

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070125\
 Data File : VN087257.D
 Acq On : 01 Jul 2025 13:01
 Operator : JC\MD
 Sample : Q2469-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-1

Quant Time: Jul 02 02:02:04 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)

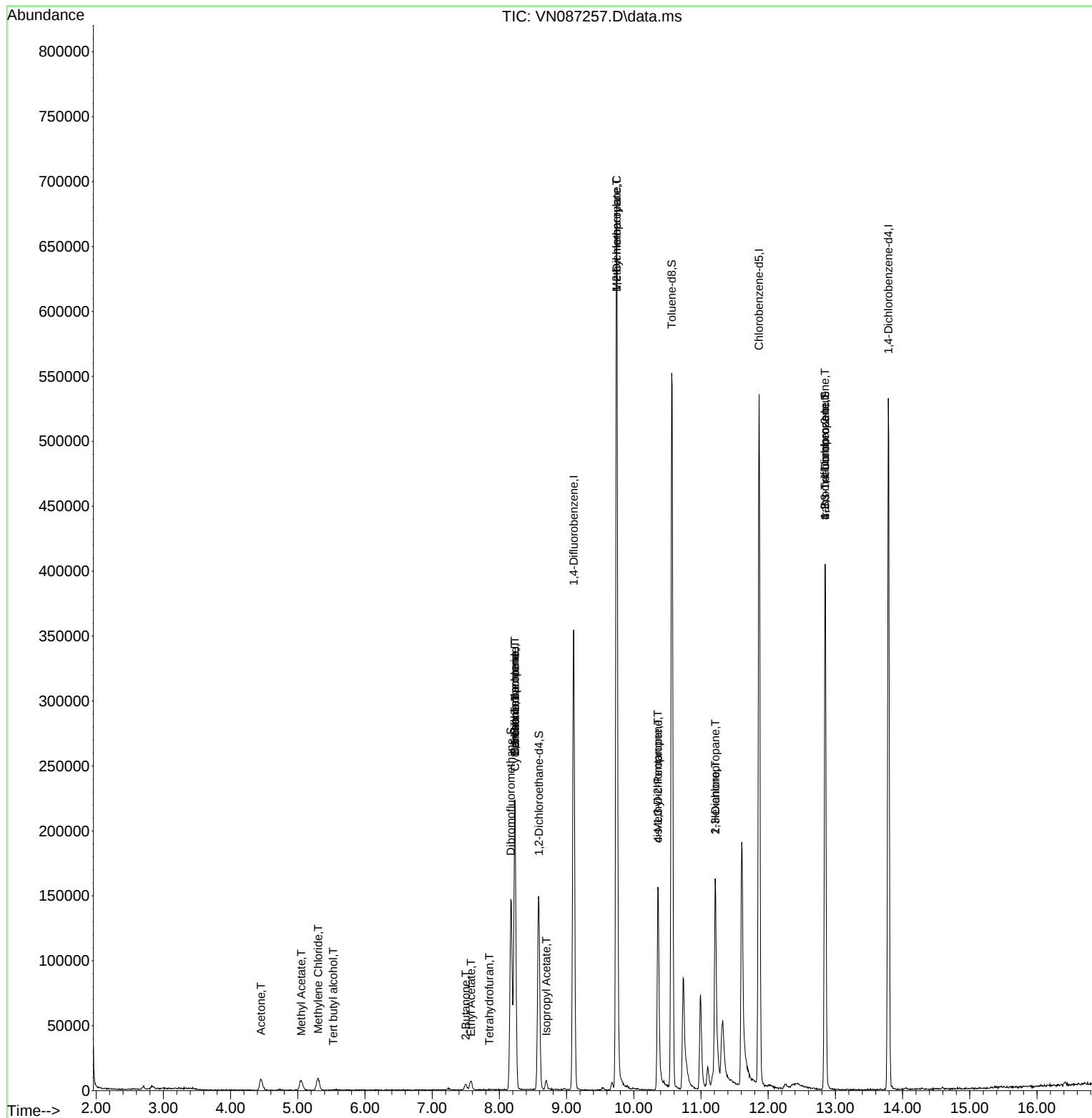
Internal Standards						
1) Pentafluorobenzene	8.229	168	169443	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	328621	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	323380	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	153280	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	125383	58.959	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 117.920%			
35) Dibromofluoromethane	8.171	113	108904	51.756	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.520%			
50) Toluene-d8	10.565	98	408962	49.863	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.720%			
62) 4-Bromofluorobenzene	12.847	95	143379	49.132	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 98.260%			
Target Compounds						Qvalue
11) Tert butyl alcohol	5.530	59	637	1.644	ug/l #	72
16) Acetone	4.453	43	17757	21.840	ug/l	99
18) Methyl Acetate	5.053	43	15855	8.518	ug/l	98
20) Methylene Chloride	5.306	84	8449	4.691	ug/l	95
25) 2-Butanone	7.500	43	7778	6.122	ug/l	94
29) Tetrahydrofuran	7.853	42	205	0.250	ug/l #	44
31) Cyclohexane	8.235	56	3394	1.172	ug/l #	1
36) 1,1-Dichloropropene	8.229	75	12722	4.446	ug/l #	49
37) Ethyl Acetate	7.577	43	10923	3.551	ug/l	98
38) Carbon Tetrachloride	8.229	117	16650	5.135	ug/l #	16
43) Isopropyl Acetate	8.700	43	6890	1.444	ug/l #	90
45) 1,2-Dichloropropane	9.747	63	845	0.437	ug/l #	45
48) Methyl methacrylate	9.747	41	65855	32.755	ug/l #	34
51) 4-Methyl-2-Pentanone	10.359	43	65634	22.487	ug/l #	44
54) cis-1,3-Dichloropropene	10.359	75	37056	10.813	ug/l #	62
57) 1,3-Dichloropropane	11.212	76	2133	0.595	ug/l #	41
59) 2-Hexanone	11.212	43	24541	11.738	ug/l #	58
76) 1,2,3-Trichloropropane	12.847	75	71989	24.692	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	71989	57.998	ug/l #	14

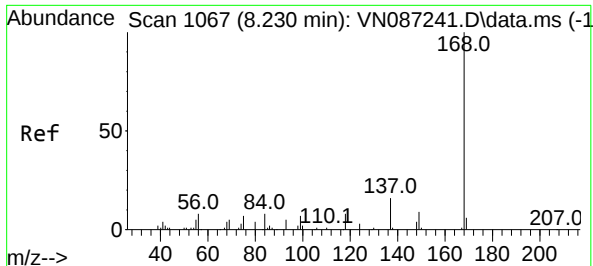
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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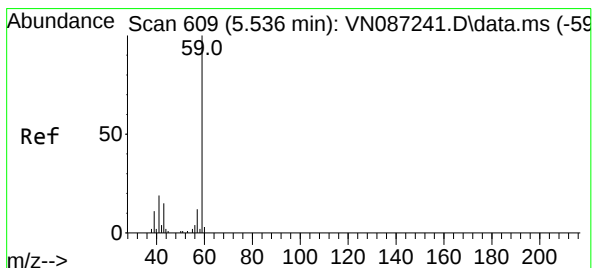
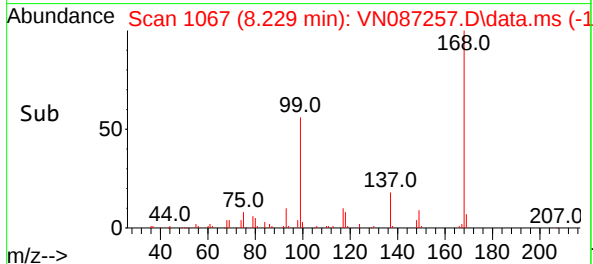
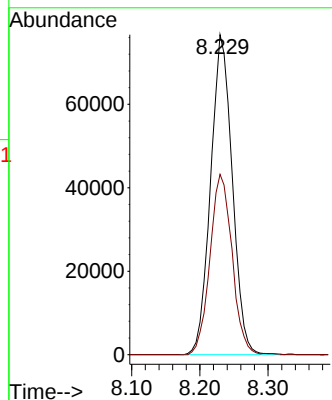
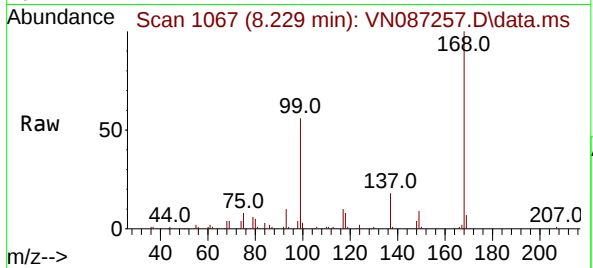




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.001 min
Lab File: VN087257.D
Acq: 01 Jul 2025 13:01

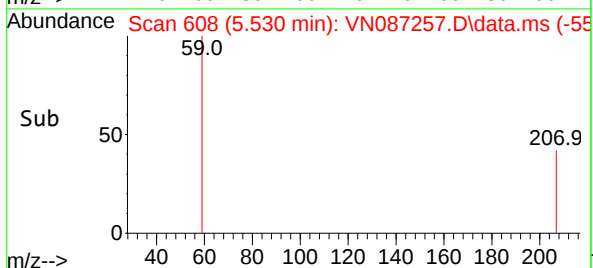
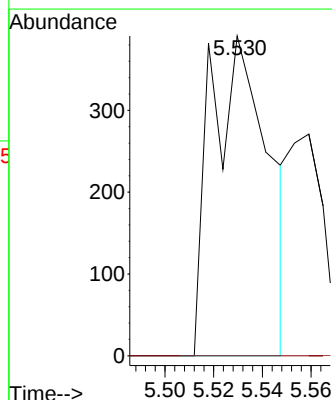
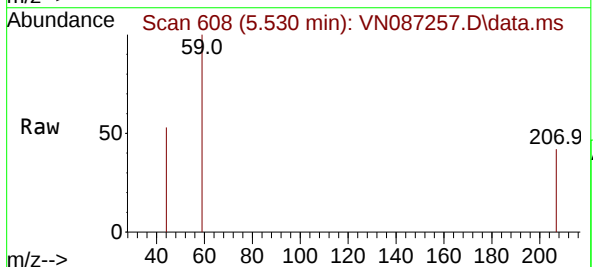
Instrument :
MSVOA_N
ClientSampleId :
WC-1

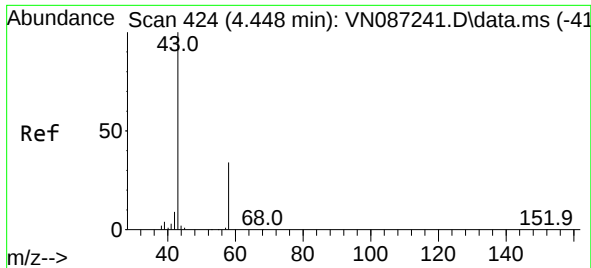
Tgt Ion:168 Resp: 169443
Ion Ratio Lower Upper
168 100
99 56.4 42.6 64.0



#11
Tert butyl alcohol
Concen: 1.644 ug/l
RT: 5.530 min Scan# 608
Delta R.T. -0.006 min
Lab File: VN087257.D
Acq: 01 Jul 2025 13:01

Tgt Ion: 59 Resp: 637
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#





#16

Acetone

Concen: 21.840 ug/l

RT: 4.453 min Scan# 41

Delta R.T. 0.006 min

Lab File: VN087257.D

Acq: 01 Jul 2025 13:01

Instrument :

MSVOA_N

ClientSampleId :

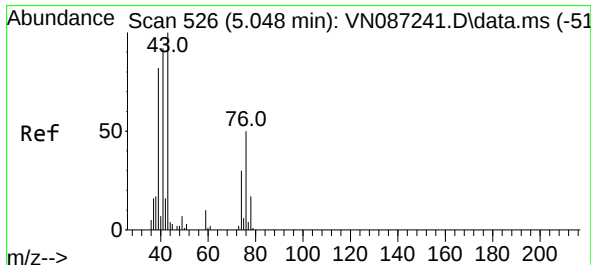
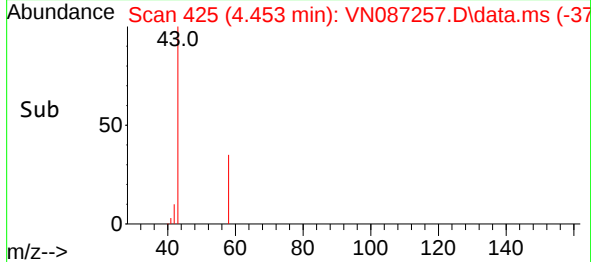
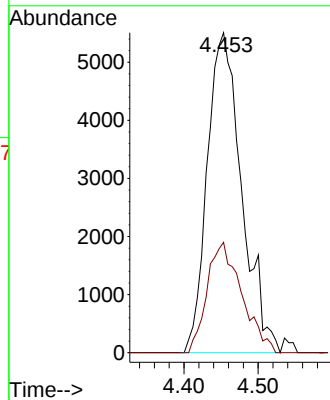
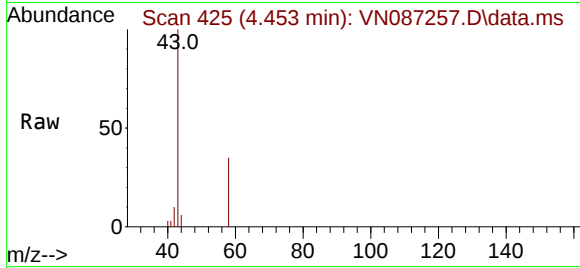
WC-1

Tgt Ion: 43 Resp: 17757

Ion Ratio Lower Upper

43 100

58 34.5 27.1 40.7



#18

Methyl Acetate

Concen: 8.518 ug/l

RT: 5.053 min Scan# 527

Delta R.T. 0.006 min

Lab File: VN087257.D

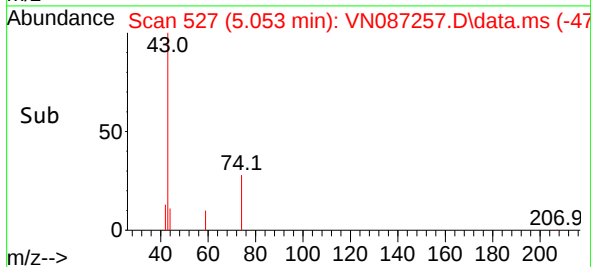
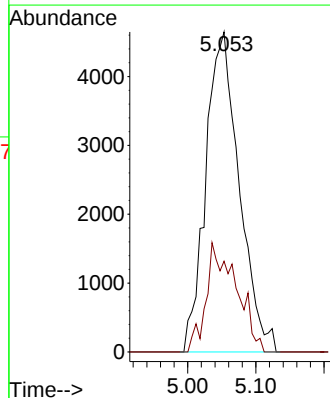
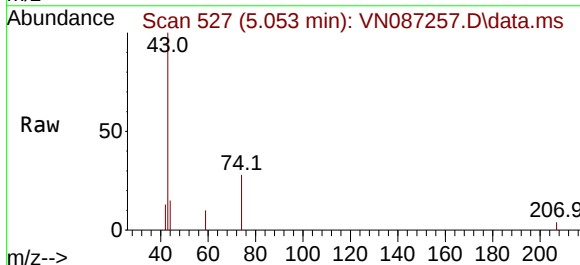
Acq: 01 Jul 2025 13:01

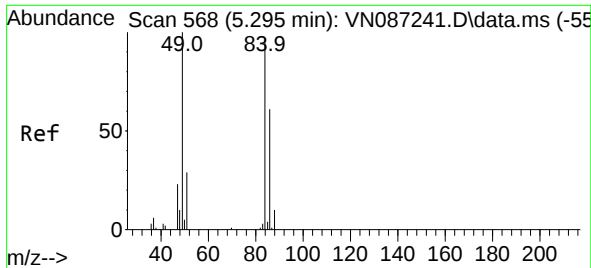
Tgt Ion: 43 Resp: 15855

Ion Ratio Lower Upper

43 100

74 31.0 23.8 35.6

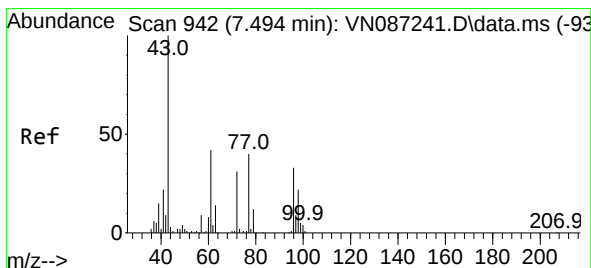
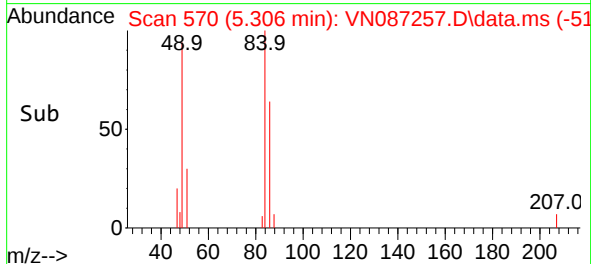
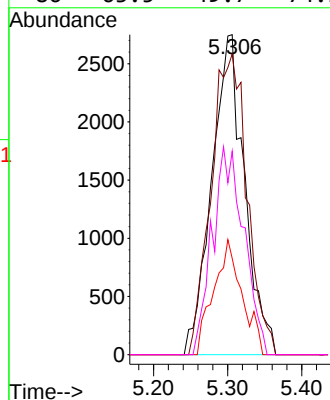
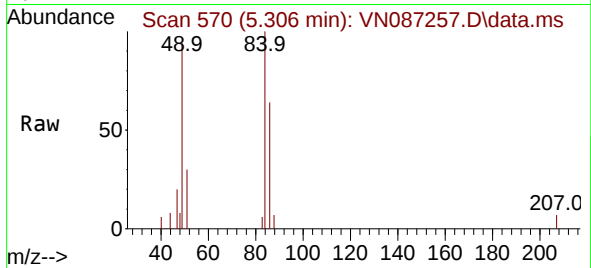




#20
Methylene Chloride
Concen: 4.691 ug/l
RT: 5.306 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN087257.D
Acq: 01 Jul 2025 13:01

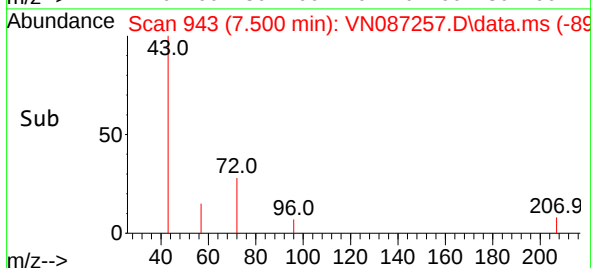
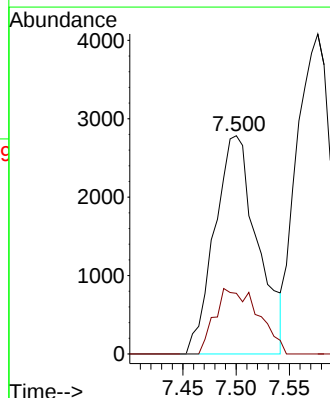
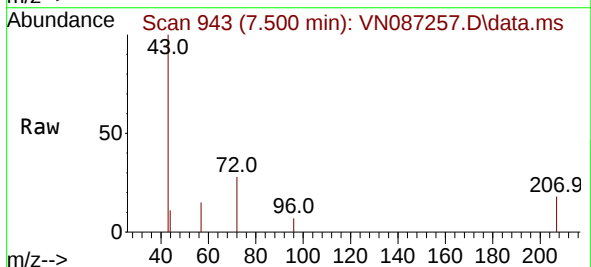
Instrument :
MSVOA_N
ClientSampleId :
WC-1

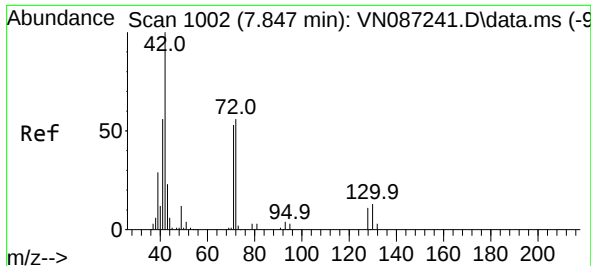
Tgt Ion:	84	Resp:	8449
Ion	Ratio	Lower	Upper
84	100		
49	94.0	82.1	123.1
51	30.1	23.5	35.3
86	63.5	49.7	74.5



#25
2-Butanone
Concen: 6.122 ug/l
RT: 7.500 min Scan# 943
Delta R.T. 0.006 min
Lab File: VN087257.D
Acq: 01 Jul 2025 13:01

Tgt Ion:	43	Resp:	7778
Ion	Ratio	Lower	Upper
43	100		
72	27.8	24.8	37.2





#29

Tetrahydrofuran

Concen: 0.250 ug/l

RT: 7.853 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN087257.D

Acq: 01 Jul 2025 13:01

Instrument :

MSVOA_N

ClientSampleId :

WC-1

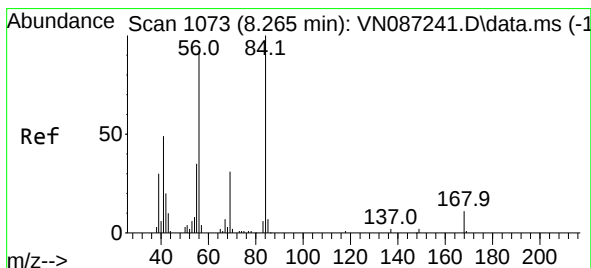
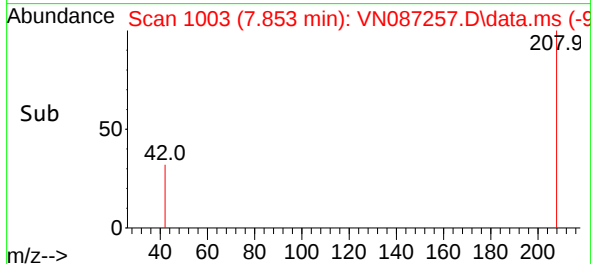
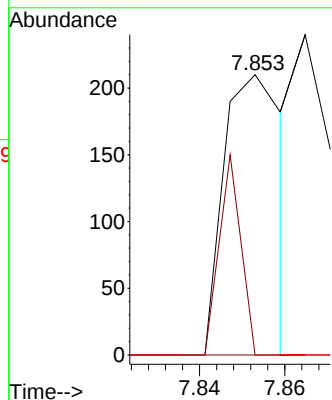
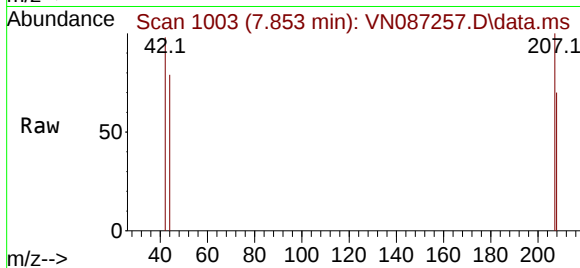
Tgt Ion: 42 Resp: 205

Ion Ratio Lower Upper

42 100

72 25.9 44.2 66.4#

71 0.0 41.1 61.7#



#31

Cyclohexane

Concen: 1.172 ug/l

RT: 8.235 min Scan# 1068

Delta R.T. -0.030 min

Lab File: VN087257.D

Acq: 01 Jul 2025 13:01

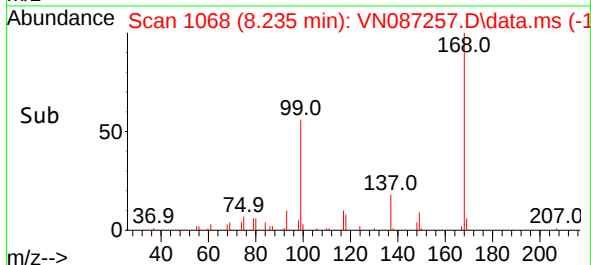
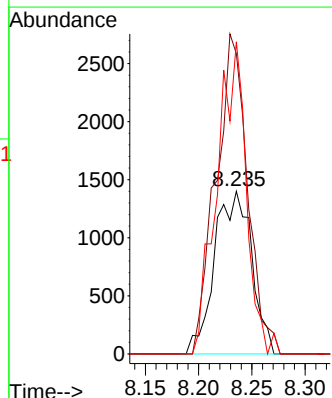
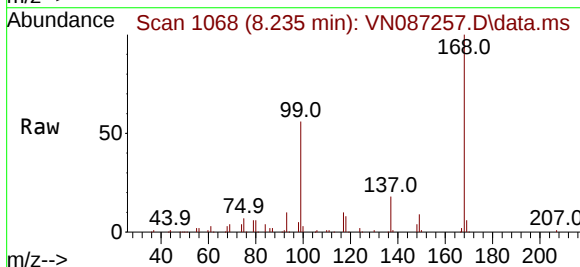
Tgt Ion: 56 Resp: 3394

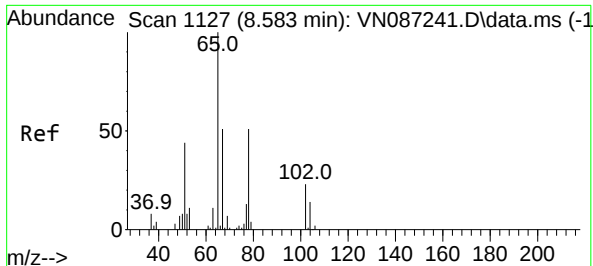
Ion Ratio Lower Upper

56 100

69 184.6 27.0 40.6#

84 191.8 86.2 129.4#





#33

1,2-Dichloroethane-d4

Concen: 58.959 ug/l

RT: 8.588 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN087257.D

Acq: 01 Jul 2025 13:01

Instrument :

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ClientSampleId :

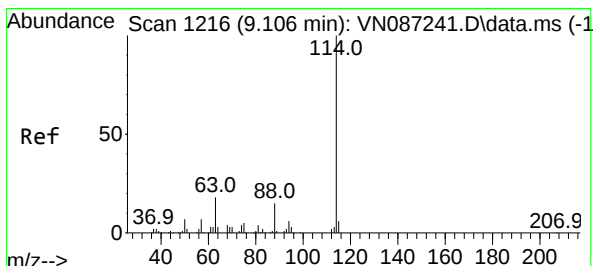
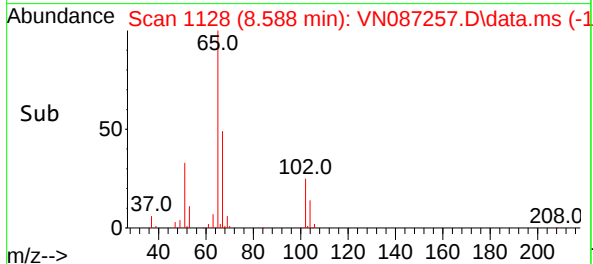
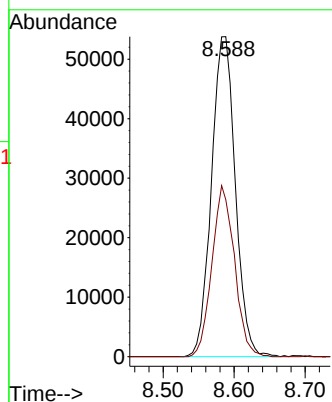
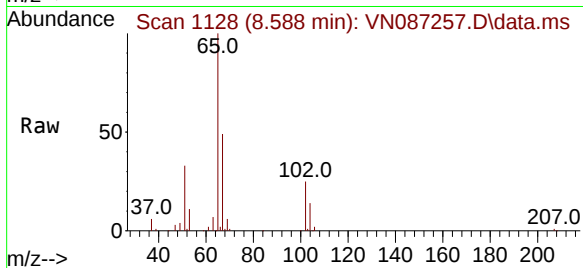
WC-1

Tgt Ion: 65 Resp: 125383

Ion Ratio Lower Upper

65 100

67 50.6 0.0 102.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. -0.000 min

Lab File: VN087257.D

Acq: 01 Jul 2025 13:01

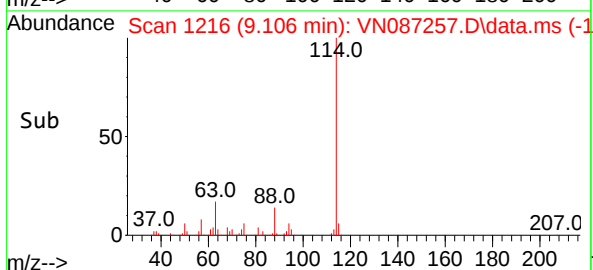
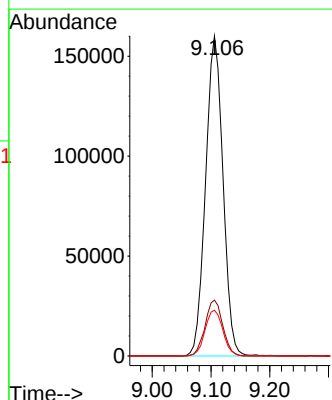
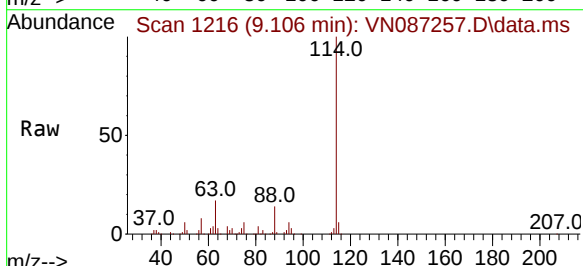
Tgt Ion: 114 Resp: 328621

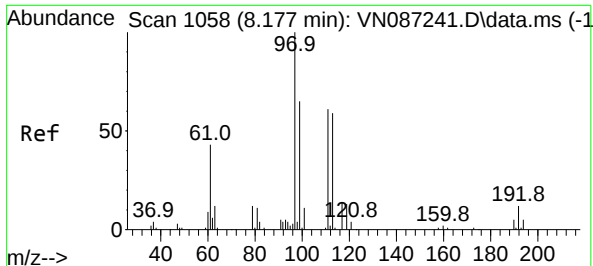
Ion Ratio Lower Upper

114 100

63 17.4 0.0 36.6

88 14.3 0.0 29.6





#35

Dibromofluoromethane

Concen: 51.756 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.006 min

Lab File: VN087257.D

Acq: 01 Jul 2025 13:01

Instrument :

MSVOA_N

ClientSampleId :

WC-1

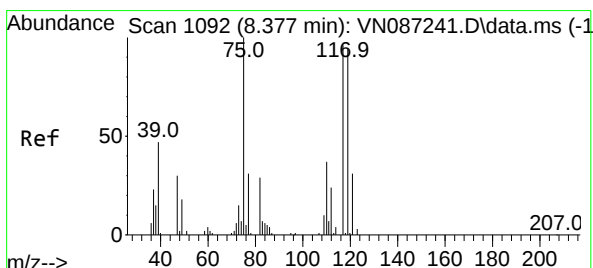
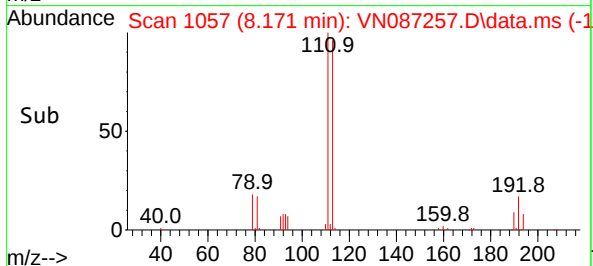
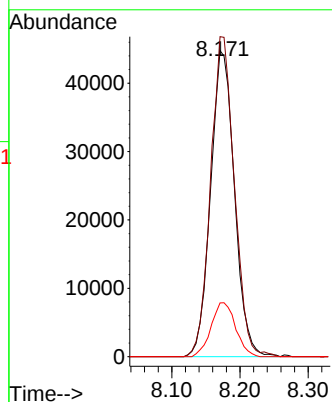
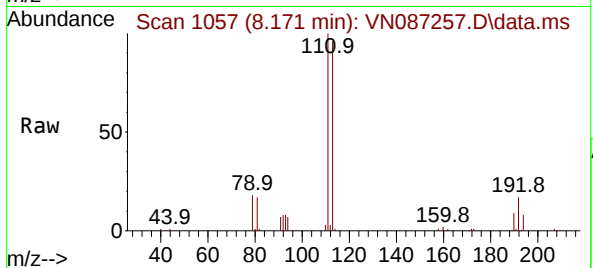
Tgt Ion:113 Resp: 108904

Ion Ratio Lower Upper

113 100

111 104.0 81.4 122.2

192 18.2 15.1 22.7



#36

1,1-Dichloropropene

Concen: 4.446 ug/l

RT: 8.229 min Scan# 1067

Delta R.T. -0.147 min

Lab File: VN087257.D

Acq: 01 Jul 2025 13:01

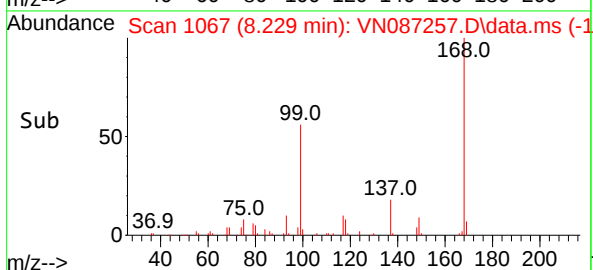
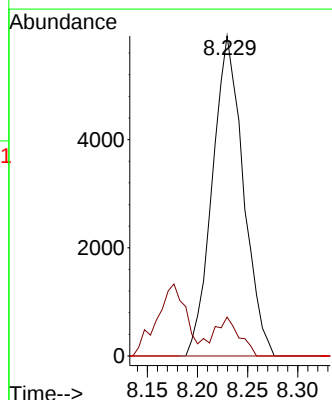
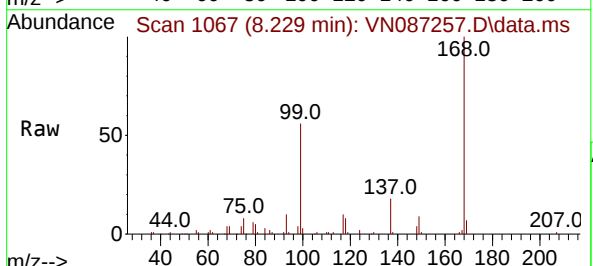
Tgt Ion: 75 Resp: 12722

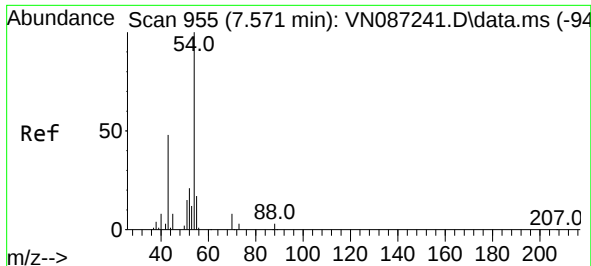
Ion Ratio Lower Upper

75 100

110 8.8 18.7 56.1#

77 0.0 24.5 36.7#





#37

Ethyl Acetate

Concen: 3.551 ug/l

RT: 7.577 min Scan# 91

Delta R.T. 0.006 min

Lab File: VN087257.D

Acq: 01 Jul 2025 13:01

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ClientSampleId :

WC-1

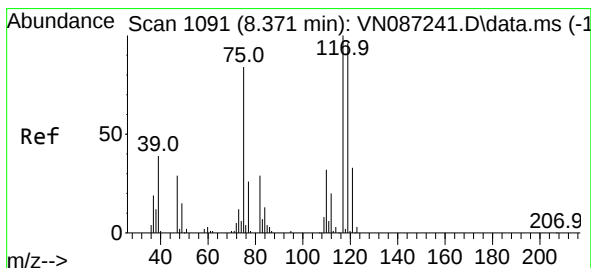
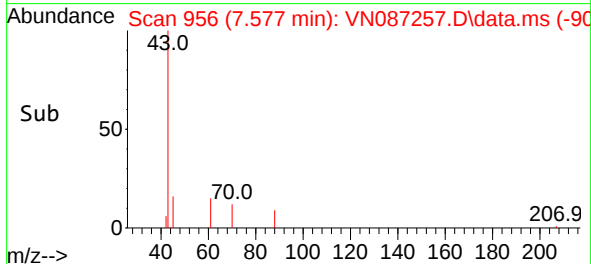
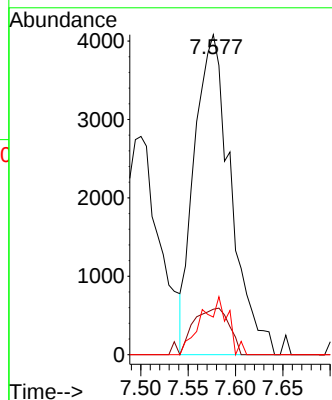
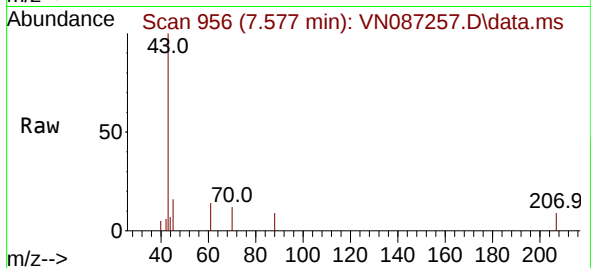
Tgt Ion: 43 Resp: 10923

Ion Ratio Lower Upper

43 100

61 14.7 11.3 16.9

70 13.4 9.9 14.9



#38

Carbon Tetrachloride

Concen: 5.135 ug/l

RT: 8.229 min Scan# 1067

Delta R.T. -0.141 min

Lab File: VN087257.D

Acq: 01 Jul 2025 13:01

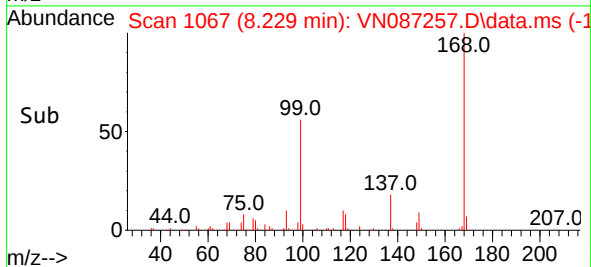
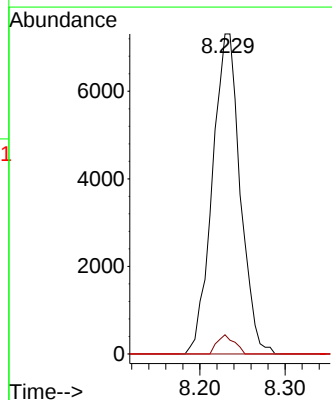
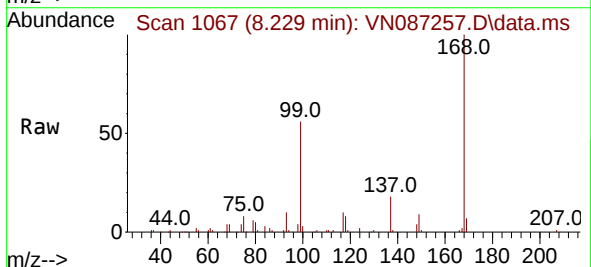
Tgt Ion: 117 Resp: 16650

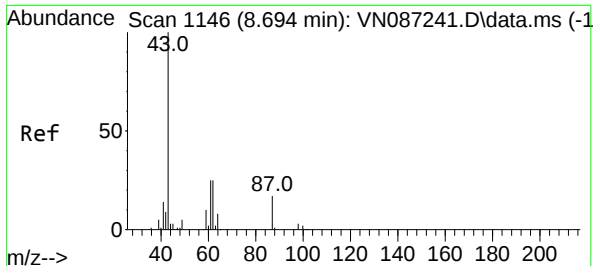
Ion Ratio Lower Upper

117 100

119 6.0 77.2 115.8#

121 0.0 26.6 39.8#





#43

Isopropyl Acetate

Concen: 1.444 ug/l

RT: 8.700 min Scan# 1146

Delta R.T. 0.006 min

Lab File: VN087257.D

Acq: 01 Jul 2025 13:01

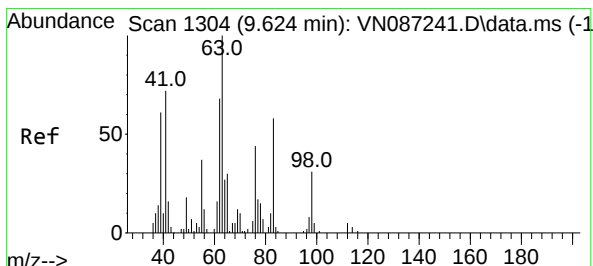
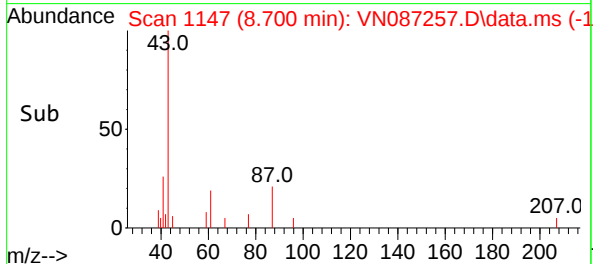
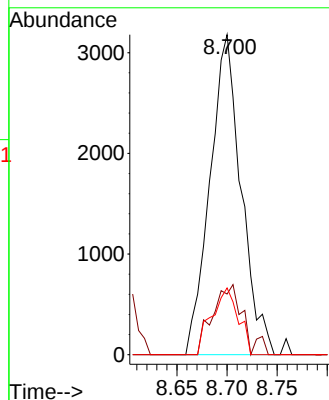
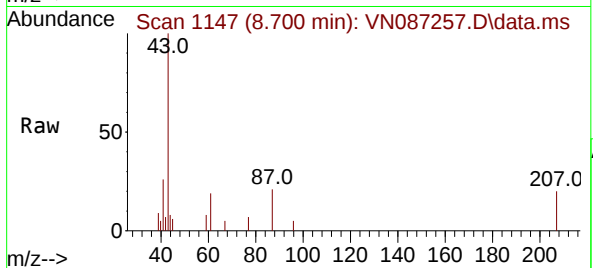
Instrument :

MSVOA_N

ClientSampleId :

WC-1

Tgt Ion: 43	Resp: 6890
Ion Ratio	Lower Upper
43	100
61	21.4 22.4 33.6#
87	17.8 12.8 19.2



#45

1,2-Dichloropropane

Concen: 0.437 ug/l

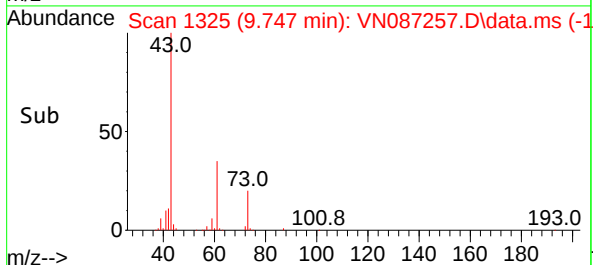
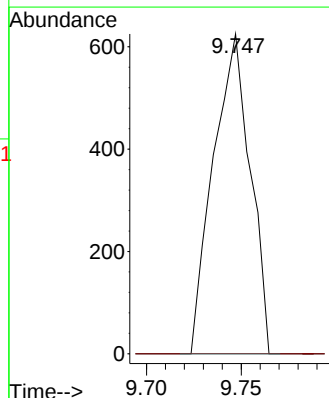
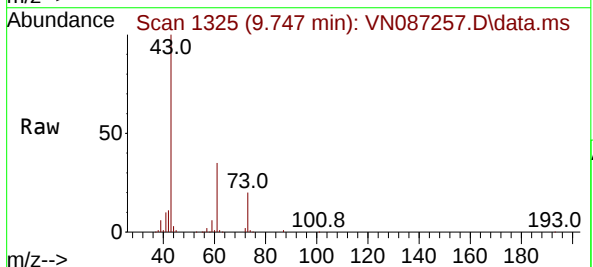
RT: 9.747 min Scan# 1325

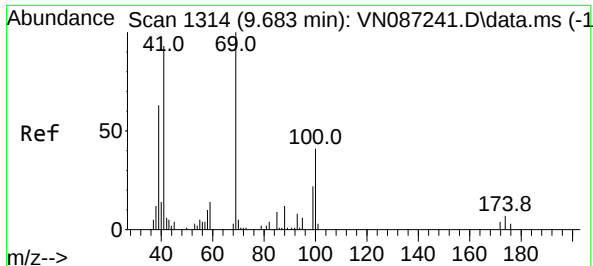
Delta R.T. 0.123 min

Lab File: VN087257.D

Acq: 01 Jul 2025 13:01

Tgt Ion: 63	Resp: 845
Ion Ratio	Lower Upper
63	100
65	0.0 23.8 35.8#





#48

Methyl methacrylate

Concen: 32.755 ug/l

RT: 9.747 min Scan# 1

Delta R.T. 0.065 min

Lab File: VN087257.D

Acq: 01 Jul 2025 13:01

Instrument :

MSVOA_N

ClientSampleId :

WC-1

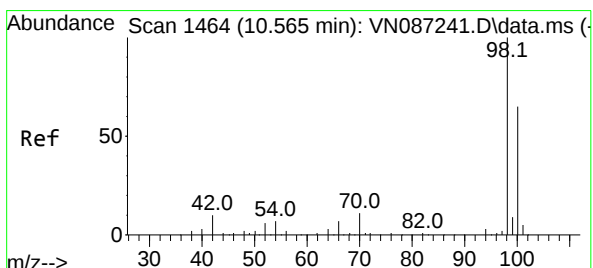
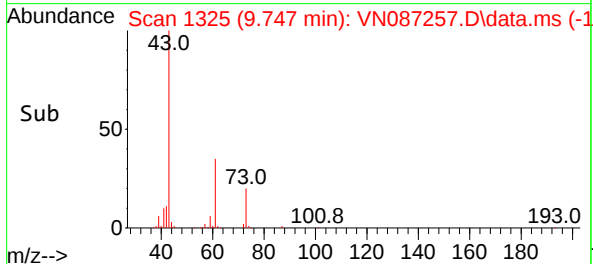
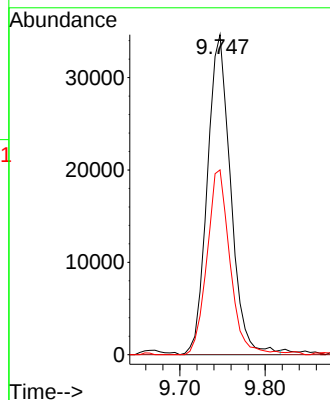
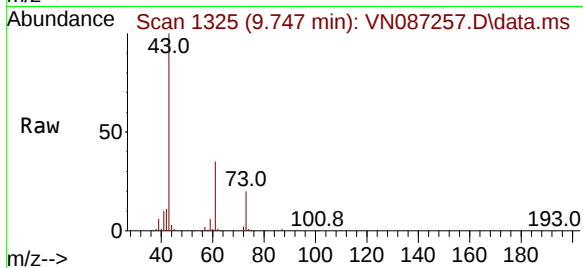
Tgt Ion: 41 Resp: 65855

Ion Ratio Lower Upper

41 100

69 0.0 81.4 122.2#

39 57.2 56.9 85.3



#50

Toluene-d8

Concen: 49.863 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN087257.D

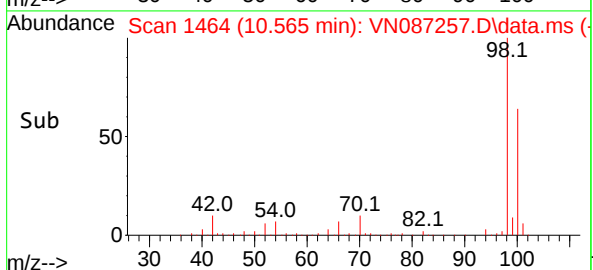
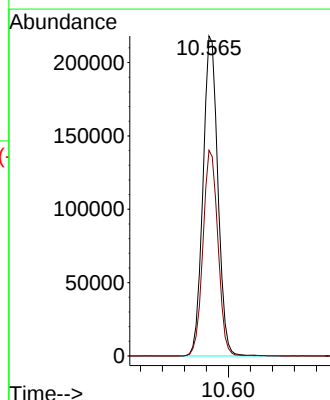
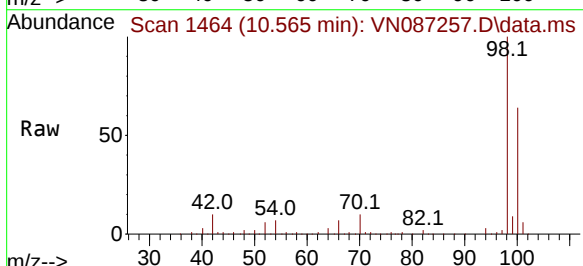
Acq: 01 Jul 2025 13:01

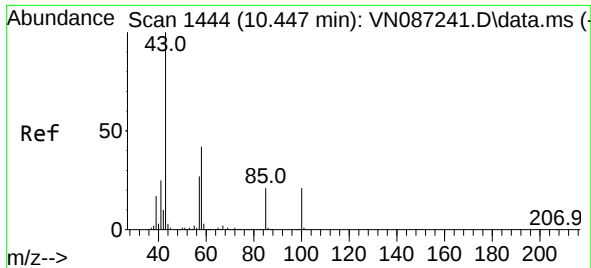
Tgt Ion: 98 Resp: 408962

Ion Ratio Lower Upper

98 100

100 64.8 52.1 78.1

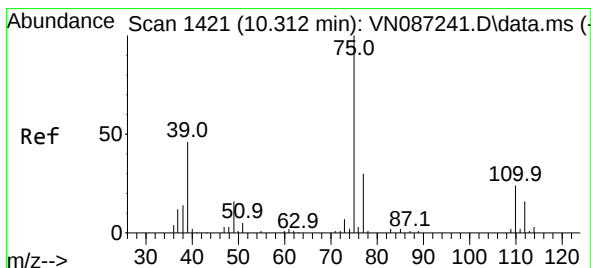
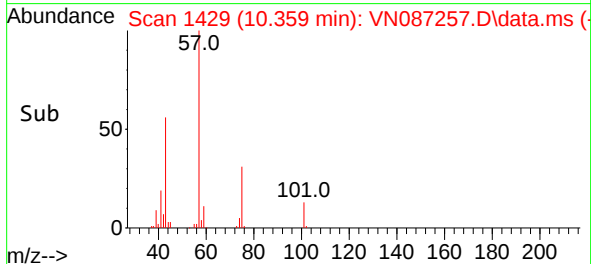
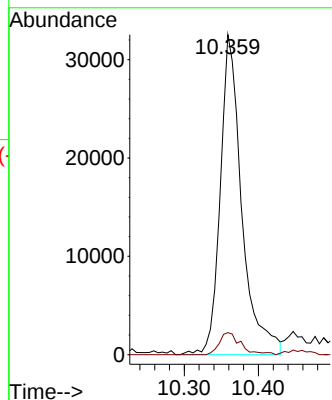
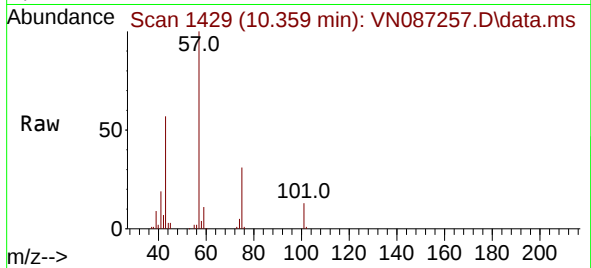




#51
4-Methyl-2-Pentanone
Concen: 22.487 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. -0.088 min
Lab File: VN087257.D
Acq: 01 Jul 2025 13:01

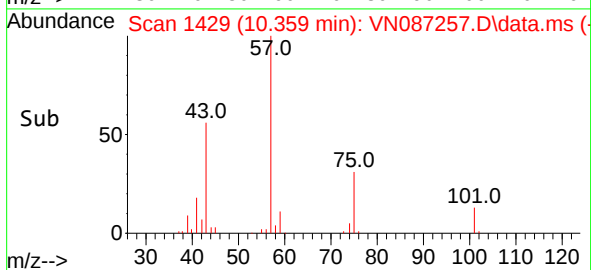
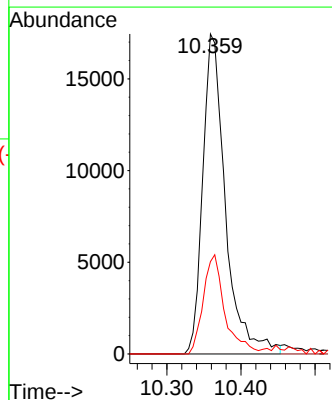
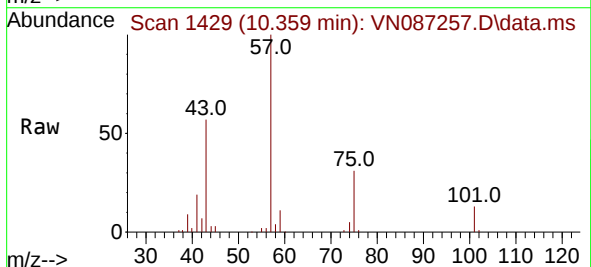
Instrument :
MSVOA_N
ClientSampleId :
WC-1

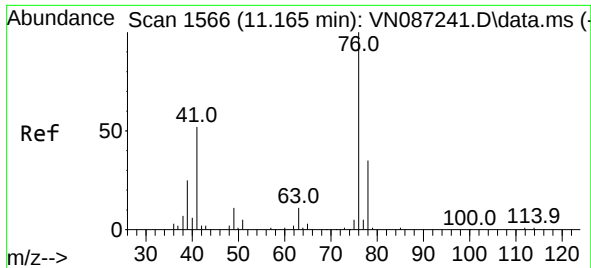
Tgt Ion: 43 Resp: 65634
Ion Ratio Lower Upper
43 100
58 6.8 34.2 51.2#



#54
cis-1,3-Dichloropropene
Concen: 10.813 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.047 min
Lab File: VN087257.D
Acq: 01 Jul 2025 13:01

Tgt Ion: 75 Resp: 37056
Ion Ratio Lower Upper
75 100
77 0.0 24.1 36.1#
39 28.9 36.7 55.1#





#57

1,3-Dichloropropane

Concen: 0.595 ug/l

RT: 11.212 min Scan# 1574

Delta R.T. 0.047 min

Lab File: VN087257.D

Acq: 01 Jul 2025 13:01

Instrument :

MSVOA_N

ClientSampleId :

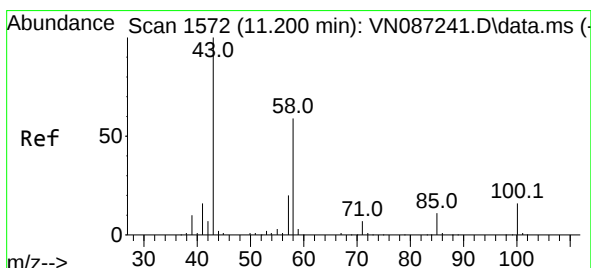
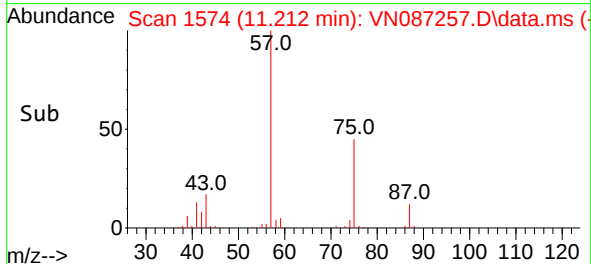
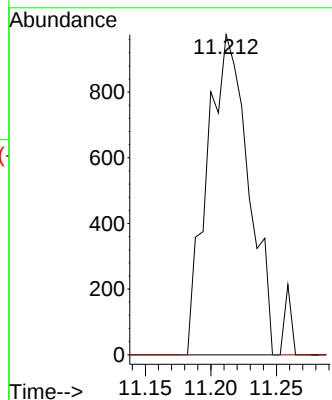
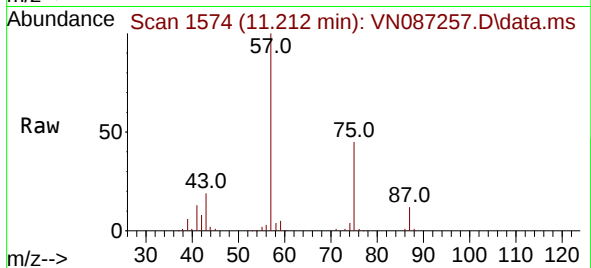
WC-1

Tgt Ion: 76 Resp: 2133

Ion Ratio Lower Upper

76 100

78 0.0 27.1 40.7#



#59

2-Hexanone

Concen: 11.738 ug/l

RT: 11.212 min Scan# 1574

Delta R.T. 0.012 min

Lab File: VN087257.D

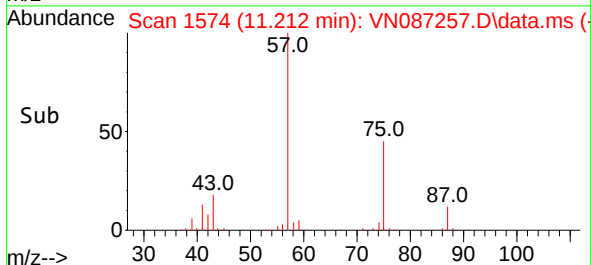
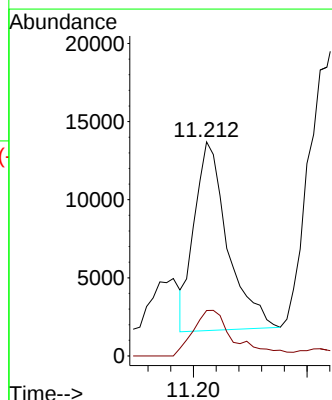
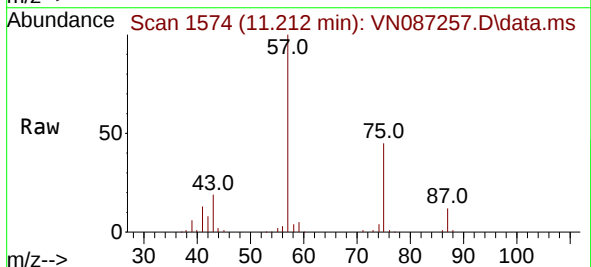
Acq: 01 Jul 2025 13:01

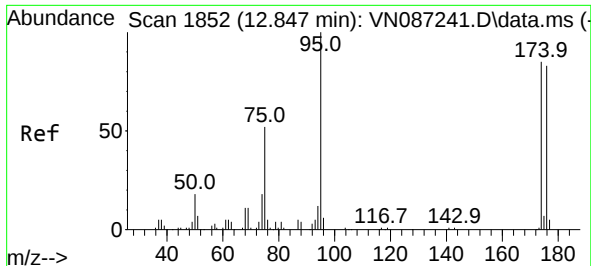
Tgt Ion: 43 Resp: 24541

Ion Ratio Lower Upper

43 100

58 29.8 31.1 93.3#

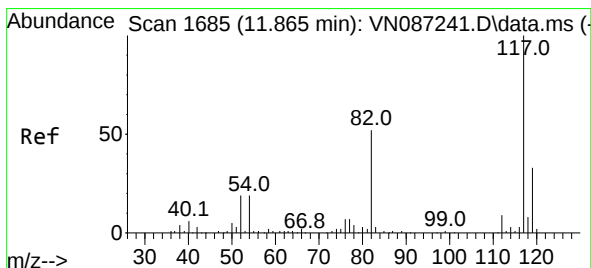
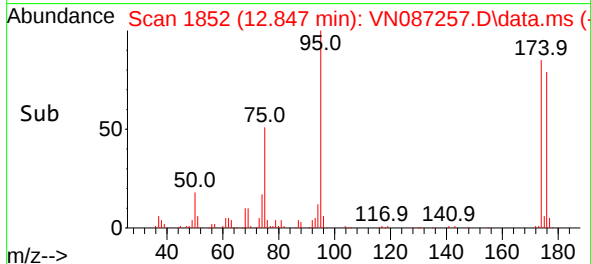
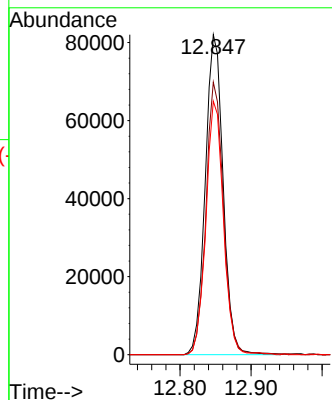
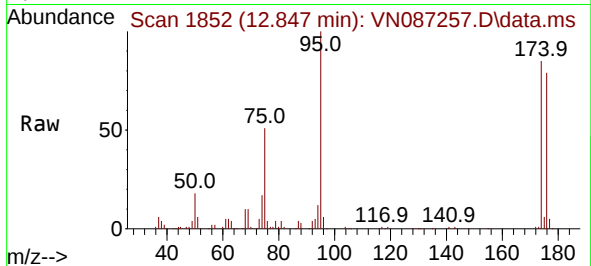




#62
4-Bromofluorobenzene
Concen: 49.132 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN087257.D
Acq: 01 Jul 2025 13:01

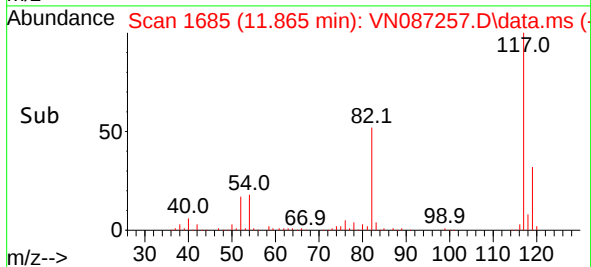
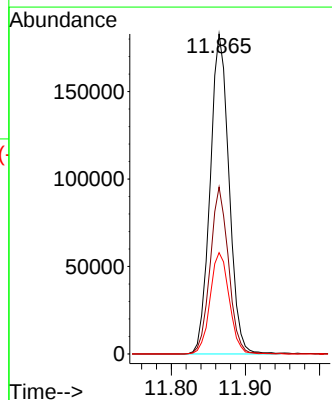
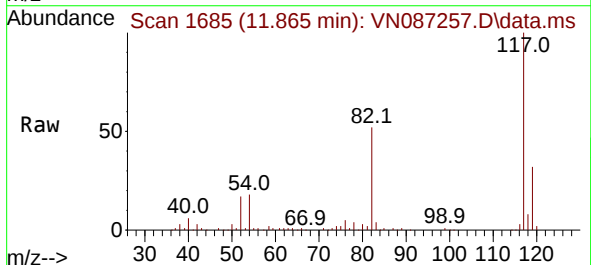
Instrument :
MSVOA_N
ClientSampleId :
WC-1

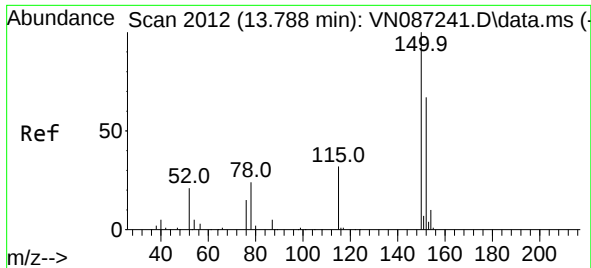
Tgt Ion: 95 Resp: 143379
Ion Ratio Lower Upper
95 100
174 83.6 0.0 169.6
176 77.9 0.0 161.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN087257.D
Acq: 01 Jul 2025 13:01

Tgt Ion: 117 Resp: 323380
Ion Ratio Lower Upper
117 100
82 52.1 41.9 62.9
119 31.7 26.2 39.4

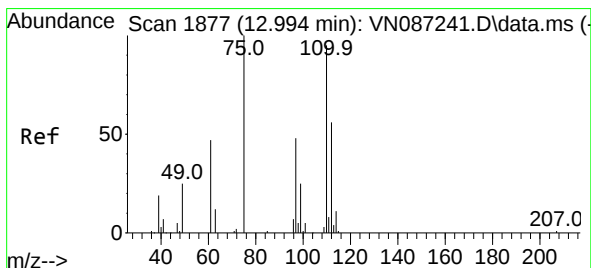
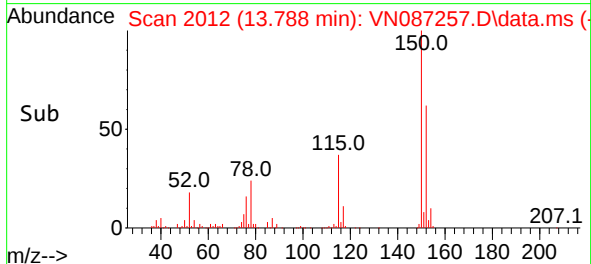
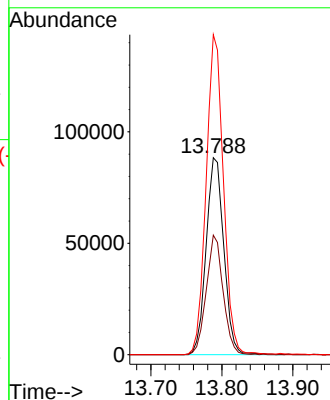
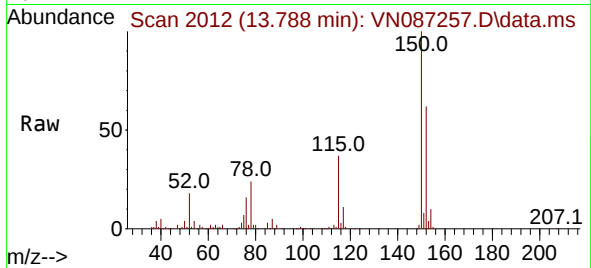




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 2012
 Delta R.T. -0.000 min
 Lab File: VN087257.D
 Acq: 01 Jul 2025 13:01

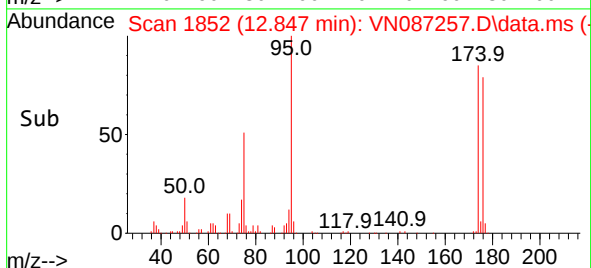
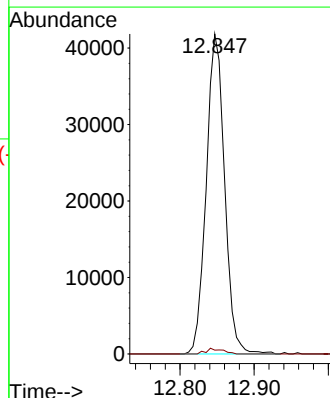
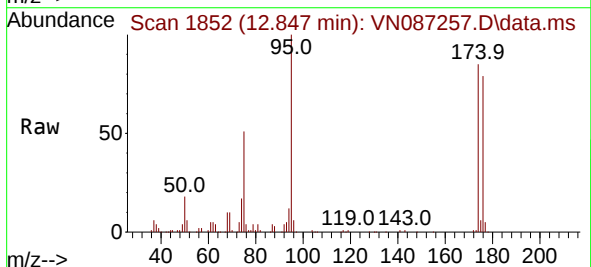
Instrument :
 MSVOA_N
 ClientSampleId :
 WC-1

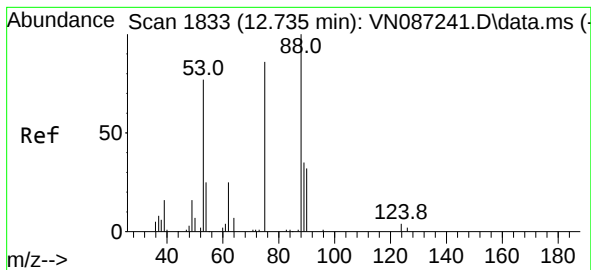
Tgt Ion:152 Resp: 153280
 Ion Ratio Lower Upper
 152 100
 115 57.8 28.3 84.9
 150 158.8 0.0 344.6



#76
 1,2,3-Trichloropropane
 Concen: 24.692 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.147 min
 Lab File: VN087257.D
 Acq: 01 Jul 2025 13:01

Tgt Ion: 75 Resp: 71989
 Ion Ratio Lower Upper
 75 100
 77 1.6 82.0 245.8#





#81
trans-1,4-Dichloro-2-butene
Concen: 57.998 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN087257.D
Acq: 01 Jul 2025 13:01

Instrument :
MSVOA_N
ClientSampleId :
WC-1

Tgt Ion: 75 Resp: 71989
Ion Ratio Lower Upper
75 100
53 0.0 70.6 105.8#
89 0.0 36.1 54.1#

