

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082225\
 Data File : VN087638.D
 Acq On : 22 Aug 2025 14:01
 Operator : JC\MD
 Sample : Q2936-05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TB

Quant Time: Aug 25 01:20:31 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	8.212	168	166980	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	383570	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	362013	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	167155	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	182148	53.241	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	106.480%
35) Dibromofluoromethane	8.153	113	133050	48.043	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.080%
50) Toluene-d8	10.547	98	493240	47.586	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	95.180%
62) 4-Bromofluorobenzene	12.829	95	170572	46.273	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	92.540%

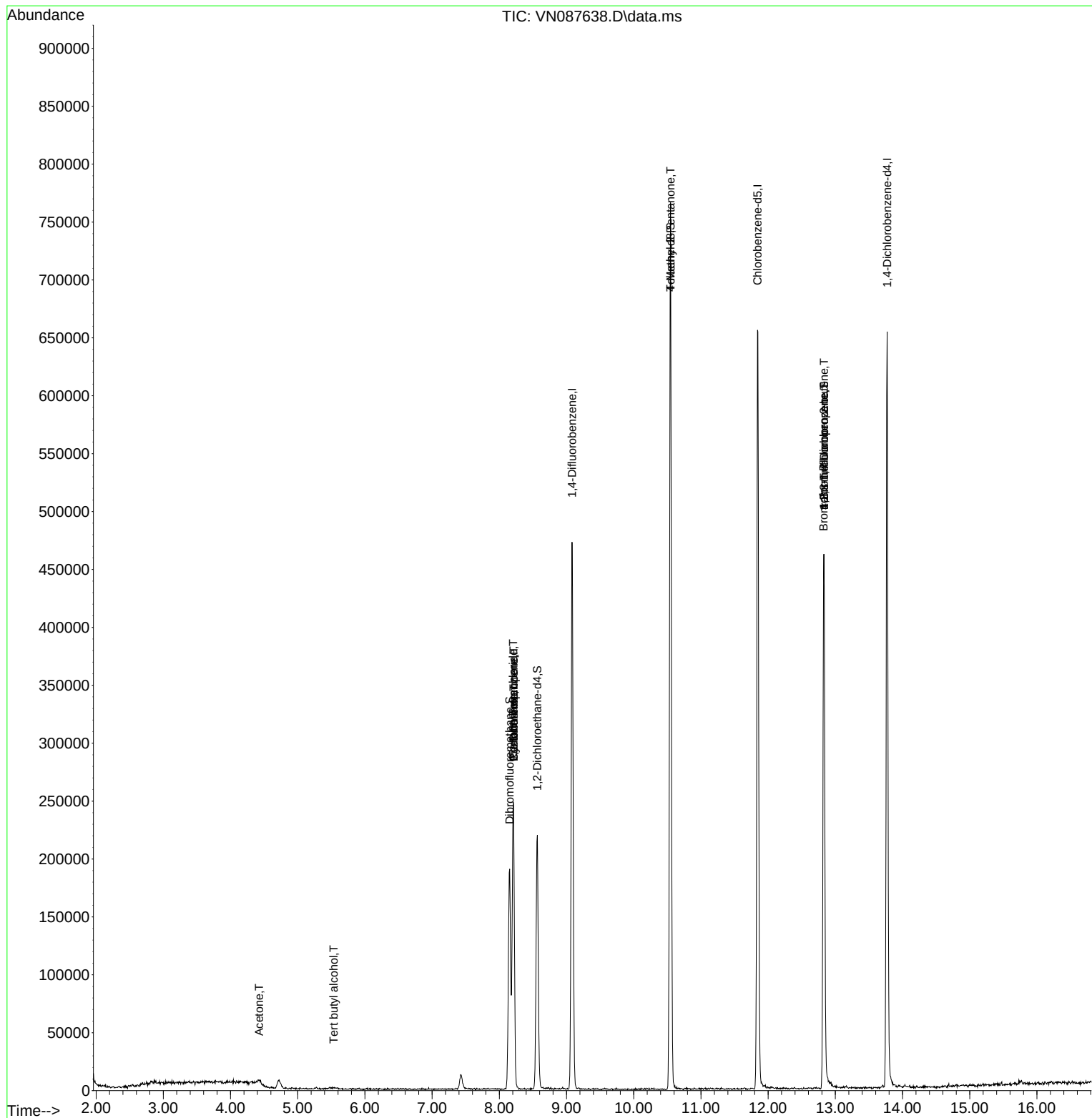
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.536	59	218	0.367	ug/l #	71
16) Acetone	4.424	43	5654	3.036	ug/l	94
20) Methylene Chloride	5.253	84	521	Below Cal	#	33
31) Cyclohexane	8.212	56	5319	1.236	ug/l #	47
36) 1,1-Dichloropropene	8.212	75	16489	3.881	ug/l #	53
38) Carbon Tetrachloride	8.206	117	21478	5.120	ug/l #	15
51) 4-Methyl-2-Pentanone	10.547	43	2955	0.540	ug/l #	1
71) Bromoform	12.823	173	992	0.433	ug/l #	1
76) 1,2,3-Trichloropropane	12.829	75	101557	25.908	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.829	75	101557	68.589	ug/l #	1

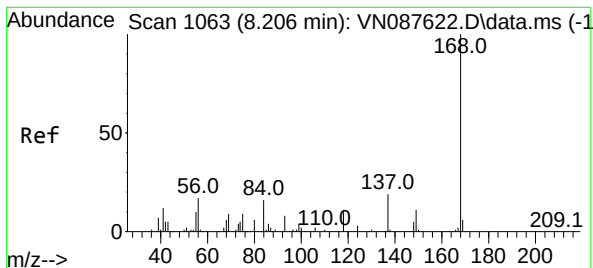
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082225\
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Quant Time: Aug 25 01:20:31 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

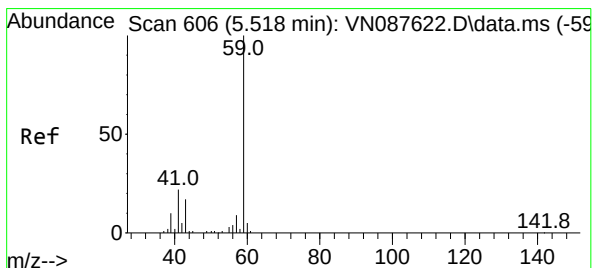
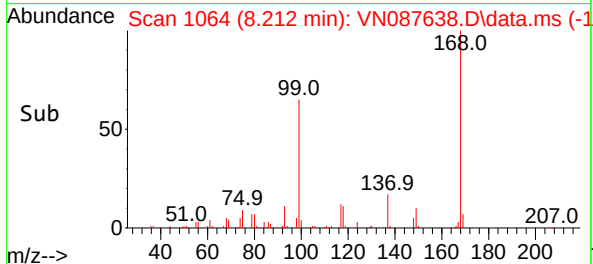
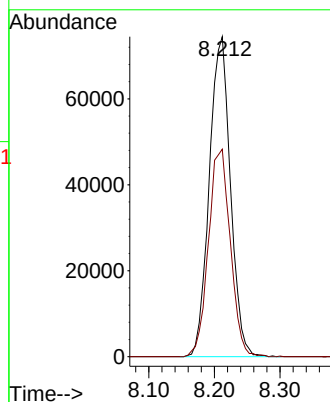
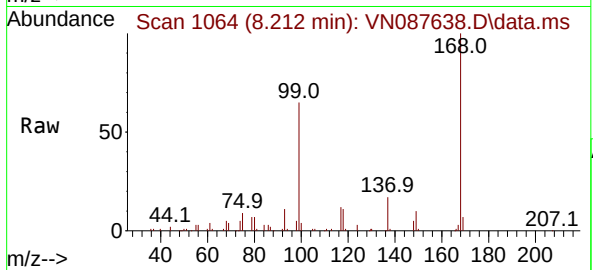




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.212 min Scan# 1064
Delta R.T. 0.006 min
Lab File: VN087638.D
Acq: 22 Aug 2025 14:01

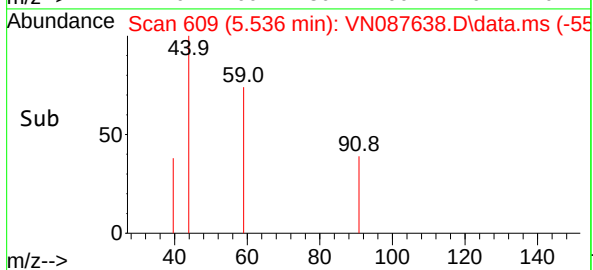
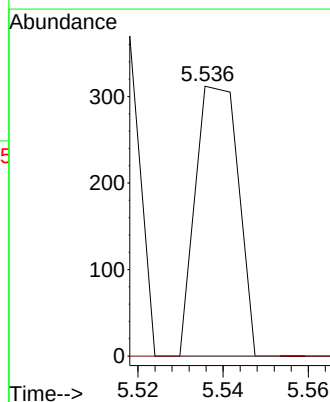
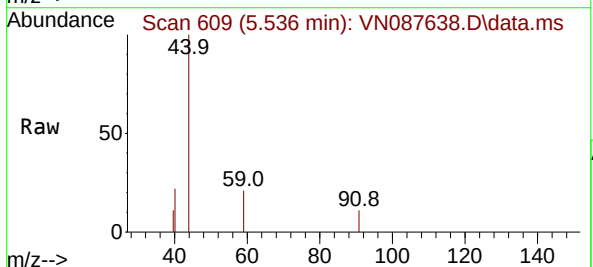
Instrument :
MSVOA_N
ClientSampleId :
TB

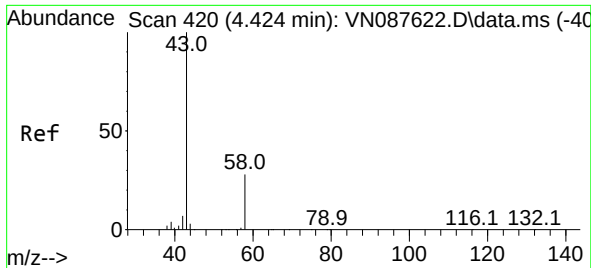
Tgt Ion:168 Resp: 166980
Ion Ratio Lower Upper
168 100
99 64.8 57.2 85.8



#11
Tert butyl alcohol
Concen: 0.367 ug/l
RT: 5.536 min Scan# 609
Delta R.T. 0.018 min
Lab File: VN087638.D
Acq: 22 Aug 2025 14:01

Tgt Ion: 59 Resp: 218
Ion Ratio Lower Upper
59 100
57 0.0 9.0 13.4#

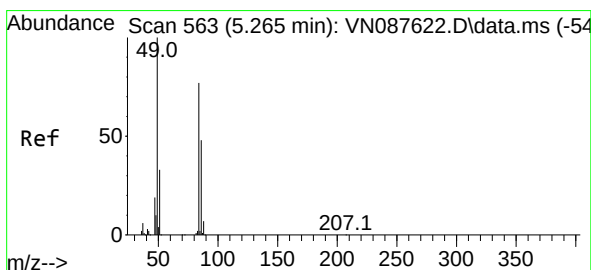
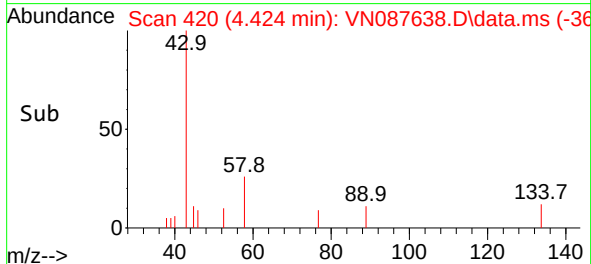
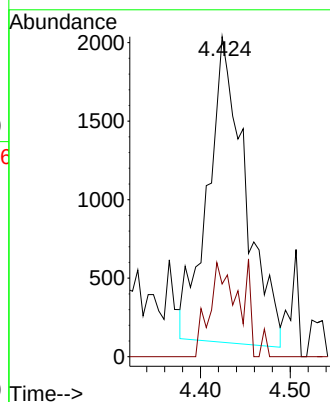
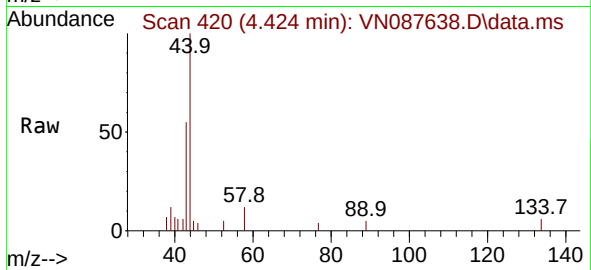




#16
Acetone
Concen: 3.036 ug/l
RT: 4.424 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN087638.D
Acq: 22 Aug 2025 14:01

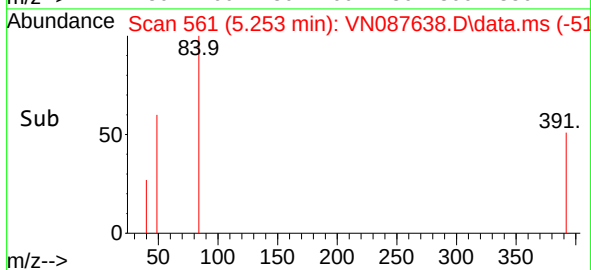
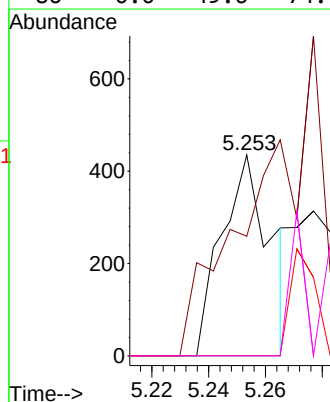
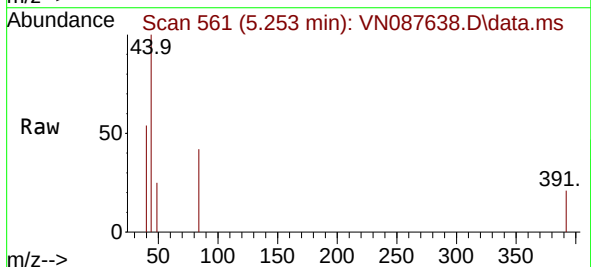
Instrument :
MSVOA_N
ClientSampleId :
TB

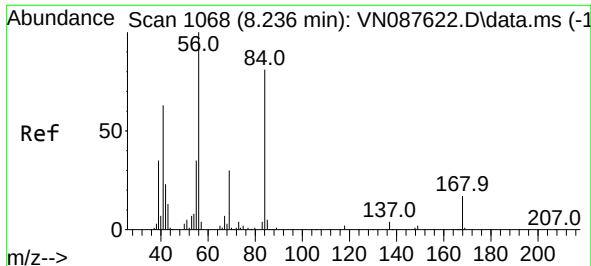
Tgt Ion: 43 Resp: 5654
Ion Ratio Lower Upper
43 100
58 25.0 22.6 33.8



#20
Methylene Chloride
Concen: Below Cal
RT: 5.253 min Scan# 561
Delta R.T. -0.012 min
Lab File: VN087638.D
Acq: 22 Aug 2025 14:01

Tgt Ion: 84 Resp: 521
Ion Ratio Lower Upper
84 100
49 59.5 103.4 155.2#
51 0.0 33.8 50.8#
86 0.0 49.6 74.4#

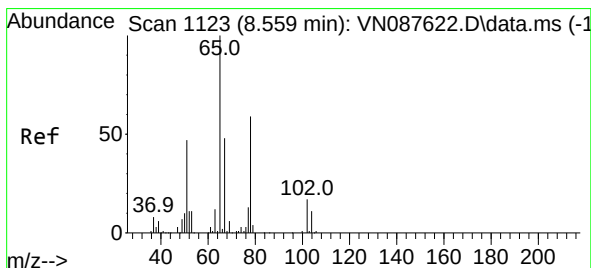
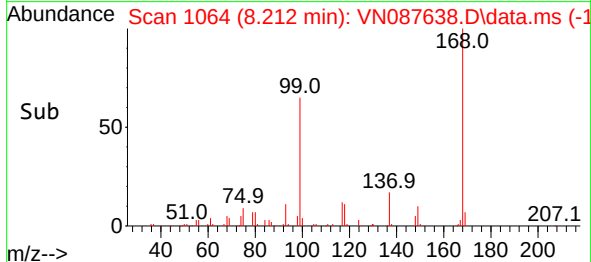
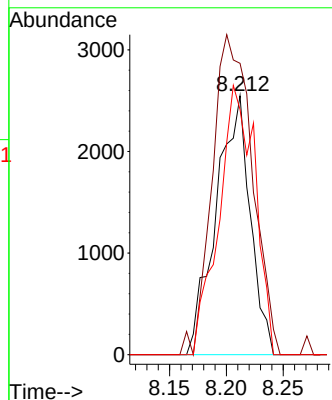
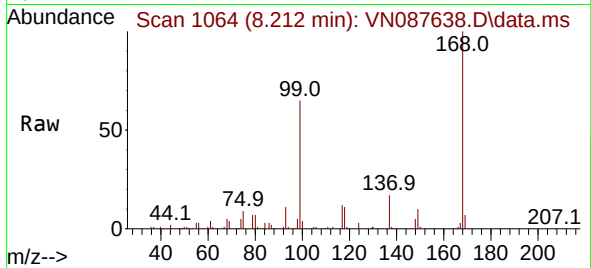




#31
Cyclohexane
Concen: 1.236 ug/l
RT: 8.212 min Scan# 1064
Delta R.T. -0.024 min
Lab File: VN087638.D
Acq: 22 Aug 2025 14:01

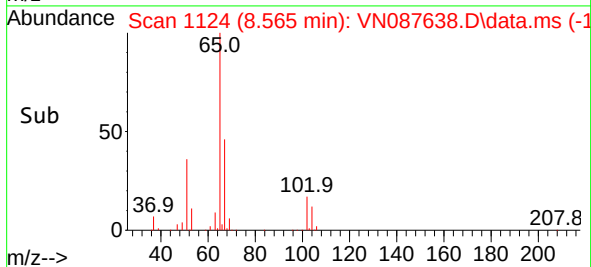
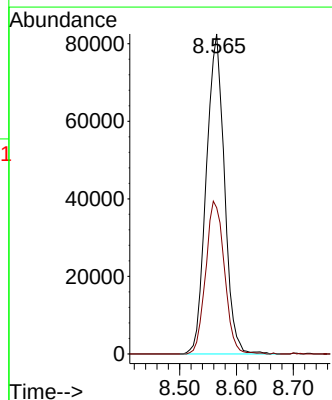
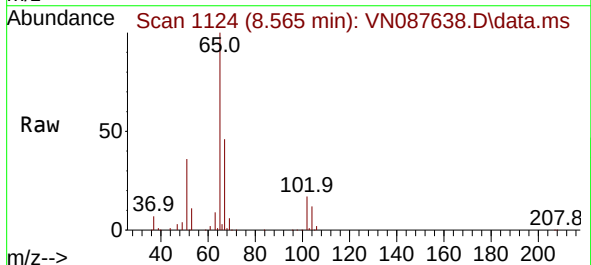
Instrument :
MSVOA_N
ClientSampleId :
TB

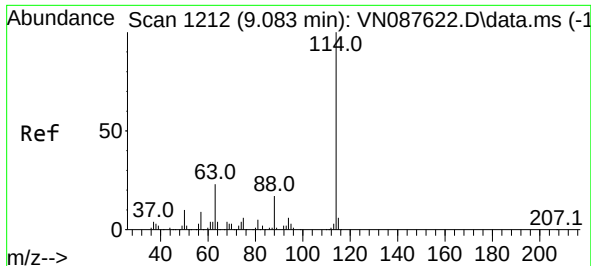
Tgt Ion: 56 Resp: 5319
Ion Ratio Lower Upper
56 100
69 112.6 23.7 35.5#
84 94.7 64.7 97.1



#33
1,2-Dichloroethane-d4
Concen: 53.241 ug/l
RT: 8.565 min Scan# 1124
Delta R.T. 0.006 min
Lab File: VN087638.D
Acq: 22 Aug 2025 14:01

Tgt Ion: 65 Resp: 182148
Ion Ratio Lower Upper
65 100
67 49.4 0.0 100.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.083 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN087638.D

Acq: 22 Aug 2025 14:01

Instrument :

MSVOA_N

ClientSampleId :

TB

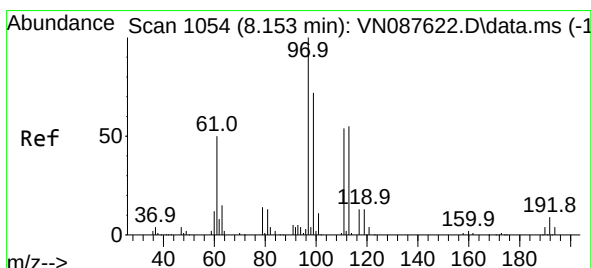
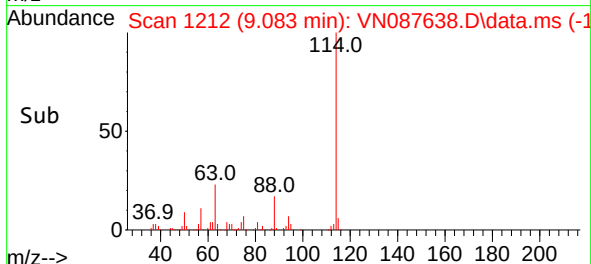
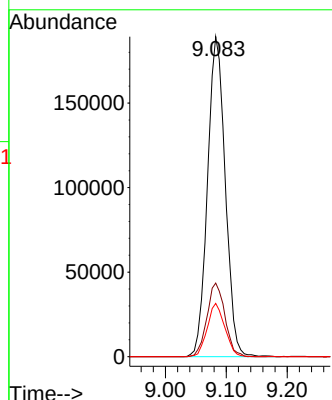
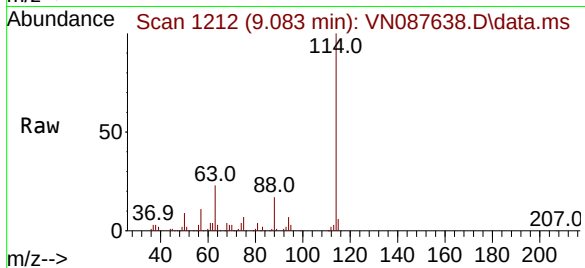
Tgt Ion:114 Resp: 383570

Ion Ratio Lower Upper

114 100

63 23.0 0.0 45.2

88 16.7 0.0 33.4



#35

Dibromofluoromethane

Concen: 48.043 ug/l

RT: 8.153 min Scan# 1054

Delta R.T. -0.000 min

Lab File: VN087638.D

Acq: 22 Aug 2025 14:01

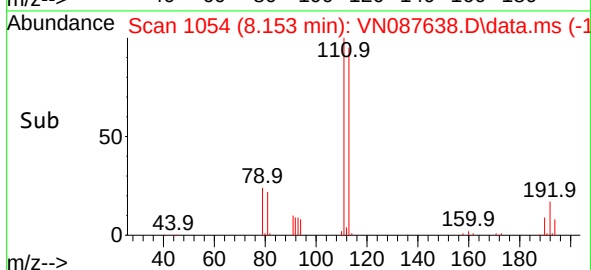
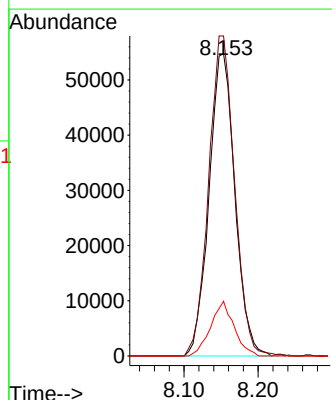
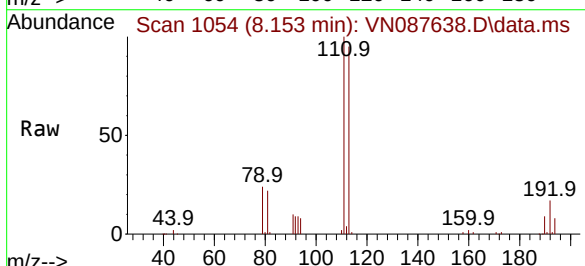
Tgt Ion:113 Resp: 133050

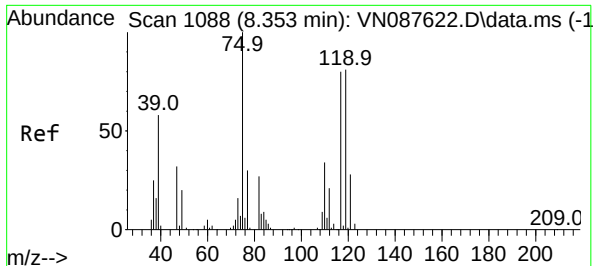
Ion Ratio Lower Upper

113 100

111 105.8 82.8 124.2

192 16.4 12.8 19.2





#36

1,1-Dichloropropene

Concen: 3.881 ug/l

RT: 8.212 min Scan# 1064

Delta R.T. -0.141 min

Lab File: VN087638.D

Acq: 22 Aug 2025 14:01

Instrument :

MSVOA_N

ClientSampleId :

TB

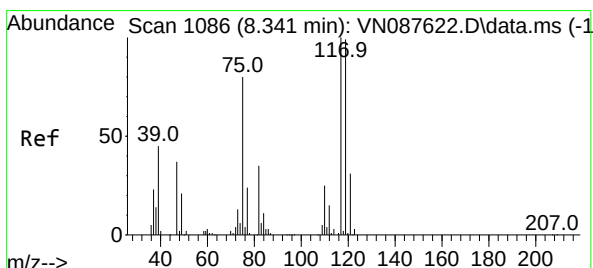
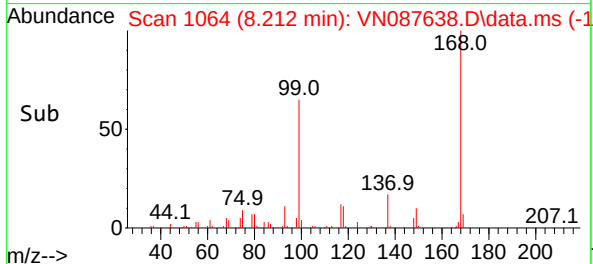
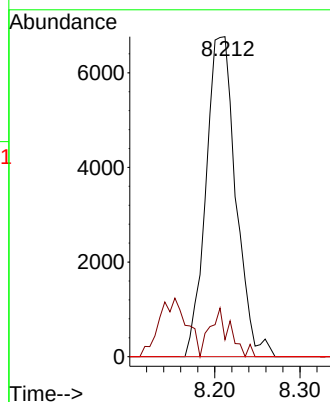
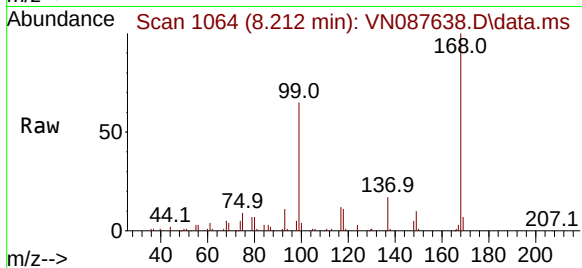
Tgt Ion: 75 Resp: 16489

Ion Ratio Lower Upper

75 100

110 10.2 15.9 47.6#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 5.120 ug/l

RT: 8.206 min Scan# 1063

Delta R.T. -0.135 min

Lab File: VN087638.D

Acq: 22 Aug 2025 14:01

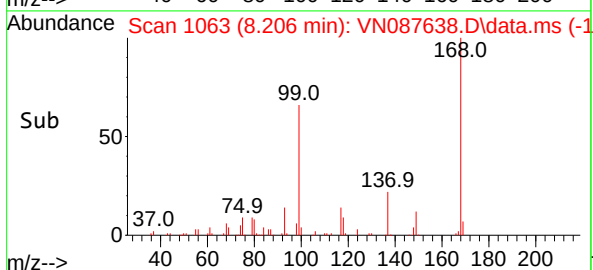
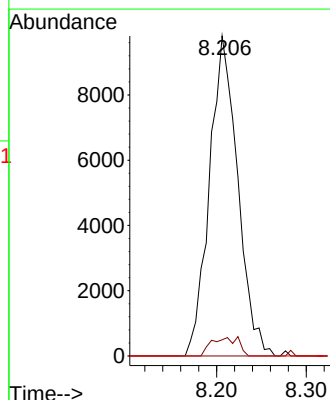
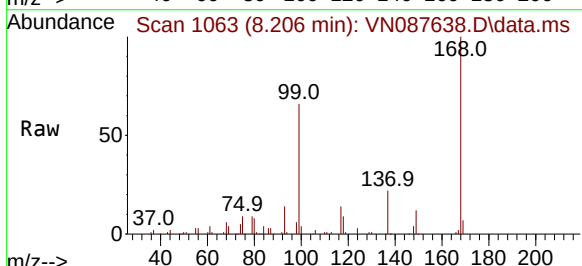
Tgt Ion: 117 Resp: 21478

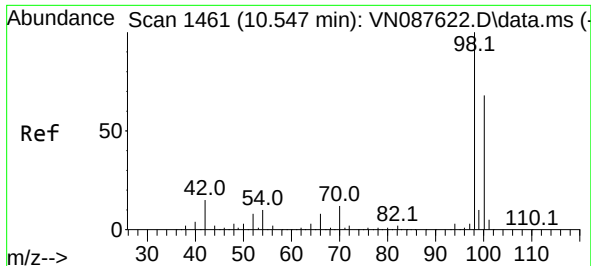
Ion Ratio Lower Upper

117 100

119 5.1 79.0 118.6#

121 0.0 25.0 37.6#

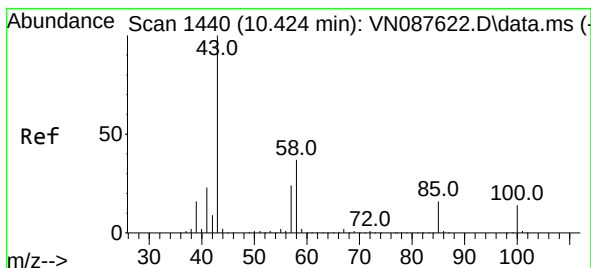
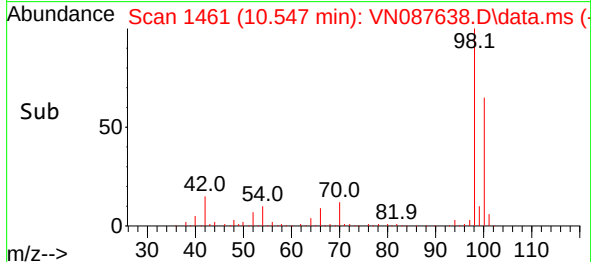
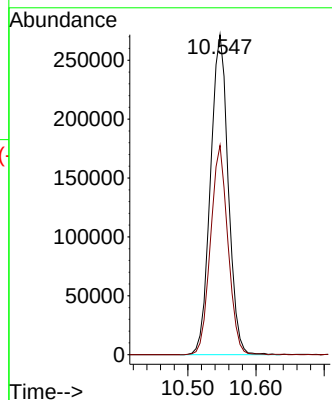
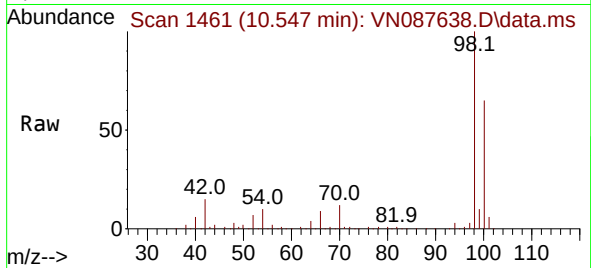




#50
Toluene-d8
Concen: 47.586 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. 0.000 min
Lab File: VN087638.D
Acq: 22 Aug 2025 14:01

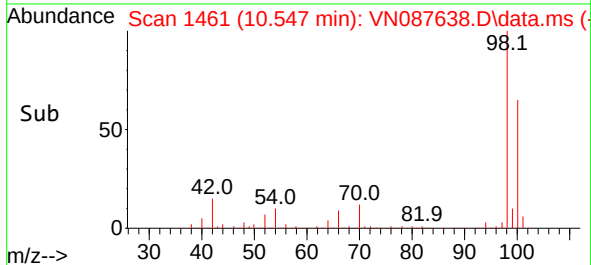
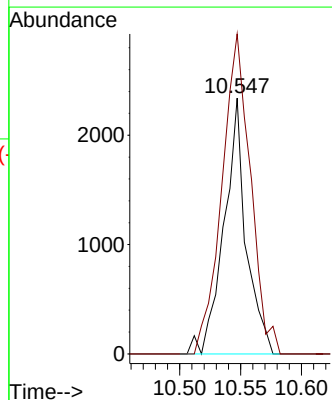
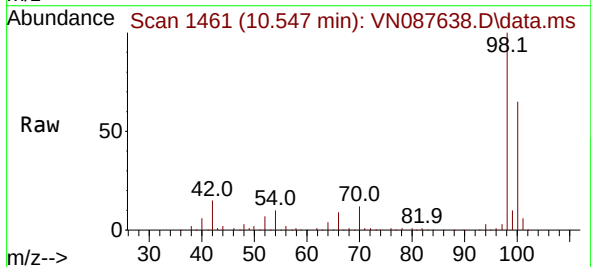
Instrument :
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ClientSampleId :
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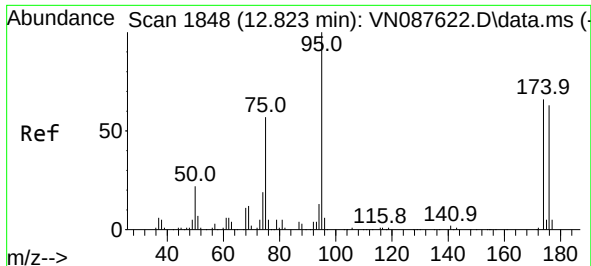
Tgt Ion: 98 Resp: 493240
Ion Ratio Lower Upper
98 100
100 63.8 52.8 79.2



#51
4-Methyl-2-Pentanone
Concen: 0.540 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. 0.124 min
Lab File: VN087638.D
Acq: 22 Aug 2025 14:01

Tgt Ion: 43 Resp: 2955
Ion Ratio Lower Upper
43 100
58 161.8 29.6 44.4#

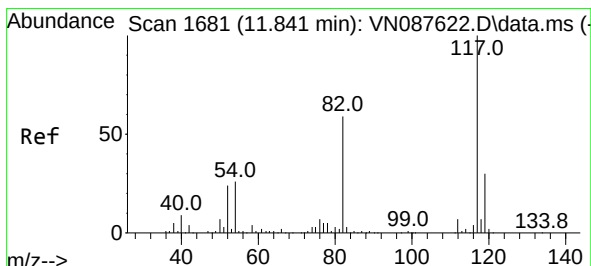
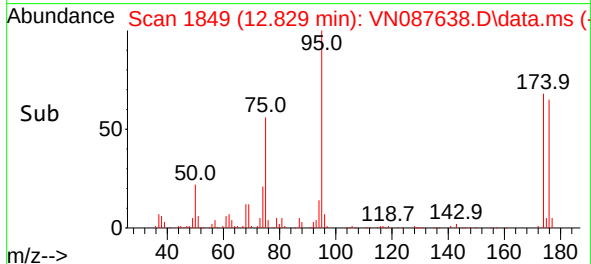
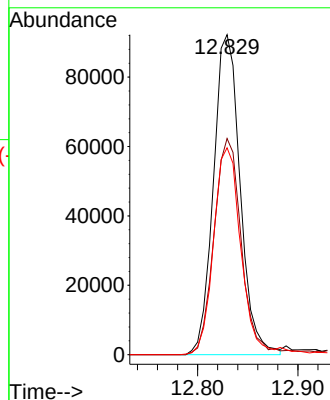
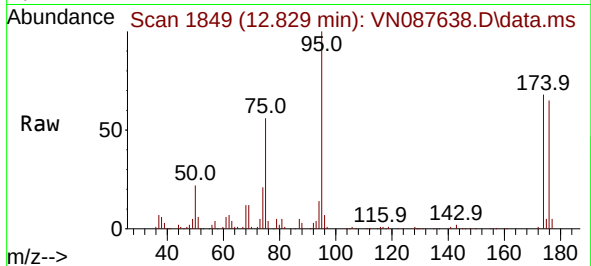




#62
4-Bromofluorobenzene
Concen: 46.273 ug/l
RT: 12.829 min Scan# 1848
Delta R.T. 0.006 min
Lab File: VN087638.D
Acq: 22 Aug 2025 14:01

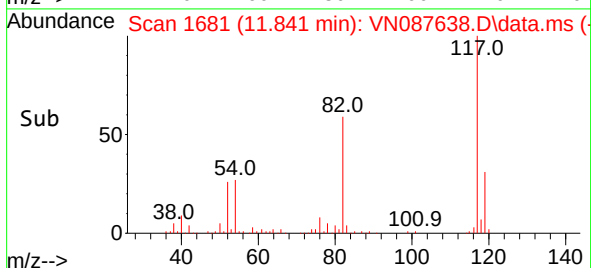
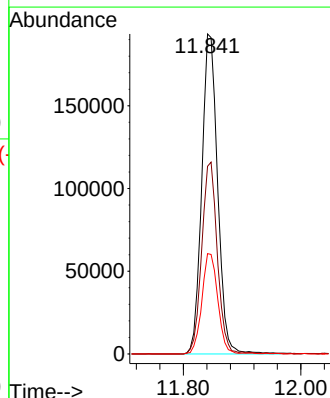
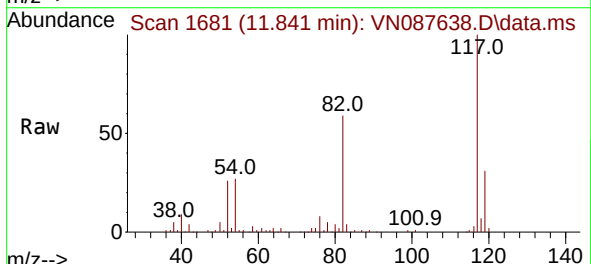
Instrument :
MSVOA_N
ClientSampleId :
TB

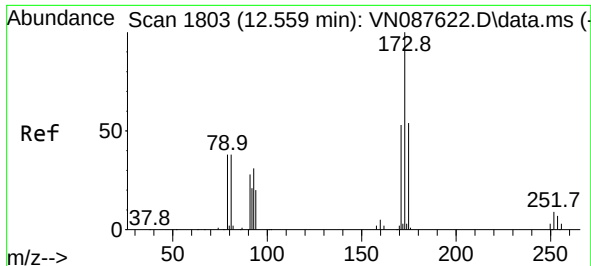
Tgt Ion: 95 Resp: 170572
Ion Ratio Lower Upper
95 100
174 70.8 0.0 138.4
176 66.9 0.0 132.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VN087638.D
Acq: 22 Aug 2025 14:01

Tgt Ion: 117 Resp: 362013
Ion Ratio Lower Upper
117 100
82 58.7 47.4 71.2
119 31.4 24.3 36.5

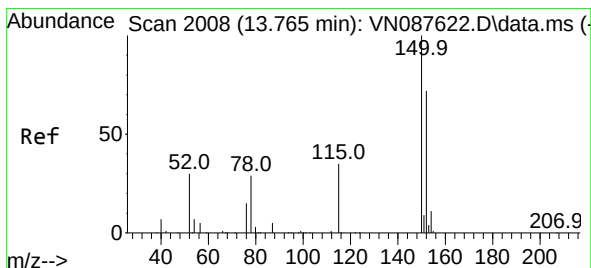
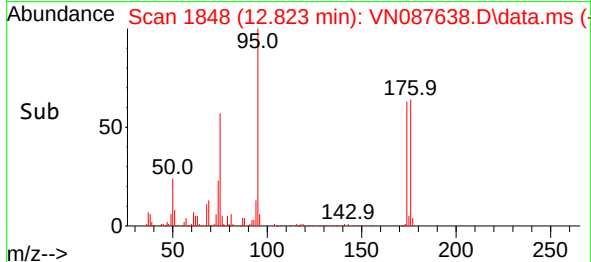
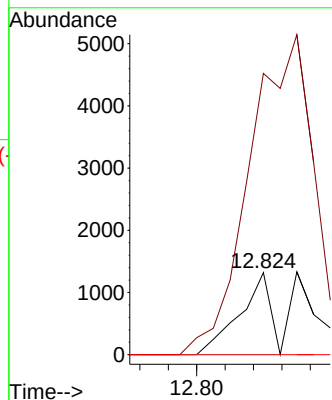
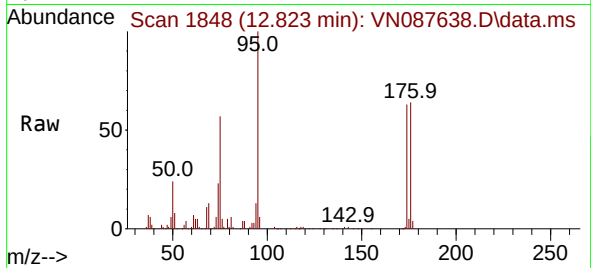




#71
Bromoform
Concen: 0.433 ug/l
RT: 12.823 min Scan# 11
Delta R.T. 0.265 min
Lab File: VN087638.D
Acq: 22 Aug 2025 14:01

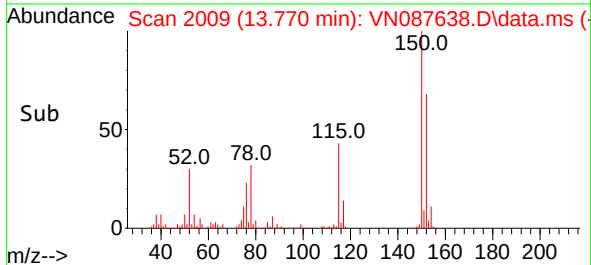
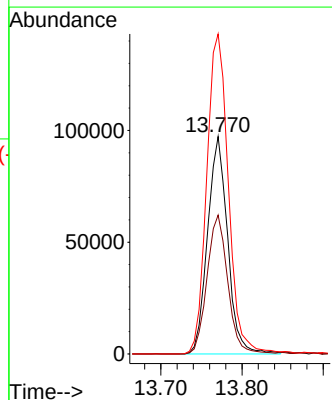
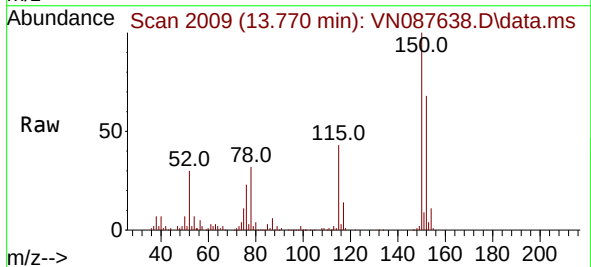
Instrument :
MSVOA_N
ClientSampleId :
TB

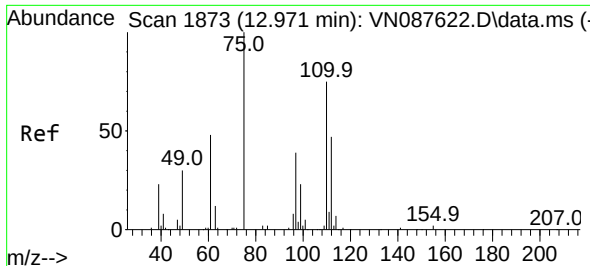
Tgt Ion:173 Resp: 992
Ion Ratio Lower Upper
173 100
175 479.9 24.9 74.6#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. 0.006 min
Lab File: VN087638.D
Acq: 22 Aug 2025 14:01

Tgt Ion:152 Resp: 167155
Ion Ratio Lower Upper
152 100
115 65.7 32.3 96.8
150 158.7 0.0 351.0

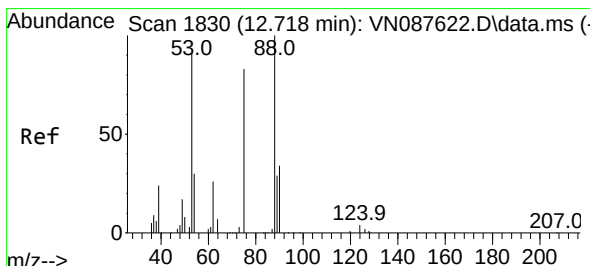
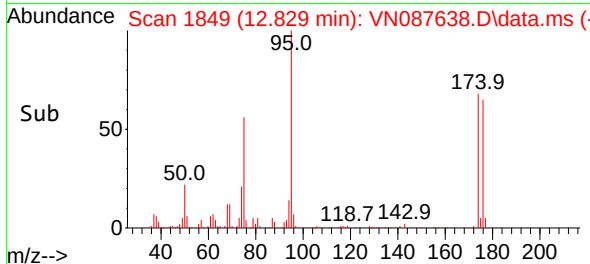
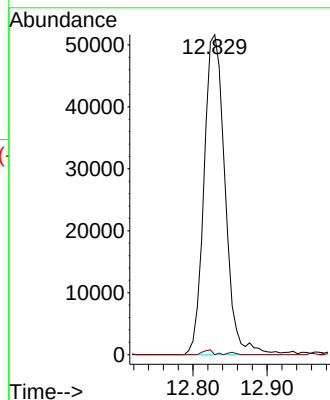
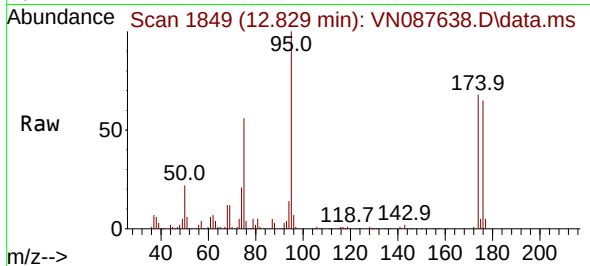




#76
1,2,3-Trichloropropane
Concen: 25.908 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. -0.141 min
Lab File: VN087638.D
Acq: 22 Aug 2025 14:01

Instrument :
MSVOA_N
ClientSampleId :
TB

Tgt Ion: 75 Resp: 101557
Ion Ratio Lower Upper
75 100
77 0.7 89.1 267.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 68.589 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.112 min
Lab File: VN087638.D
Acq: 22 Aug 2025 14:01

Tgt Ion: 75 Resp: 101557
Ion Ratio Lower Upper
75 100
53 0.1 101.8 152.6#
89 0.0 35.6 53.4#

