

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092425\
 Data File : VN087935.D
 Acq On : 24 Sep 2025 09:47
 Operator : JC\MD
 Sample : VN0924WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0924WBL01

Quant Time: Sep 25 03:05:50 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 24 05:05:30 2025
 Response via : Initial Calibration

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

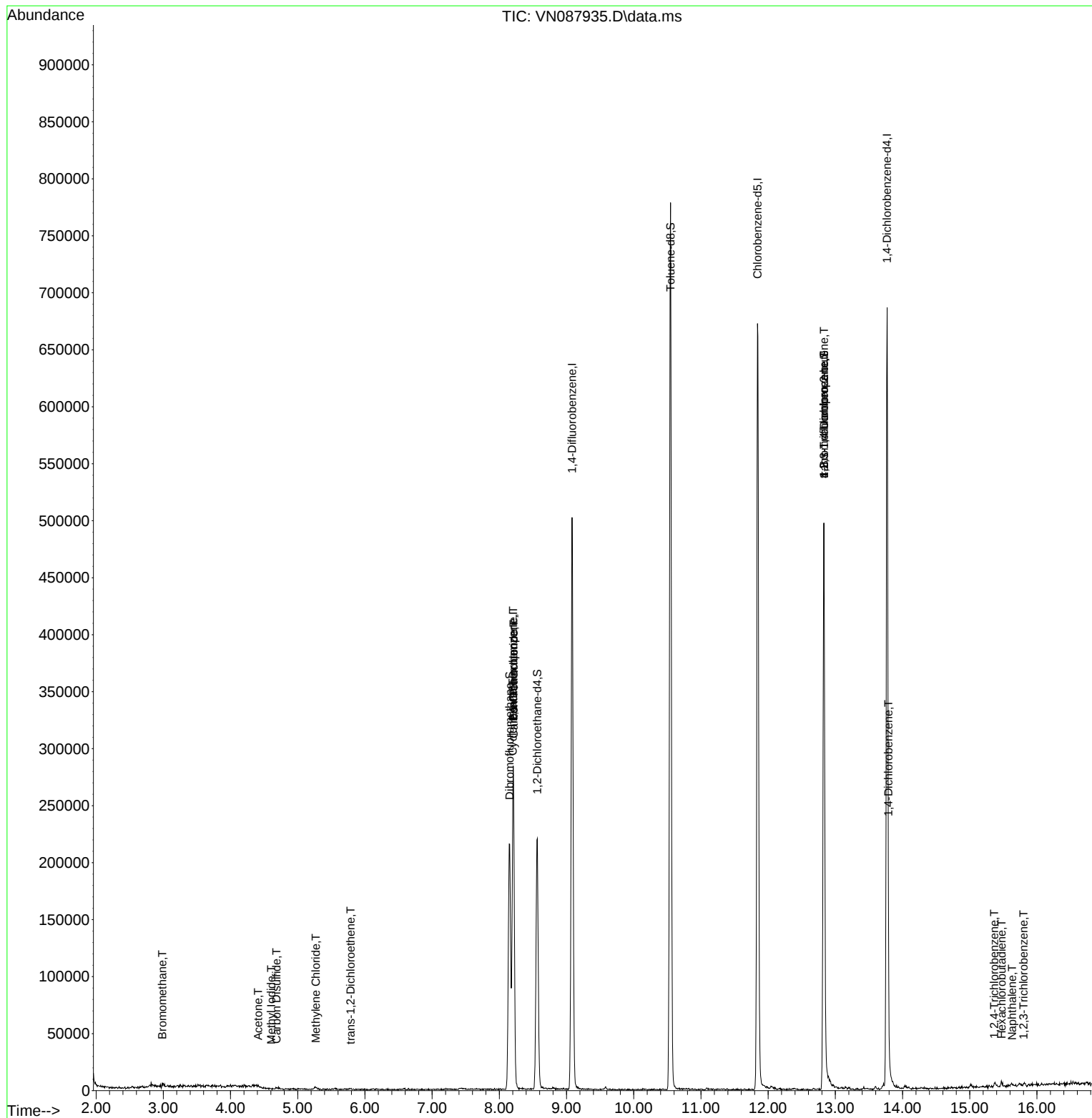
Internal Standards						
1) Pentafluorobenzene	8.206	168	194391	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	423678	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	397836	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.771	152	185471	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	178852	54.671	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 109.340%	
35) Dibromofluoromethane	8.153	113	153762	49.985	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 99.980%	
50) Toluene-d8	10.547	98	532842	49.257	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 98.520%	
62) 4-Bromofluorobenzene	12.829	95	179923	46.531	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 93.060%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.983	94	1096	0.752	ug/l #	66
10) Methyl Iodide	4.606	142	548	0.301	ug/l #	40
16) Acetone	4.412	43	525	0.390	ug/l #	45
17) Carbon Disulfide	4.683	76	1625	0.255	ug/l #	76
20) Methylene Chloride	5.271	84	1123	0.412	ug/l #	43
21) trans-1,2-Dichloroethene	5.789	96	603	0.241	ug/l #	1
31) Cyclohexane	8.200	56	5519	1.504	ug/l #	35
36) 1,1-Dichloropropene	8.206	75	17824	4.819	ug/l #	50
38) Carbon Tetrachloride	8.212	117	22207	5.232	ug/l #	20
76) 1,2,3-Trichloropropane	12.829	75	93926	25.691	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.829	75	93926	71.339	ug/l #	9
88) 1,4-Dichlorobenzene	13.788	146	1632	0.266	ug/l #	71
93) 1,2,4-Trichlorobenzene	15.365	180	1392	0.410	ug/l #	12
94) Hexachlorobutadiene	15.476	225	618	0.494	ug/l	79
95) Naphthalene	15.629	128	2383	0.219	ug/l #	74
96) 1,2,3-Trichlorobenzene	15.800	180	851	0.258	ug/l #	80

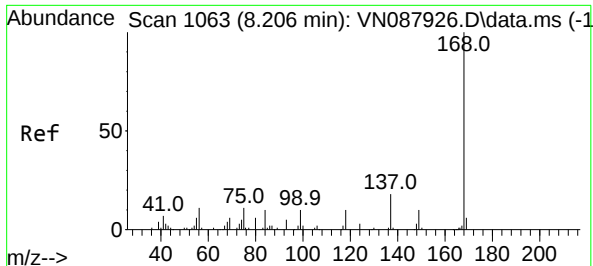
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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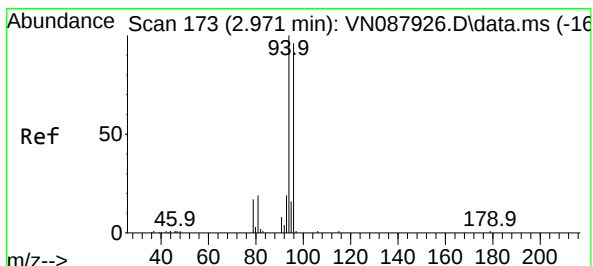
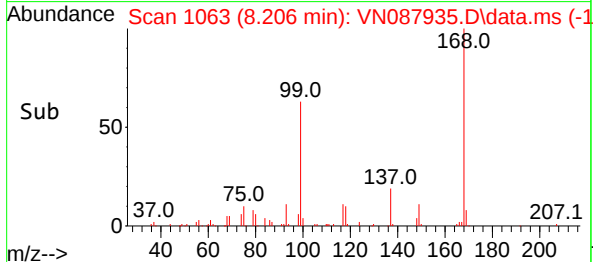
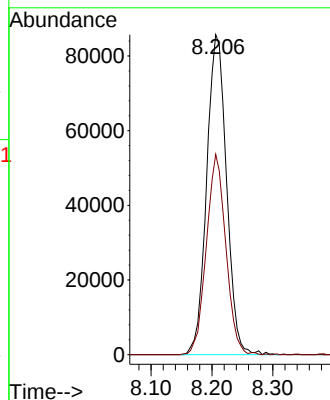
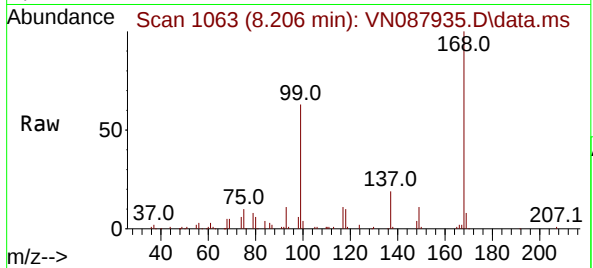




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN087935.D
Acq: 24 Sep 2025 09:47

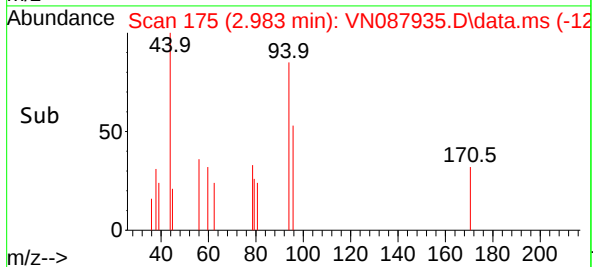
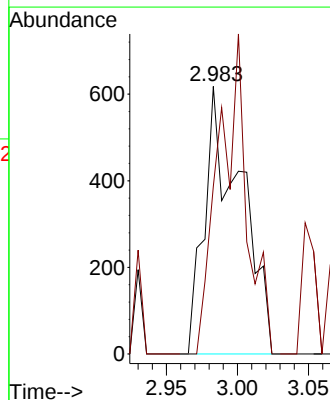
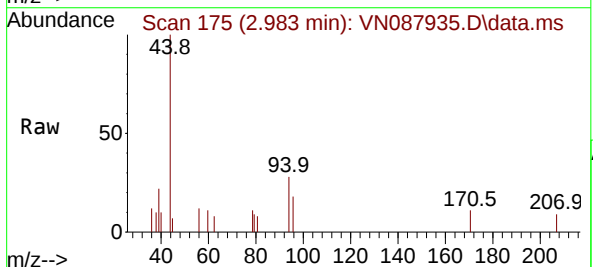
Instrument :
MSVOA_N
ClientSampleId :
VN0924WBL01

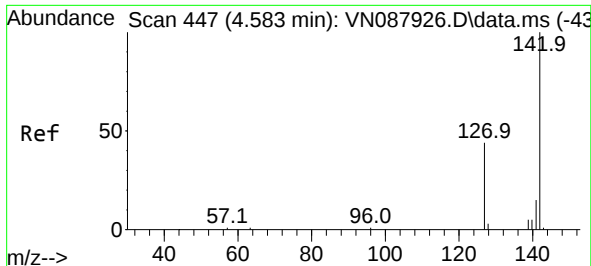
Tgt Ion:168 Resp: 194391
Ion Ratio Lower Upper
168 100
99 62.6 52.2 78.2



#5
Bromomethane
Concen: 0.752 ug/l
RT: 2.983 min Scan# 175
Delta R.T. 0.012 min
Lab File: VN087935.D
Acq: 24 Sep 2025 09:47

Tgt Ion: 94 Resp: 1096
Ion Ratio Lower Upper
94 100
96 62.6 76.8 115.2#

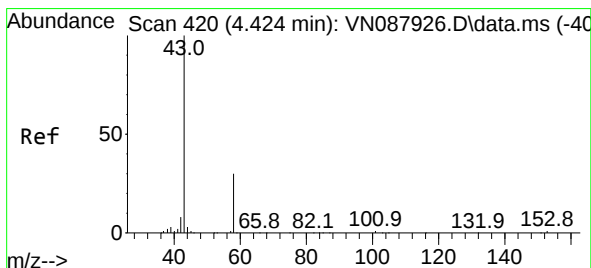
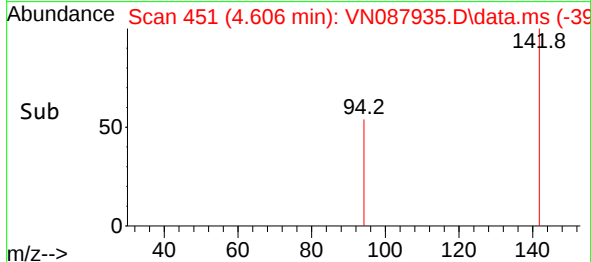
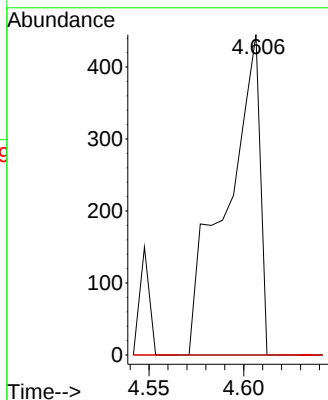
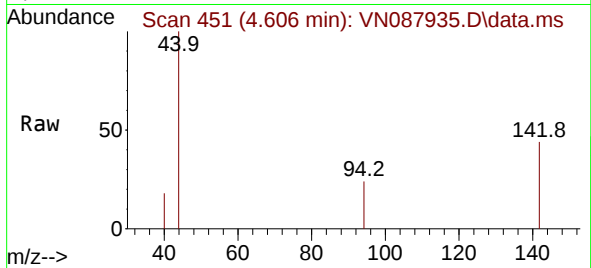




#10
Methyl Iodide
Concen: 0.301 ug/l
RT: 4.606 min Scan# 418
Delta R.T. 0.024 min
Lab File: VN087935.D
Acq: 24 Sep 2025 09:47

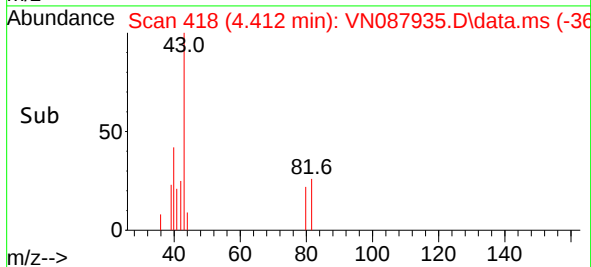
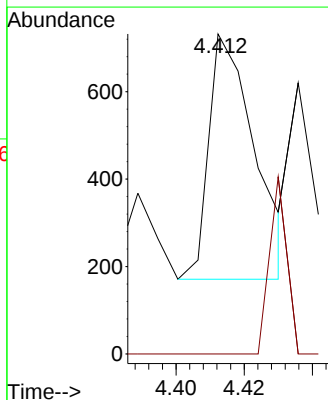
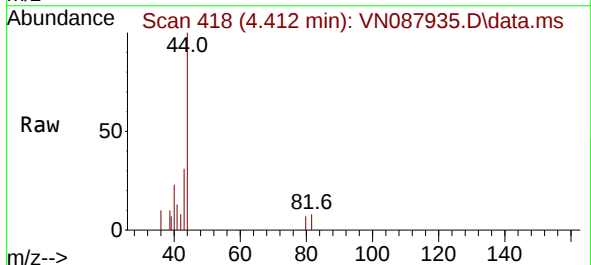
Instrument :
MSVOA_N
ClientSampleId :
VN0924WBL01

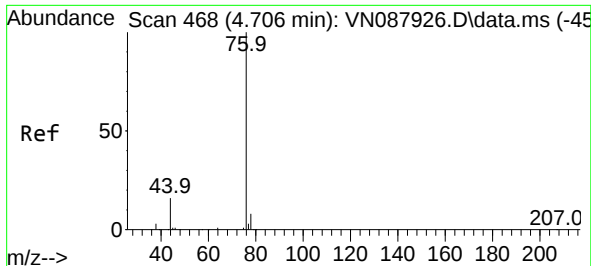
Tgt Ion:142 Resp: 548
Ion Ratio Lower Upper
142 100
127 0.0 35.3 52.9#
141 0.0 11.8 17.8#



#16
Acetone
Concen: 0.390 ug/l
RT: 4.412 min Scan# 418
Delta R.T. -0.012 min
Lab File: VN087935.D
Acq: 24 Sep 2025 09:47

Tgt Ion: 43 Resp: 525
Ion Ratio Lower Upper
43 100
58 0.0 24.1 36.1#





#17

Carbon Disulfide

Concen: 0.255 ug/l

RT: 4.683 min Scan# 4

Delta R.T. -0.023 min

Lab File: VN087935.D

Acq: 24 Sep 2025 09:47

Instrument :

MSVOA_N

ClientSampleId :

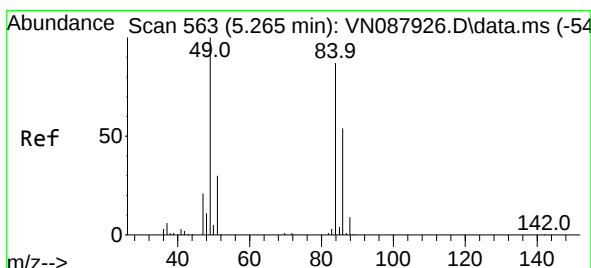
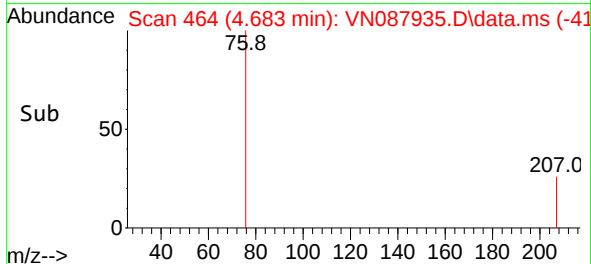
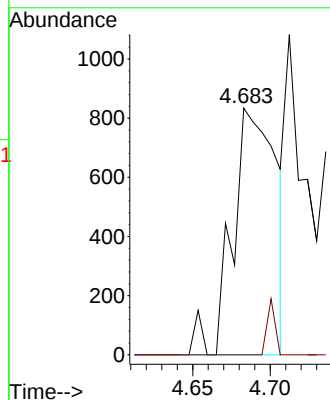
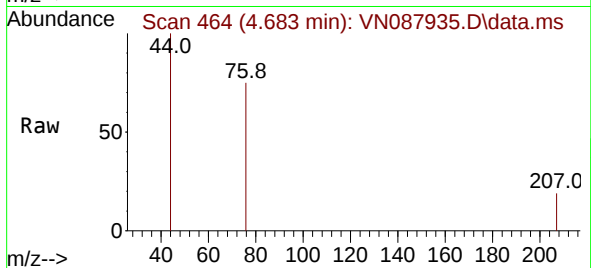
VN0924WBL01

Tgt Ion: 76 Resp: 1625

Ion Ratio Lower Upper

76 100

78 0.0 6.7 10.1#



#20

Methylene Chloride

Concen: 0.412 ug/l

RT: 5.271 min Scan# 564

Delta R.T. 0.006 min

Lab File: VN087935.D

Acq: 24 Sep 2025 09:47

Tgt Ion: 84 Resp: 1123

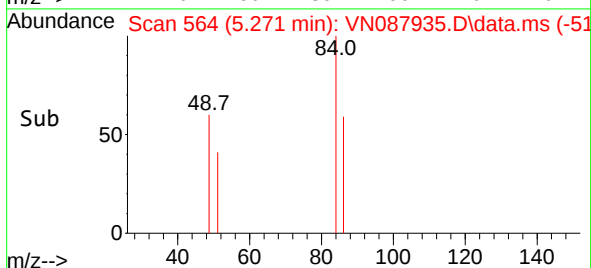
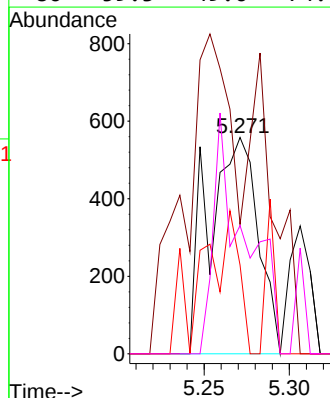
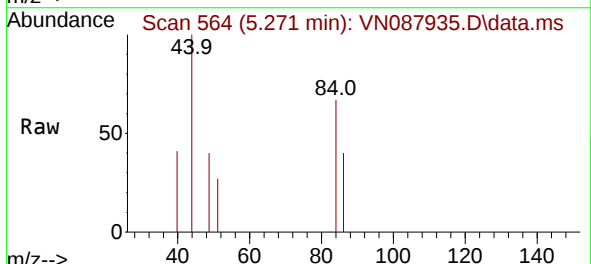
Ion Ratio Lower Upper

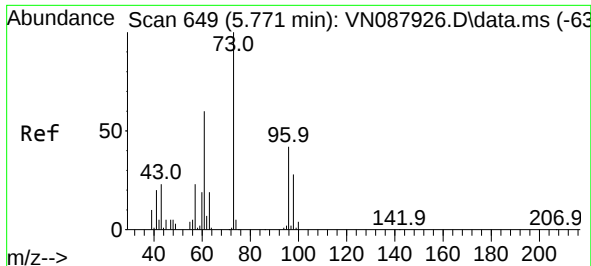
84 100

49 6.6 92.1 138.1#

51 41.0 27.7 41.5

86 59.3 49.6 74.4

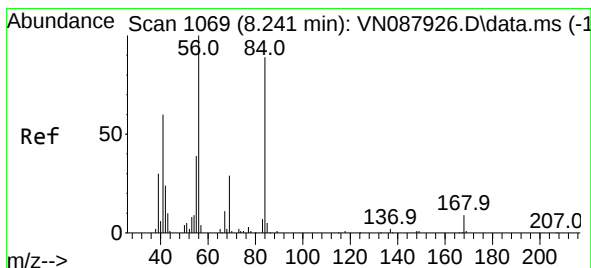
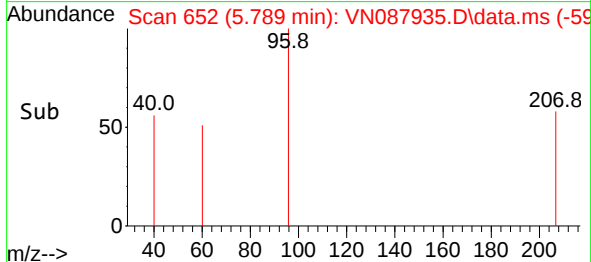
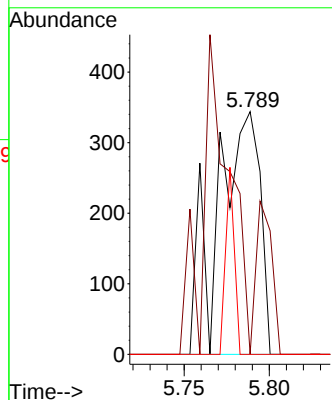
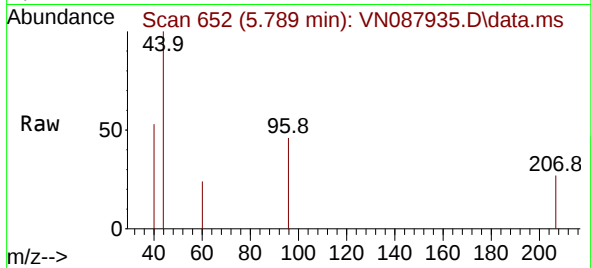




#21
trans-1,2-Dichloroethene
Concen: 0.241 ug/l
RT: 5.789 min Scan# 603
Delta R.T. 0.018 min
Lab File: VN087935.D
Acq: 24 Sep 2025 09:47

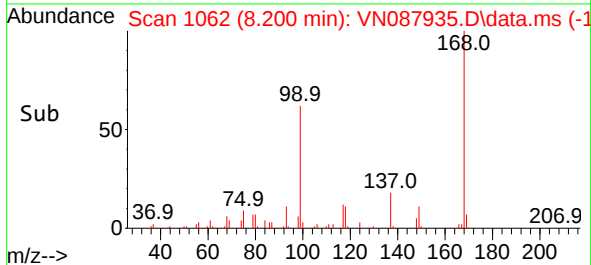
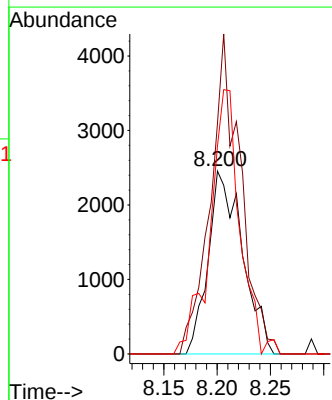
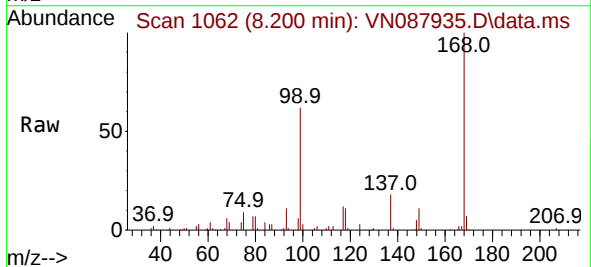
Instrument :
MSVOA_N
ClientSampleId :
VN0924WBL01

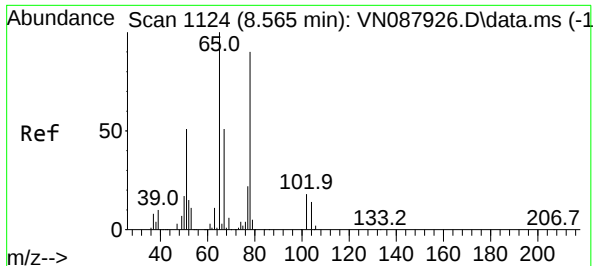
Tgt Ion: 96 Resp: 603
Ion Ratio Lower Upper
96 100
61 0.0 114.4 171.6#
98 0.0 53.6 80.4#



#31
Cyclohexane
Concen: 1.504 ug/l
RT: 8.200 min Scan# 1062
Delta R.T. -0.041 min
Lab File: VN087935.D
Acq: 24 Sep 2025 09:47

Tgt Ion: 56 Resp: 5519
Ion Ratio Lower Upper
56 100
69 126.2 23.4 35.0#
84 113.7 70.8 106.2#

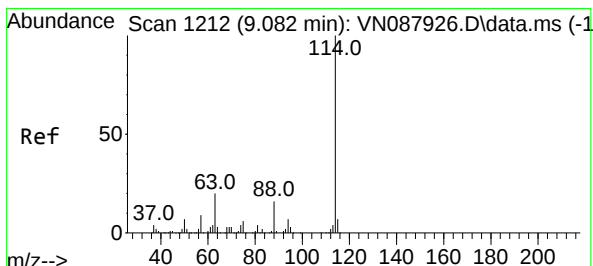
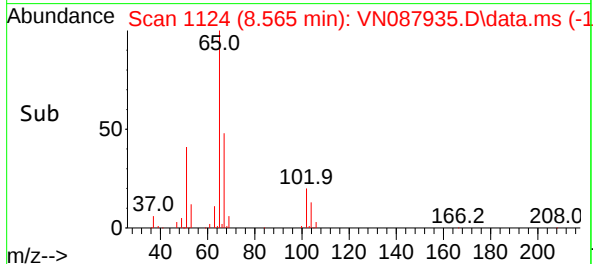
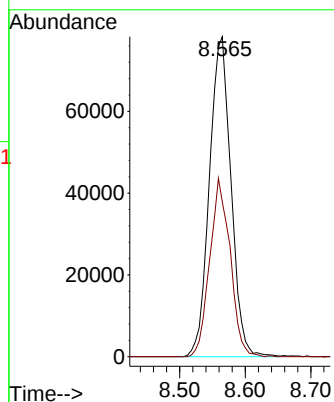
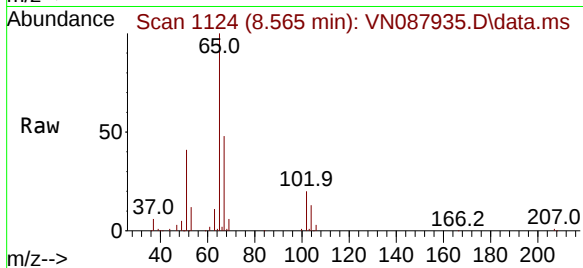




#33
1,2-Dichloroethane-d4
Concen: 54.671 ug/l
RT: 8.565 min Scan# 1124
Delta R.T. 0.000 min
Lab File: VN087935.D
Acq: 24 Sep 2025 09:47

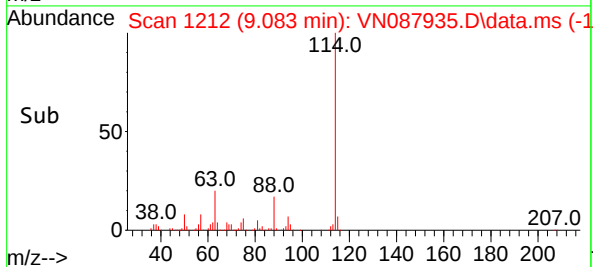
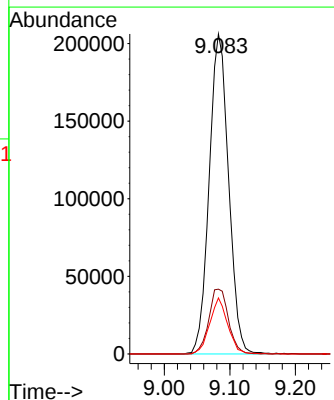
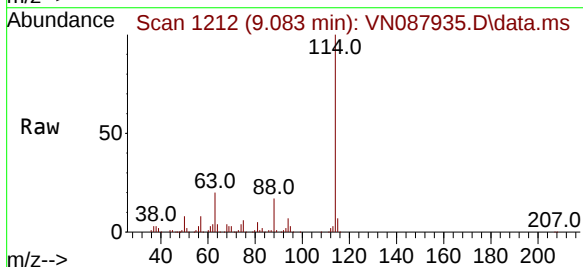
Instrument :
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VN0924WBL01

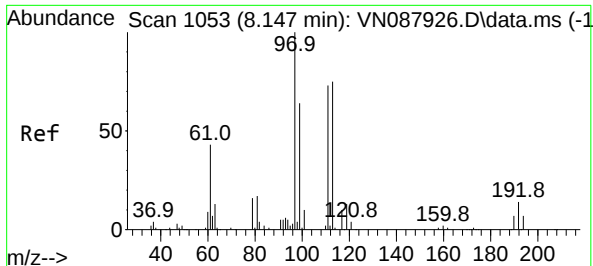
Tgt Ion: 65 Resp: 178852
Ion Ratio Lower Upper
65 100
67 52.7 0.0 103.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.083 min Scan# 1212
Delta R.T. 0.000 min
Lab File: VN087935.D
Acq: 24 Sep 2025 09:47

Tgt Ion: 114 Resp: 423678
Ion Ratio Lower Upper
114 100
63 20.3 0.0 40.0
88 17.5 0.0 31.8





#35

Dibromofluoromethane

Concen: 49.985 ug/l

RT: 8.153 min Scan# 1054

Delta R.T. 0.006 min

Lab File: VN087935.D

Acq: 24 Sep 2025 09:47

Instrument :

MSVOA_N

ClientSampleId :

VN0924WBL01

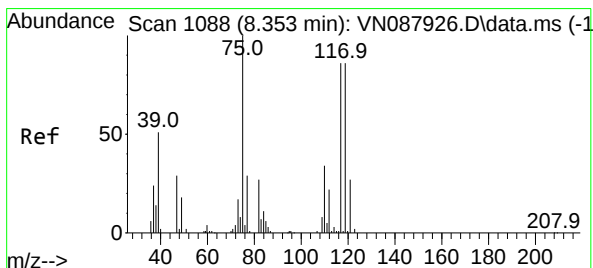
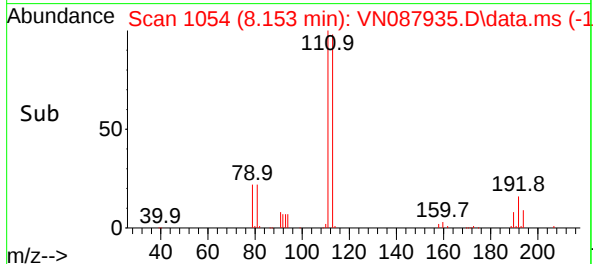
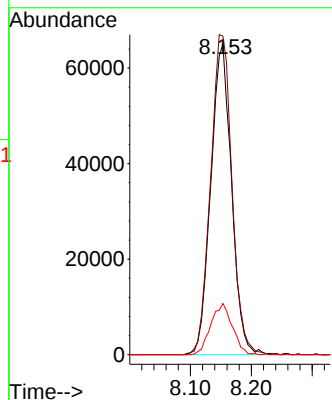
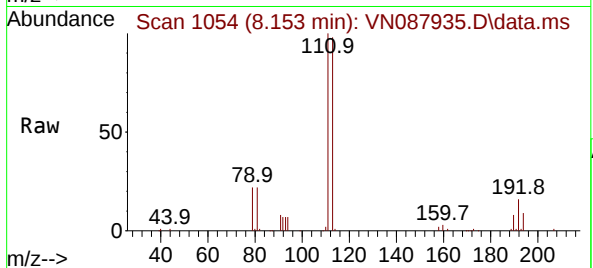
Tgt Ion:113 Resp: 153762

Ion Ratio Lower Upper

113 100

111 106.0 82.2 123.2

192 17.2 14.2 21.2



#36

1,1-Dichloropropene

Concen: 4.819 ug/l

RT: 8.206 min Scan# 1063

Delta R.T. -0.147 min

Lab File: VN087935.D

Acq: 24 Sep 2025 09:47

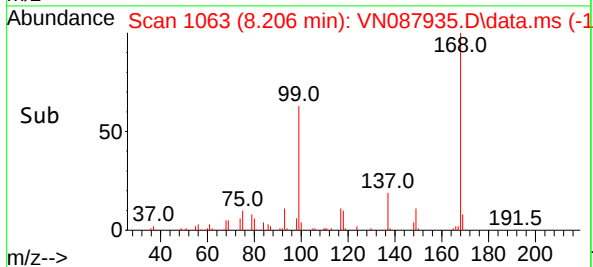
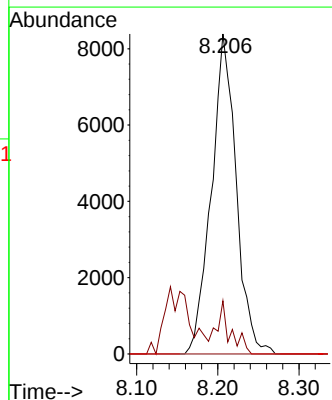
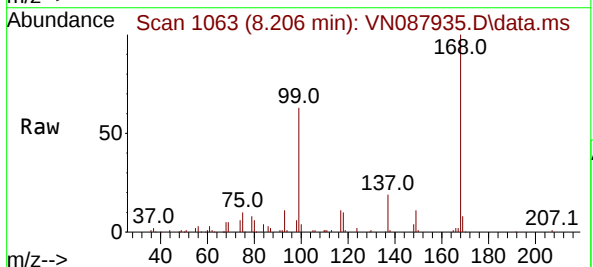
Tgt Ion: 75 Resp: 17824

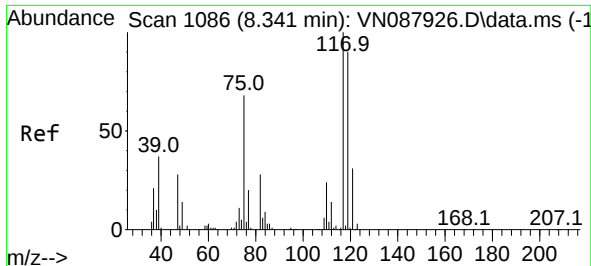
Ion Ratio Lower Upper

75 100

110 9.0 17.1 51.3#

77 0.0 24.8 37.2#

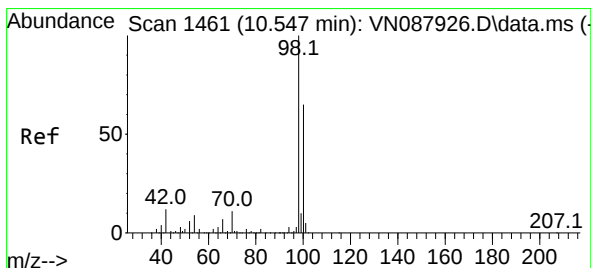
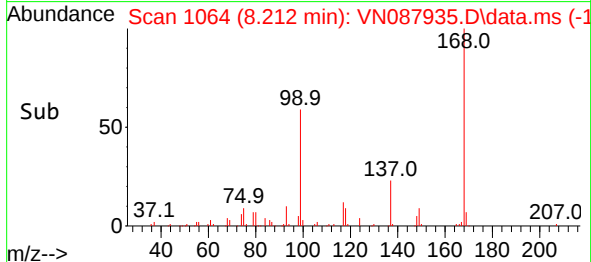
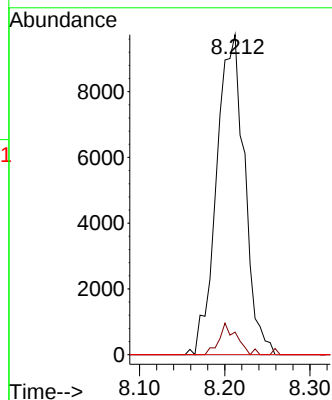
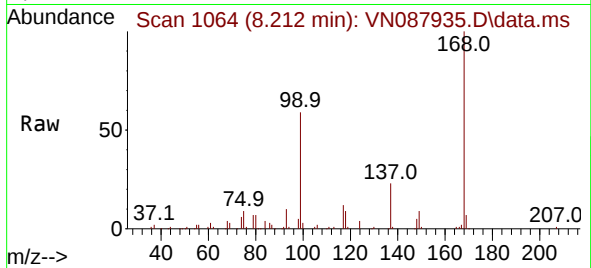




#38
Carbon Tetrachloride
Concen: 5.232 ug/l
RT: 8.212 min Scan# 1064
Delta R.T. -0.129 min
Lab File: VN087935.D
Acq: 24 Sep 2025 09:47

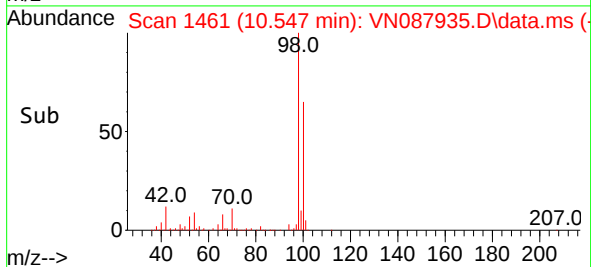
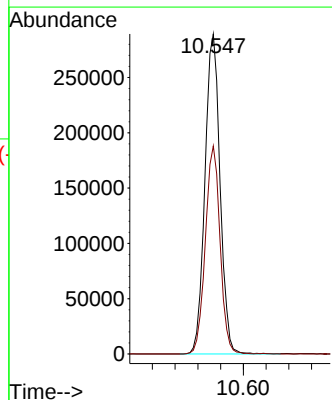
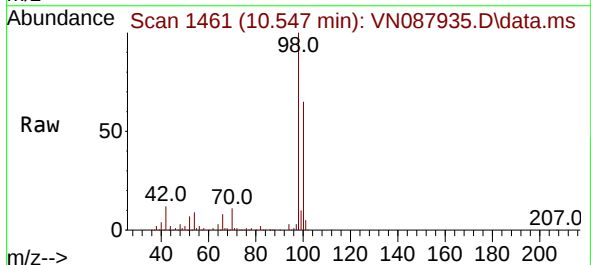
Instrument :
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VN0924WBL01

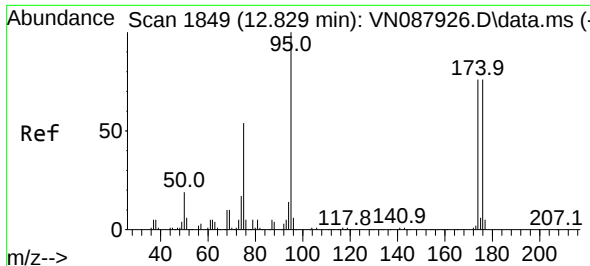
Tgt Ion:117 Resp: 22207
Ion Ratio Lower Upper
117 100
119 7.0 72.1 108.1#
121 0.0 24.6 36.8#



#50
Toluene-d8
Concen: 49.257 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. 0.000 min
Lab File: VN087935.D
Acq: 24 Sep 2025 09:47

Tgt Ion: 98 Resp: 532842
Ion Ratio Lower Upper
98 100
100 63.4 51.7 77.5

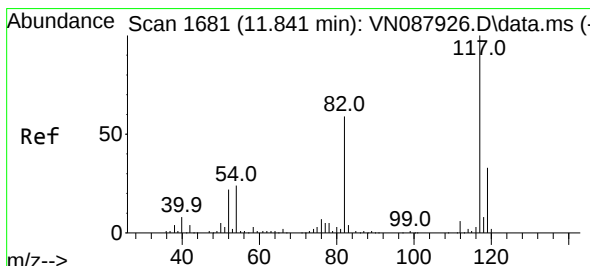
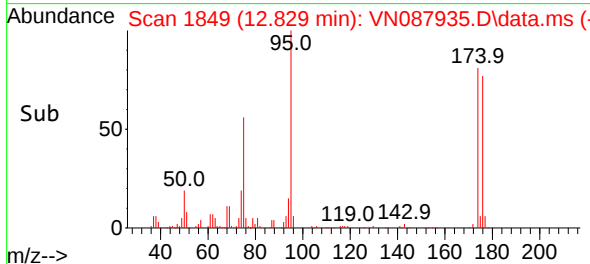
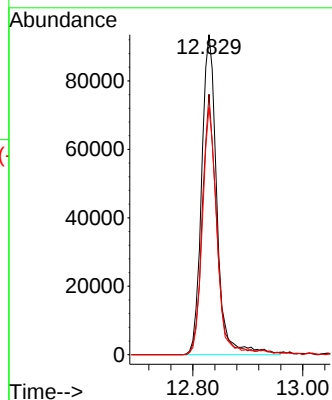
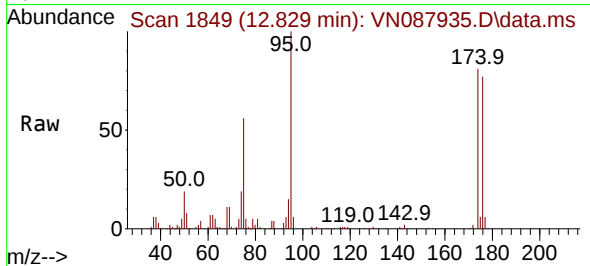




#62
4-Bromofluorobenzene
Concen: 46.531 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VN087935.D
Acq: 24 Sep 2025 09:47

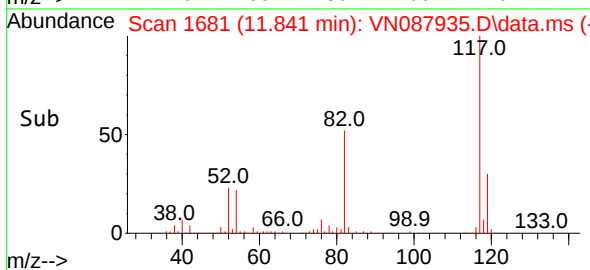
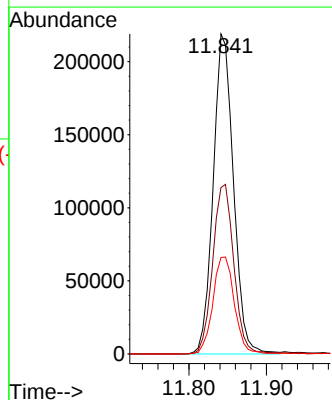
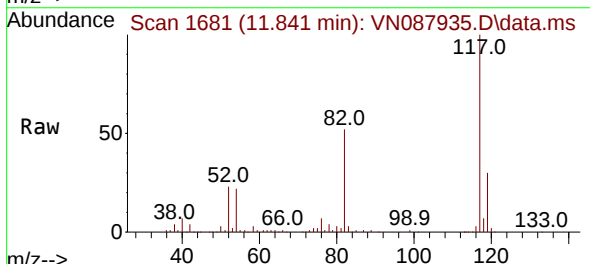
Instrument :
MSVOA_N
ClientSampleId :
VN0924WBL01

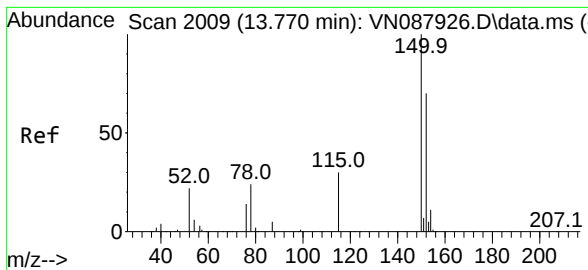
Tgt Ion: 95 Resp: 179923
Ion Ratio Lower Upper
95 100
174 76.0 0.0 159.2
176 72.4 0.0 152.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VN087935.D
Acq: 24 Sep 2025 09:47

Tgt Ion: 117 Resp: 397836
Ion Ratio Lower Upper
117 100
82 52.0 47.0 70.4
119 30.1 26.1 39.1

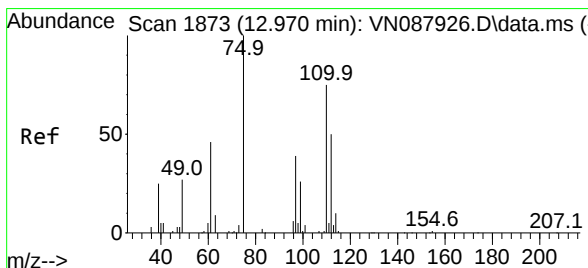
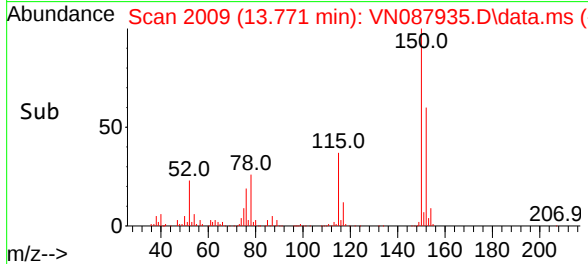
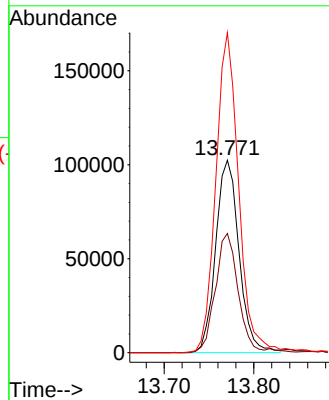
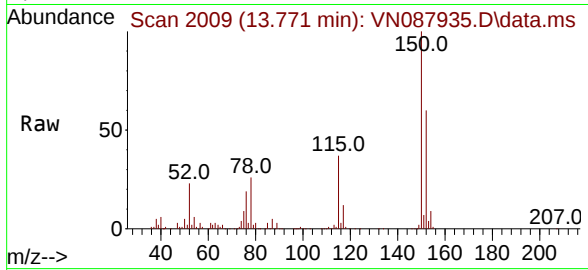




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.771 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VN087935.D
 Acq: 24 Sep 2025 09:47

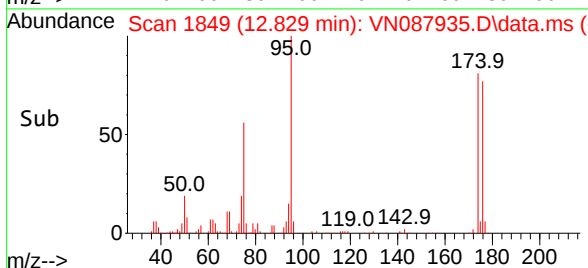
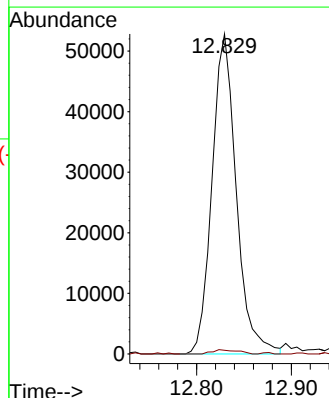
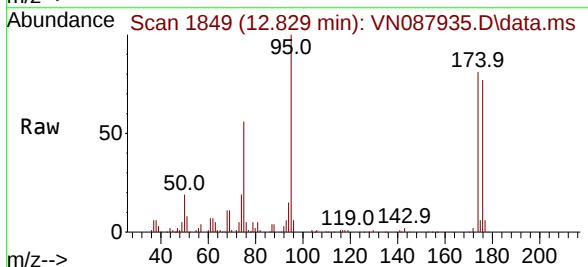
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0924WBL01

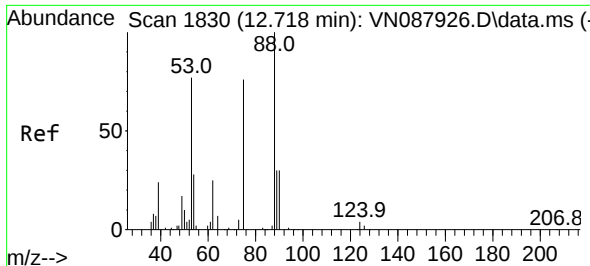
Tgt Ion:152 Resp: 185471
 Ion Ratio Lower Upper
 152 100
 115 59.8 29.9 89.7
 150 163.2 0.0 335.0



#76
 1,2,3-Trichloropropane
 Concen: 25.691 ug/l
 RT: 12.829 min Scan# 1849
 Delta R.T. -0.141 min
 Lab File: VN087935.D
 Acq: 24 Sep 2025 09:47

Tgt Ion: 75 Resp: 93926
 Ion Ratio Lower Upper
 75 100
 77 1.4 89.5 268.5#

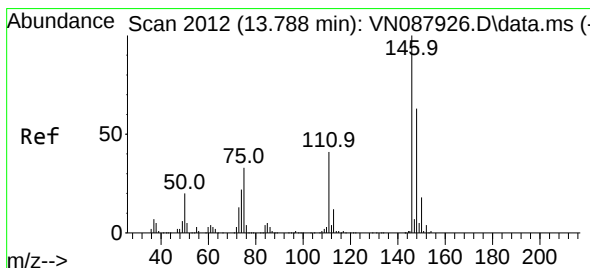
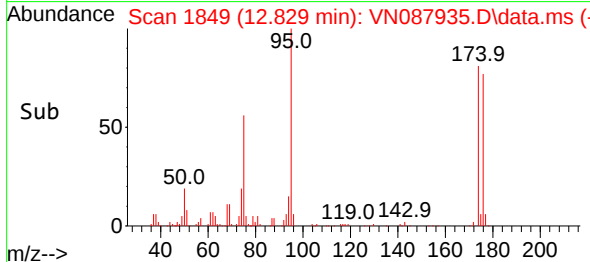
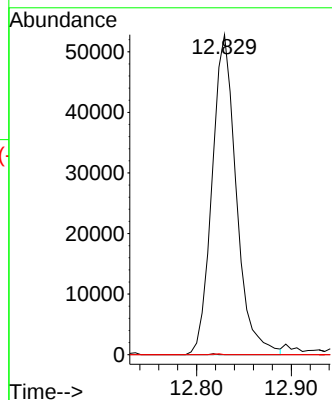
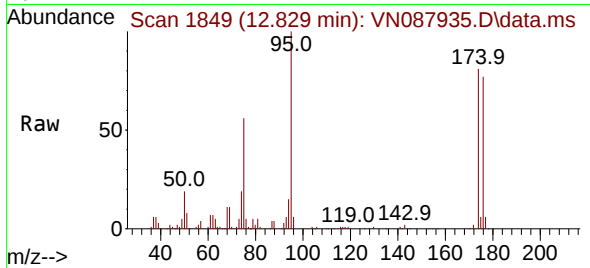




#81
trans-1,4-Dichloro-2-butene
Concen: 71.339 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.112 min
Lab File: VN087935.D
Acq: 24 Sep 2025 09:47

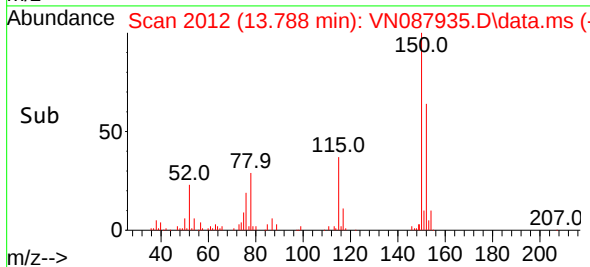
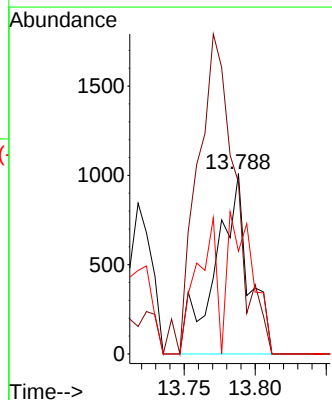
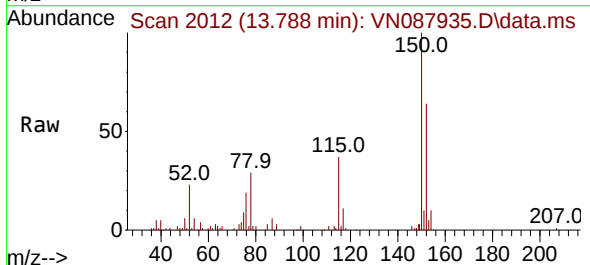
Instrument :
MSVOA_N
ClientSampleId :
VN0924WBL01

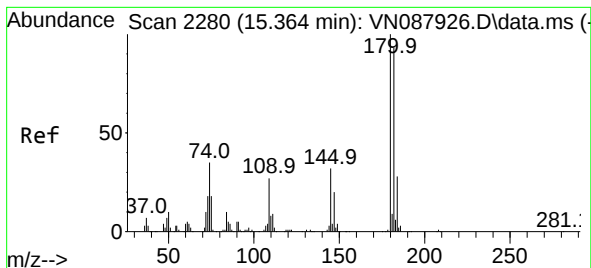
Tgt Ion: 75 Resp: 93926
Ion Ratio Lower Upper
75 100
53 0.1 82.0 123.0#
89 0.1 36.1 54.1#



#88
1,4-Dichlorobenzene
Concen: 0.266 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN087935.D
Acq: 24 Sep 2025 09:47

Tgt Ion:146 Resp: 1632
Ion Ratio Lower Upper
146 100
111 0.0 20.5 61.5#
148 60.3 32.8 98.4





#93

1,2,4-Trichlorobenzene

Concen: 0.410 ug/l

RT: 15.365 min Scan# 21

Delta R.T. 0.000 min

Lab File: VN087935.D

Acq: 24 Sep 2025 09:47

Instrument :

MSVOA_N

ClientSampleId :

VN0924WBL01

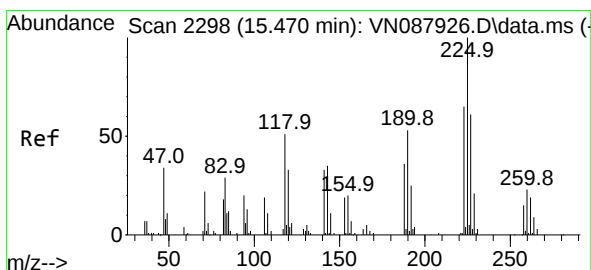
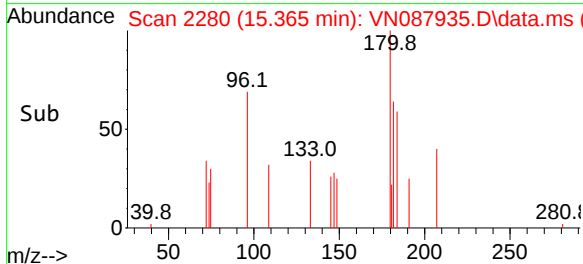
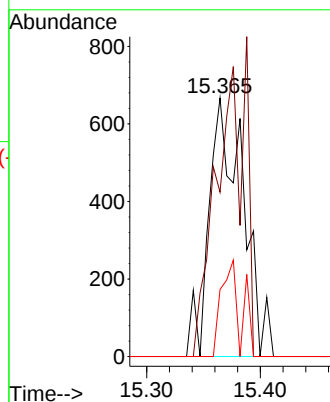
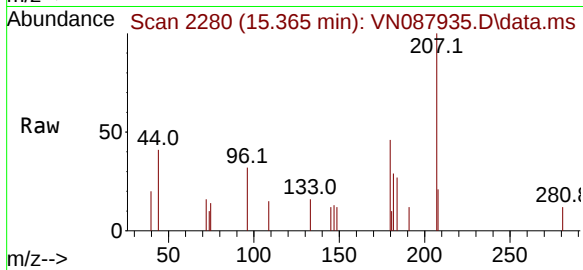
Tgt Ion:180 Resp: 1392

Ion Ratio Lower Upper

180 100

182 0.0 48.5 145.5#

145 0.0 15.9 47.6#



#94

Hexachlorobutadiene

Concen: 0.494 ug/l

RT: 15.476 min Scan# 2299

Delta R.T. 0.006 min

Lab File: VN087935.D

Acq: 24 Sep 2025 09:47

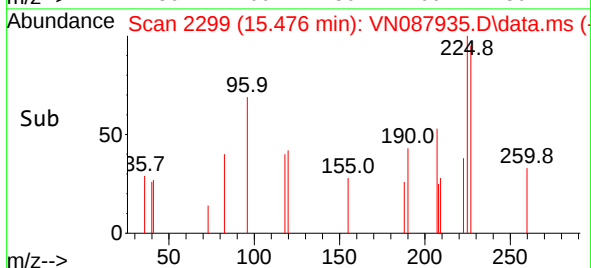
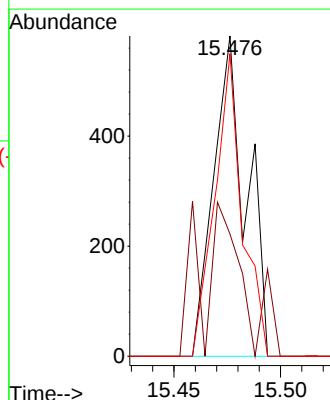
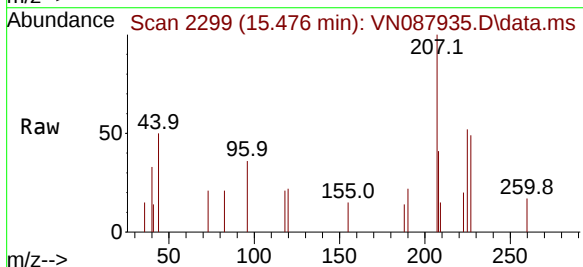
Tgt Ion:225 Resp: 618

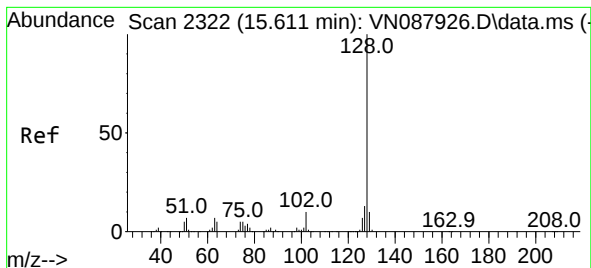
Ion Ratio Lower Upper

225 100

223 46.3 31.8 95.4

227 79.8 31.9 95.9





#95

Naphthalene

Concen: 0.219 ug/l

RT: 15.629 min Scan# 21

Delta R.T. 0.018 min

Lab File: VN087935.D

Acq: 24 Sep 2025 09:47

Instrument :

MSVOA_N

ClientSampleId :

VN0924WBL01

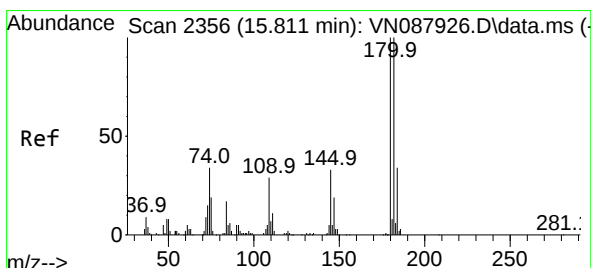
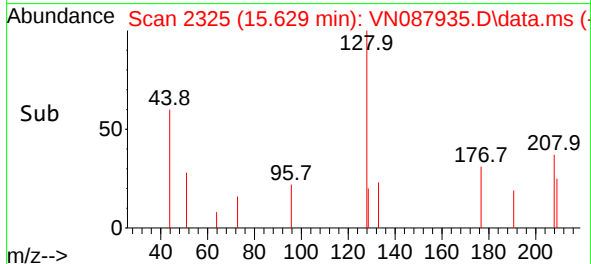
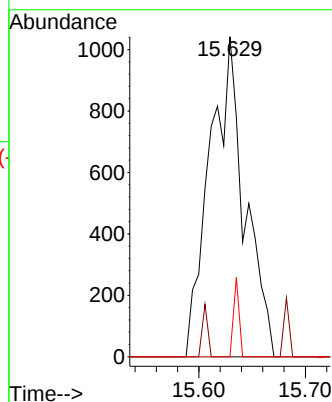
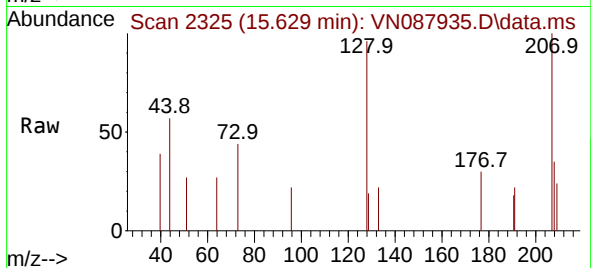
Tgt Ion:128 Resp: 2383

Ion Ratio Lower Upper

128 100

127 0.0 10.2 15.4#

129 3.8 8.6 13.0#



#96

1,2,3-Trichlorobenzene

Concen: 0.258 ug/l

RT: 15.800 min Scan# 2354

Delta R.T. -0.012 min

Lab File: VN087935.D

Acq: 24 Sep 2025 09:47

Tgt Ion:180 Resp: 851

Ion Ratio Lower Upper

180 100

182 101.6 47.3 142.0

145 0.0 16.1 48.3#

