

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082525\
 Data File : VN087657.D
 Acq On : 25 Aug 2025 15:01
 Operator : JC\MD
 Sample : Q2936-01RE
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 26 01:36:15 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)

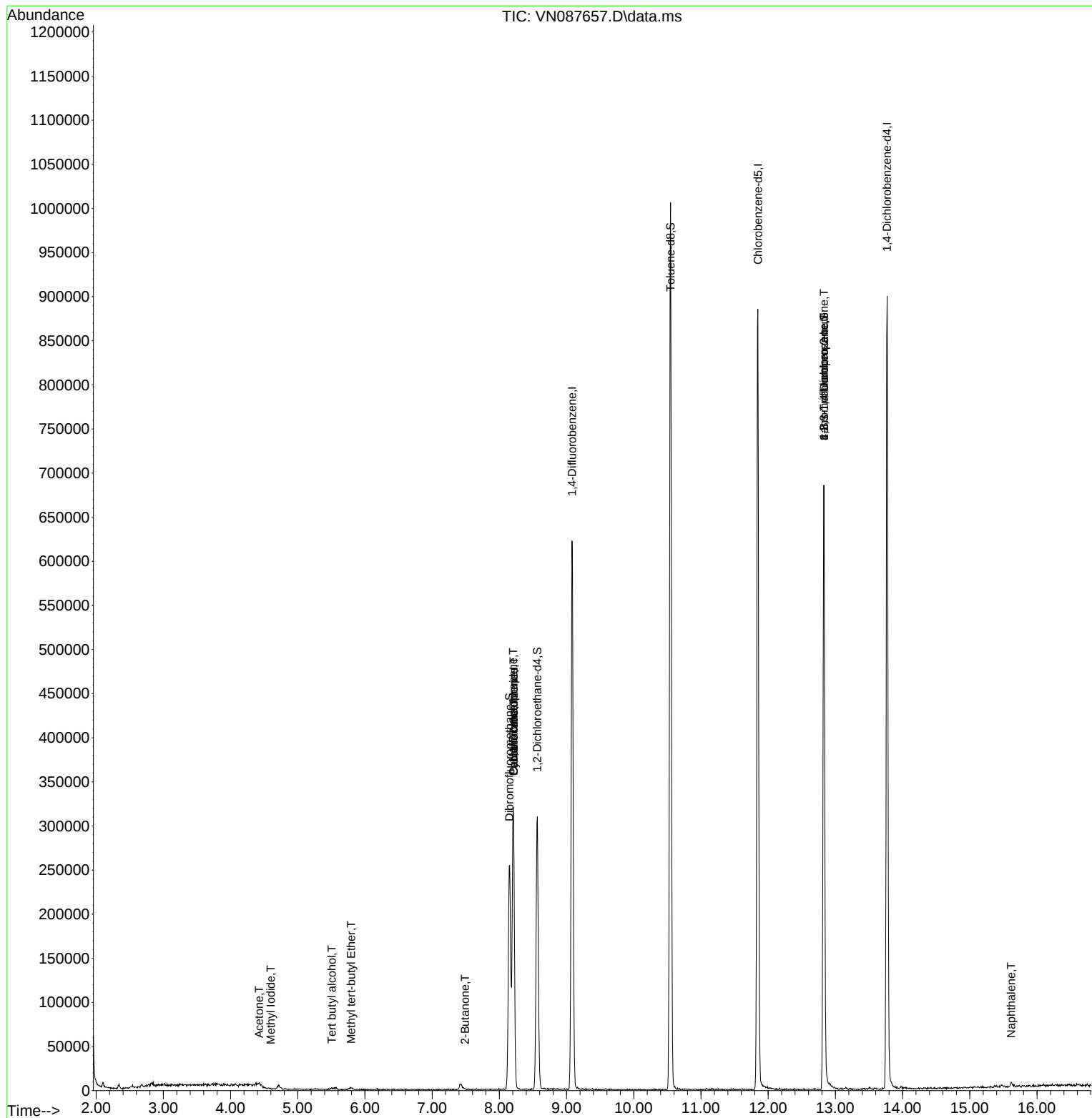
Internal Standards						
1) Pentafluorobenzene	8.212	168	213929	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	506260	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	481175	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	228100	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	255422	58.273	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 116.540%			
35) Dibromofluoromethane	8.147	113	185124	50.647	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.300%			
50) Toluene-d8	10.547	98	669638	48.948	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 97.900%			
62) 4-Bromofluorobenzene	12.829	95	229279	47.125	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 94.260%			
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.600	142	55	6.832	ug/l #	30
11) Tert butyl alcohol	5.506	59	1690	2.221	ug/l #	71
16) Acetone	4.424	43	6362	2.666	ug/l	99
19) Methyl tert-butyl Ether	5.794	73	2599	0.225	ug/l #	53
20) Methylene Chloride	5.265	84	325	Below Cal	#	40
25) 2-Butanone	7.488	43	1018	0.324	ug/l #	50
31) Cyclohexane	8.212	56	7465	1.354	ug/l #	60
36) 1,1-Dichloropropene	8.206	75	22929	4.089	ug/l #	51
38) Carbon Tetrachloride	8.212	117	26311	4.752	ug/l #	14
76) 1,2,3-Trichloropropane	12.829	75	139061	25.997	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.829	75	139061	68.825	ug/l #	1
95) Naphthalene	15.617	128	5224	0.302	ug/l	98

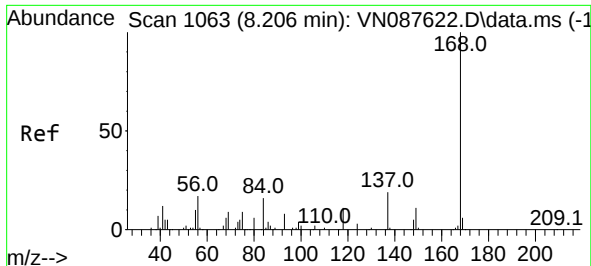
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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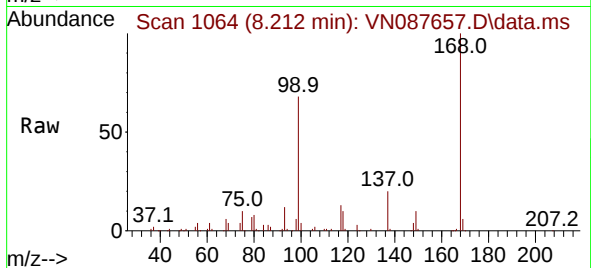
Quant Time: Aug 26 01:36:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:55:42 2025
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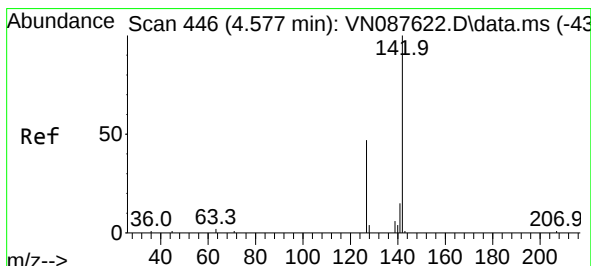
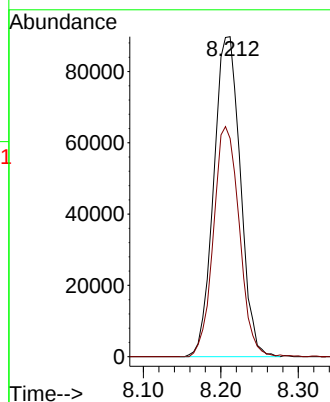
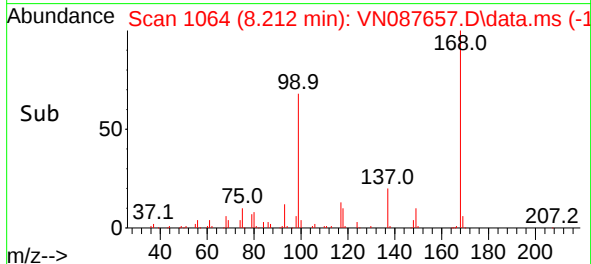


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.212 min Scan# 1064
Delta R.T. 0.006 min
Lab File: VN087657.D
Acq: 25 Aug 2025 15:01

Instrument :
MSVOA_N
ClientSampleId :

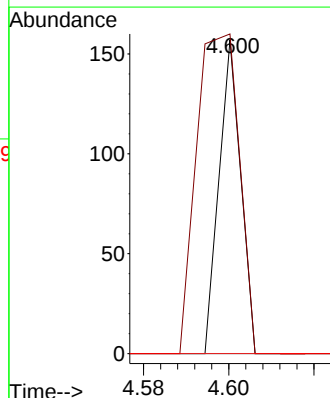
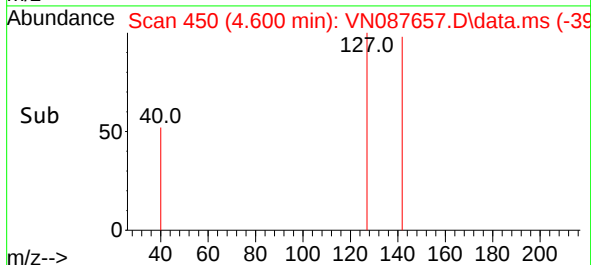
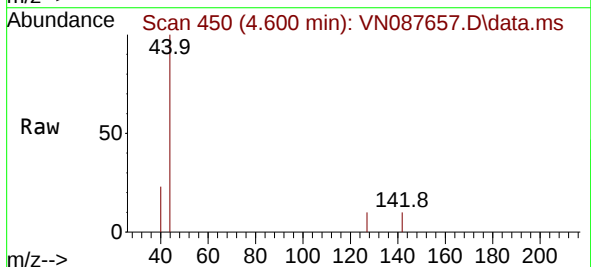


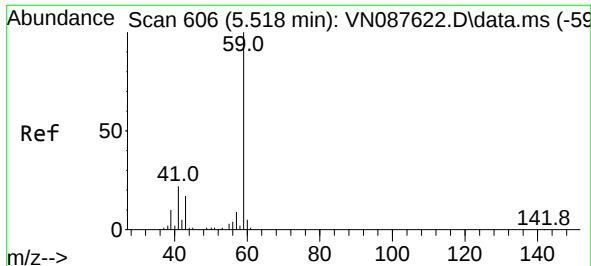
Tgt Ion:168 Resp: 213929
Ion Ratio Lower Upper
168 100
99 68.2 57.2 85.8



#10
Methyl Iodide
Concen: 6.832 ug/l
RT: 4.600 min Scan# 450
Delta R.T. 0.023 min
Lab File: VN087657.D
Acq: 25 Aug 2025 15:01

Tgt Ion:142 Resp: 55
Ion Ratio Lower Upper
142 100
127 101.9 38.0 57.0#
141 0.0 12.0 18.0#

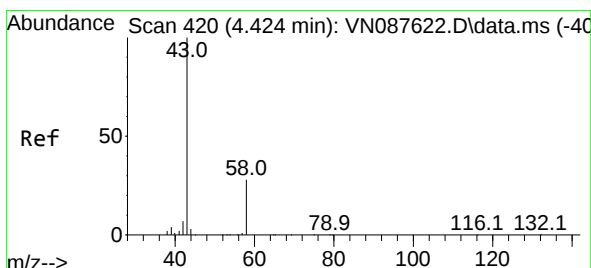
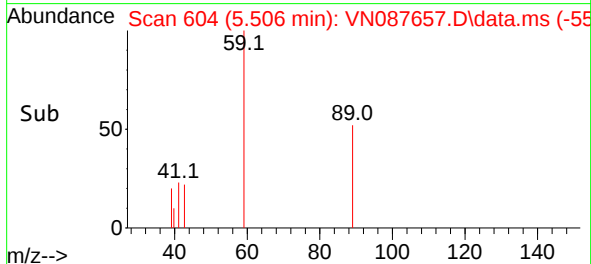
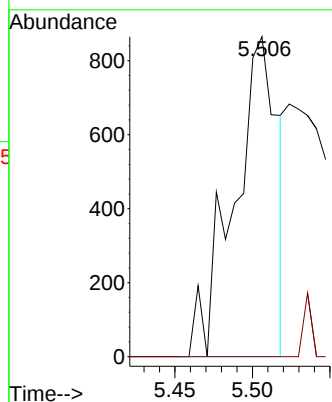
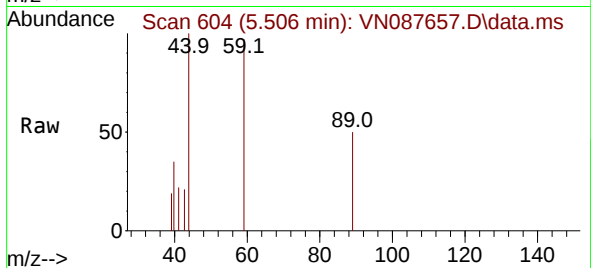




#11
Tert butyl alcohol
Concen: 2.221 ug/l
RT: 5.506 min Scan# 606
Delta R.T. -0.012 min
Lab File: VN087657.D
Acq: 25 Aug 2025 15:01

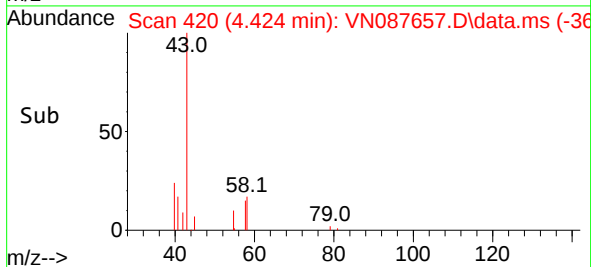
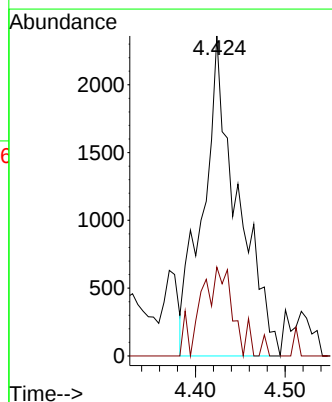
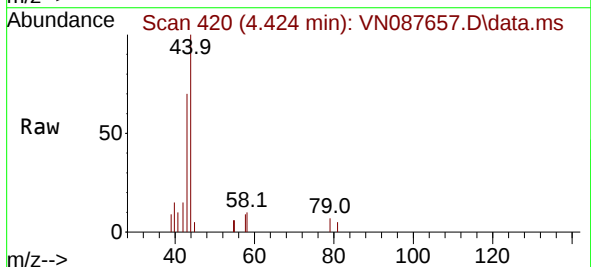
Instrument :
MSVOA_N
ClientSampleId :

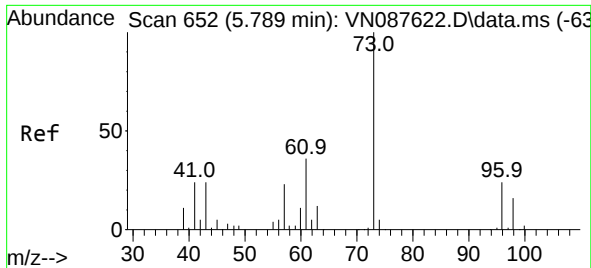
Tgt Ion: 59 Resp: 1690
Ion Ratio Lower Upper
59 100
57 0.0 9.0 13.4#



#16
Acetone
Concen: 2.666 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.000 min
Lab File: VN087657.D
Acq: 25 Aug 2025 15:01

Tgt Ion: 43 Resp: 6362
Ion Ratio Lower Upper
43 100
58 27.8 22.6 33.8

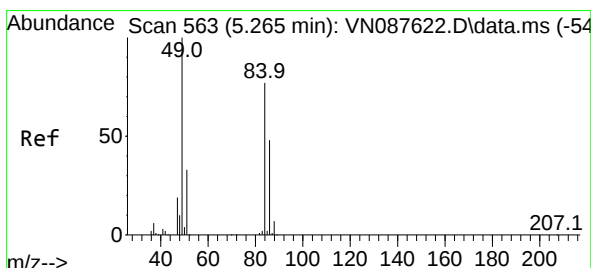
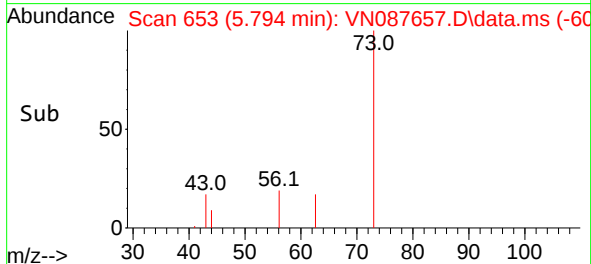
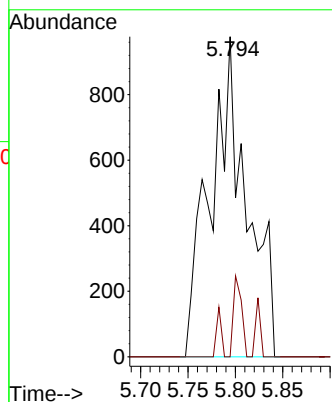
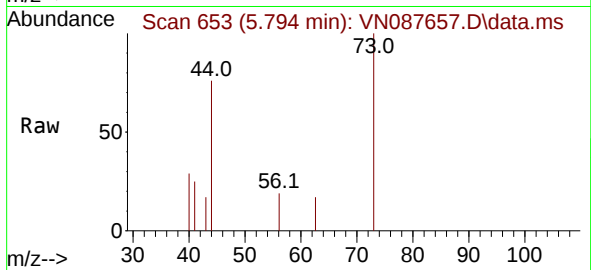




#19
Methyl tert-butyl Ether
Concen: 0.225 ug/l
RT: 5.794 min Scan# 61
Delta R.T. 0.006 min
Lab File: VN087657.D
Acq: 25 Aug 2025 15:01

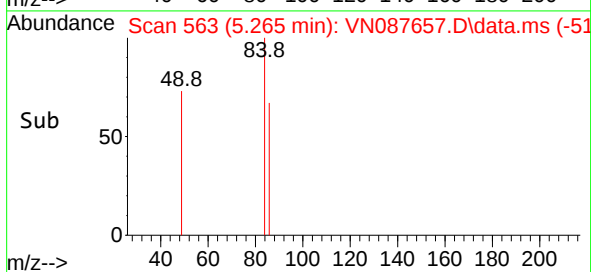
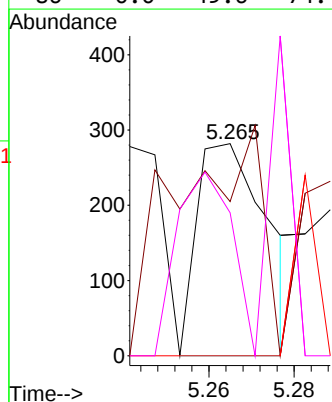
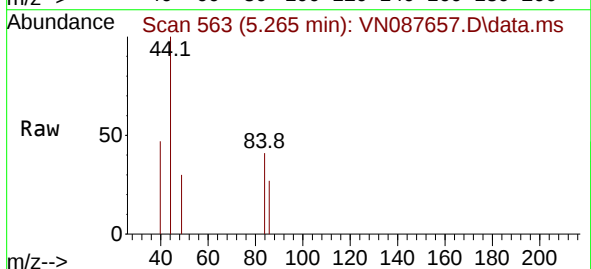
Instrument :
MSVOA_N
ClientSampleId :

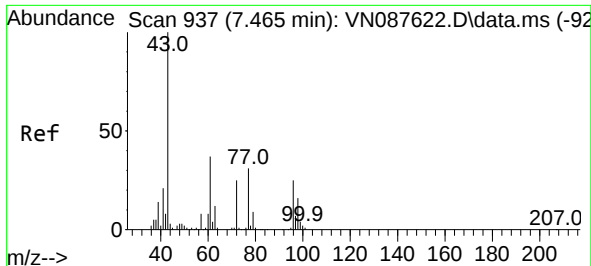
Tgt Ion: 73 Resp: 2599
Ion Ratio Lower Upper
73 100
57 0.0 18.4 27.6#



#20
Methylene Chloride
Concen: Below Cal
RT: 5.265 min Scan# 563
Delta R.T. -0.000 min
Lab File: VN087657.D
Acq: 25 Aug 2025 15:01

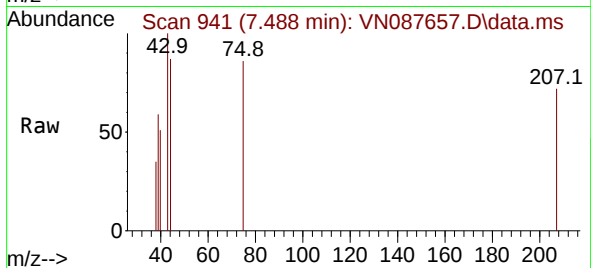
Tgt Ion: 84 Resp: 325
Ion Ratio Lower Upper
84 100
49 72.7 103.4 155.2#
51 0.0 33.8 50.8#
86 0.0 49.6 74.4#



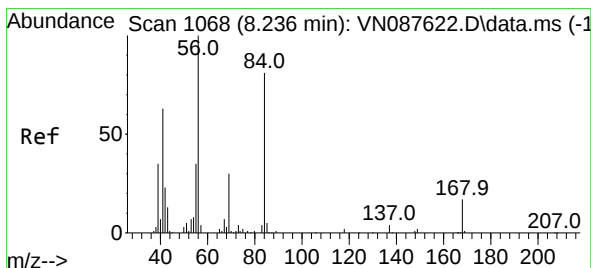
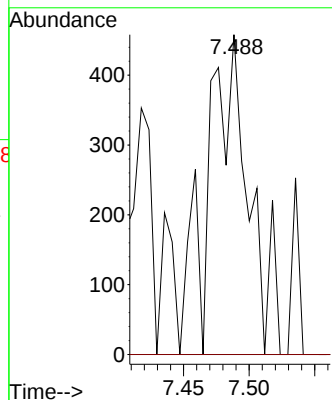
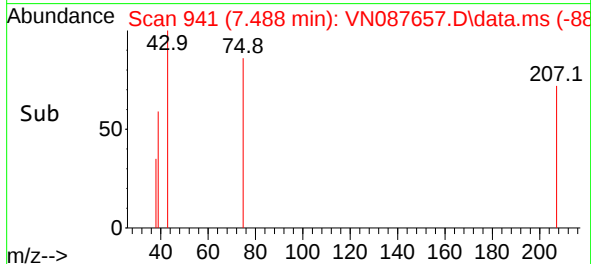


#25
2-Butanone
Concen: 0.324 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.023 min
Lab File: VN087657.D
Acq: 25 Aug 2025 15:01

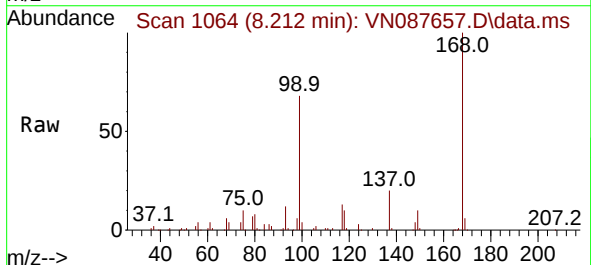
Instrument :
MSVOA_N
ClientSampleId :



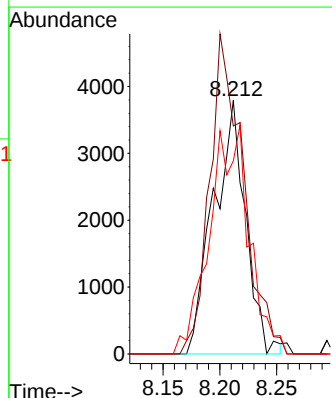
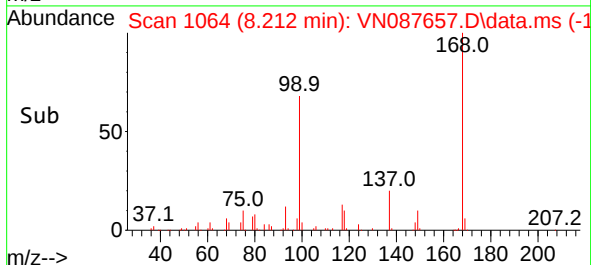
Tgt Ion: 43 Resp: 1018
Ion Ratio Lower Upper
43 100
72 0.0 19.9 29.9#

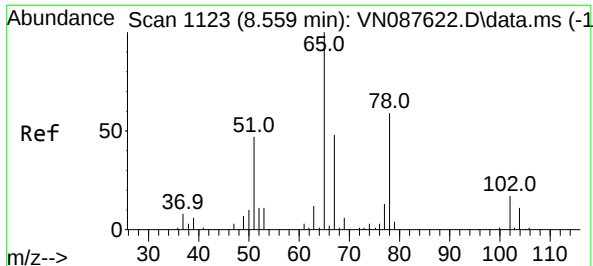


#31
Cyclohexane
Concen: 1.354 ug/l
RT: 8.212 min Scan# 1064
Delta R.T. -0.024 min
Lab File: VN087657.D
Acq: 25 Aug 2025 15:01



Tgt Ion: 56 Resp: 7465
Ion Ratio Lower Upper
56 100
69 89.9 23.7 35.5#
84 69.0 64.7 97.1





#33

1,2-Dichloroethane-d4

Concen: 58.273 ug/l

RT: 8.565 min Scan# 1123

Delta R.T. 0.006 min

Lab File: VN087657.D

Acq: 25 Aug 2025 15:01

Instrument :

MSVOA_N

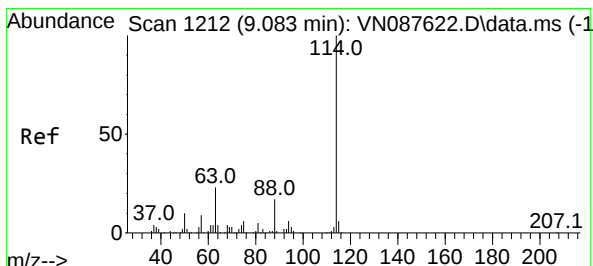
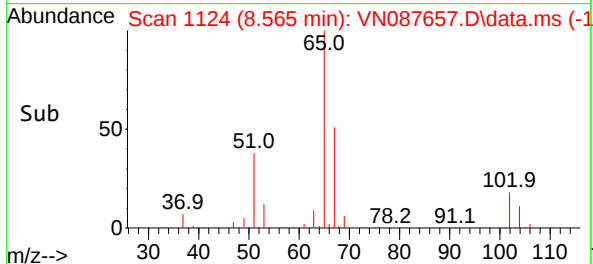
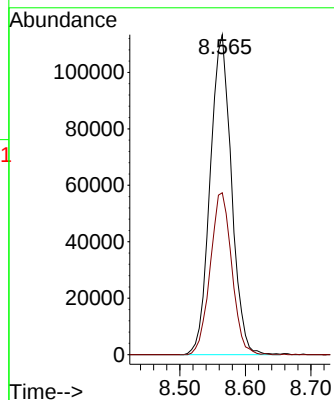
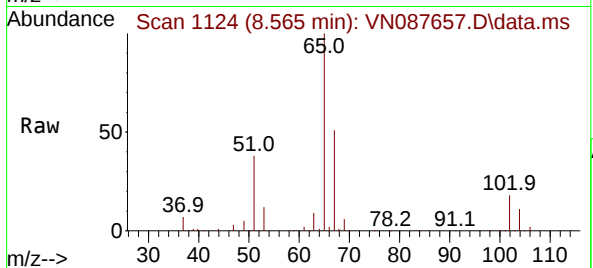
ClientSampleId :

Tgt Ion: 65 Resp: 255422

Ion Ratio Lower Upper

65 100

67 51.2 0.0 100.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.082 min Scan# 1212

Delta R.T. -0.000 min

Lab File: VN087657.D

Acq: 25 Aug 2025 15:01

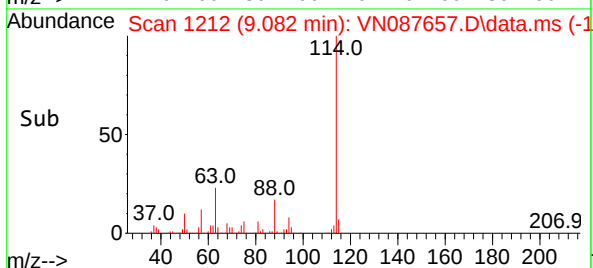
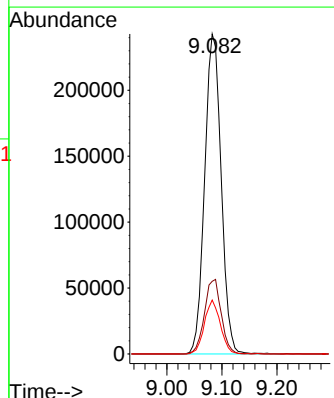
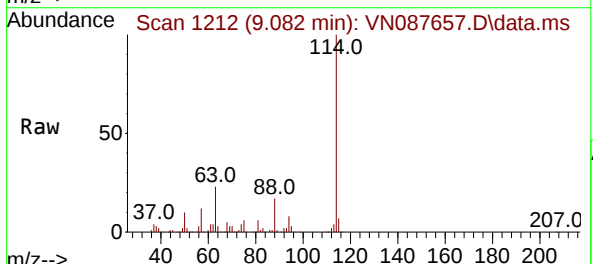
Tgt Ion: 114 Resp: 506260

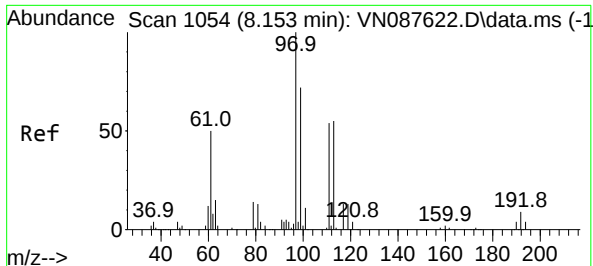
Ion Ratio Lower Upper

114 100

63 22.7 0.0 45.2

88 16.8 0.0 33.4





#35

Dibromofluoromethane

Concen: 50.647 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. -0.006 min

Lab File: VN087657.D

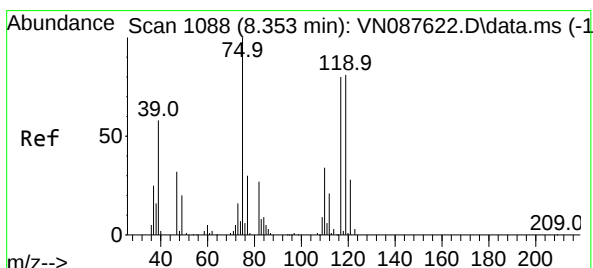
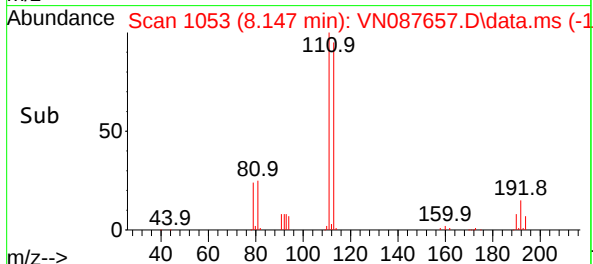
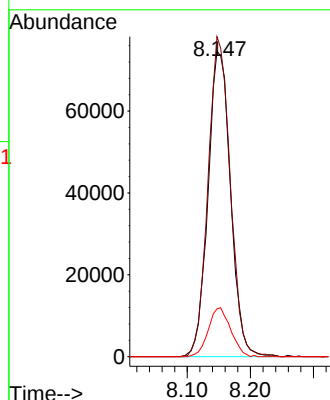
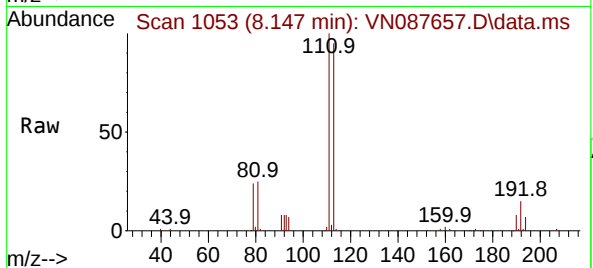
Acq: 25 Aug 2025 15:01

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:	113	Resp:	185124
Ion	Ratio	Lower	Upper
113	100		
111	103.2	82.8	124.2
192	15.9	12.8	19.2



#36

1,1-Dichloropropene

Concen: 4.089 ug/l

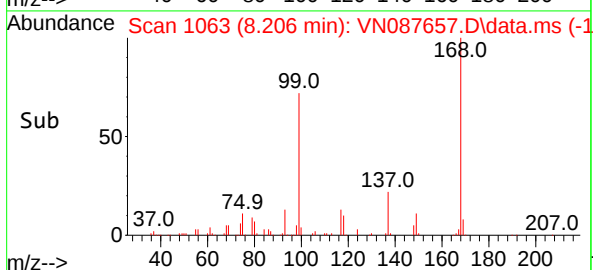
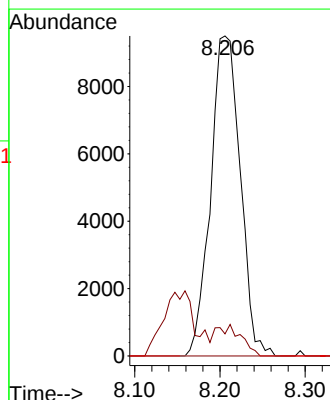
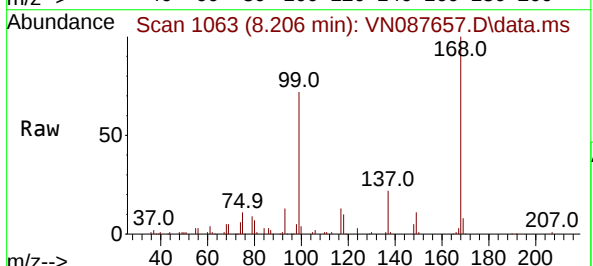
RT: 8.206 min Scan# 1063

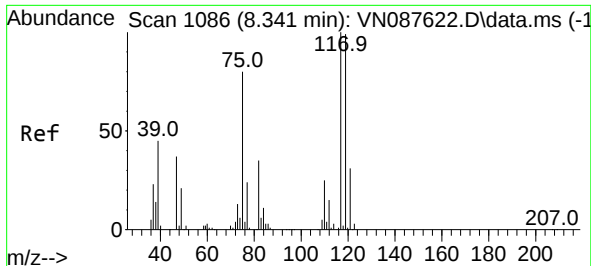
Delta R.T. -0.147 min

Lab File: VN087657.D

Acq: 25 Aug 2025 15:01

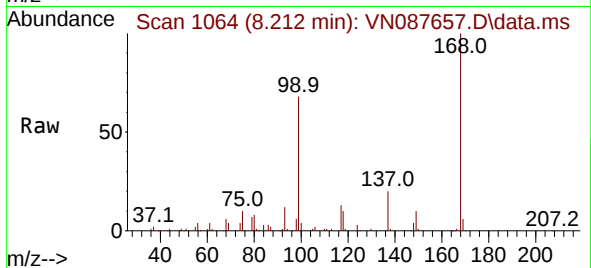
Tgt Ion:	75	Resp:	22929
Ion	Ratio	Lower	Upper
75	100		
110	8.3	15.9	47.6#
77	0.0	24.4	36.6#



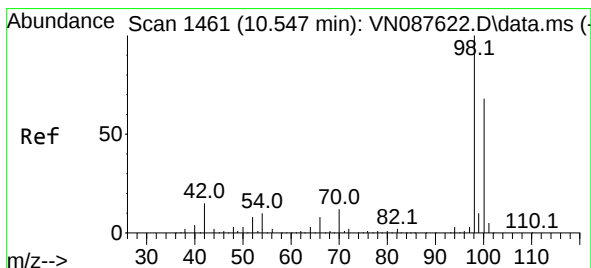
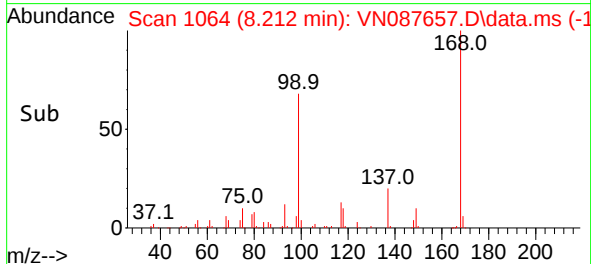
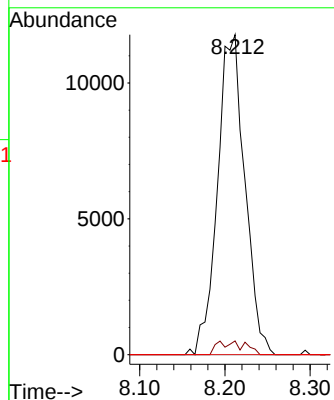


#38
Carbon Tetrachloride
Concen: 4.752 ug/l
RT: 8.212 min Scan# 1064
Delta R.T. -0.130 min
Lab File: VN087657.D
Acq: 25 Aug 2025 15:01

Instrument :
MSVOA_N
ClientSampleId :

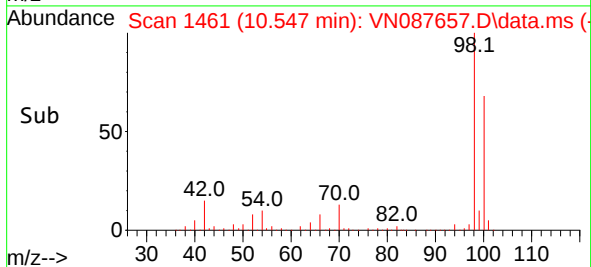
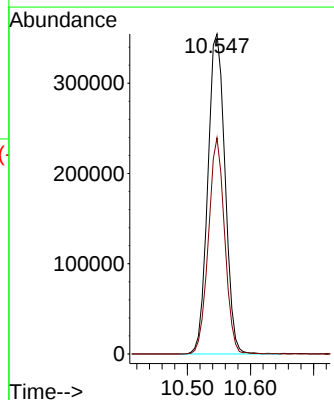
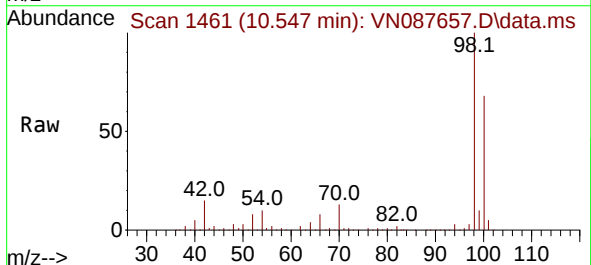


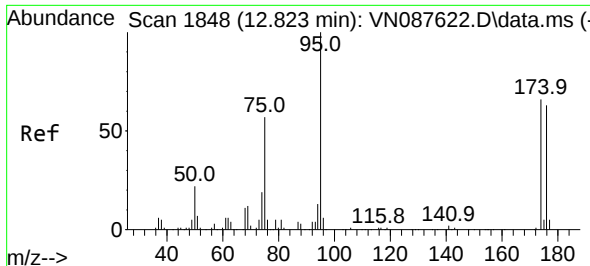
Tgt Ion:117 Resp: 26311
Ion Ratio Lower Upper
117 100
119 4.3 79.0 118.6#
121 0.0 25.0 37.6#



#50
Toluene-d8
Concen: 48.948 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN087657.D
Acq: 25 Aug 2025 15:01

Tgt Ion: 98 Resp: 669638
Ion Ratio Lower Upper
98 100
100 63.7 52.8 79.2

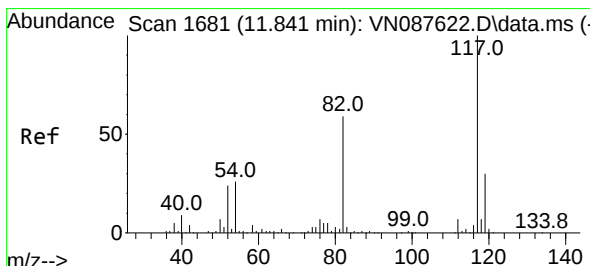
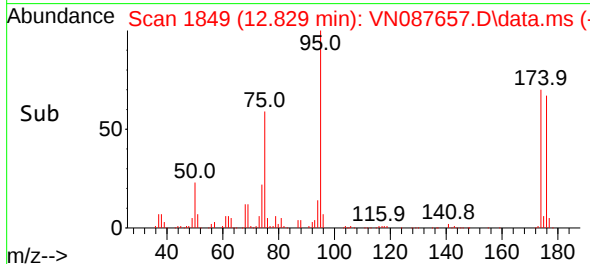
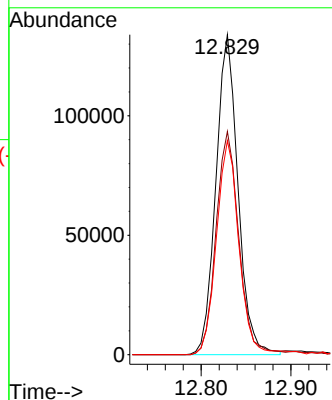
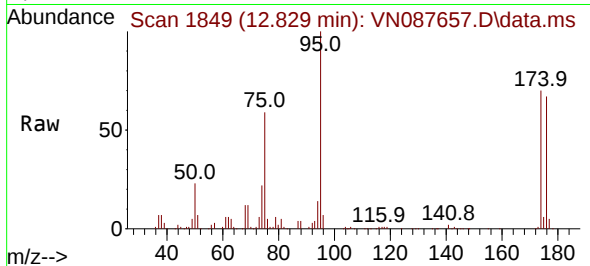




#62
4-Bromofluorobenzene
Concen: 47.125 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN087657.D
Acq: 25 Aug 2025 15:01

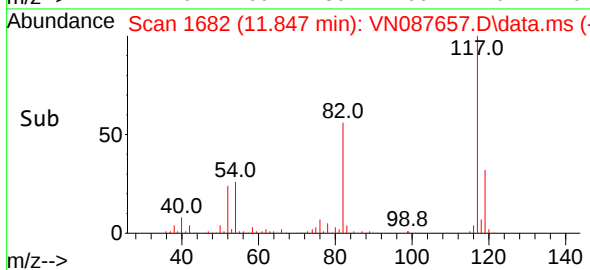
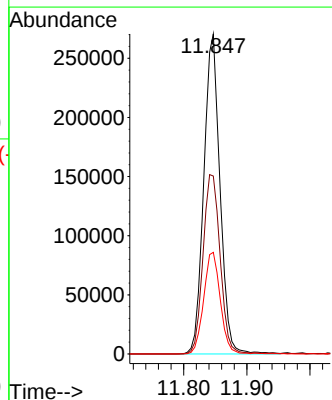
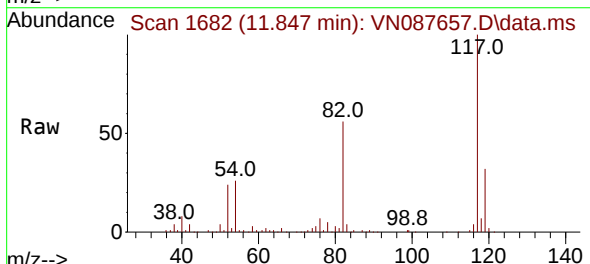
Instrument :
MSVOA_N
ClientSampleId :

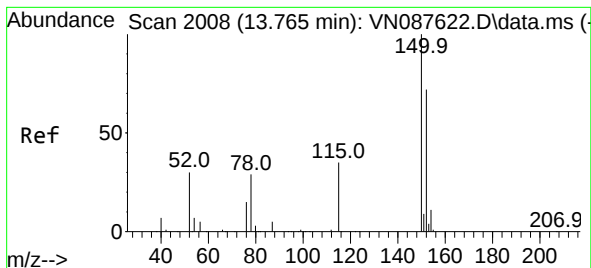
Tgt Ion: 95 Resp: 229279
Ion Ratio Lower Upper
95 100
174 71.9 0.0 138.4
176 68.7 0.0 132.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 1682
Delta R.T. 0.006 min
Lab File: VN087657.D
Acq: 25 Aug 2025 15:01

Tgt Ion: 117 Resp: 481175
Ion Ratio Lower Upper
117 100
82 55.5 47.4 71.2
119 31.7 24.3 36.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.770 min Scan# 2008

Delta R.T. 0.006 min

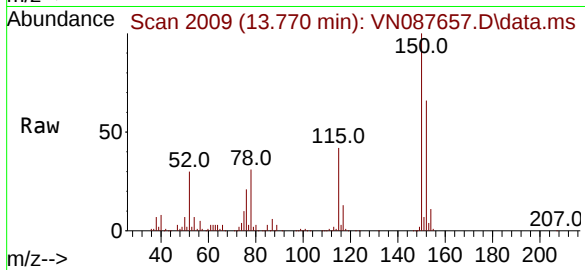
Lab File: VN087657.D

Acq: 25 Aug 2025 15:01

Instrument :

MSVOA_N

ClientSampleId :



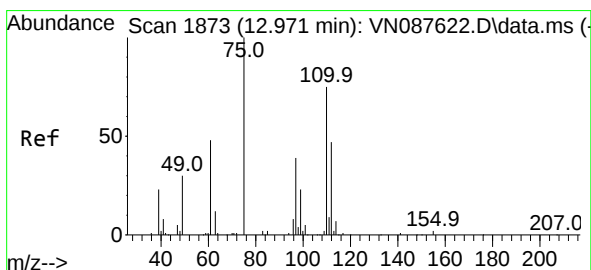
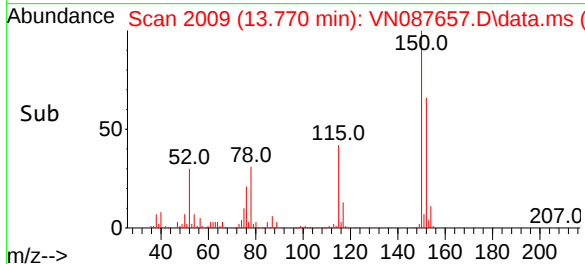
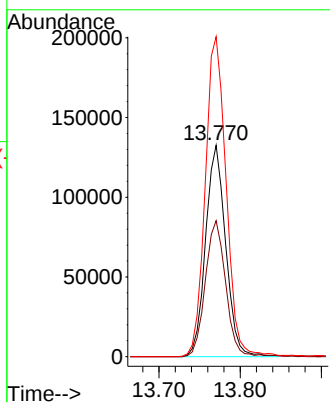
Tgt Ion:152 Resp: 228100

Ion Ratio Lower Upper

152 100

115 65.4 32.3 96.8

150 157.1 0.0 351.0



#76

1,2,3-Trichloropropane

Concen: 25.997 ug/l

RT: 12.829 min Scan# 1849

Delta R.T. -0.141 min

Lab File: VN087657.D

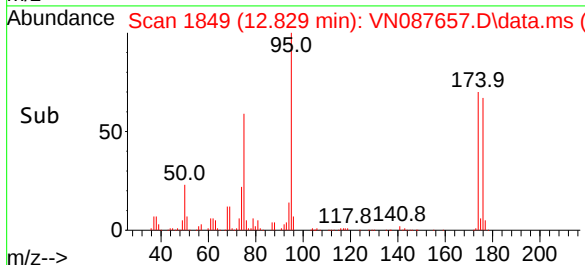
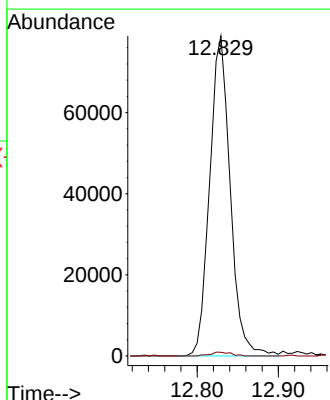
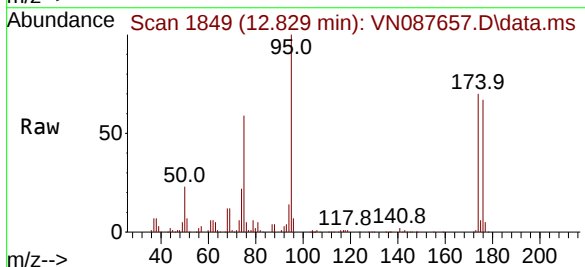
Acq: 25 Aug 2025 15:01

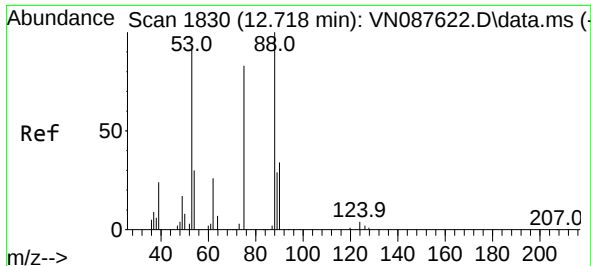
Tgt Ion: 75 Resp: 139061

Ion Ratio Lower Upper

75 100

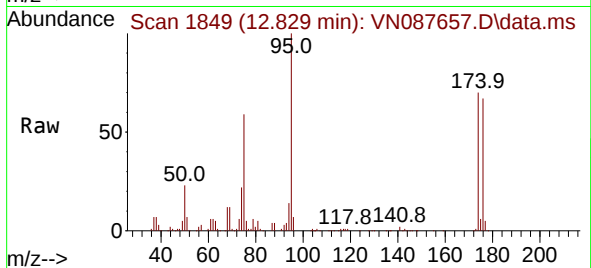
77 1.2 89.1 267.4#



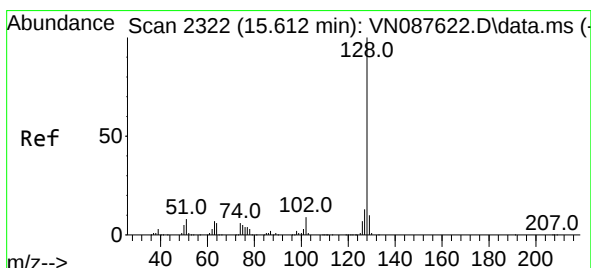
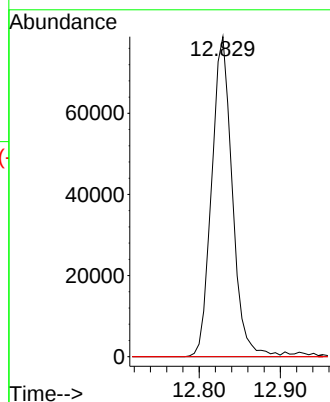
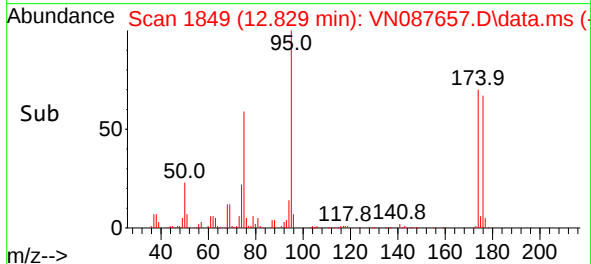


#81
 trans-1,4-Dichloro-2-butene
 Concen: 68.825 ug/l
 RT: 12.829 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN087657.D
 Acq: 25 Aug 2025 15:01

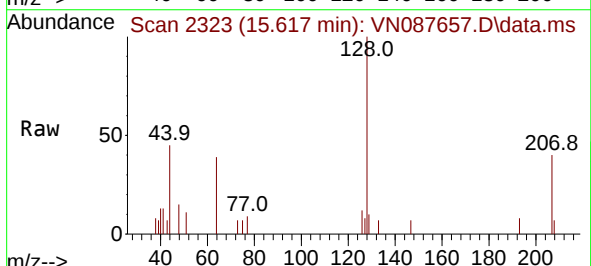
Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 139061
 Ion Ratio Lower Upper
 75 100
 53 0.0 101.8 152.6#
 89 0.0 35.6 53.4#



#95
 Naphthalene
 Concen: 0.302 ug/l
 RT: 15.617 min Scan# 2323
 Delta R.T. 0.006 min
 Lab File: VN087657.D
 Acq: 25 Aug 2025 15:01



Tgt Ion: 128 Resp: 5224
 Ion Ratio Lower Upper
 128 100
 127 12.5 10.6 15.8
 129 10.1 8.6 12.8

