

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091025\
 Data File : VN087787.D
 Acq On : 10 Sep 2025 17:32
 Operator : JC\MD
 Sample : VIBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VIBLK

Quant Time: Sep 11 02:08:20 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 22 02:55:42 2025
 Response via : Initial Calibration

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

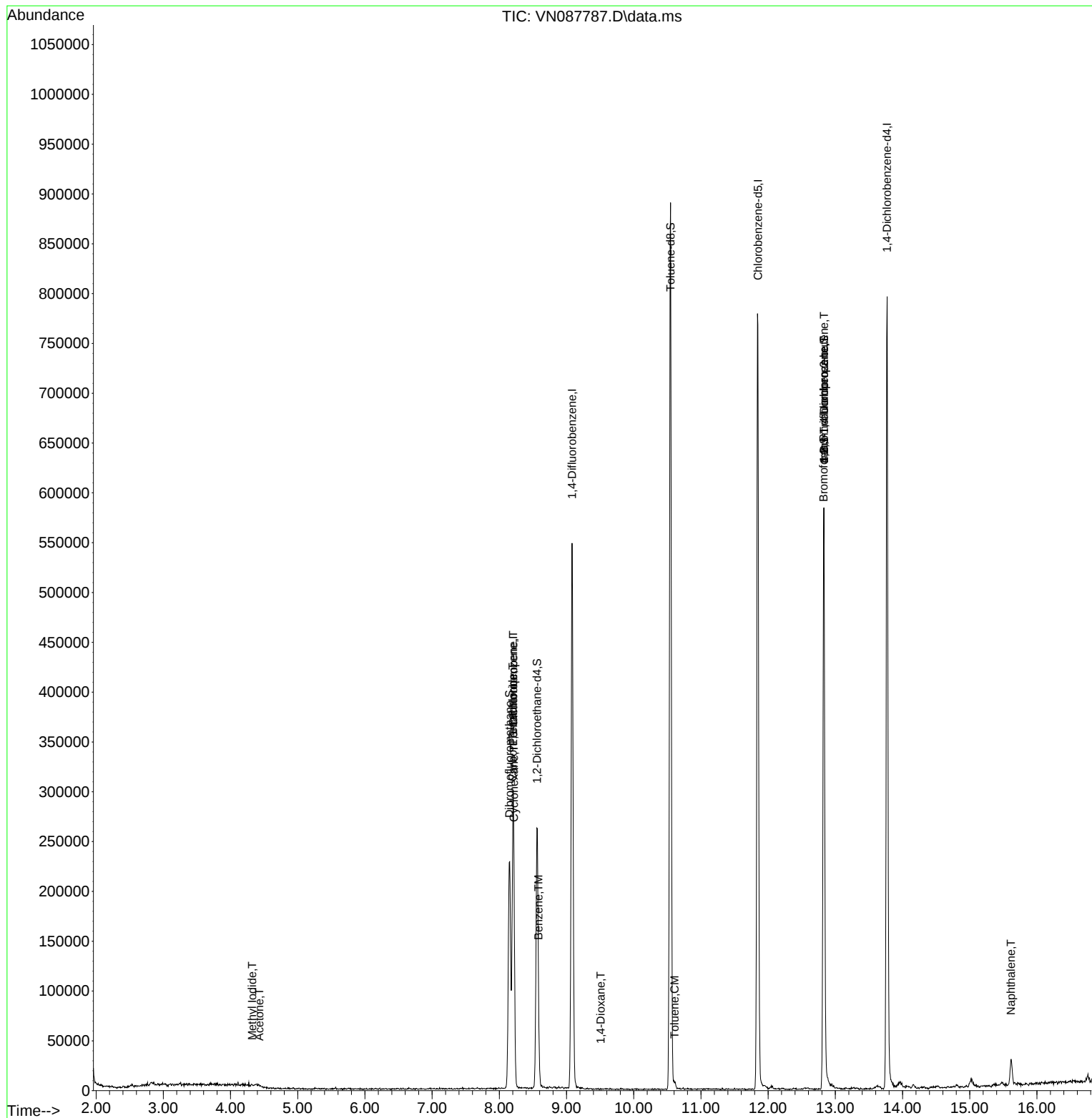
Internal Standards						
1) Pentafluorobenzene	8.206	168	204156	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	457601	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	437353	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.771	152	209026	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	215947	51.626	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.260%			
35) Dibromofluoromethane	8.147	113	167593	50.726	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.460%			
50) Toluene-d8	10.547	98	597869	48.349	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 96.700%			
62) 4-Bromofluorobenzene	12.829	95	208301	47.366	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 94.740%			
Target Compounds			Qvalue			
10) Methyl Iodide	4.324	142	62	6.835	ug/l #	38
16) Acetone	4.430	43	1439	0.632	ug/l #	47
20) Methylene Chloride	5.265	84	160	Below Cal	#	26
31) Cyclohexane	8.218	56	6090	1.158	ug/l #	50
36) 1,1-Dichloropropene	8.206	75	18738	3.697	ug/l #	51
38) Carbon Tetrachloride	8.200	117	23620	4.720	ug/l #	15
40) Benzene	8.583	78	4058	0.261	ug/l	100
49) 1,4-Dioxane	9.506	88	90	1.358	ug/l #	13
52) Toluene	10.606	92	2985	0.310	ug/l #	73
71) Bromoform	12.823	173	1596	0.576	ug/l #	1
76) 1,2,3-Trichloropropane	12.829	75	115169	23.495	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.829	75	115169	62.201	ug/l #	1
95) Naphthalene	15.612	128	27720	1.752	ug/l	97

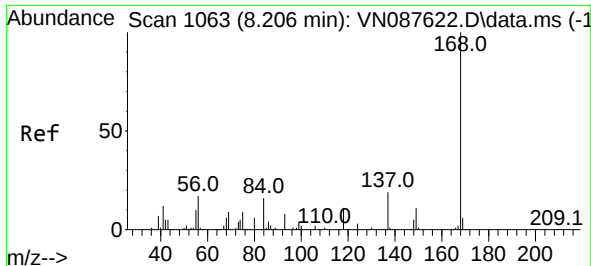
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:55:42 2025
Response via : Initial Calibration

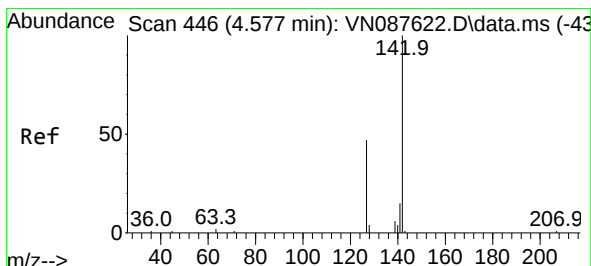
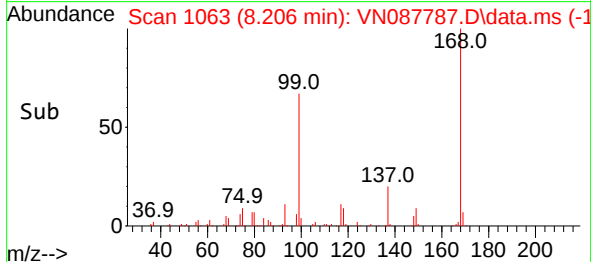
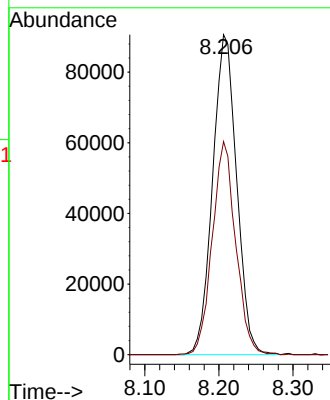
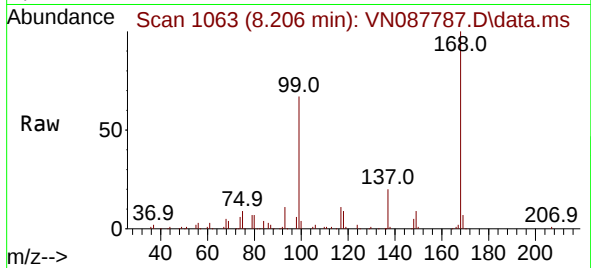




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN087787.D
Acq: 10 Sep 2025 17:32

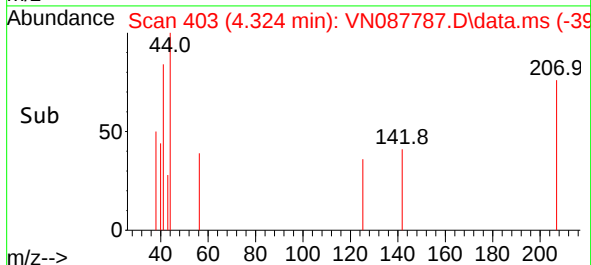
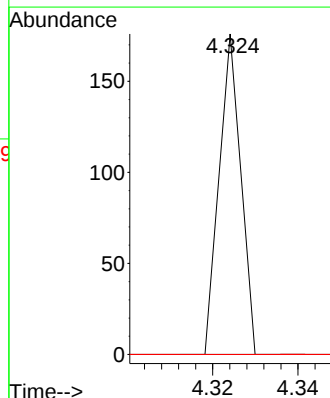
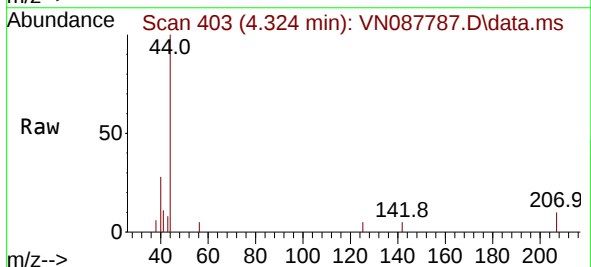
Instrument :
MSVOA_N
ClientSampleId :
VIBLK

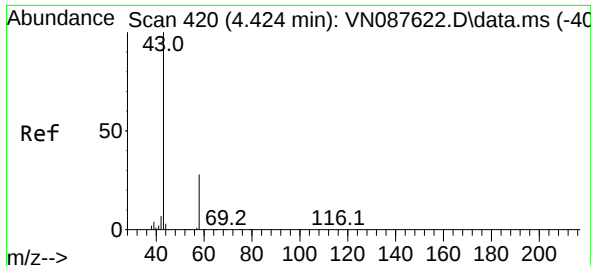
Tgt Ion:168 Resp: 204156
Ion Ratio Lower Upper
168 100
99 66.6 57.2 85.8



#10
Methyl Iodide
Concen: 6.835 ug/l
RT: 4.324 min Scan# 403
Delta R.T. -0.253 min
Lab File: VN087787.D
Acq: 10 Sep 2025 17:32

Tgt Ion:142 Resp: 62
Ion Ratio Lower Upper
142 100
127 0.0 38.0 57.0#
141 0.0 12.0 18.0#

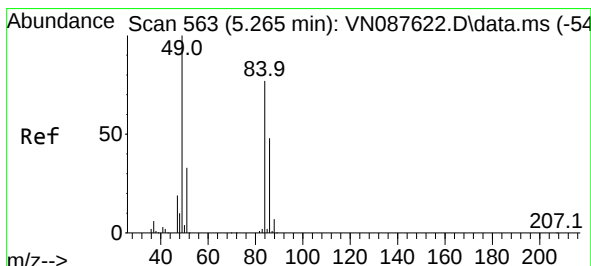
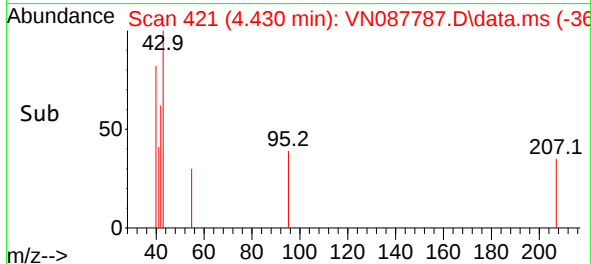
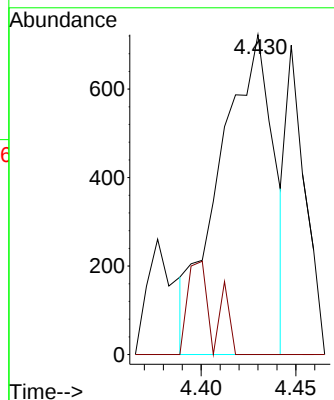
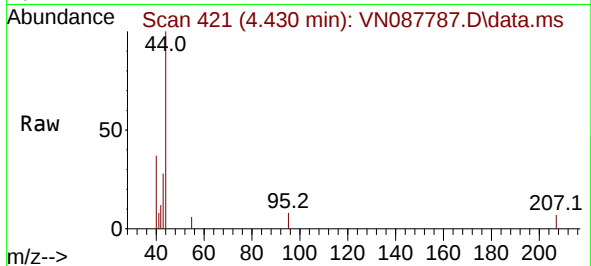




#16
Acetone
Concen: 0.632 ug/l
RT: 4.430 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN087787.D
Acq: 10 Sep 2025 17:32

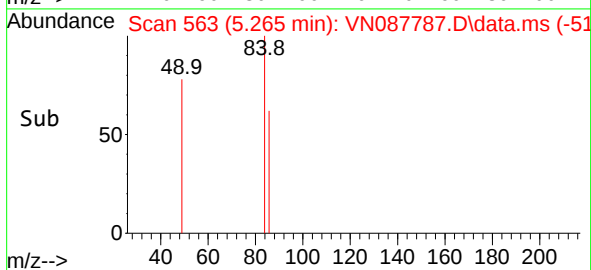
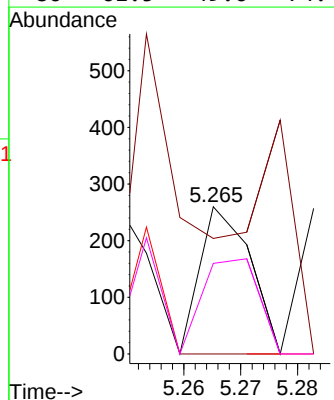
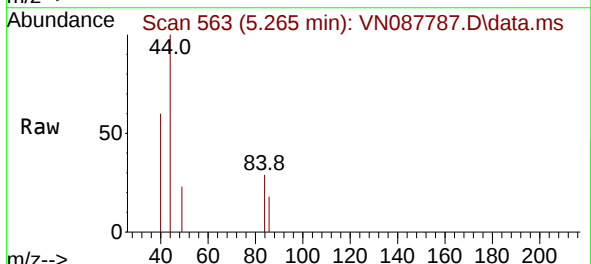
Instrument :
MSVOA_N
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VIBLK

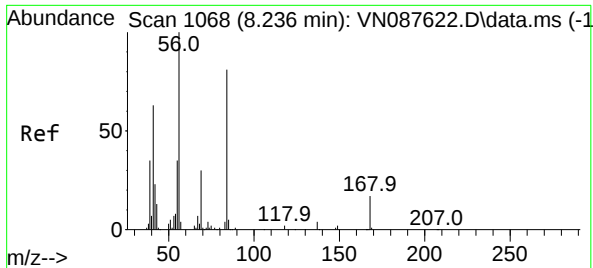
Tgt Ion: 43 Resp: 1439
Ion Ratio Lower Upper
43 100
58 0.0 22.6 33.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 5.265 min Scan# 563
Delta R.T. 0.000 min
Lab File: VN087787.D
Acq: 10 Sep 2025 17:32

Tgt Ion: 84 Resp: 160
Ion Ratio Lower Upper
84 100
49 0.0 103.4 155.2#
51 0.0 33.8 50.8#
86 61.5 49.6 74.4

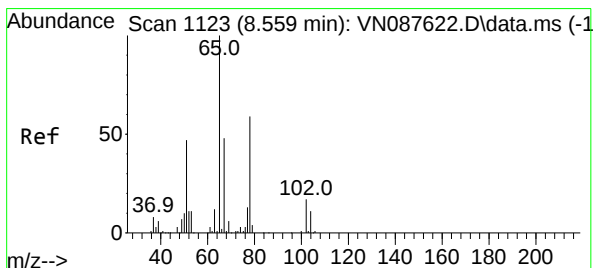
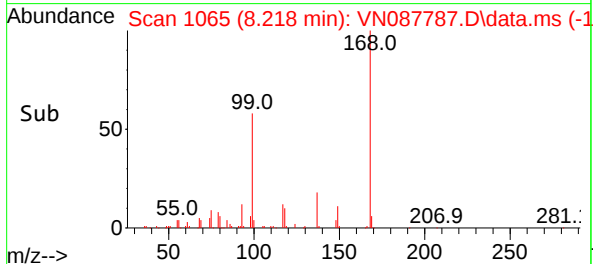
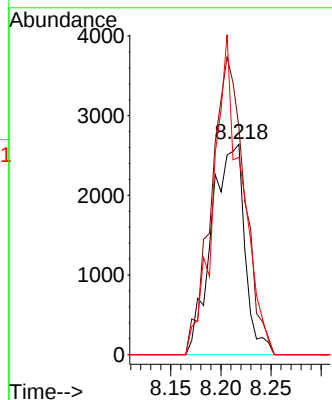
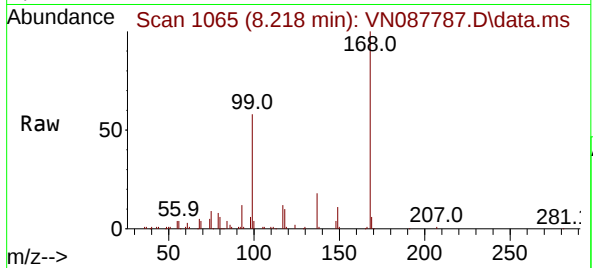




#31
Cyclohexane
Concen: 1.158 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.018 min
Lab File: VN087787.D
Acq: 10 Sep 2025 17:32

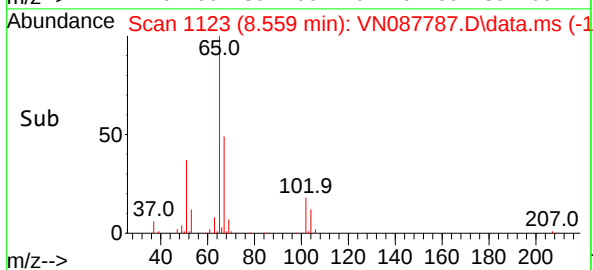
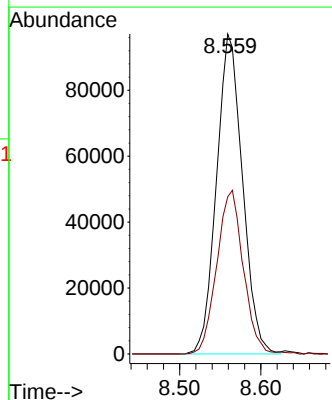
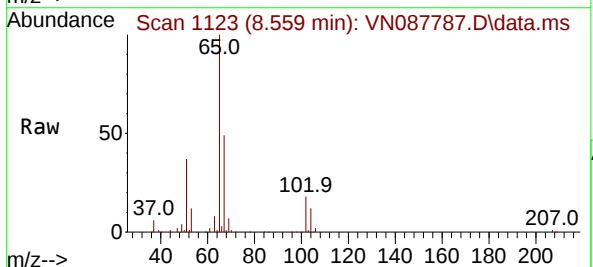
Instrument :
MSVOA_N
ClientSampleId :
VIBLK

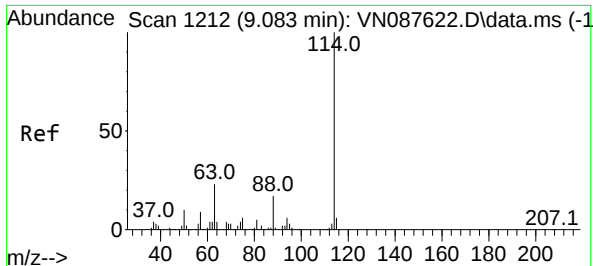
Tgt Ion: 56 Resp: 6090
Ion Ratio Lower Upper
56 100
69 108.1 23.7 35.5#
84 93.8 64.7 97.1



#33
1,2-Dichloroethane-d4
Concen: 51.626 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. 0.000 min
Lab File: VN087787.D
Acq: 10 Sep 2025 17:32

Tgt Ion: 65 Resp: 215947
Ion Ratio Lower Upper
65 100
67 52.2 0.0 100.0

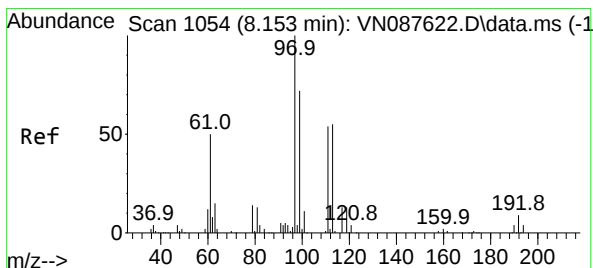
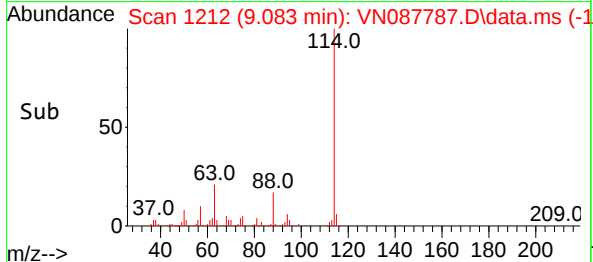
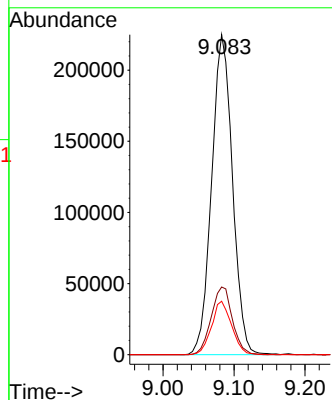
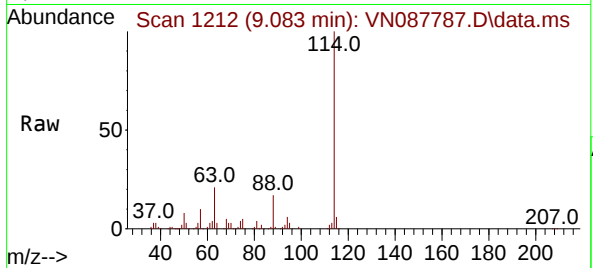




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.083 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN087787.D
Acq: 10 Sep 2025 17:32

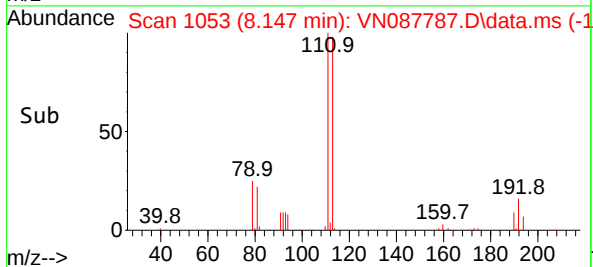
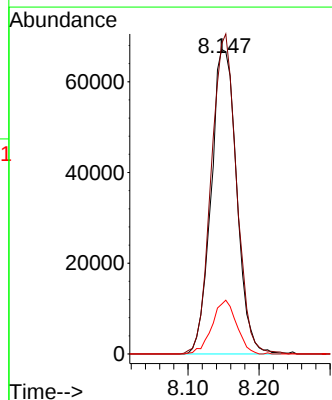
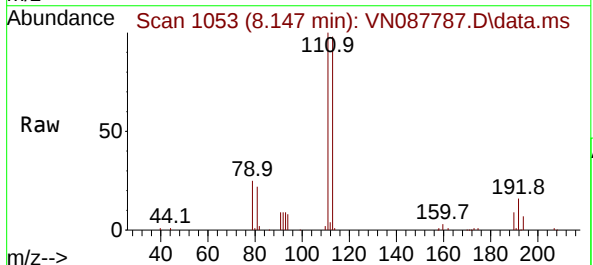
Instrument :
MSVOA_N
ClientSampleId :
VIBLK

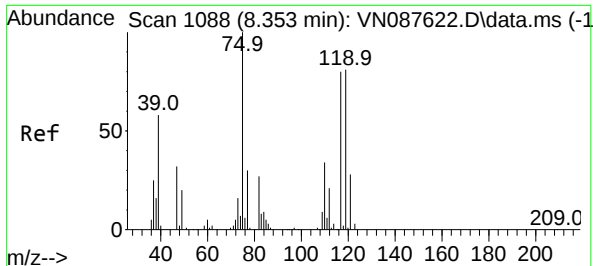
Tgt Ion:114 Resp: 457601
Ion Ratio Lower Upper
114 100
63 21.1 0.0 45.2
88 16.7 0.0 33.4



#35
Dibromofluoromethane
Concen: 50.726 ug/l
RT: 8.147 min Scan# 1053
Delta R.T. -0.006 min
Lab File: VN087787.D
Acq: 10 Sep 2025 17:32

Tgt Ion:113 Resp: 167593
Ion Ratio Lower Upper
113 100
111 103.9 82.8 124.2
192 16.9 12.8 19.2





#36

1,1-Dichloropropene

Concen: 3.697 ug/l

RT: 8.206 min Scan# 1063

Delta R.T. -0.147 min

Lab File: VN087787.D

Acq: 10 Sep 2025 17:32

Instrument :

MSVOA_N

ClientSampleId :

VIBLK

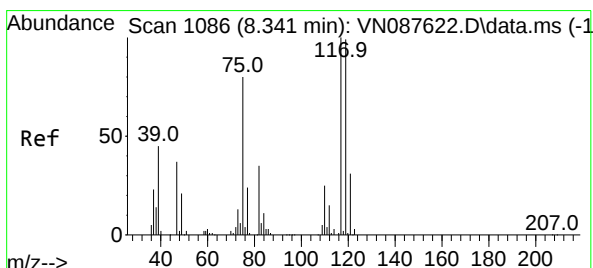
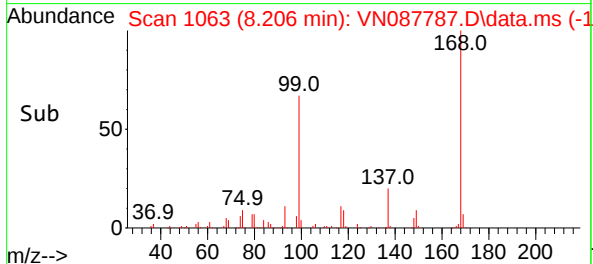
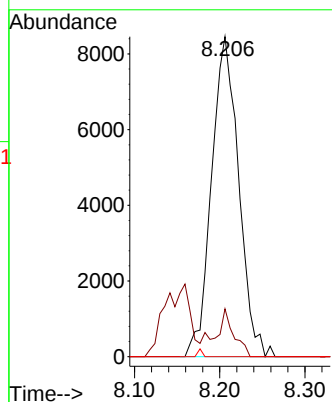
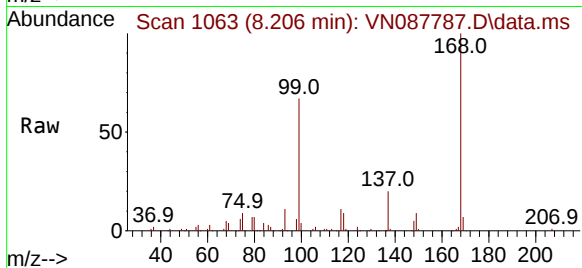
Tgt Ion: 75 Resp: 18738

Ion Ratio Lower Upper

75 100

110 8.1 15.9 47.6#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 4.720 ug/l

RT: 8.200 min Scan# 1062

Delta R.T. -0.141 min

Lab File: VN087787.D

Acq: 10 Sep 2025 17:32

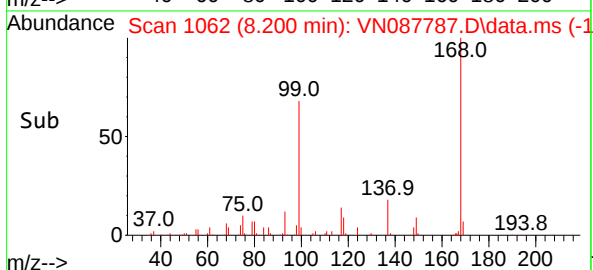
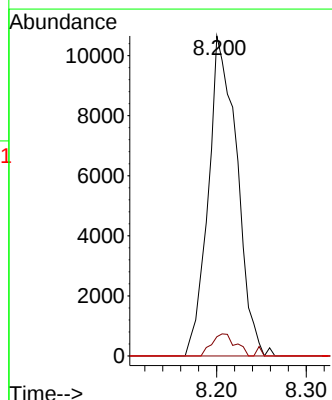
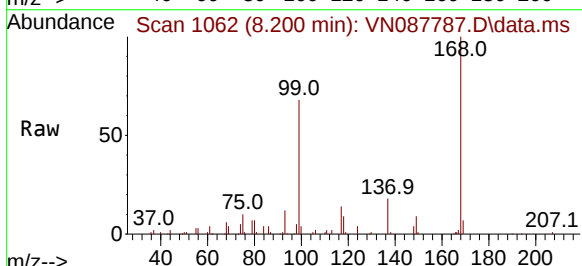
Tgt Ion: 117 Resp: 23620

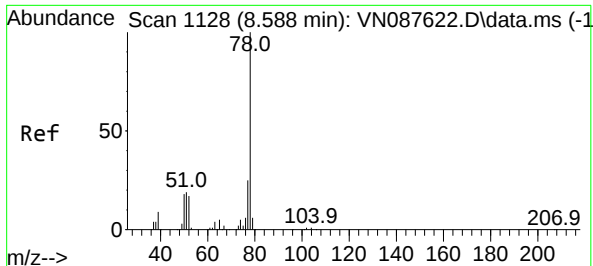
Ion Ratio Lower Upper

117 100

119 6.0 79.0 118.6#

121 0.0 25.0 37.6#

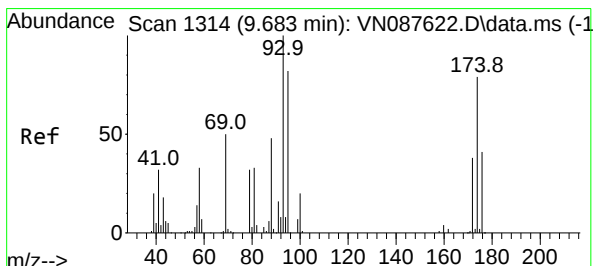
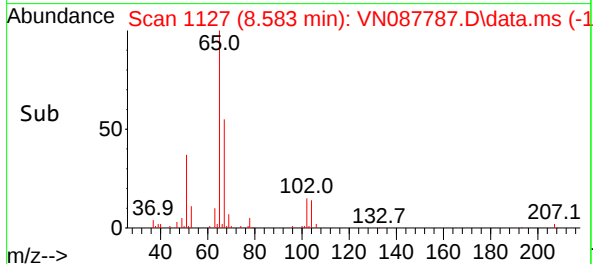
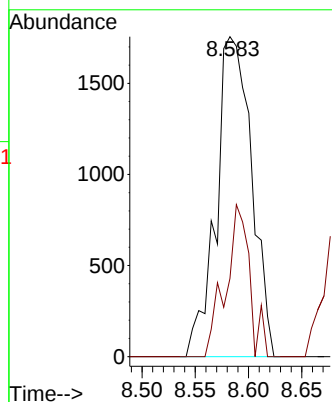
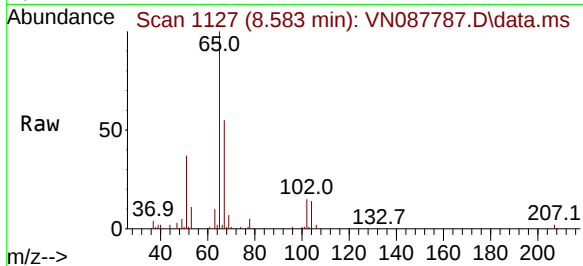




#40
Benzene
Concen: 0.261 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. -0.006 min
Lab File: VN087787.D
Acq: 10 Sep 2025 17:32

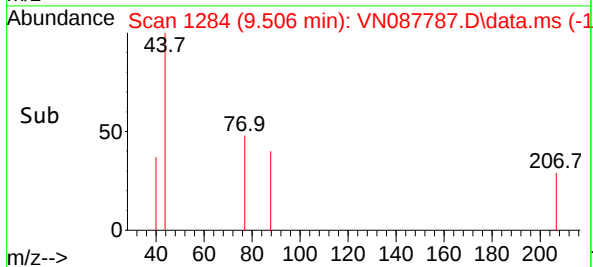
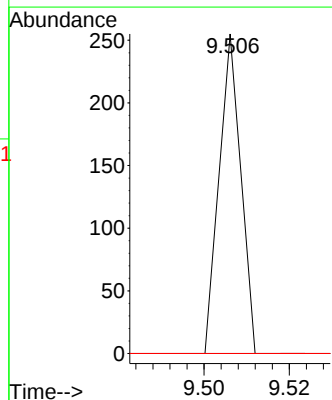
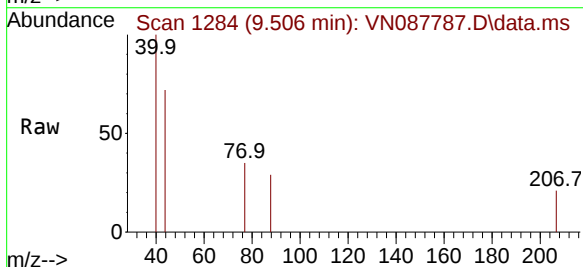
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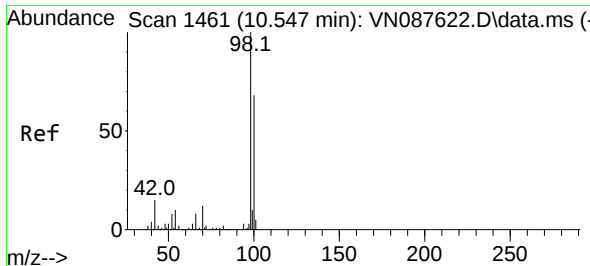
Tgt Ion: 78 Resp: 4058
Ion Ratio Lower Upper
78 100
77 24.4 19.7 29.5



#49
1,4-Dioxane
Concen: 1.358 ug/l
RT: 9.506 min Scan# 1284
Delta R.T. -0.176 min
Lab File: VN087787.D
Acq: 10 Sep 2025 17:32

Tgt Ion: 88 Resp: 90
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 0.0 57.9 86.9#

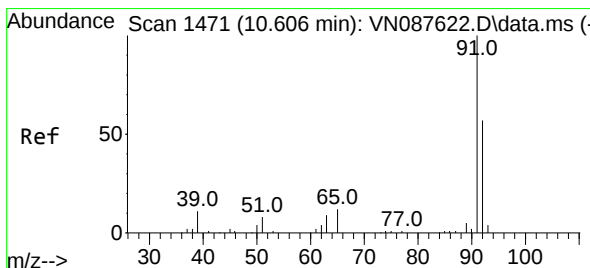
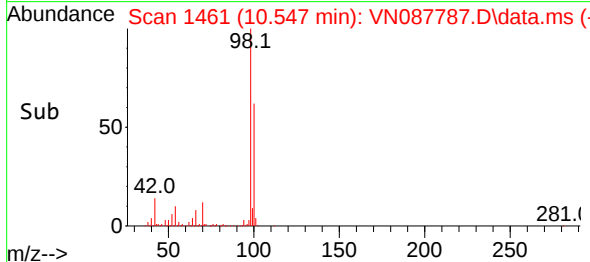
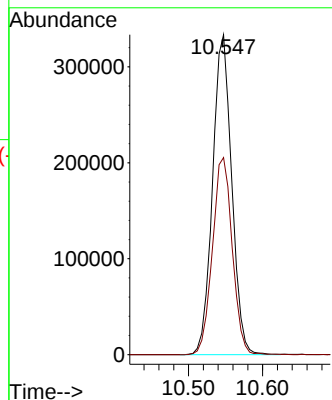
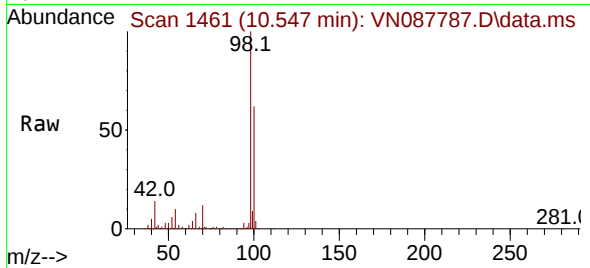




#50
Toluene-d8
Concen: 48.349 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. 0.000 min
Lab File: VN087787.D
Acq: 10 Sep 2025 17:32

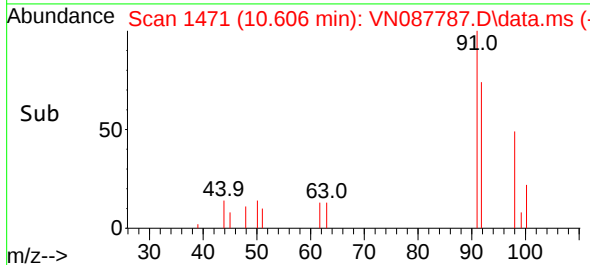
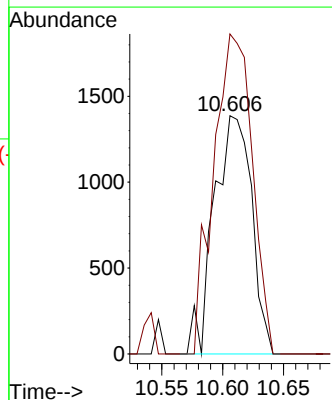
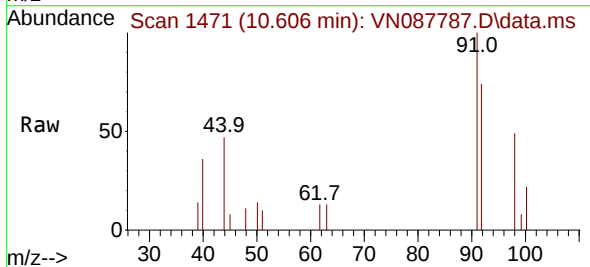
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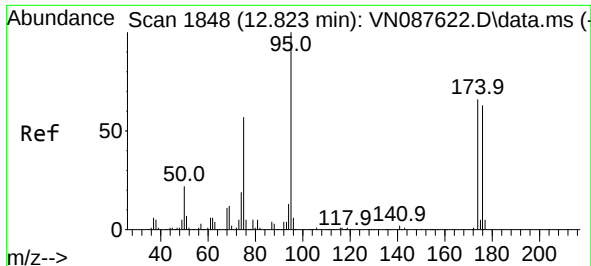
Tgt Ion: 98 Resp: 597869
Ion Ratio Lower Upper
98 100
100 63.8 52.8 79.2



#52
Toluene
Concen: 0.310 ug/l
RT: 10.606 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VN087787.D
Acq: 10 Sep 2025 17:32

Tgt Ion: 92 Resp: 2985
Ion Ratio Lower Upper
92 100
91 138.2 140.4 210.6#

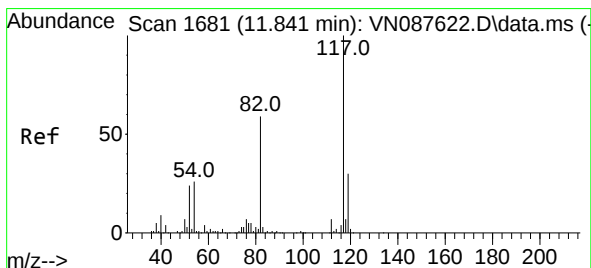
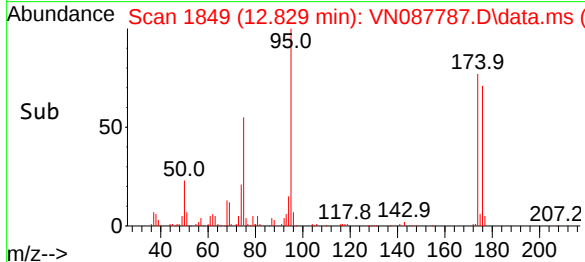
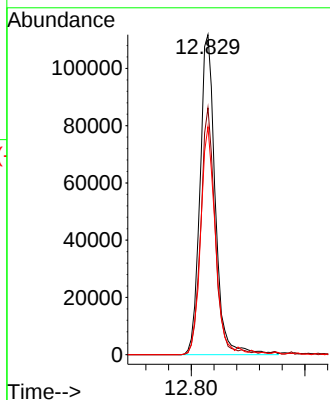
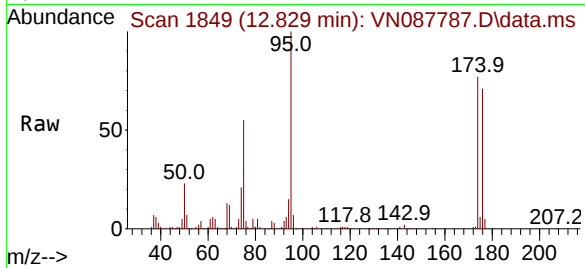




#62
4-Bromofluorobenzene
Concen: 47.366 ug/l
RT: 12.829 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN087787.D
Acq: 10 Sep 2025 17:32

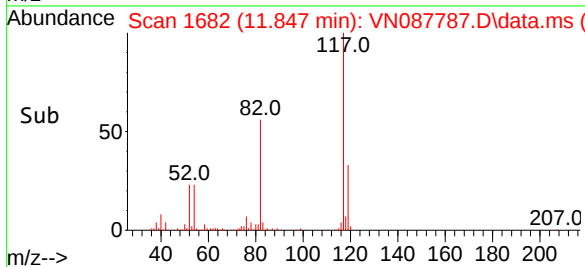
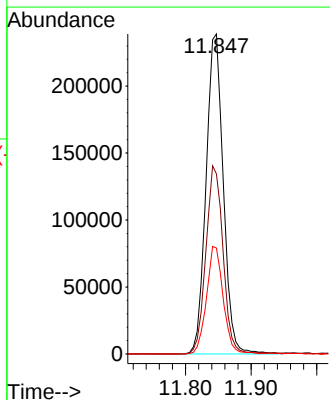
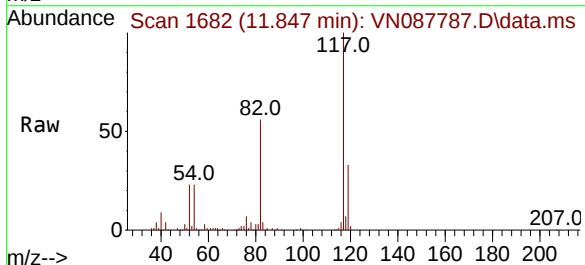
Instrument :
MSVOA_N
ClientSampleId :
VIBLK

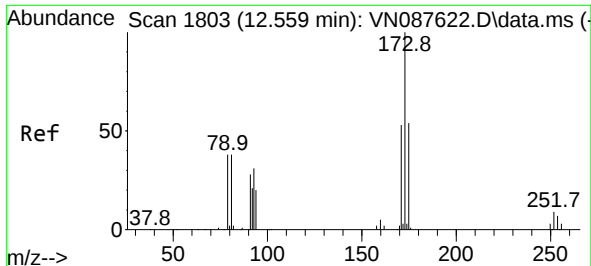
Tgt Ion: 95 Resp: 208301
Ion Ratio Lower Upper
95 100
174 72.5 0.0 138.4
176 67.9 0.0 132.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 1682
Delta R.T. 0.006 min
Lab File: VN087787.D
Acq: 10 Sep 2025 17:32

Tgt Ion: 117 Resp: 437353
Ion Ratio Lower Upper
117 100
82 56.2 47.4 71.2
119 33.1 24.3 36.5

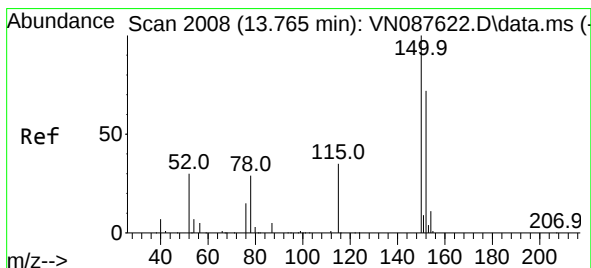
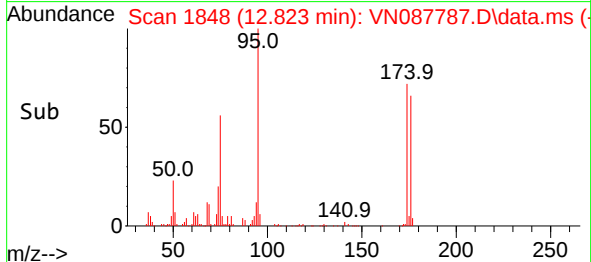
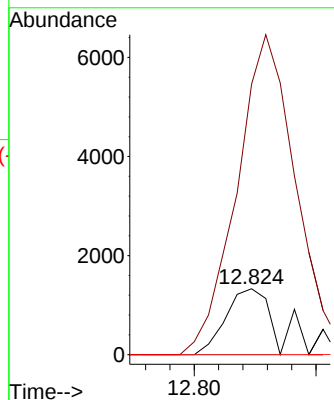
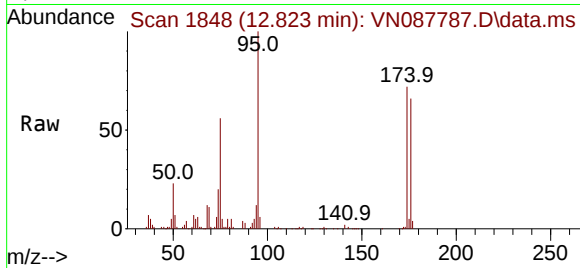




#71
Bromoform
Concen: 0.576 ug/l
RT: 12.823 min Scan# 11
Delta R.T. 0.265 min
Lab File: VN087787.D
Acq: 10 Sep 2025 17:32

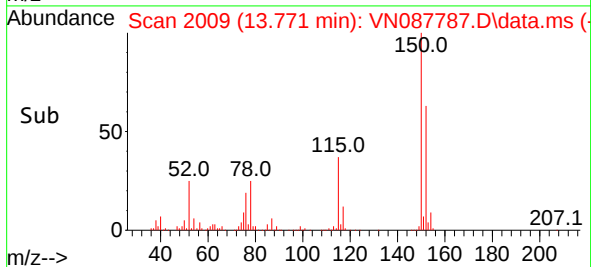
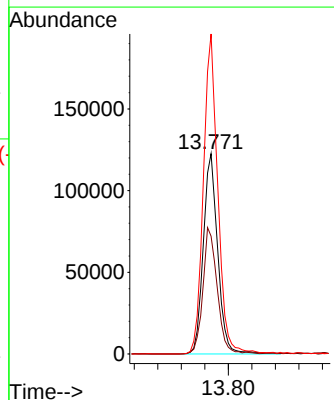
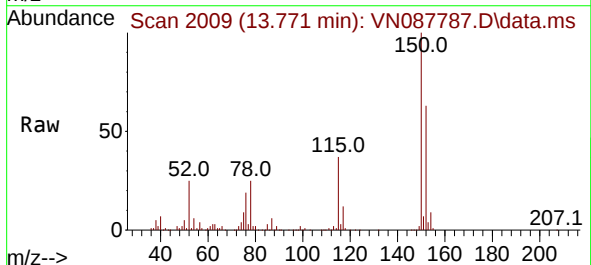
Instrument :
MSVOA_N
ClientSampleId :
VIBLK

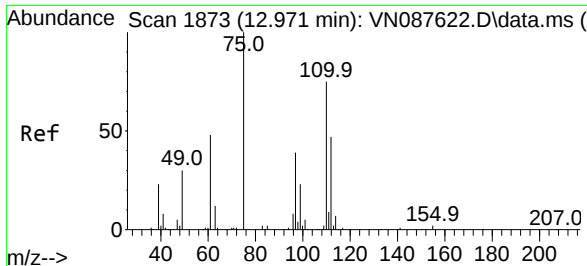
Tgt Ion:173 Resp: 1596
Ion Ratio Lower Upper
173 100
175 525.1 24.9 74.6#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.771 min Scan# 2009
Delta R.T. 0.006 min
Lab File: VN087787.D
Acq: 10 Sep 2025 17:32

Tgt Ion:152 Resp: 209026
Ion Ratio Lower Upper
152 100
115 62.4 32.3 96.8
150 159.5 0.0 351.0

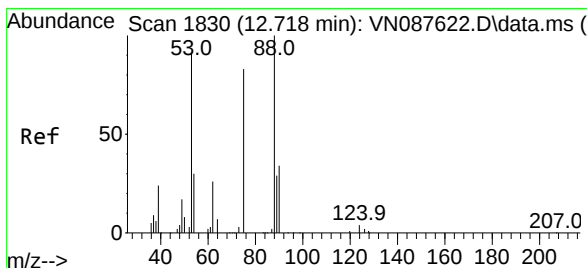
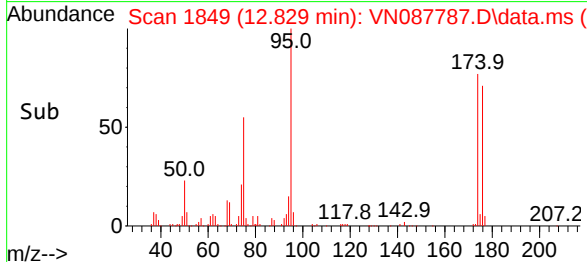
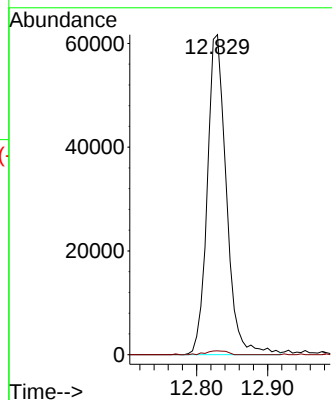
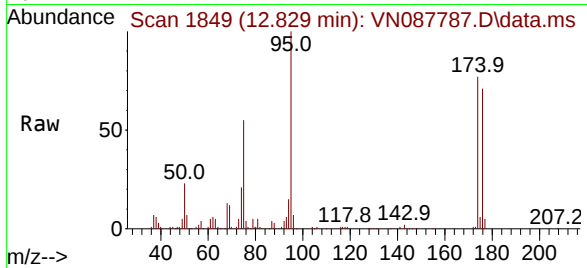




#76
1,2,3-Trichloropropane
Concen: 23.495 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. -0.141 min
Lab File: VN087787.D
Acq: 10 Sep 2025 17:32

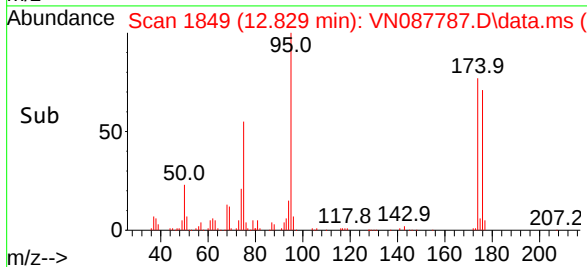
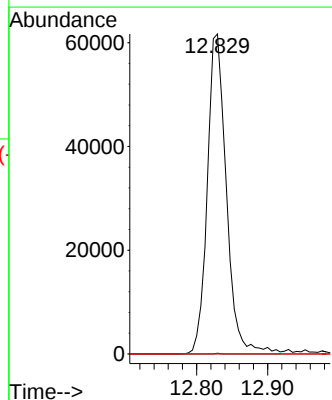
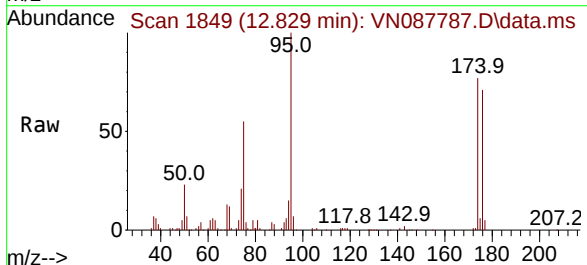
Instrument :
MSVOA_N
ClientSampleId :
VIBLK

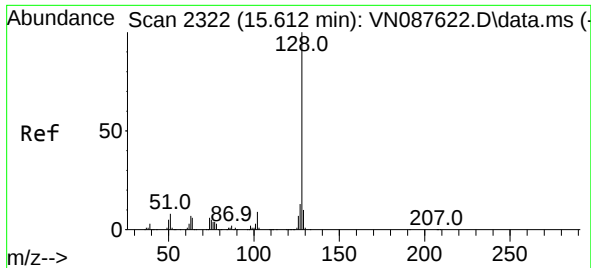
Tgt Ion: 75 Resp: 115169
Ion Ratio Lower Upper
75 100
77 1.4 89.1 267.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 62.201 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.112 min
Lab File: VN087787.D
Acq: 10 Sep 2025 17:32

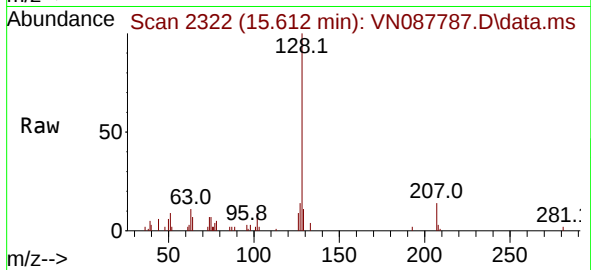
Tgt Ion: 75 Resp: 115169
Ion Ratio Lower Upper
75 100
53 0.0 101.8 152.6#
89 0.0 35.6 53.4#





#95
Naphthalene
Concen: 1.752 ug/l
RT: 15.612 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN087787.D
Acq: 10 Sep 2025 17:32

Instrument :
MSVOA_N
ClientSampleId :
VIBLK



Tgt Ion:	128	Resp:	27720
Ion	Ratio	Lower	Upper
128	100		
127	15.0	10.6	15.8
129	10.9	8.6	12.8

