Acq On : 08 Jul 2025 17:00
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Jul 09 01:34:59 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N063025W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 01 03:15:00 2025
 Response via : Initial Calibration

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

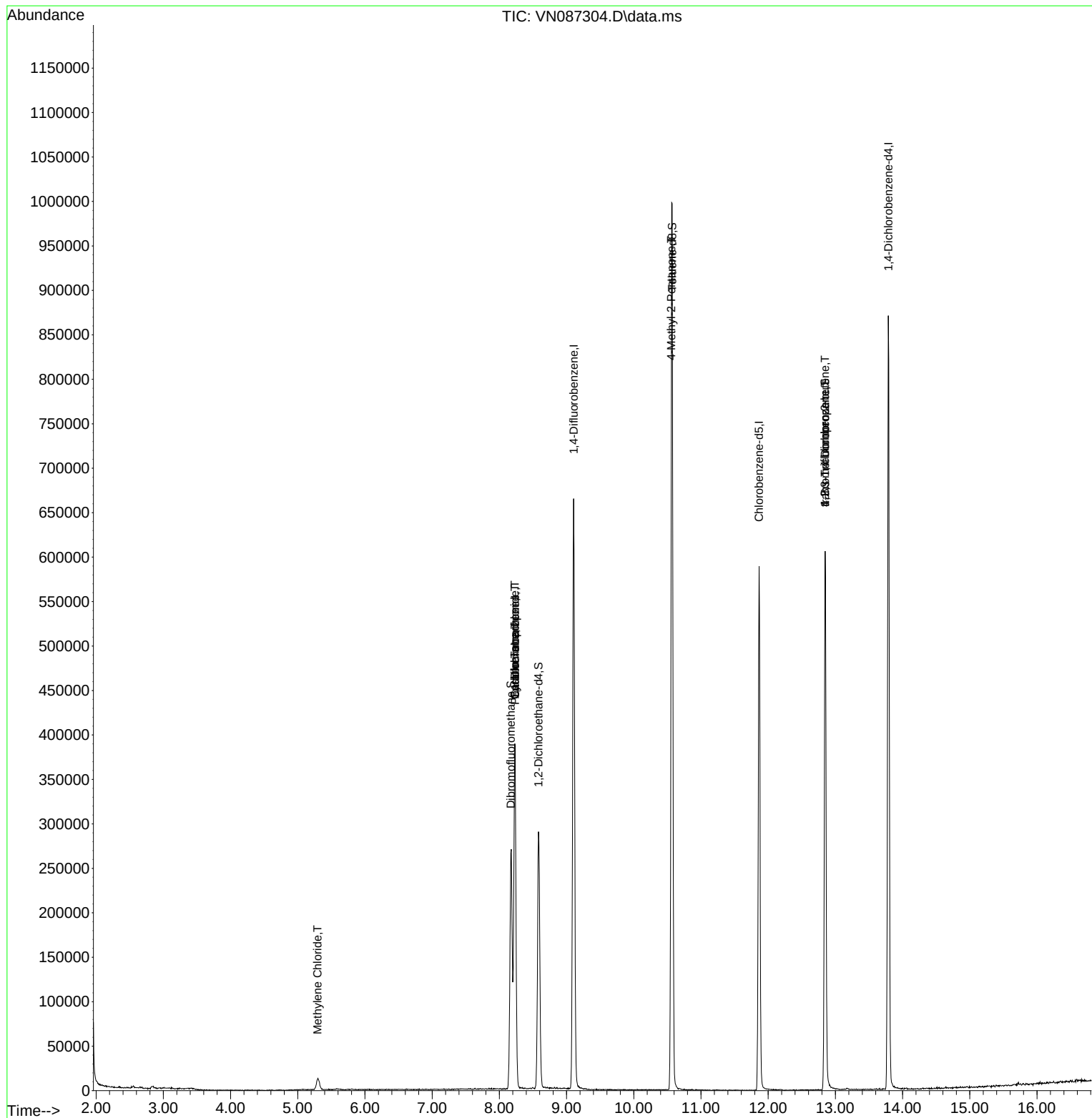
Internal Standards						
1) Pentafluorobenzene	8.235	168	300024	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	593922	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	359599	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	255360	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	251591	66.815	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 133.640%#	
35) Dibromofluoromethane	8.171	113	202843	53.339	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 106.680%	
50) Toluene-d8	10.571	98	724491	48.876	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 97.760%	
62) 4-Bromofluorobenzene	12.847	95	220885	41.881	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 83.760%	
Target Compounds						
					Qvalue	
20) Methylene Chloride	5.294	84	11239	3.524	ug/l	91
31) Cyclohexane	8.230	56	6409	1.250	ug/l #	1
36) 1,1-Dichloropropene	8.230	75	23073	4.462	ug/l #	48
38) Carbon Tetrachloride	8.230	117	29630	5.056	ug/l #	16
51) 4-Methyl-2-Pentanone	10.559	43	2942	0.558	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	113857	23.441	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	113857	55.061	ug/l #	14

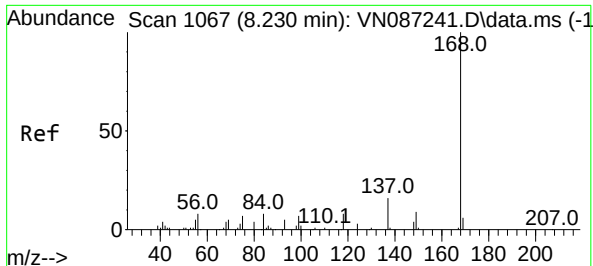
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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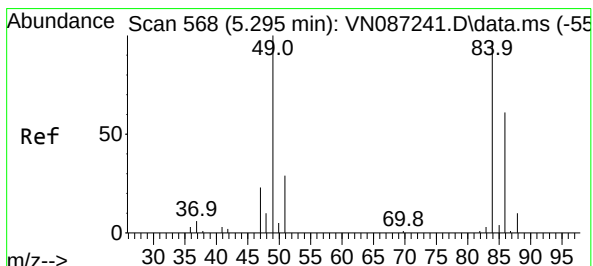
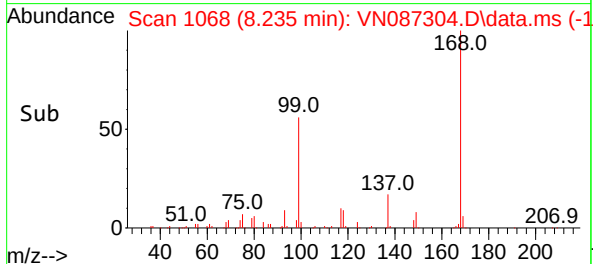
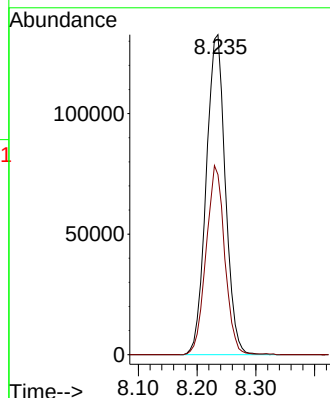
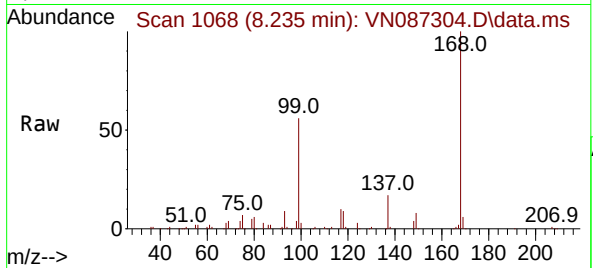




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 1067
Delta R.T. 0.005 min
Lab File: VN087304.D
Acq: 08 Jul 2025 17:00

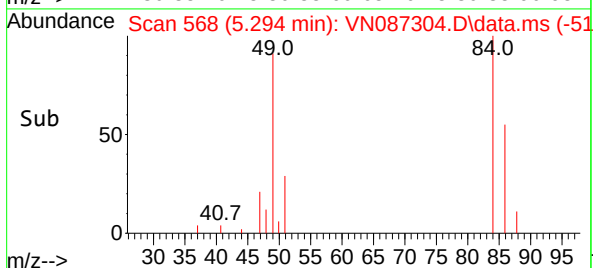
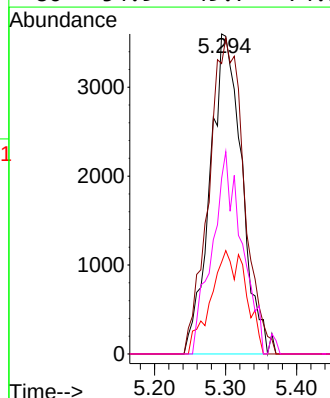
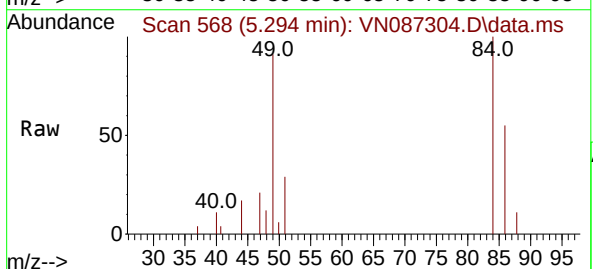
Instrument :
MSVOA_N
ClientSampleId :
IBLK

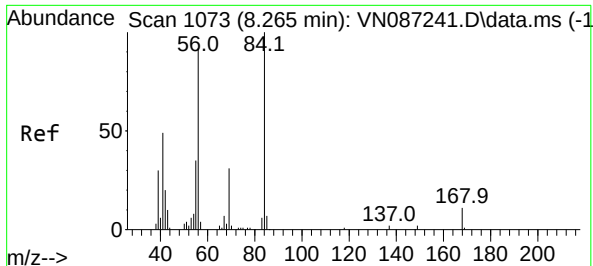
Tgt Ion:168 Resp: 300024
Ion Ratio Lower Upper
168 100
99 56.2 42.6 64.0



#20
Methylene Chloride
Concen: 3.524 ug/l
RT: 5.294 min Scan# 568
Delta R.T. -0.000 min
Lab File: VN087304.D
Acq: 08 Jul 2025 17:00

Tgt Ion: 84 Resp: 11239
Ion Ratio Lower Upper
84 100
49 90.8 82.1 123.1
51 28.7 23.5 35.3
86 54.9 49.7 74.5

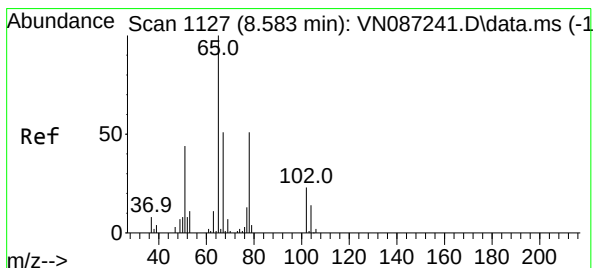
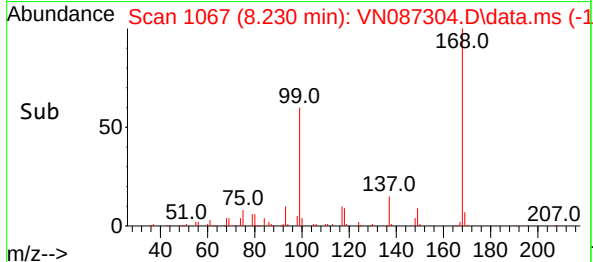
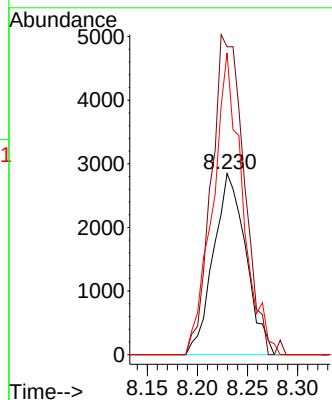
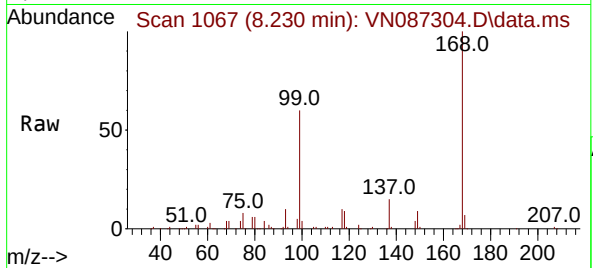




#31
Cyclohexane
Concen: 1.250 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.035 min
Lab File: VN087304.D
Acq: 08 Jul 2025 17:00

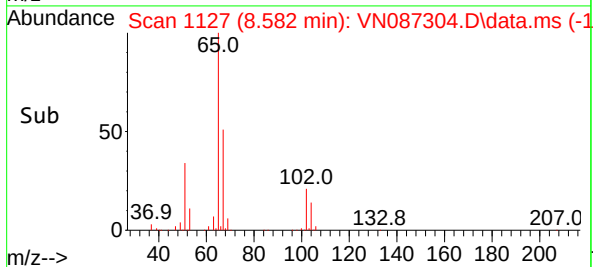
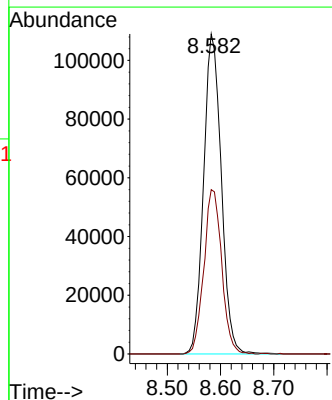
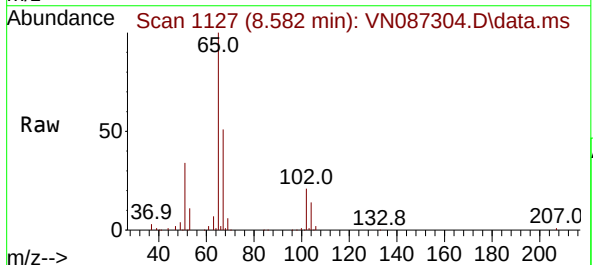
Instrument :
MSVOA_N
ClientSampleId :
IBLK

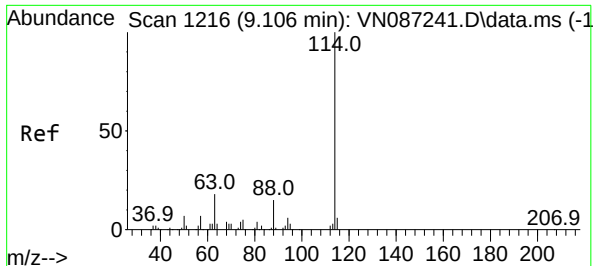
Tgt Ion: 56 Resp: 6409
Ion Ratio Lower Upper
56 100
69 169.9 27.0 40.6#
84 166.6 86.2 129.4#



#33
1,2-Dichloroethane-d4
Concen: 66.815 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. -0.000 min
Lab File: VN087304.D
Acq: 08 Jul 2025 17:00

Tgt Ion: 65 Resp: 251591
Ion Ratio Lower Upper
65 100
67 51.8 0.0 102.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN087304.D

Acq: 08 Jul 2025 17:00

Instrument :

MSVOA_N

ClientSampleId :

IBLK

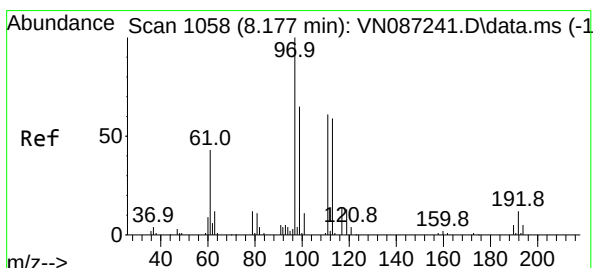
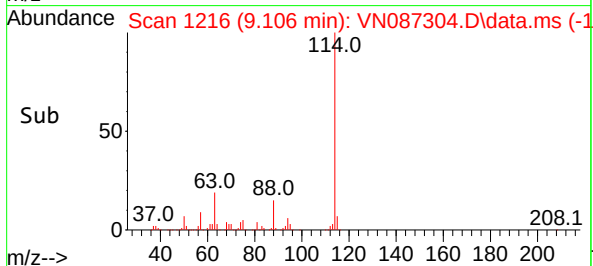
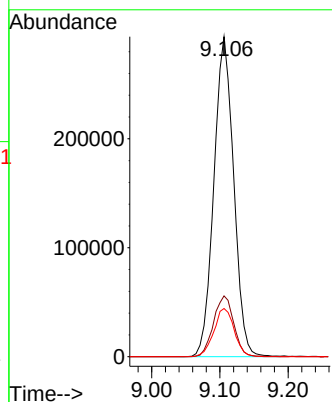
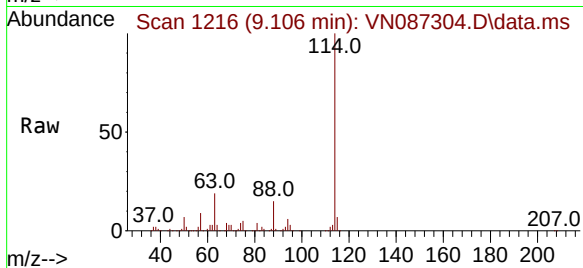
Tgt Ion:114 Resp: 593922

Ion Ratio Lower Upper

114 100

63 19.0 0.0 36.6

88 15.1 0.0 29.6



#35

Dibromofluoromethane

Concen: 53.339 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.006 min

Lab File: VN087304.D

Acq: 08 Jul 2025 17:00

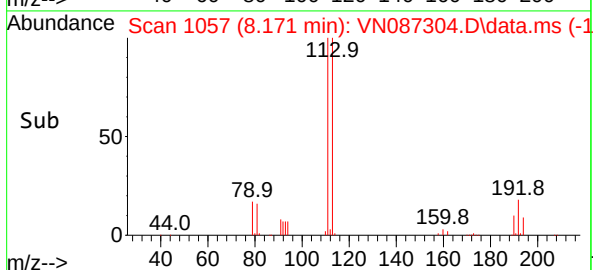
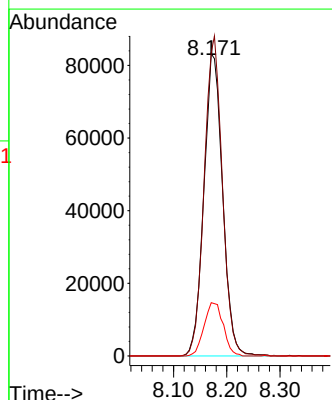
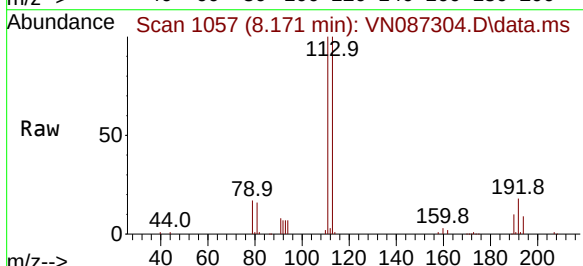
Tgt Ion:113 Resp: 202843

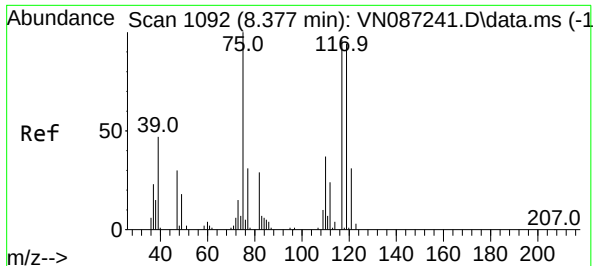
Ion Ratio Lower Upper

113 100

111 102.5 81.4 122.2

192 18.1 15.1 22.7





#36

1,1-Dichloropropene

Concen: 4.462 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.147 min

Lab File: VN087304.D

Acq: 08 Jul 2025 17:00

Instrument :

MSVOA_N

ClientSampleId :

IBLK

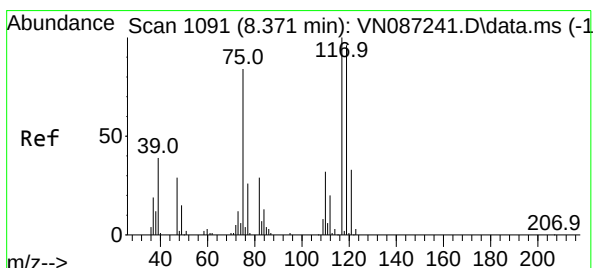
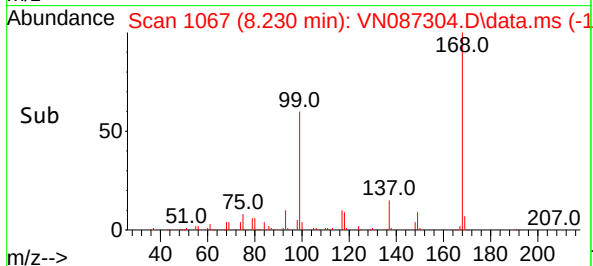
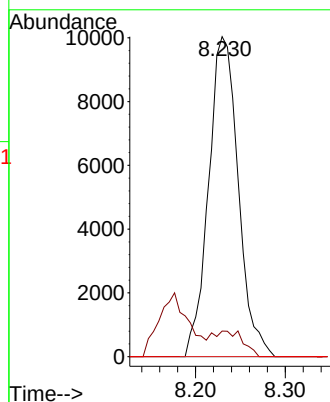
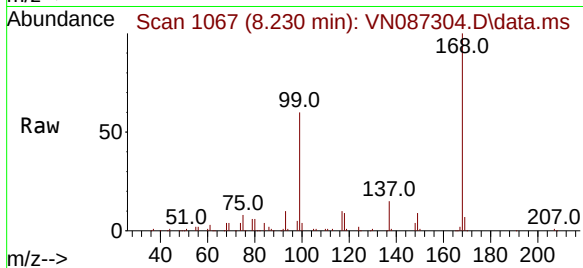
Tgt Ion: 75 Resp: 23073

Ion Ratio Lower Upper

75 100

110 8.2 18.7 56.1#

77 0.0 24.5 36.7#



#38

Carbon Tetrachloride

Concen: 5.056 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.141 min

Lab File: VN087304.D

Acq: 08 Jul 2025 17:00

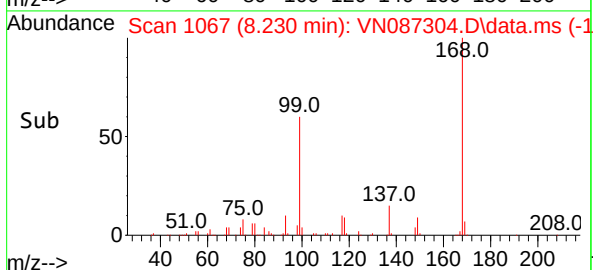
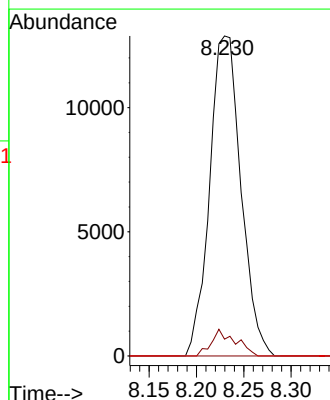
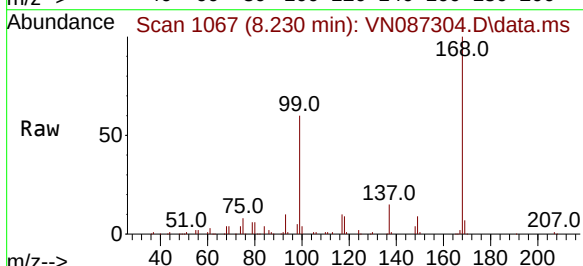
Tgt Ion: 117 Resp: 29630

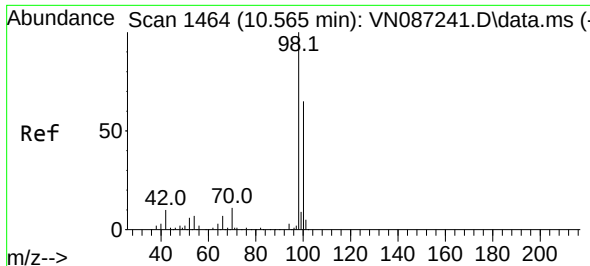
Ion Ratio Lower Upper

117 100

119 5.2 77.2 115.8#

121 0.0 26.6 39.8#

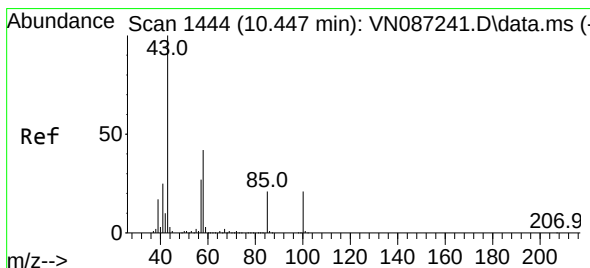
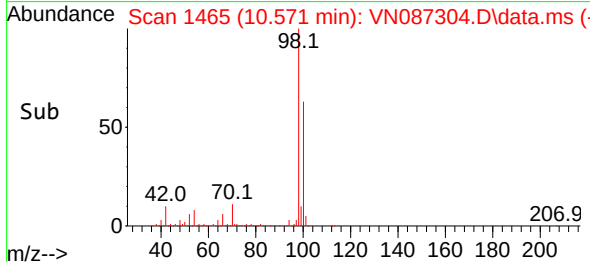
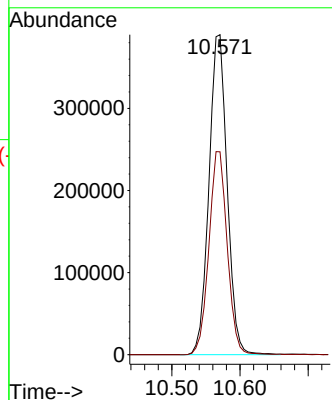
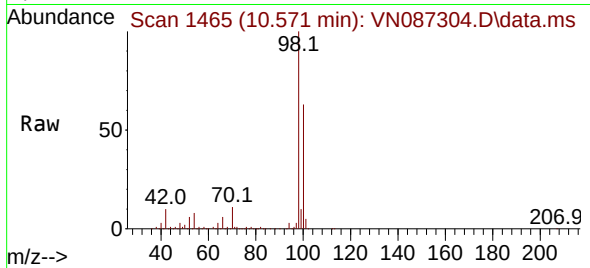




#50
Toluene-d8
Concen: 48.876 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN087304.D
Acq: 08 Jul 2025 17:00

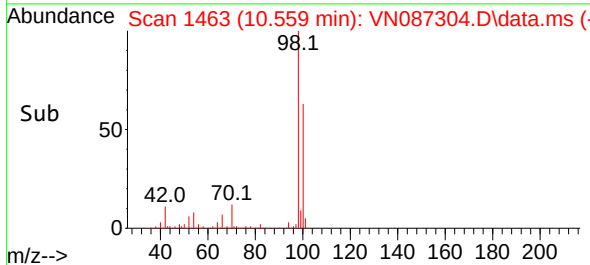
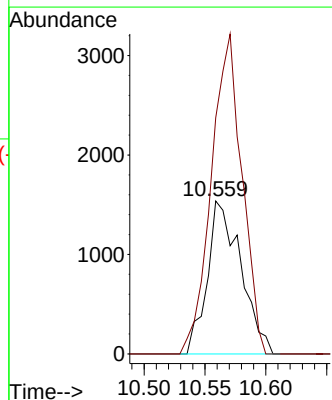
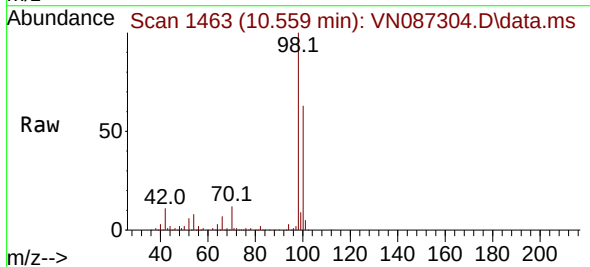
Instrument :
MSVOA_N
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IBLK

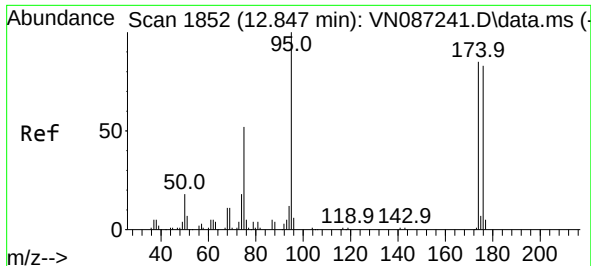
Tgt Ion: 98 Resp: 724491
Ion Ratio Lower Upper
98 100
100 64.0 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 0.558 ug/l
RT: 10.559 min Scan# 1463
Delta R.T. 0.112 min
Lab File: VN087304.D
Acq: 08 Jul 2025 17:00

Tgt Ion: 43 Resp: 2942
Ion Ratio Lower Upper
43 100
58 192.2 34.2 51.2#

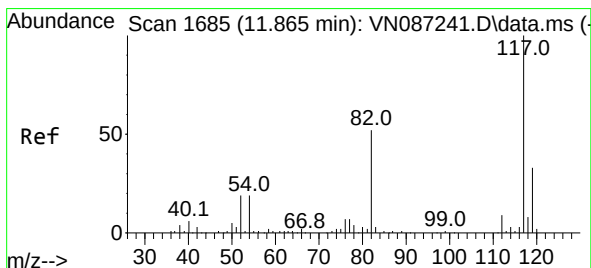
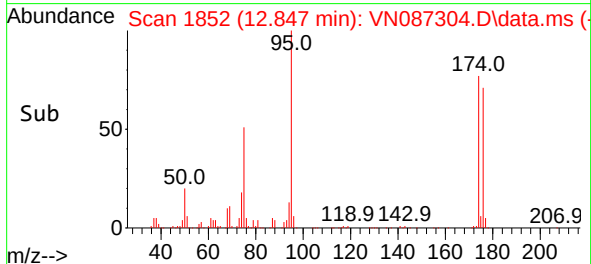
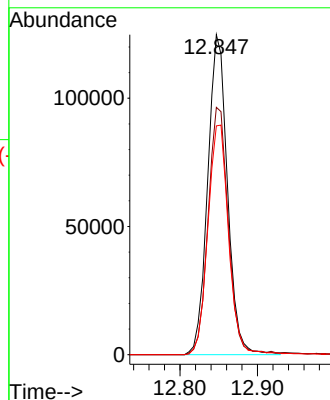
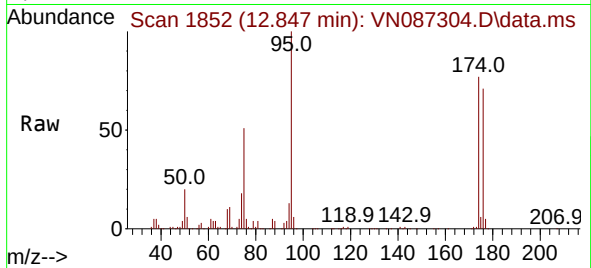




#62
4-Bromofluorobenzene
Concen: 41.881 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN087304.D
Acq: 08 Jul 2025 17:00

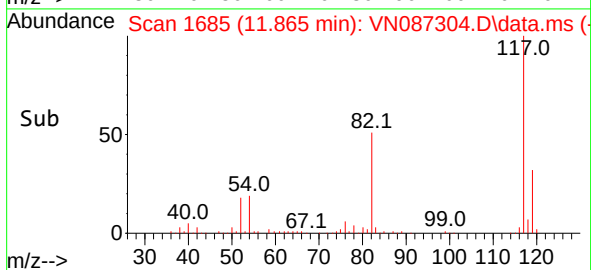
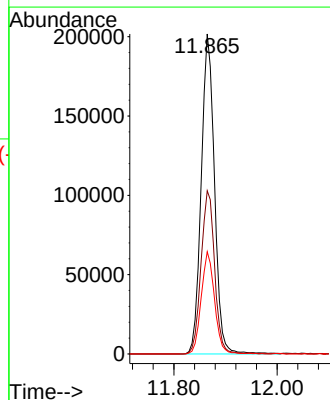
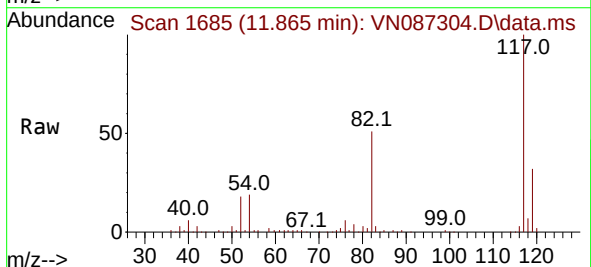
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MSVOA_N
ClientSampleId :
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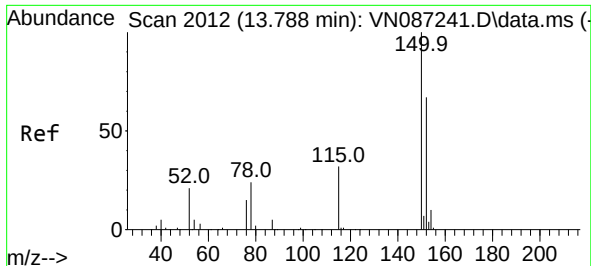
Tgt Ion: 95 Resp: 220885
Ion Ratio Lower Upper
95 100
174 79.9 0.0 169.6
176 75.5 0.0 161.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN087304.D
Acq: 08 Jul 2025 17:00

Tgt Ion: 117 Resp: 359599
Ion Ratio Lower Upper
117 100
82 51.0 41.9 62.9
119 32.0 26.2 39.4

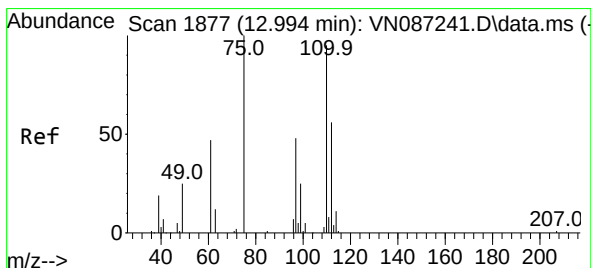
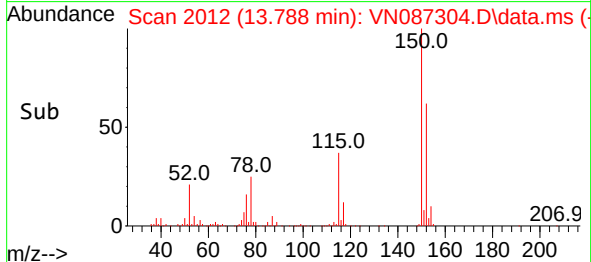
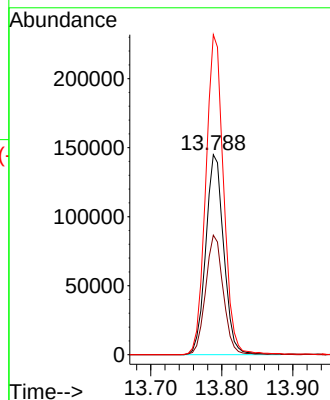
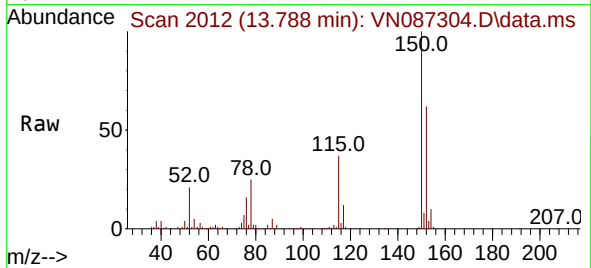




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 2012
 Delta R.T. -0.000 min
 Lab File: VN087304.D
 Acq: 08 Jul 2025 17:00

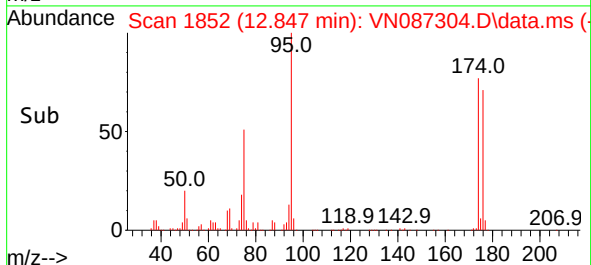
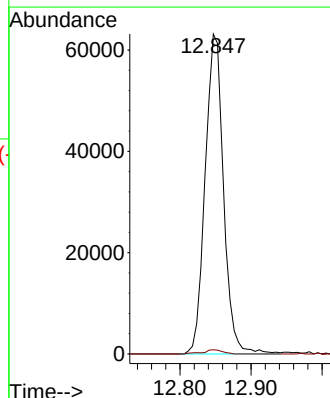
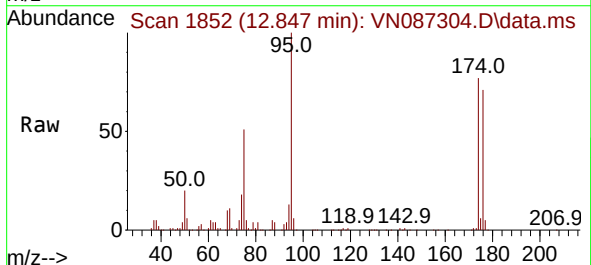
Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

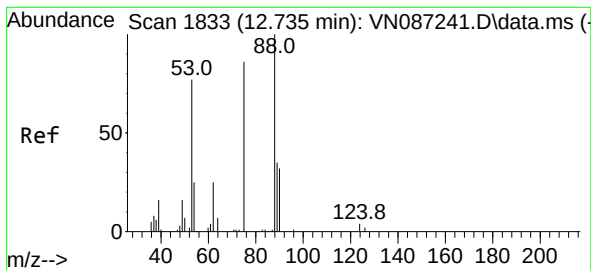
Tgt Ion:152 Resp: 255360
 Ion Ratio Lower Upper
 152 100
 115 58.8 28.3 84.9
 150 158.6 0.0 344.6



#76
 1,2,3-Trichloropropane
 Concen: 23.441 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.147 min
 Lab File: VN087304.D
 Acq: 08 Jul 2025 17:00

Tgt Ion: 75 Resp: 113857
 Ion Ratio Lower Upper
 75 100
 77 1.4 82.0 245.8#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 55.061 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN087304.D
 Acq: 08 Jul 2025 17:00

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Tgt Ion: 75 Resp: 113857
 Ion Ratio Lower Upper
 75 100
 53 0.2 70.6 105.8#
 89 0.0 36.1 54.1#

