

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052025\
 Data File : VN086714.D
 Acq On : 20 May 2025 13:39
 Operator : JC\MD
 Sample : Q2071-12
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 L1-WC-9

Quant Time: May 21 01:45:07 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
 Quant Title : SW846 8260
 QLast Update : Sat May 17 00:46:13 2025
 Response via : Initial Calibration

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

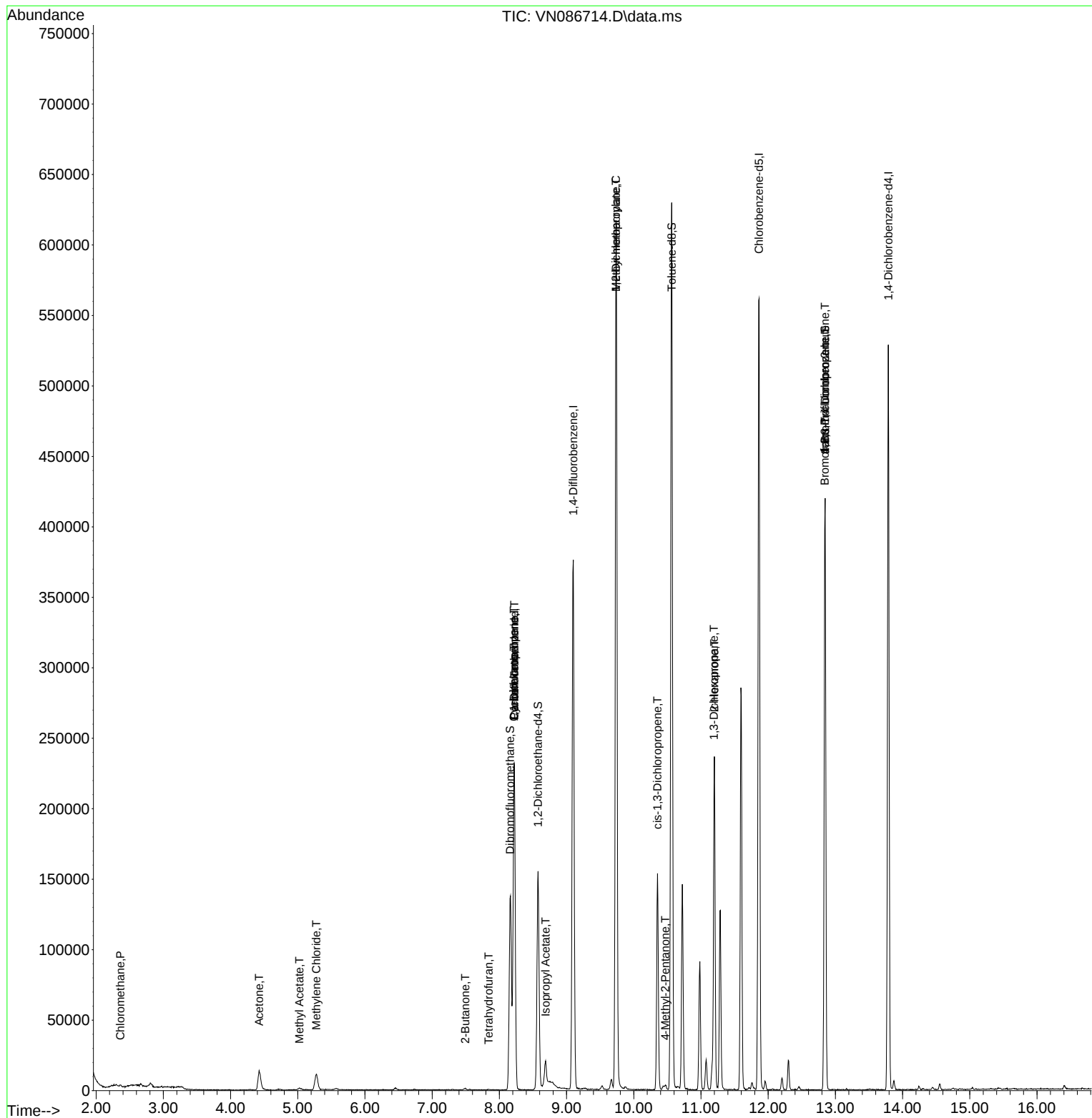
Internal Standards						
1) Pentafluorobenzene	8.224	168	172547	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	338507	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	335679	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	144397	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	125197	52.509	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 105.020%	
35) Dibromofluoromethane	8.159	113	105776	52.469	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 104.940%	
50) Toluene-d8	10.565	98	448726	53.713	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 107.420%	
62) 4-Bromofluorobenzene	12.847	95	160321	54.349	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 108.700%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	788	0.280	ug/l #	42
16) Acetone	4.424	43	26732	29.973	ug/l	97
18) Methyl Acetate	5.024	43	2989	1.197	ug/l #	78
20) Methylene Chloride	5.277	84	9220	3.917	ug/l	92
25) 2-Butanone	7.494	43	1880	1.364	ug/l	89
29) Tetrahydrofuran	7.841	42	487	0.541	ug/l #	30
31) Cyclohexane	8.218	56	3308	0.924	ug/l #	1
36) 1,1-Dichloropropene	8.218	75	13903	4.675	ug/l #	48
38) Carbon Tetrachloride	8.224	117	17192	5.868	ug/l #	15
43) Isopropyl Acetate	8.688	43	26305	4.368	ug/l #	82
45) 1,2-Dichloropropane	9.735	63	813	0.353	ug/l #	42
48) Methyl methacrylate	9.735	41	54542	23.375	ug/l #	37
51) 4-Methyl-2-Pentanone	10.471	43	5565	1.833	ug/l #	33
54) cis-1,3-Dichloropropene	10.353	75	28632	7.732	ug/l #	62
57) 1,3-Dichloropropane	11.194	76	2628	0.678	ug/l #	42
59) 2-Hexanone	11.200	43	45577	20.553	ug/l #	41
71) Bromoform	12.841	173	695	0.411	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	78006	23.887	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	78006	60.282	ug/l #	15

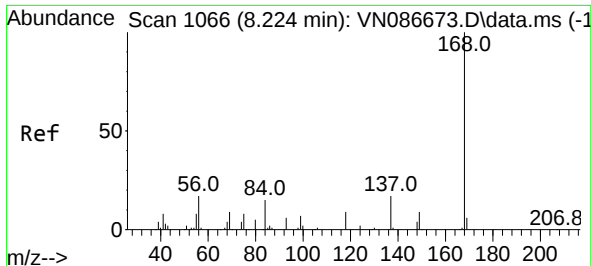
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat May 17 00:46:13 2025
Response via : Initial Calibration

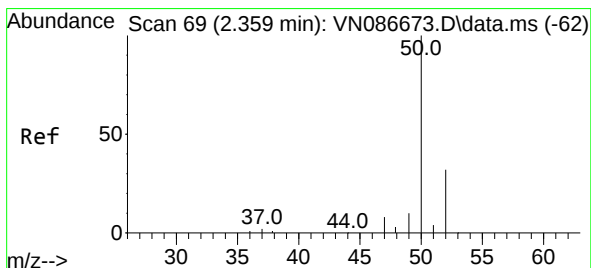
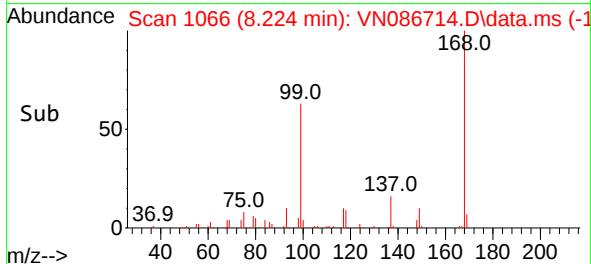
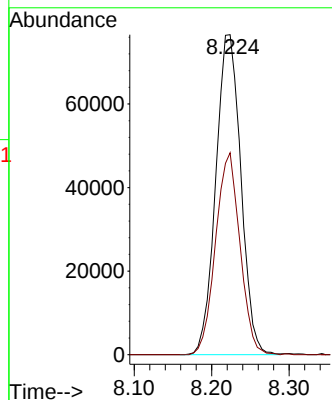
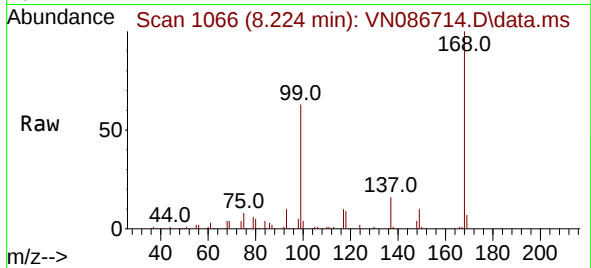




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN086714.D
Acq: 20 May 2025 13:39

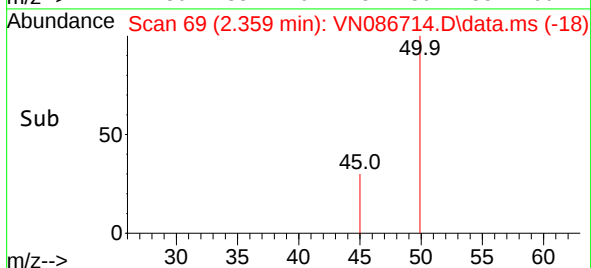
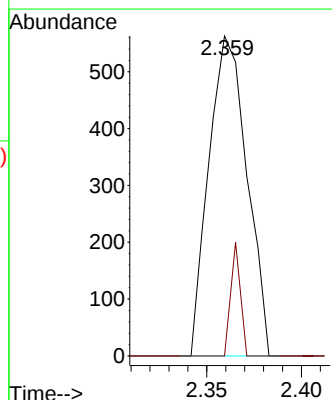
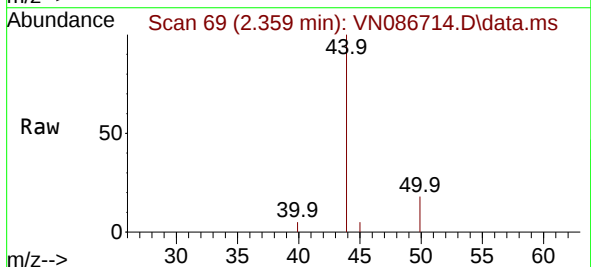
Instrument :
MSVOA_N
ClientSampleId :
L1-WC-9

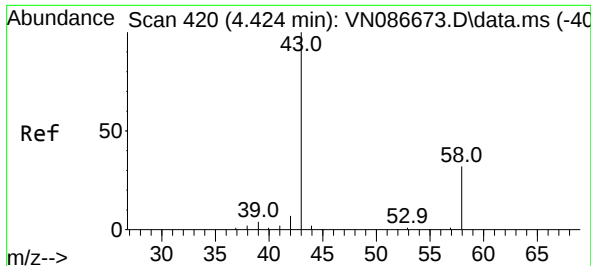
Tgt Ion:168 Resp: 172547
Ion Ratio Lower Upper
168 100
99 63.1 47.0 70.4



#3
Chloromethane
Concen: 0.280 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN086714.D
Acq: 20 May 2025 13:39

Tgt Ion: 50 Resp: 788
Ion Ratio Lower Upper
50 100
52 0.0 25.9 38.9#

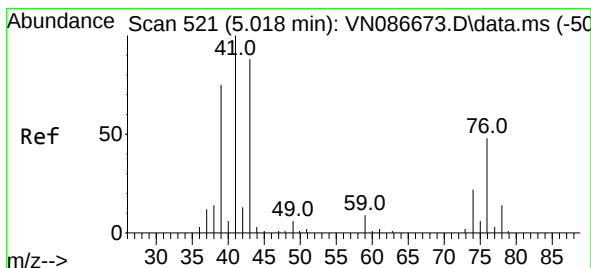
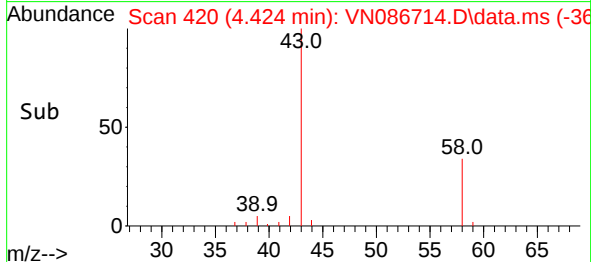
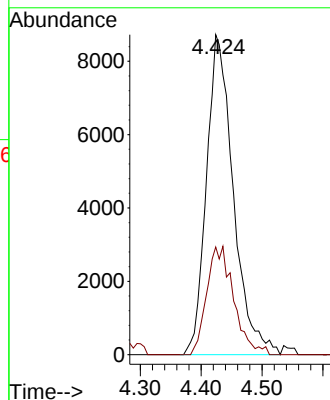
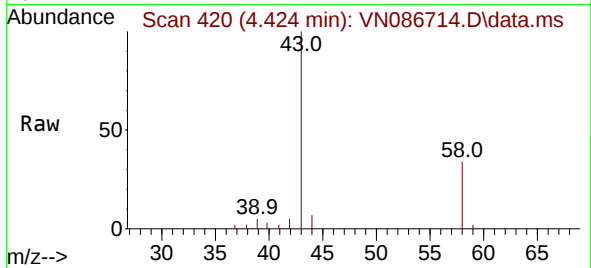




#16
Acetone
Concen: 29.973 ug/l
RT: 4.424 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN086714.D
Acq: 20 May 2025 13:39

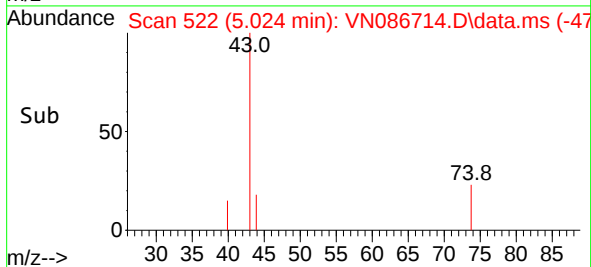
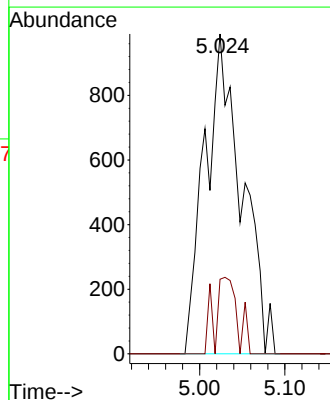
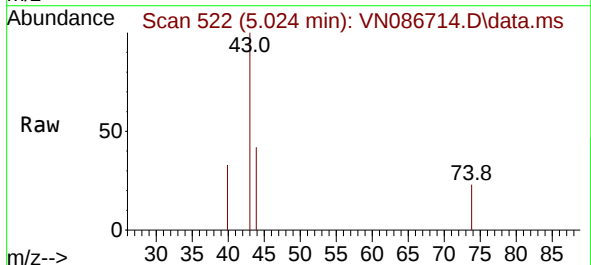
Instrument :
MSVOA_N
ClientSampleId :
L1-WC-9

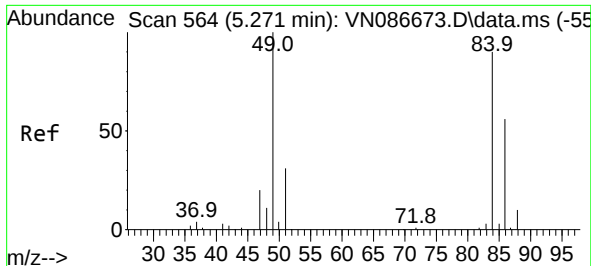
Tgt Ion: 43 Resp: 26732
Ion Ratio Lower Upper
43 100
58 33.6 25.8 38.6



#18
Methyl Acetate
Concen: 1.197 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN086714.D
Acq: 20 May 2025 13:39

Tgt Ion: 43 Resp: 2989
Ion Ratio Lower Upper
43 100
74 14.7 20.5 30.7#

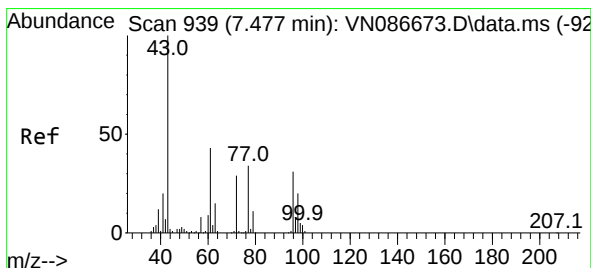
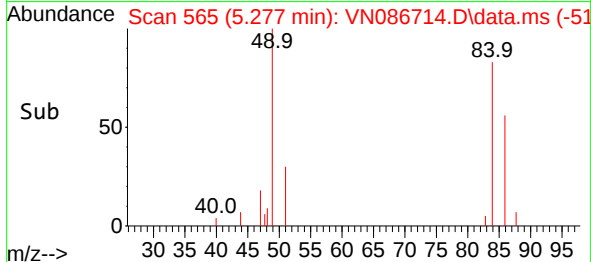
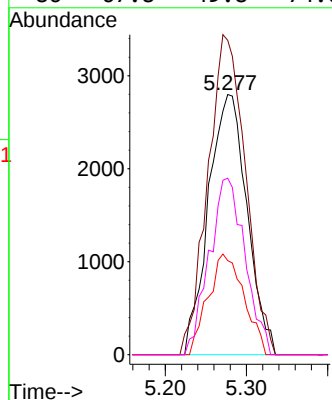
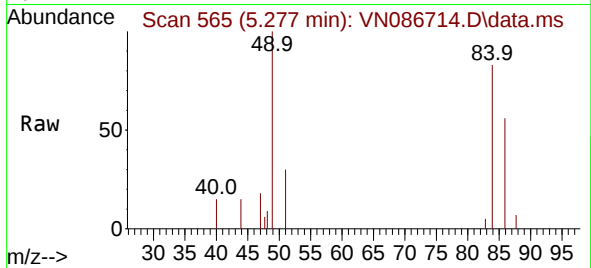




#20
Methylene Chloride
Concen: 3.917 ug/l
RT: 5.277 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN086714.D
Acq: 20 May 2025 13:39

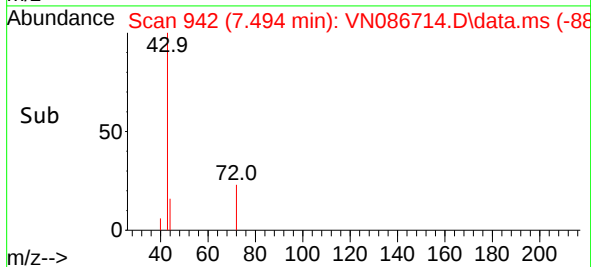
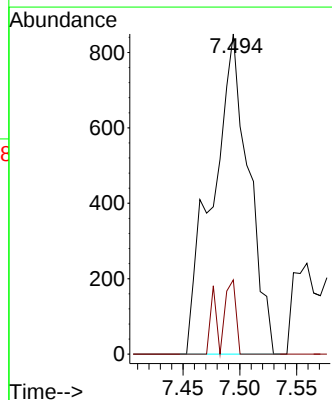
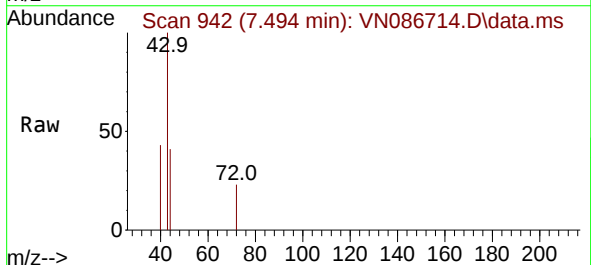
Instrument :
MSVOA_N
ClientSampleId :
L1-WC-9

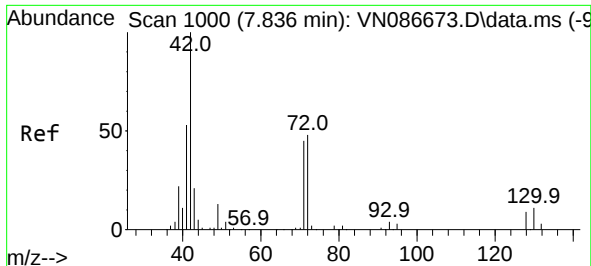
Tgt Ion: 84	Resp: 9220
Ion Ratio	Lower Upper
84 100	
49 120.8	88.8 133.2
51 36.2	27.8 41.6
86 67.8	49.8 74.6



#25
2-Butanone
Concen: 1.364 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.018 min
Lab File: VN086714.D
Acq: 20 May 2025 13:39

Tgt Ion: 43	Resp: 1880		
Ion Ratio	Lower	Upper	
43	100		
72	23.2	23.1	34.7





#29

Tetrahydrofuran

Concen: 0.541 ug/l

RT: 7.841 min Scan# 1065

Delta R.T. 0.006 min

Lab File: VN086714.D

Acq: 20 May 2025 13:39

Instrument :

MSVOA_N

ClientSampleId :

L1-WC-9

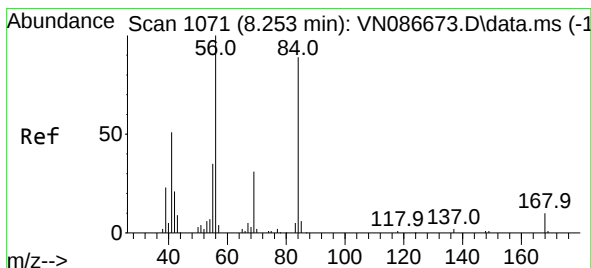
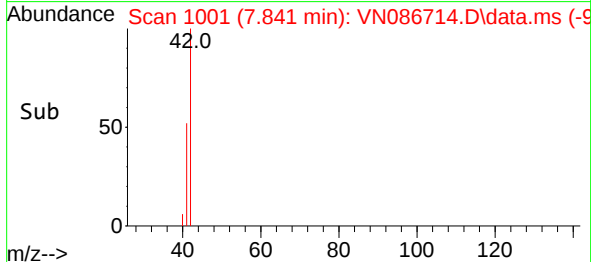
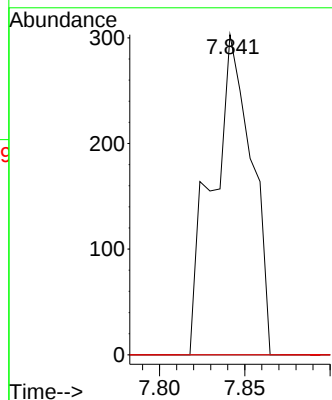
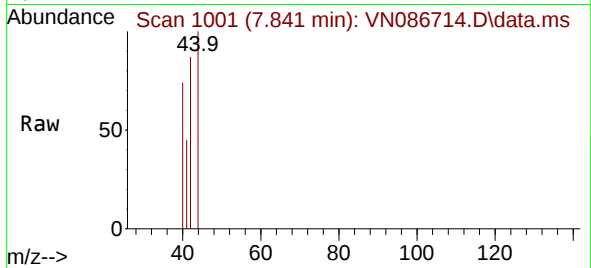
Tgt Ion: 42 Resp: 487

Ion Ratio Lower Upper

42 100

72 0.0 38.7 58.1#

71 0.0 36.2 54.4#



#31

Cyclohexane

Concen: 0.924 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.035 min

Lab File: VN086714.D

Acq: 20 May 2025 13:39

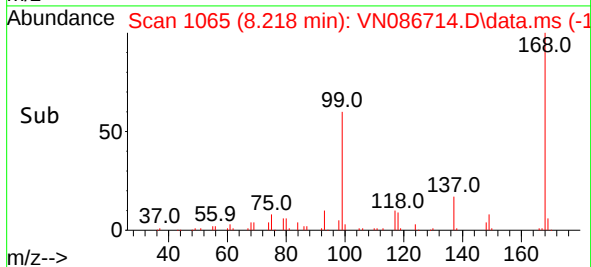
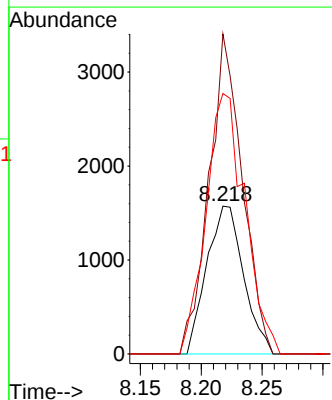
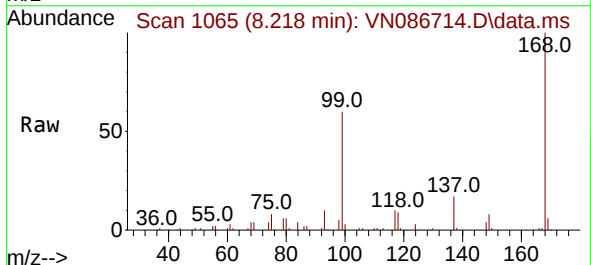
Tgt Ion: 56 Resp: 3308

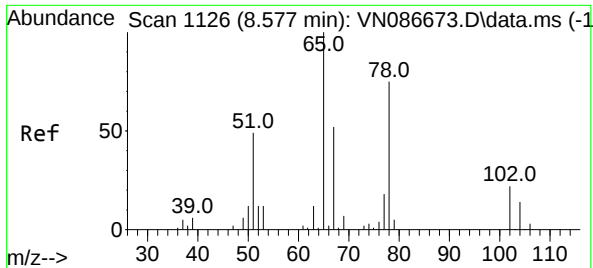
Ion Ratio Lower Upper

56 100

69 216.5 25.0 37.6#

84 176.2 71.0 106.4#





#33

1,2-Dichloroethane-d4

Concen: 52.509 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN086714.D

Acq: 20 May 2025 13:39

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MSVOA_N

ClientSampleId :

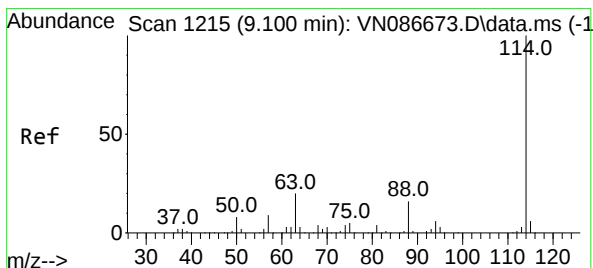
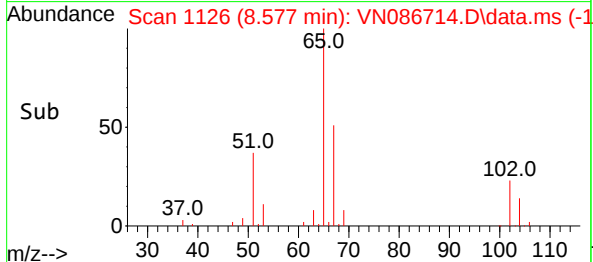
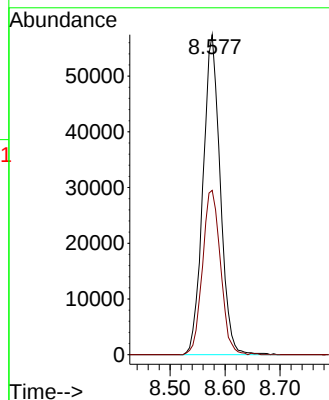
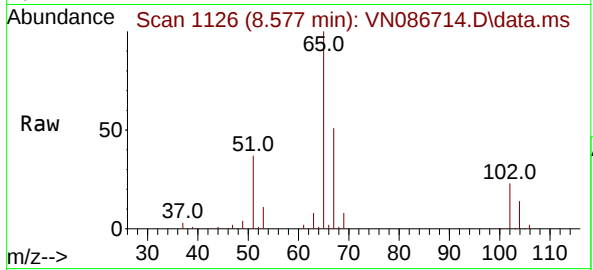
L1-WC-9

Tgt Ion: 65 Resp: 125197

Ion Ratio Lower Upper

65 100

67 53.6 0.0 106.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.000 min

Lab File: VN086714.D

Acq: 20 May 2025 13:39

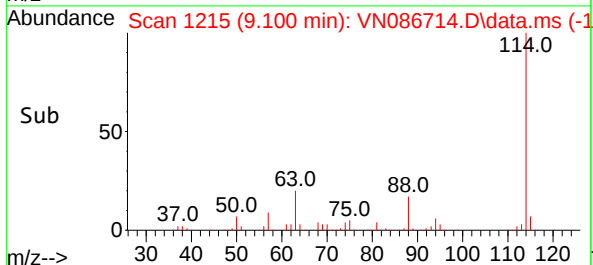
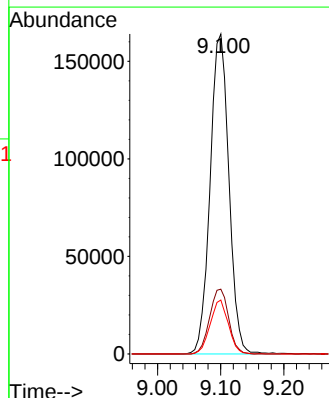
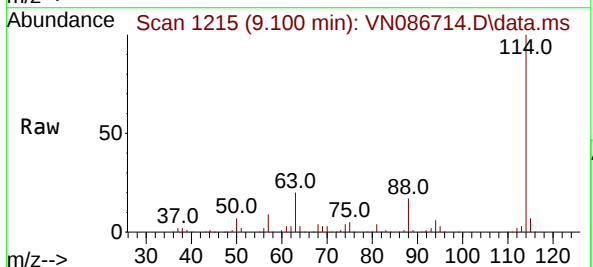
Tgt Ion: 114 Resp: 338507

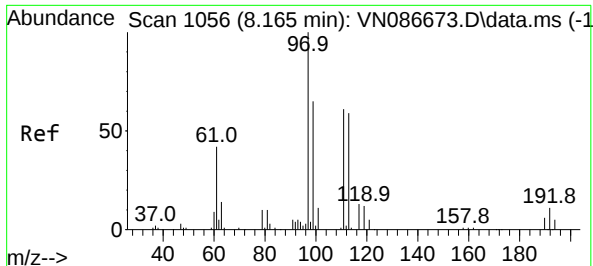
Ion Ratio Lower Upper

114 100

63 20.2 0.0 40.2

88 16.9 0.0 31.2

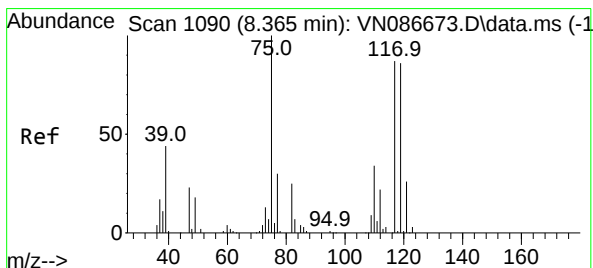
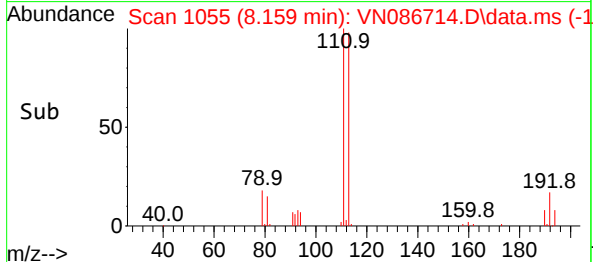
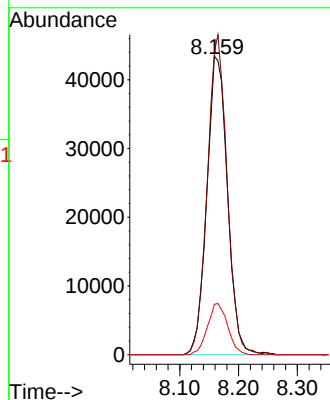
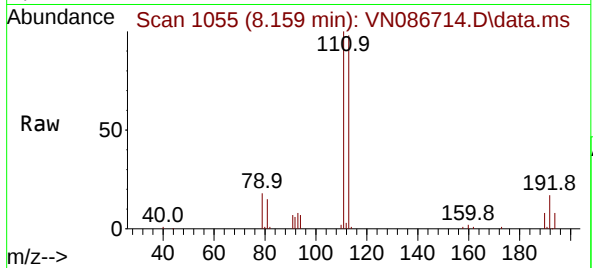




#35
Dibromofluoromethane
Concen: 52.469 ug/l
RT: 8.159 min Scan# 1055
Delta R.T. -0.006 min
Lab File: VN086714.D
Acq: 20 May 2025 13:39

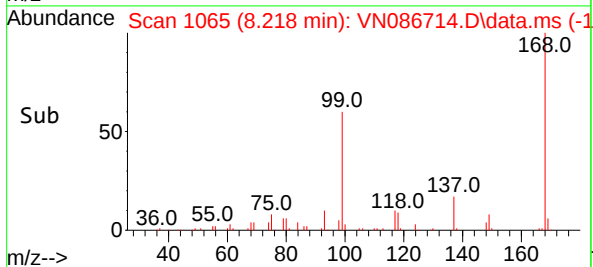
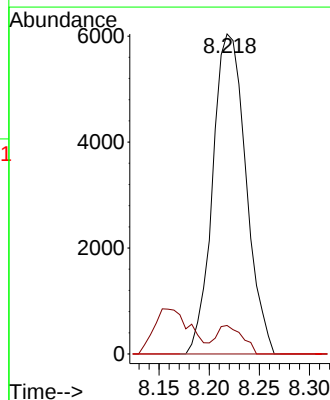
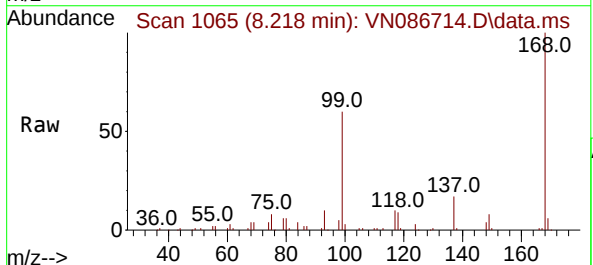
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L1-WC-9

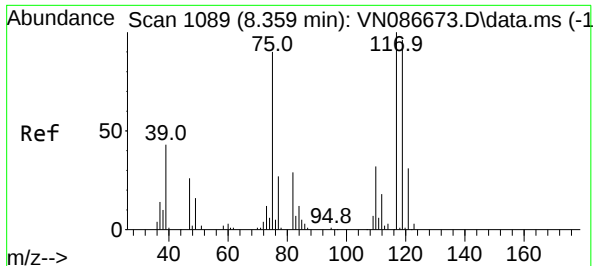
Tgt Ion:113 Resp: 105776
Ion Ratio Lower Upper
113 100
111 102.7 82.2 123.2
192 16.7 13.8 20.8



#36
1,1-Dichloropropene
Concen: 4.675 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.147 min
Lab File: VN086714.D
Acq: 20 May 2025 13:39

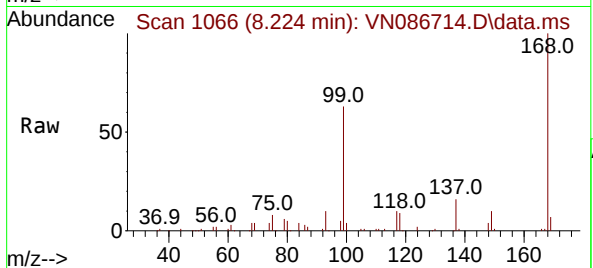
Tgt Ion: 75 Resp: 13903
Ion Ratio Lower Upper
75 100
110 6.8 17.5 52.5#
77 0.0 25.1 37.7#



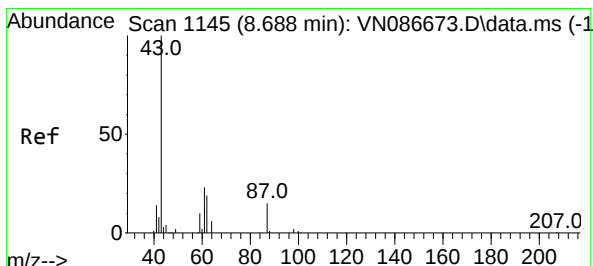
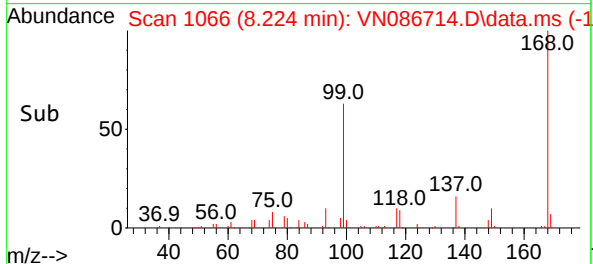
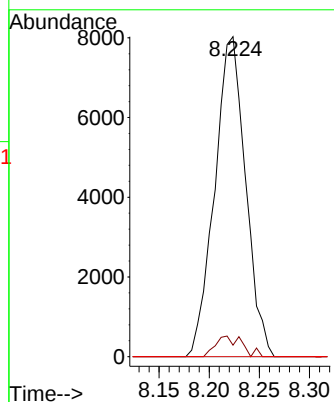


#38
Carbon Tetrachloride
Concen: 5.868 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.135 min
Lab File: VN086714.D
Acq: 20 May 2025 13:39

Instrument :
MSVOA_N
ClientSampleId :
L1-WC-9

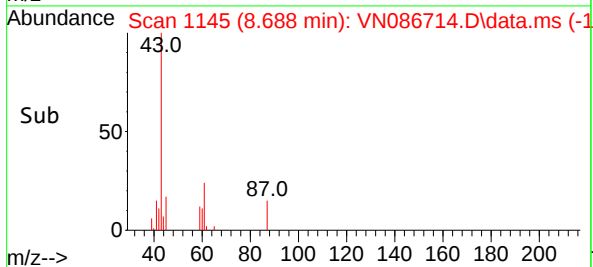
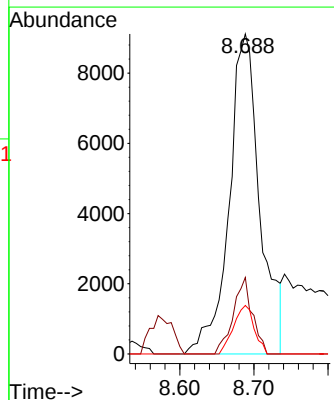
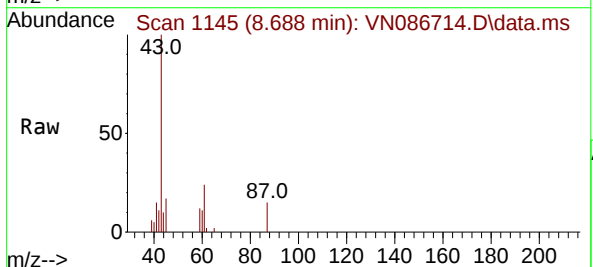


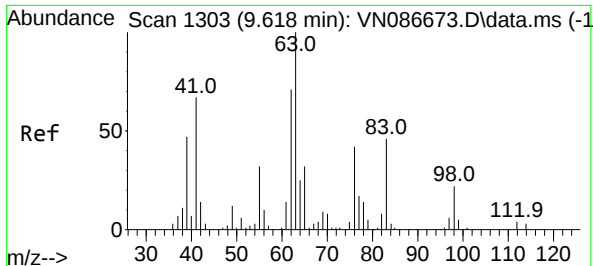
Tgt Ion:117 Resp: 17192
Ion Ratio Lower Upper
117 100
119 3.6 77.0 115.6#
121 0.0 25.0 37.6#



#43
Isopropyl Acetate
Concen: 4.368 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. -0.000 min
Lab File: VN086714.D
Acq: 20 May 2025 13:39

Tgt Ion: 43 Resp: 26305
Ion Ratio Lower Upper
43 100
61 14.9 21.4 32.2#
87 10.2 11.1 16.7#





#45

1,2-Dichloropropane

Concen: 0.353 ug/l

RT: 9.735 min Scan# 1323

Delta R.T. 0.117 min

Lab File: VN086714.D

Acq: 20 May 2025 13:39

Instrument :

MSVOA_N

ClientSampleId :

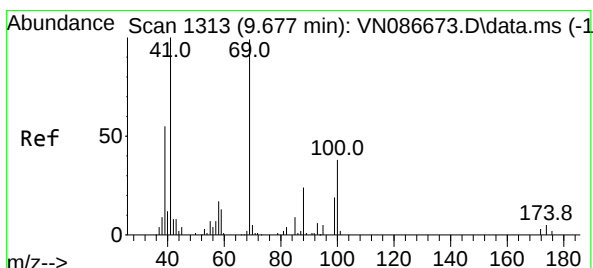
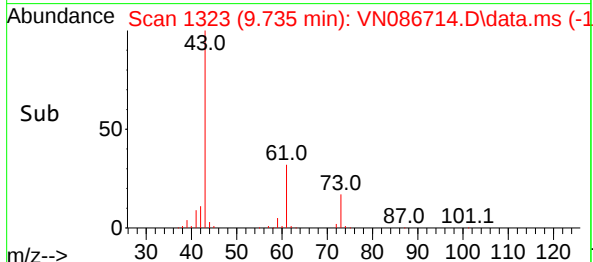
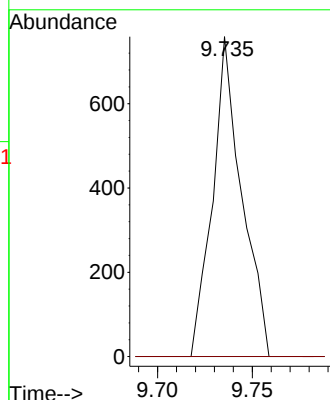
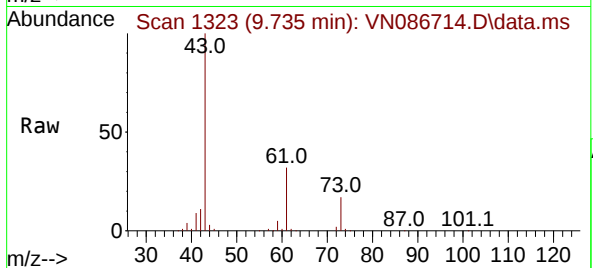
L1-WC-9

Tgt Ion: 63 Resp: 813

Ion Ratio Lower Upper

63 100

65 0.0 25.8 38.6#



#48

Methyl methacrylate

Concen: 23.375 ug/l

RT: 9.735 min Scan# 1323

Delta R.T. 0.059 min

Lab File: VN086714.D

Acq: 20 May 2025 13:39

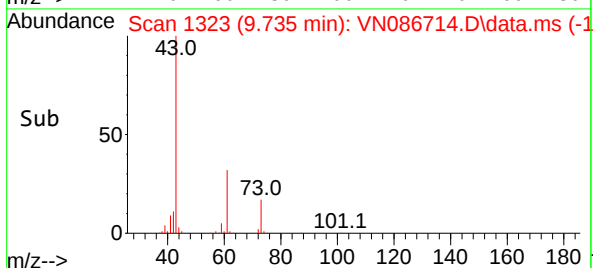
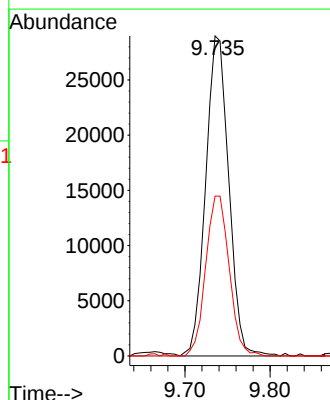
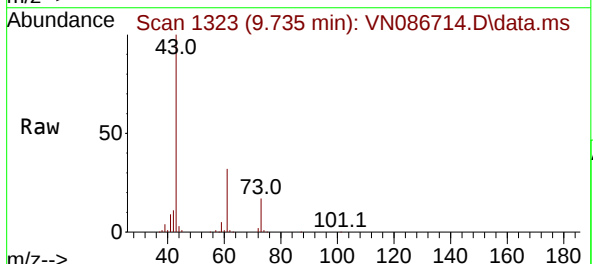
Tgt Ion: 41 Resp: 54542

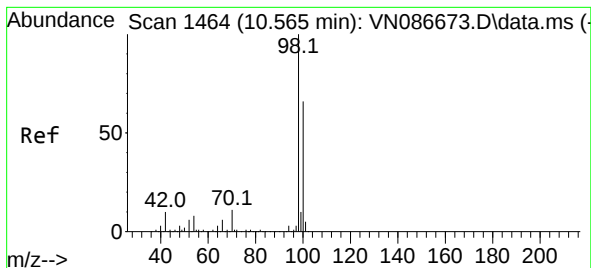
Ion Ratio Lower Upper

41 100

69 0.0 74.1 111.1#

39 50.9 44.1 66.1

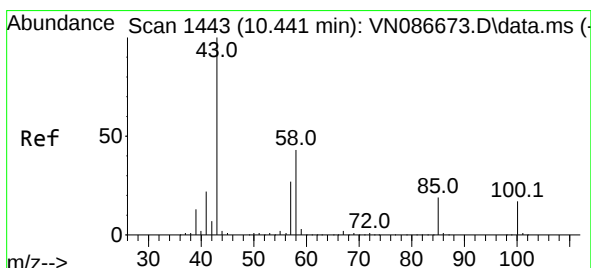
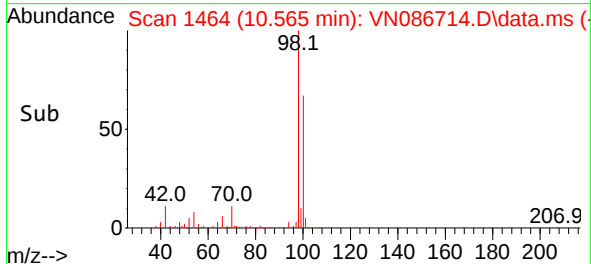
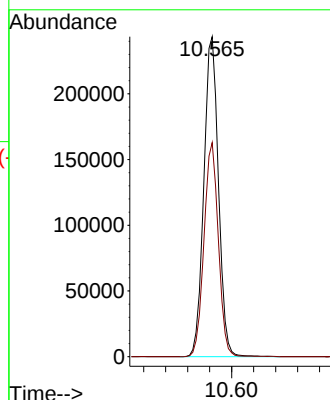
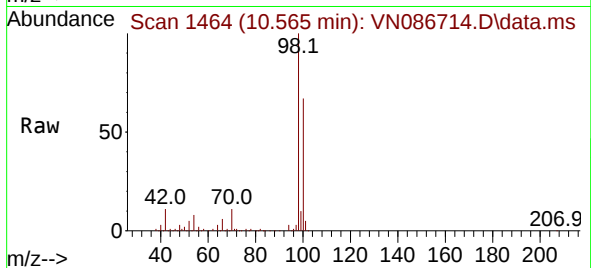




#50
Toluene-d8
Concen: 53.713 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN086714.D
Acq: 20 May 2025 13:39

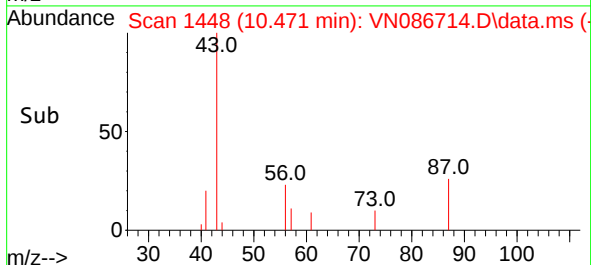
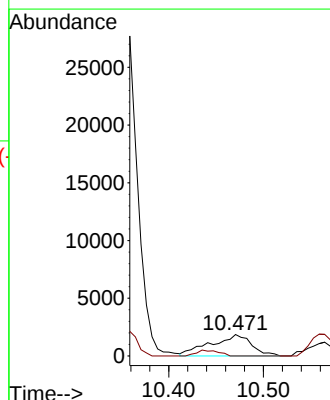
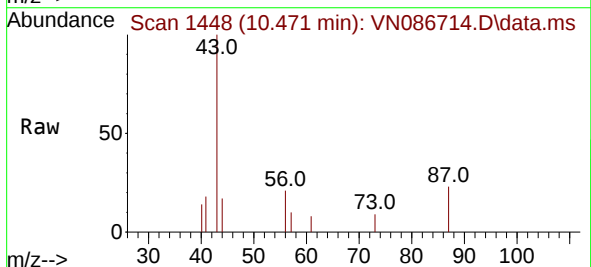
Instrument :
MSVOA_N
ClientSampleId :
L1-WC-9

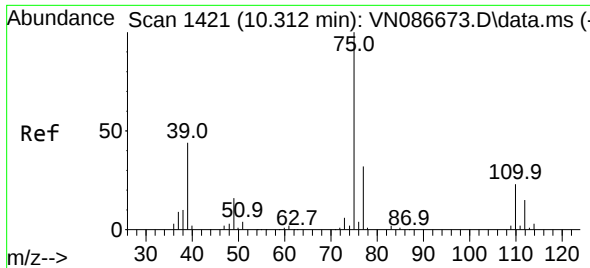
Tgt Ion: 98 Resp: 448726
Ion Ratio Lower Upper
98 100
100 65.8 52.9 79.3



#51
4-Methyl-2-Pentanone
Concen: 1.833 ug/l
RT: 10.471 min Scan# 1448
Delta R.T. 0.029 min
Lab File: VN086714.D
Acq: 20 May 2025 13:39

Tgt Ion: 43 Resp: 5565
Ion Ratio Lower Upper
43 100
58 0.0 33.9 50.9#

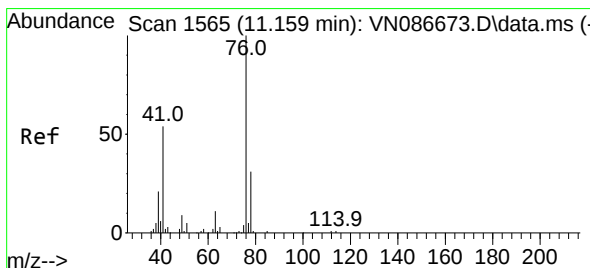
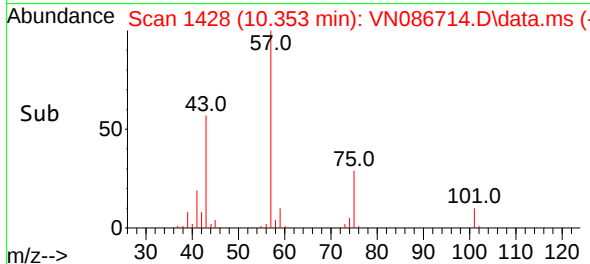
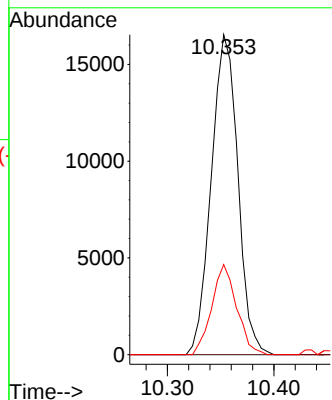
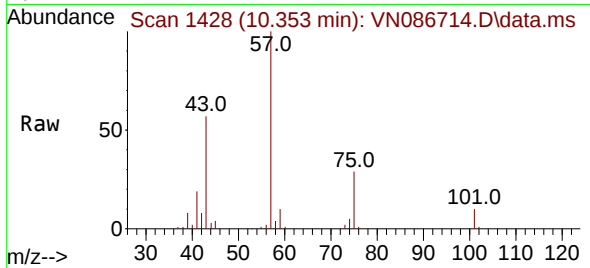




#54
 cis-1,3-Dichloropropene
 Concen: 7.732 ug/l
 RT: 10.353 min Scan# 1428
 Delta R.T. 0.041 min
 Lab File: VN086714.D
 Acq: 20 May 2025 13:39

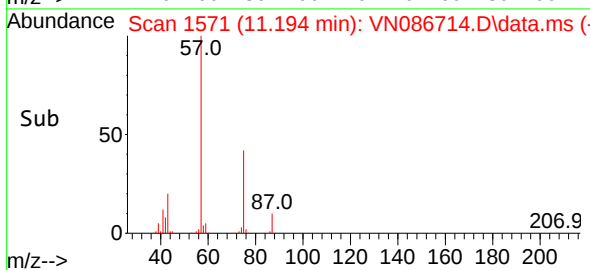
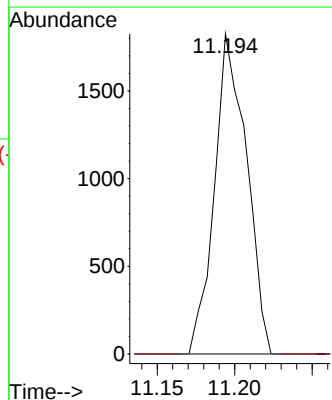
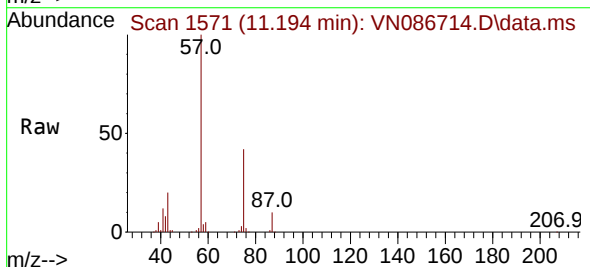
Instrument :
 MSVOA_N
 ClientSampleId :
 L1-WC-9

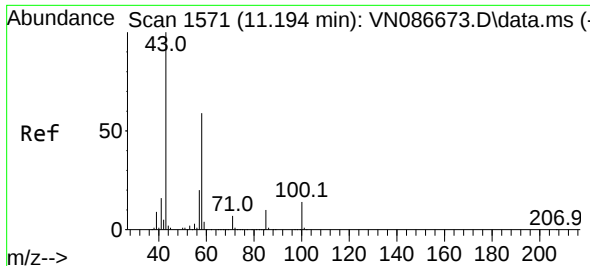
Tgt Ion: 75 Resp: 28632
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.3 37.9#
 39 28.2 35.2 52.8#



#57
 1,3-Dichloropropane
 Concen: 0.678 ug/l
 RT: 11.194 min Scan# 1571
 Delta R.T. 0.035 min
 Lab File: VN086714.D
 Acq: 20 May 2025 13:39

Tgt Ion: 76 Resp: 2628
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.8 38.8#

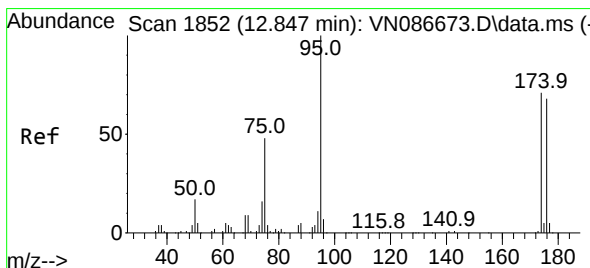
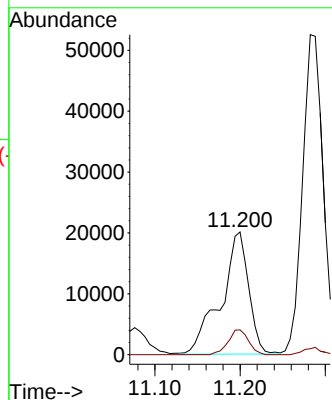
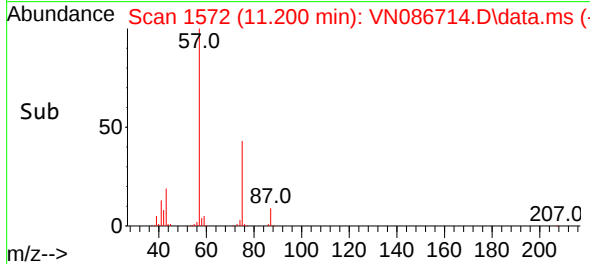
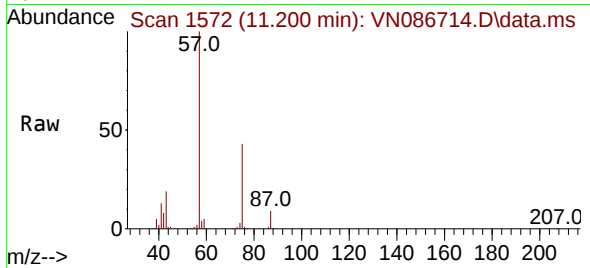




#59
2-Hexanone
Concen: 20.553 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.006 min
Lab File: VN086714.D
Acq: 20 May 2025 13:39

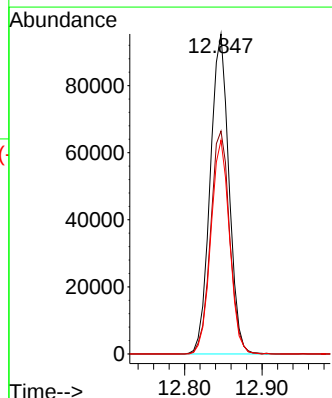
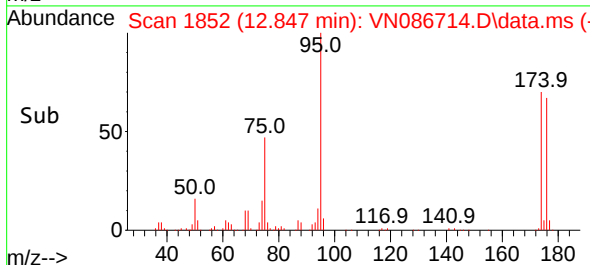
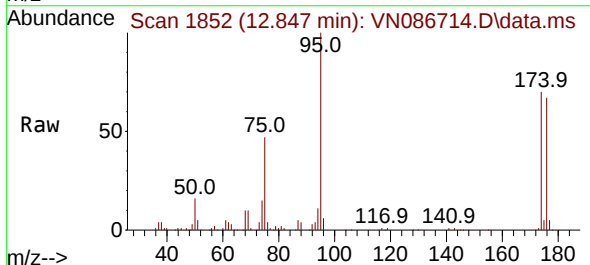
Instrument :
MSVOA_N
ClientSampleId :
L1-WC-9

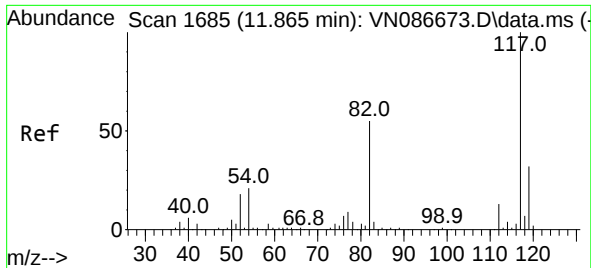
Tgt Ion: 43 Resp: 45577
Ion Ratio Lower Upper
43 100
58 14.9 29.8 89.5#



#62
4-Bromofluorobenzene
Concen: 54.349 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086714.D
Acq: 20 May 2025 13:39

Tgt Ion: 95 Resp: 160321
Ion Ratio Lower Upper
95 100
174 71.3 0.0 145.4
176 66.6 0.0 137.8

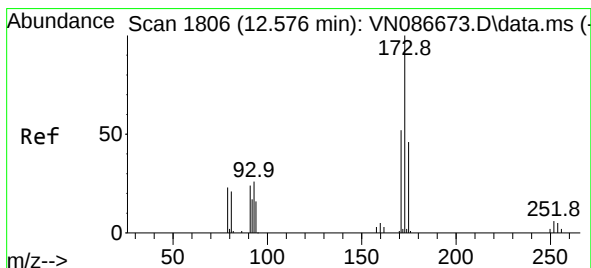
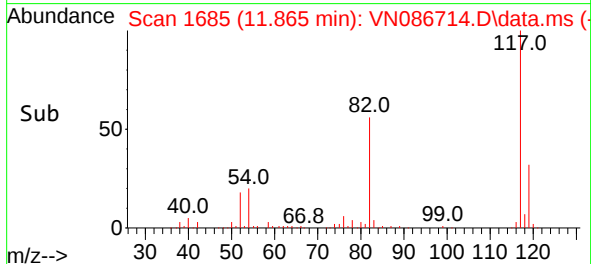
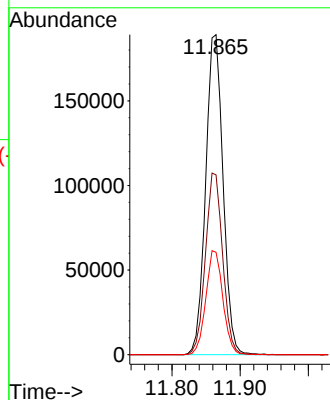
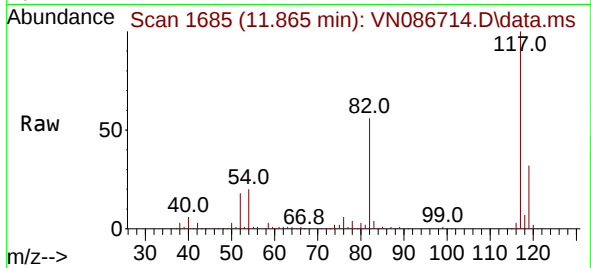




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN086714.D
Acq: 20 May 2025 13:39

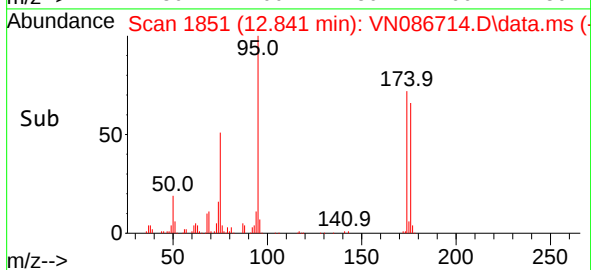
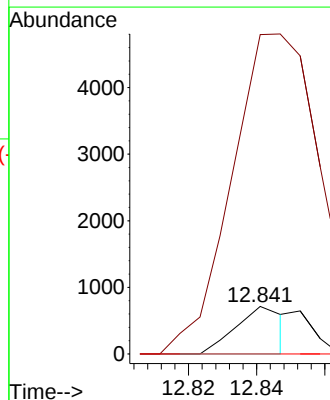
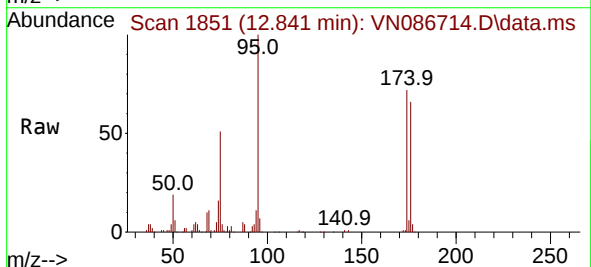
Instrument :
MSVOA_N
ClientSampleId :
L1-WC-9

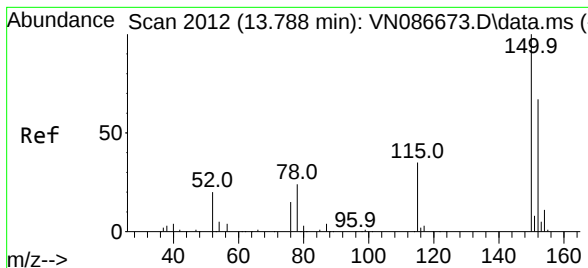
Tgt Ion:117 Resp: 335679
Ion Ratio Lower Upper
117 100
82 56.2 44.2 66.2
119 32.0 25.4 38.2



#71
Bromoform
Concen: 0.411 ug/l
RT: 12.841 min Scan# 1851
Delta R.T. 0.265 min
Lab File: VN086714.D
Acq: 20 May 2025 13:39

Tgt Ion:173 Resp: 695
Ion Ratio Lower Upper
173 100
175 1015.7 23.4 70.2#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.788 min Scan# 20

Delta R.T. -0.000 min

Lab File: VN086714.D

Acq: 20 May 2025 13:39

Instrument :

MSVOA_N

ClientSampleId :

L1-WC-9

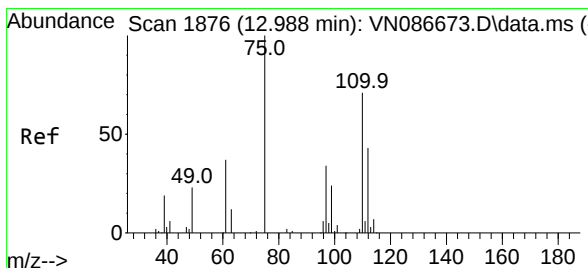
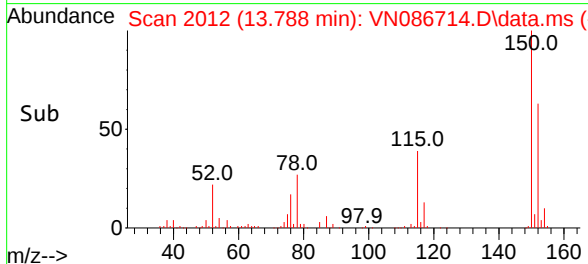
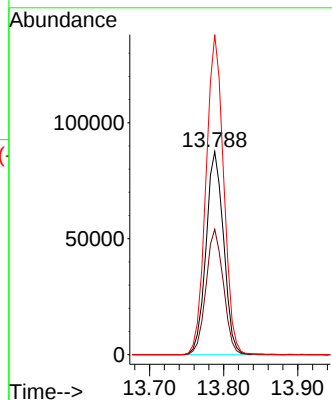
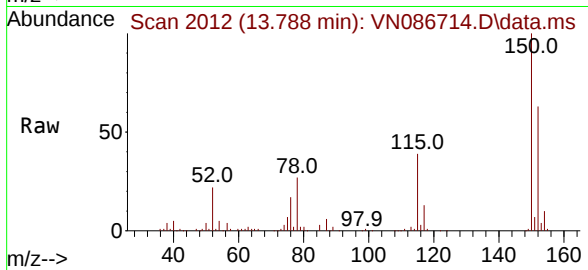
Tgt Ion:152 Resp: 144397

Ion Ratio Lower Upper

152 100

115 61.2 30.0 90.1

150 158.5 0.0 347.8



#76

1,2,3-Trichloropropane

Concen: 23.887 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.141 min

Lab File: VN086714.D

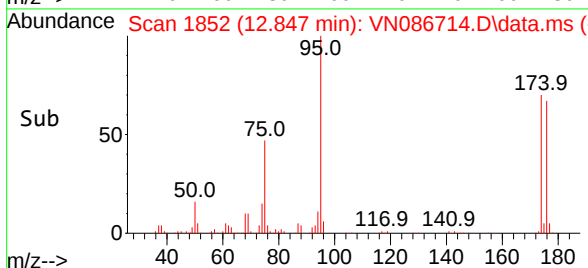
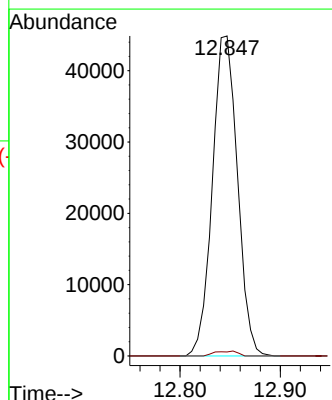
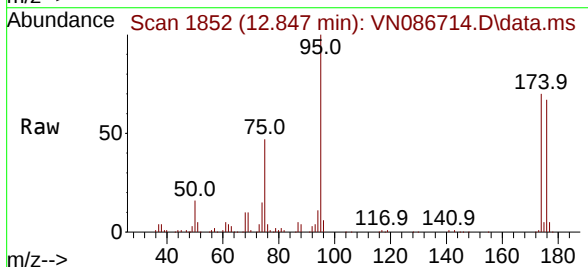
Acq: 20 May 2025 13:39

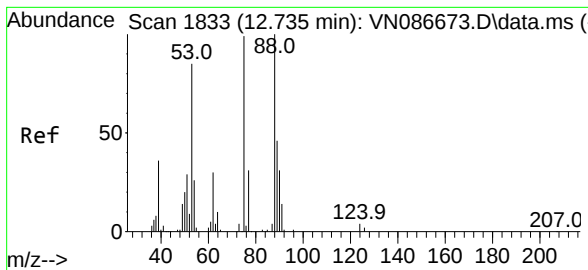
Tgt Ion: 75 Resp: 78006

Ion Ratio Lower Upper

75 100

77 1.4 96.0 288.1#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 60.282 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN086714.D
 Acq: 20 May 2025 13:39

Instrument :
 MSVOA_N
 ClientSampleId :
 L1-WC-9

Tgt Ion: 75 Resp: 78006
 Ion Ratio Lower Upper
 75 100
 53 0.0 70.4 105.6#
 89 0.0 32.4 48.6#

