

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061225\
 Data File : VN086973.D
 Acq On : 12 Jun 2025 13:38
 Operator : JC\MD
 Sample : Q2271-04RE
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP12-MHK-WC

Quant Time: Jun 13 01:27:14 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 07 02:12:50 2025
 Response via : Initial Calibration

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

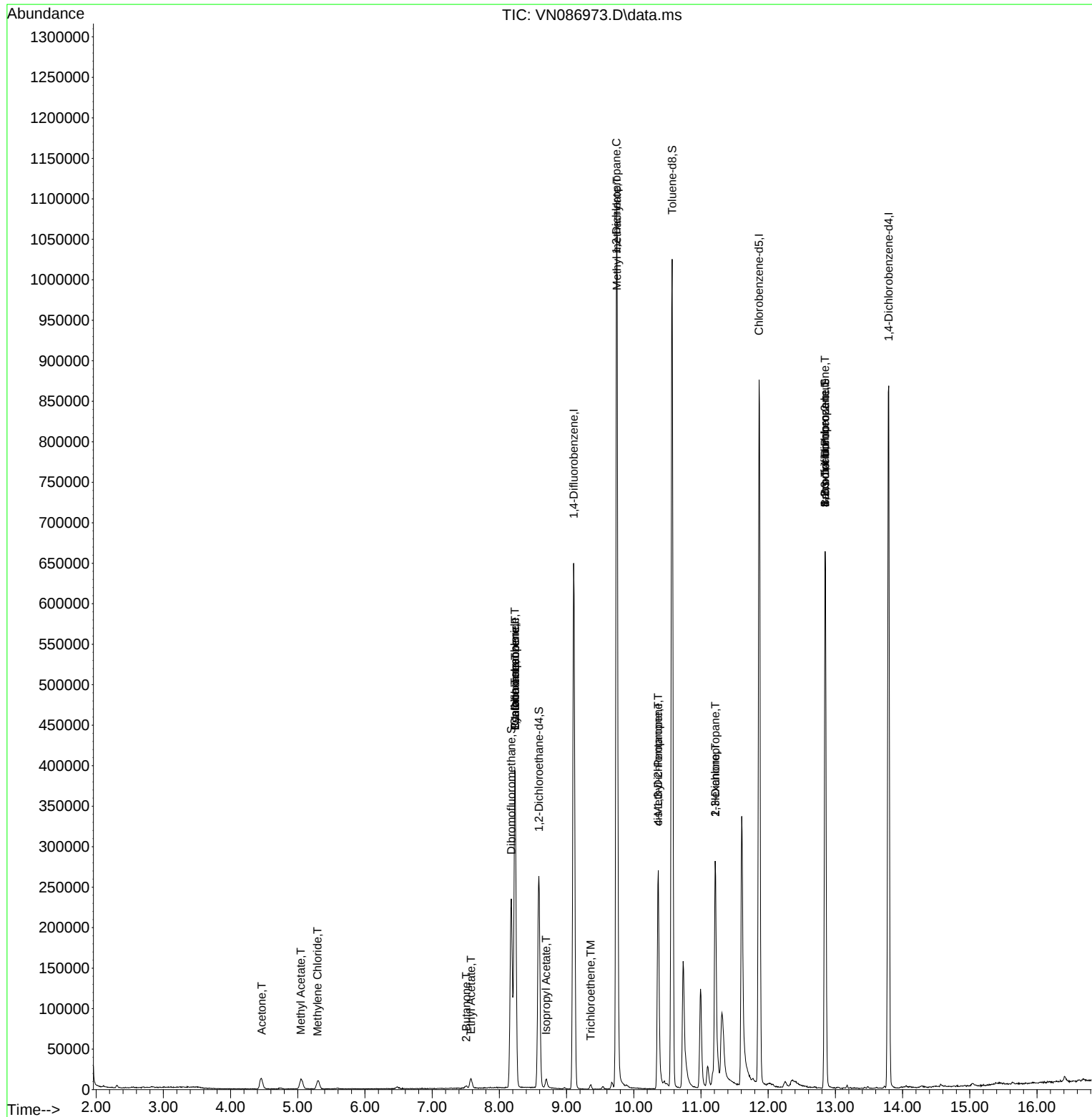
Internal Standards						
1) Pentafluorobenzene	8.235	168	308710	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	601460	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	542008	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	259216	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	216403	52.356	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 104.720%	
35) Dibromofluoromethane	8.177	113	181039	50.791	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 101.580%	
50) Toluene-d8	10.571	98	740754	52.497	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 105.000%	
62) 4-Bromofluorobenzene	12.847	95	266883	50.908	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 101.820%	
Target Compounds						
					Qvalue	
16) Acetone	4.465	43	26976	12.307	ug/l	95
18) Methyl Acetate	5.047	43	27430	4.294	ug/l	99
20) Methylene Chloride	5.294	84	9356	2.280	ug/l	95
25) 2-Butanone	7.506	43	5007	1.405	ug/l	100
31) Cyclohexane	8.235	56	5516	0.823	ug/l #	1
36) 1,1-Dichloropropene	8.235	75	23931	4.506	ug/l #	48
37) Ethyl Acetate	7.577	43	18778	2.777	ug/l	98
38) Carbon Tetrachloride	8.229	117	30201	5.792	ug/l #	17
43) Isopropyl Acetate	8.694	43	11803	1.088	ug/l	93
44) Trichloroethene	9.359	130	2398	0.582	ug/l	73
45) 1,2-Dichloropropane	9.741	63	1546	0.366	ug/l #	43
48) Methyl methacrylate	9.747	41	93311	18.682	ug/l #	35
51) 4-Methyl-2-Pentanone	10.365	43	106441	16.293	ug/l #	44
54) cis-1,3-Dichloropropene	10.365	75	63521	9.194	ug/l #	57
57) 1,3-Dichloropropane	11.212	76	4275	0.603	ug/l #	43
59) 2-Hexanone	11.212	43	56353	13.392	ug/l #	45
71) Bromoform	12.847	173	1126	0.395	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	122381	19.862	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	122381	45.721	ug/l #	16

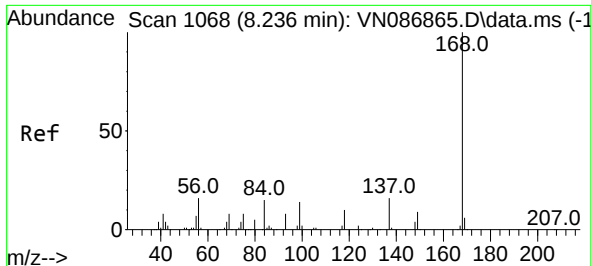
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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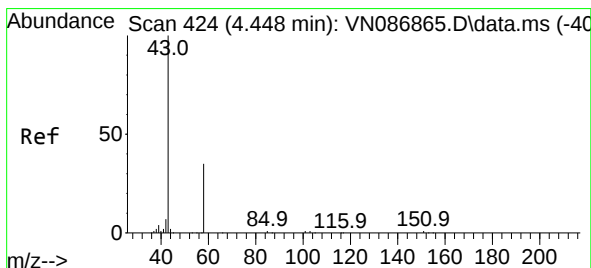
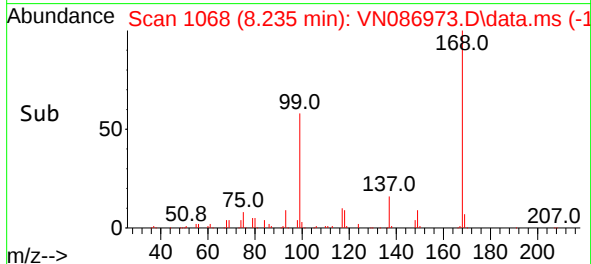
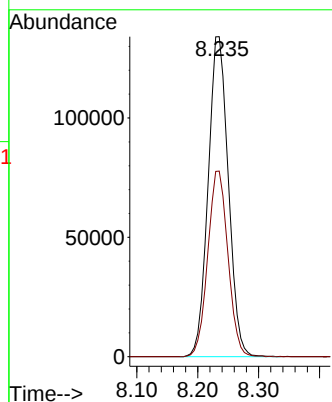
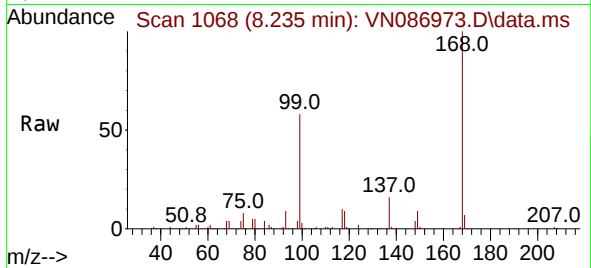




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.001 min
Lab File: VN086973.D
Acq: 12 Jun 2025 13:38

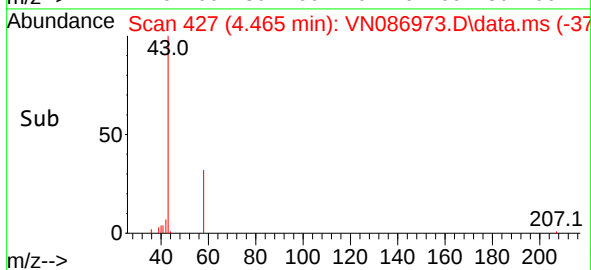
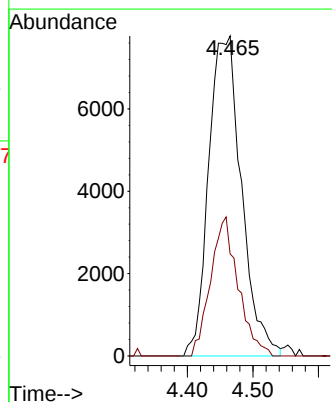
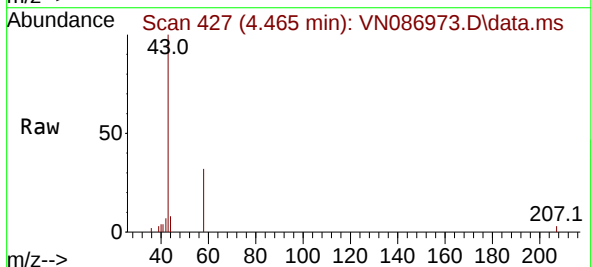
Instrument :
MSVOA_N
ClientSampleId :
TP12-MHK-WC

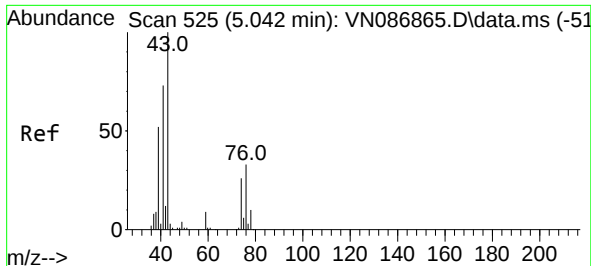
Tgt Ion:168 Resp: 308710
Ion Ratio Lower Upper
168 100
99 58.0 49.1 73.7



#16
Acetone
Concen: 12.307 ug/l
RT: 4.465 min Scan# 427
Delta R.T. 0.017 min
Lab File: VN086973.D
Acq: 12 Jun 2025 13:38

Tgt Ion: 43 Resp: 26976
Ion Ratio Lower Upper
43 100
58 31.9 28.0 42.0

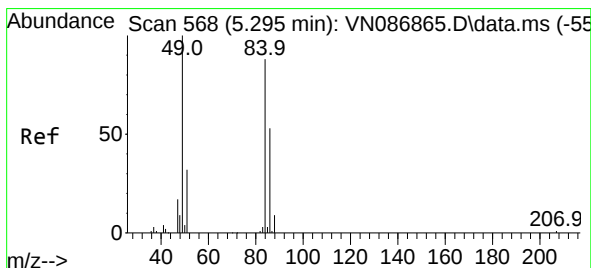
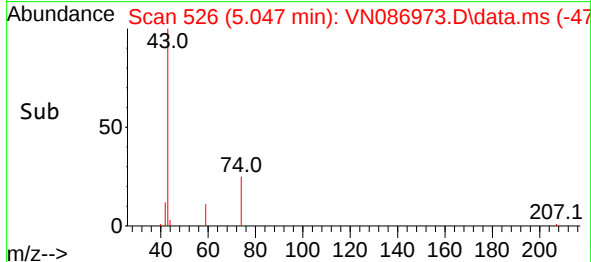
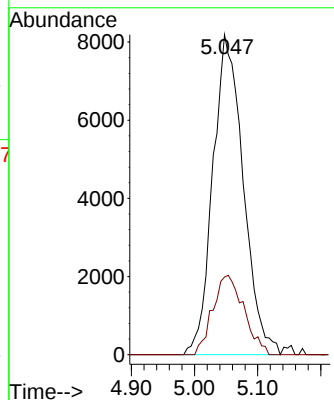
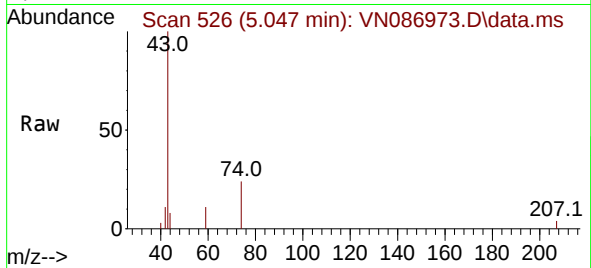




#18
Methyl Acetate
Concen: 4.294 ug/l
RT: 5.047 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN086973.D
Acq: 12 Jun 2025 13:38

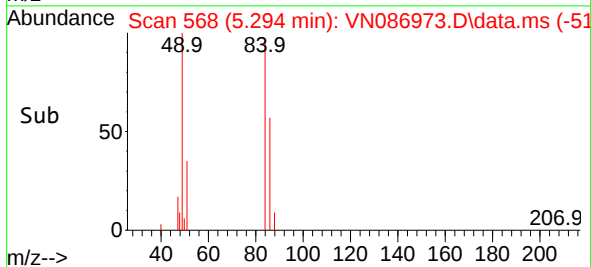
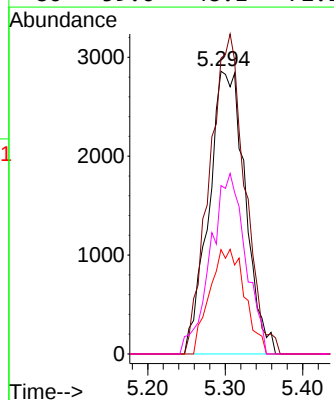
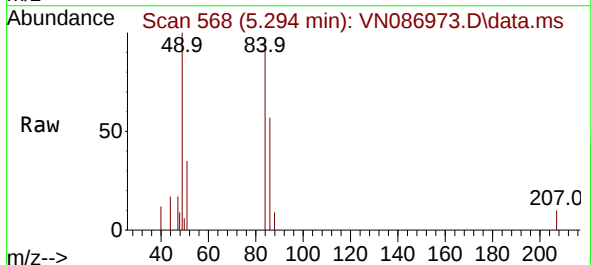
Instrument :
MSVOA_N
ClientSampleId :
TP12-MHK-WC

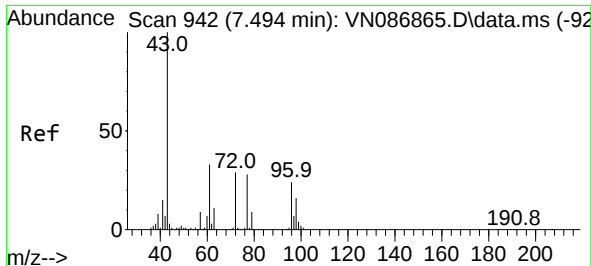
Tgt Ion: 43 Resp: 27430
Ion Ratio Lower Upper
43 100
74 25.4 20.7 31.1



#20
Methylene Chloride
Concen: 2.280 ug/l
RT: 5.294 min Scan# 568
Delta R.T. -0.000 min
Lab File: VN086973.D
Acq: 12 Jun 2025 13:38

Tgt Ion: 84 Resp: 9356
Ion Ratio Lower Upper
84 100
49 104.7 90.5 135.7
51 36.9 28.5 42.7
86 59.6 48.1 72.1

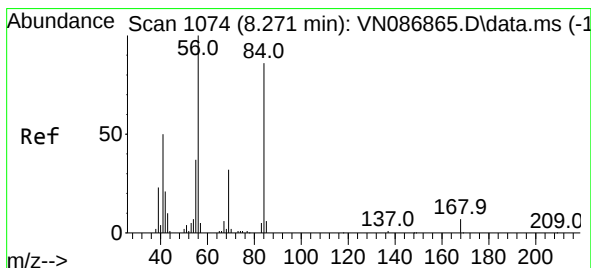
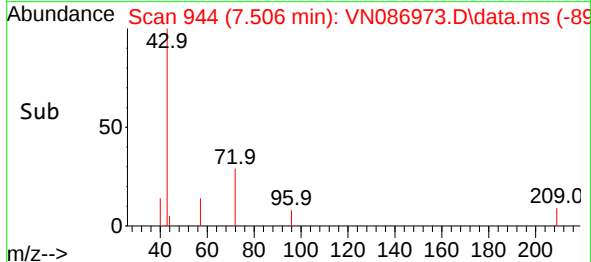
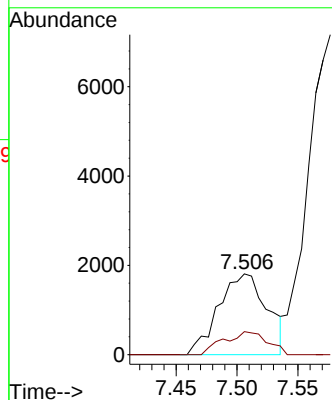
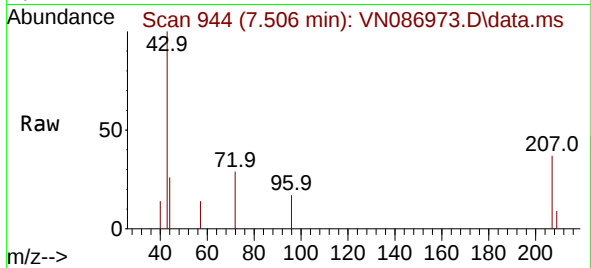




#25
2-Butanone
Concen: 1.405 ug/l
RT: 7.506 min Scan# 94
Delta R.T. 0.012 min
Lab File: VN086973.D
Acq: 12 Jun 2025 13:38

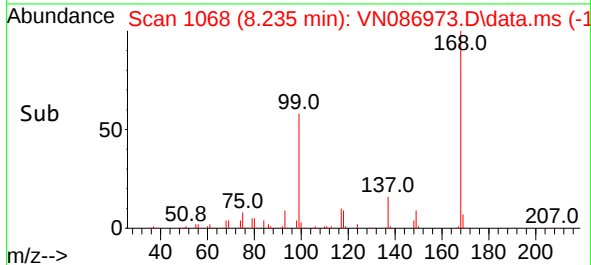
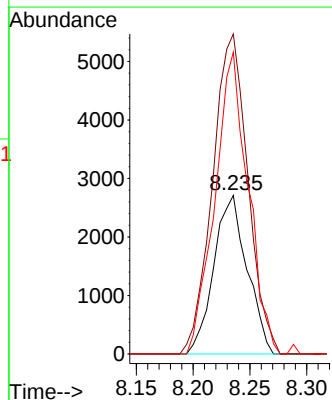
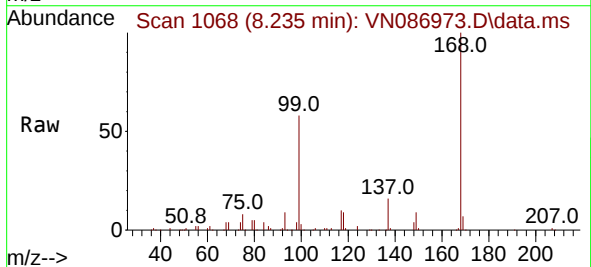
Instrument :
MSVOA_N
ClientSampleId :
TP12-MHK-WC

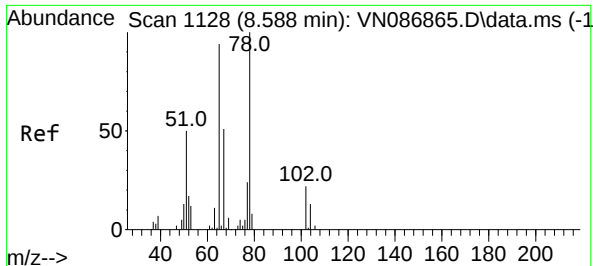
Tgt Ion: 43 Resp: 5007
Ion Ratio Lower Upper
43 100
72 28.6 23.0 34.6



#31
Cyclohexane
Concen: 0.823 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.036 min
Lab File: VN086973.D
Acq: 12 Jun 2025 13:38

Tgt Ion: 56 Resp: 5516
Ion Ratio Lower Upper
56 100
69 201.8 25.4 38.0#
84 190.3 68.8 103.2#





#33

1,2-Dichloroethane-d4

Concen: 52.356 ug/l

RT: 8.588 min Scan# 1128

Delta R.T. -0.000 min

Lab File: VN086973.D

Acq: 12 Jun 2025 13:38

Instrument :

MSVOA_N

ClientSampleId :

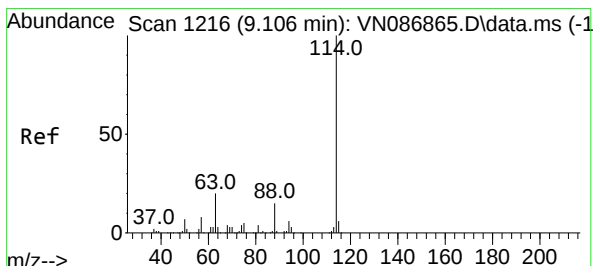
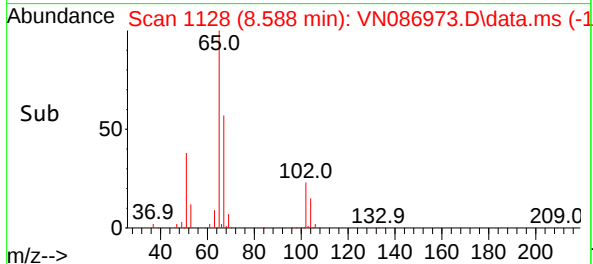
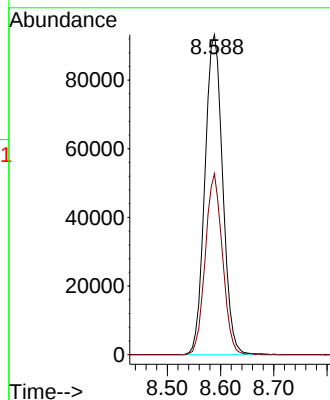
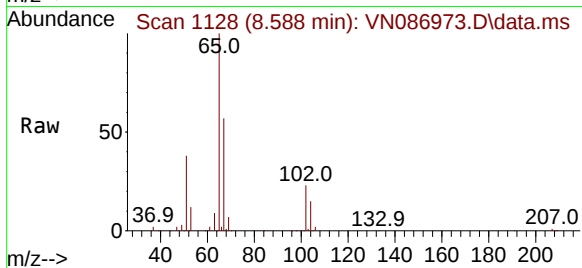
TP12-MHK-WC

Tgt Ion: 65 Resp: 216403

Ion Ratio Lower Upper

65 100

67 54.5 0.0 105.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. -0.000 min

Lab File: VN086973.D

Acq: 12 Jun 2025 13:38

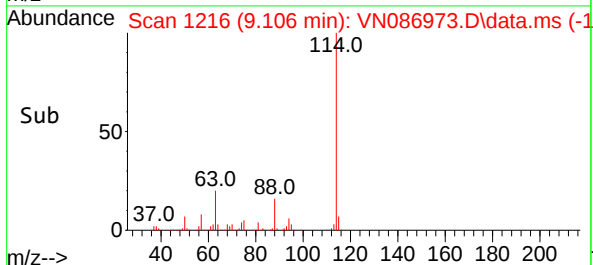
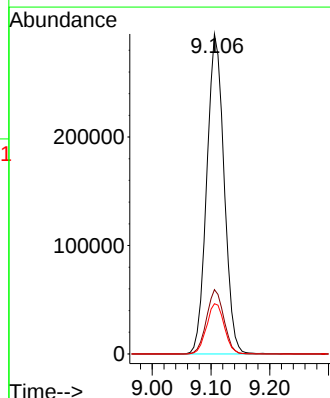
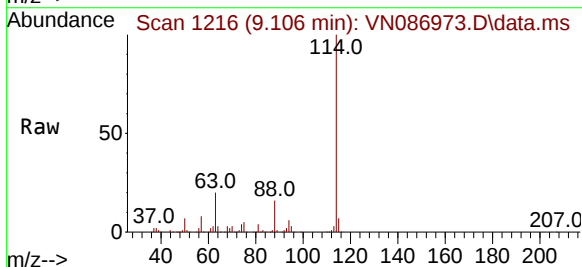
Tgt Ion: 114 Resp: 601460

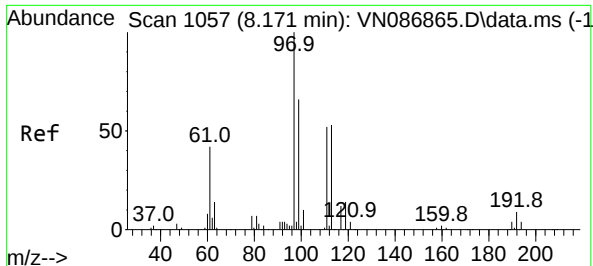
Ion Ratio Lower Upper

114 100

63 20.1 0.0 39.6

88 15.7 0.0 30.2

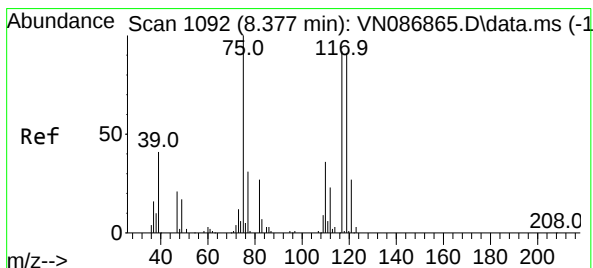
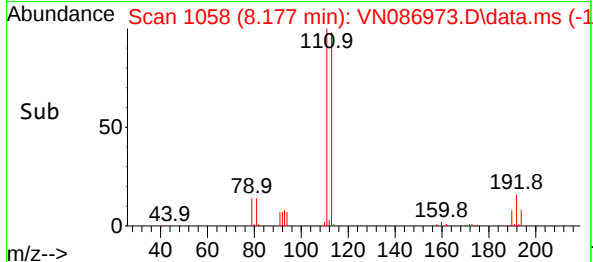
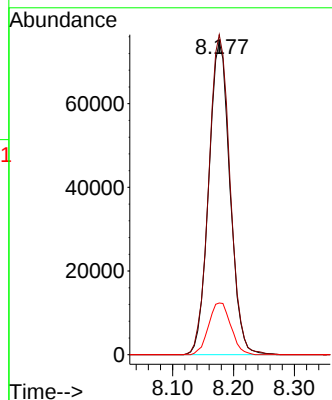
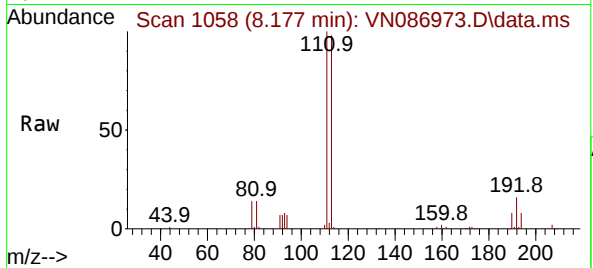




#35
 Dibromofluoromethane
 Concen: 50.791 ug/l
 RT: 8.177 min Scan# 1057
 Delta R.T. 0.006 min
 Lab File: VN086973.D
 Acq: 12 Jun 2025 13:38

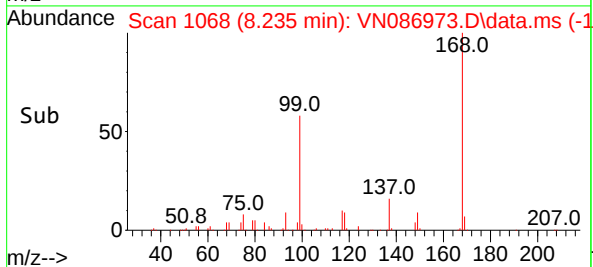
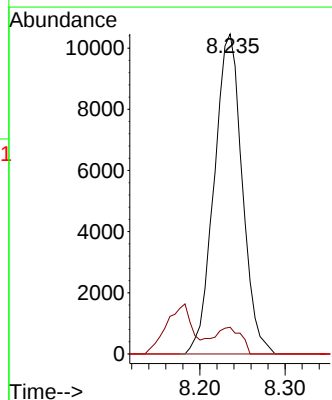
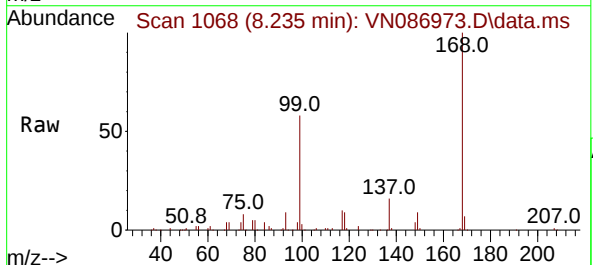
Instrument :
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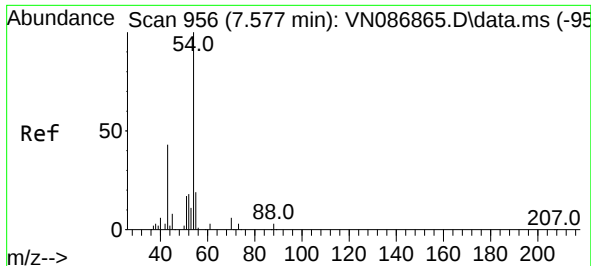
Tgt Ion:113 Resp: 181039
 Ion Ratio Lower Upper
 113 100
 111 102.9 84.2 126.2
 192 17.4 14.2 21.4



#36
 1,1-Dichloropropene
 Concen: 4.506 ug/l
 RT: 8.235 min Scan# 1068
 Delta R.T. -0.141 min
 Lab File: VN086973.D
 Acq: 12 Jun 2025 13:38

Tgt Ion: 75 Resp: 23931
 Ion Ratio Lower Upper
 75 100
 110 7.1 17.6 52.9#
 77 0.0 25.3 37.9#

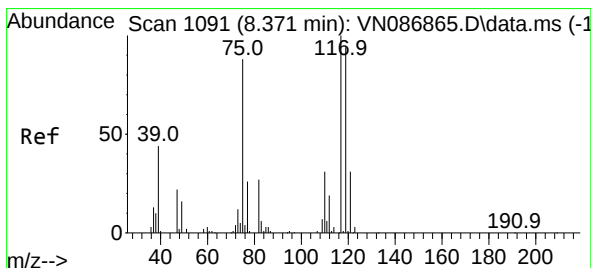
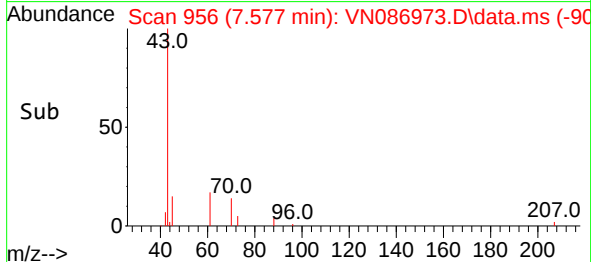
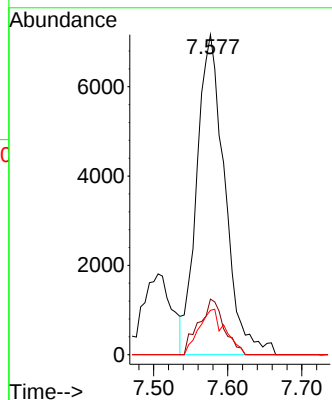
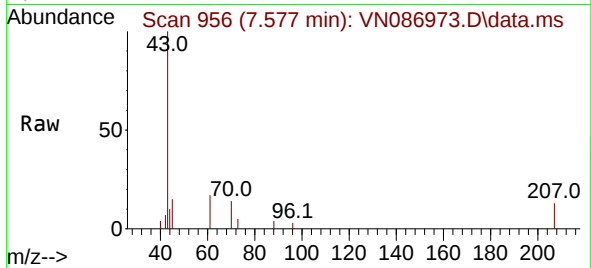




#37
Ethyl Acetate
Concen: 2.777 ug/l
RT: 7.577 min Scan# 91
Delta R.T. -0.000 min
Lab File: VN086973.D
Acq: 12 Jun 2025 13:38

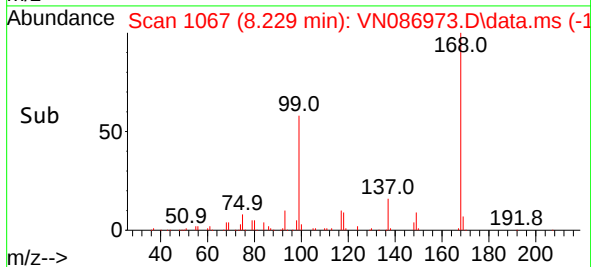
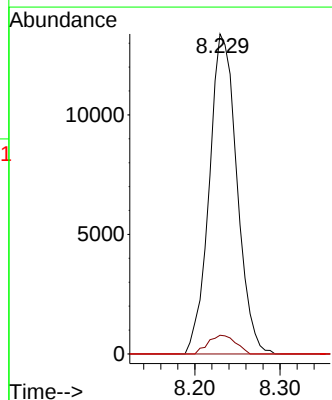
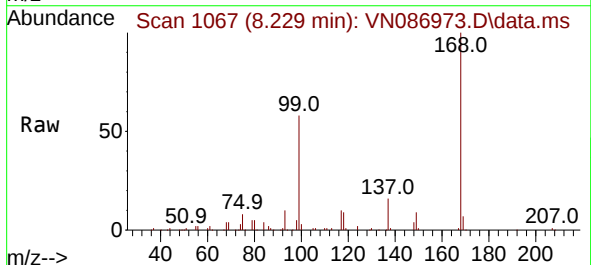
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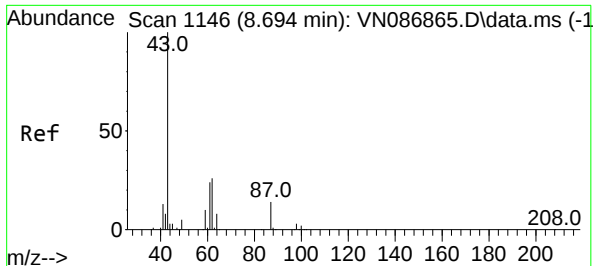
Tgt Ion:	43	Resp:	18778
Ion	Ratio	Lower	Upper
43	100		
61	15.7	12.1	18.1
70	13.3	9.8	14.6



#38
Carbon Tetrachloride
Concen: 5.792 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.141 min
Lab File: VN086973.D
Acq: 12 Jun 2025 13:38

Tgt Ion:	117	Resp:	30201
Ion	Ratio	Lower	Upper
117	100		
119	5.8	75.0	112.6#
121	0.0	24.9	37.3#

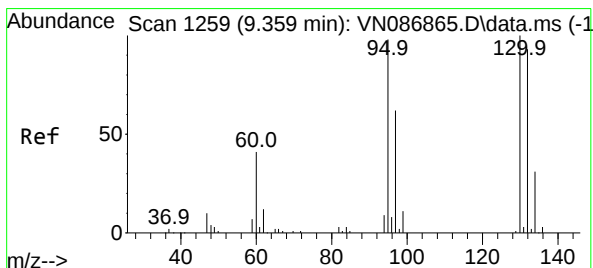
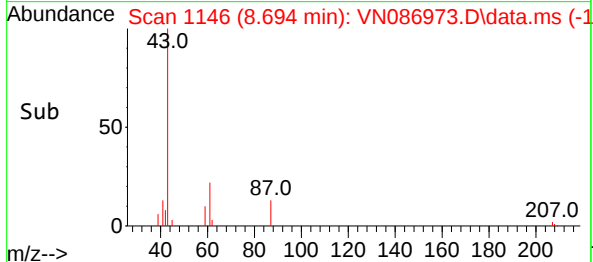
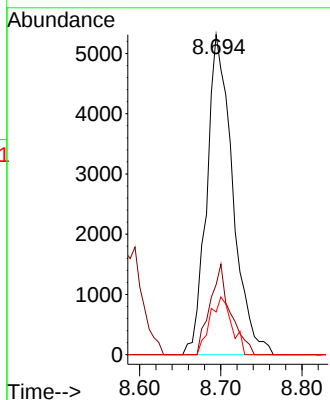
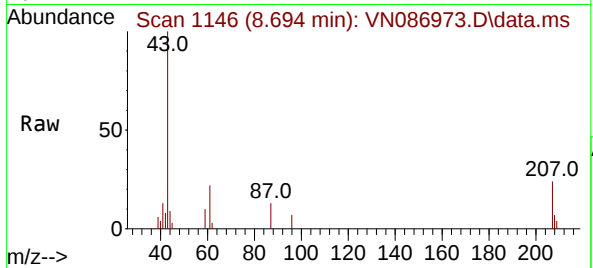




#43
Isopropyl Acetate
Concen: 1.088 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. -0.000 min
Lab File: VN086973.D
Acq: 12 Jun 2025 13:38

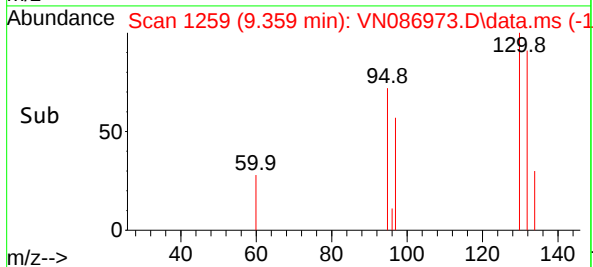
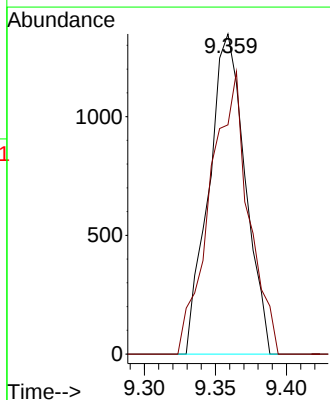
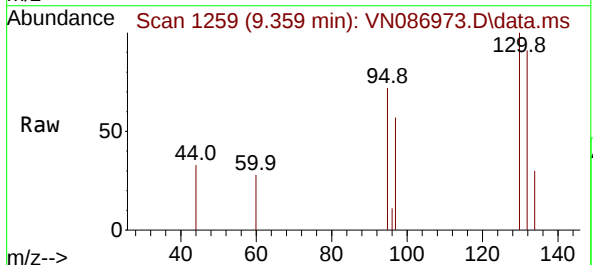
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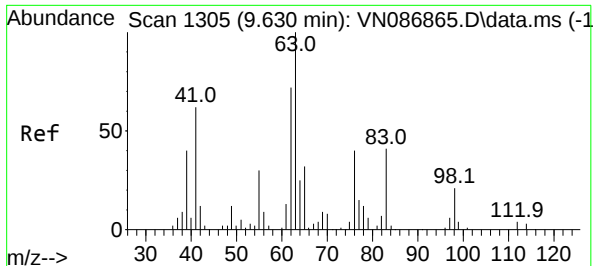
Tgt Ion:	43	Resp:	11803
Ion	Ratio	Lower	Upper
43	100		
61	22.4	22.1	33.1
87	15.1	11.8	17.6



#44
Trichloroethene
Concen: 0.582 ug/l
RT: 9.359 min Scan# 1259
Delta R.T. -0.000 min
Lab File: VN086973.D
Acq: 12 Jun 2025 13:38

Tgt Ion:	130	Resp:	2398
Ion	Ratio	Lower	Upper
130	100		
95	71.6	0.0	196.2





#45

1,2-Dichloropropane

Concen: 0.366 ug/l

RT: 9.741 min Scan# 11

Delta R.T. 0.112 min

Lab File: VN086973.D

Acq: 12 Jun 2025 13:38

Instrument :

MSVOA_N

ClientSampleId :

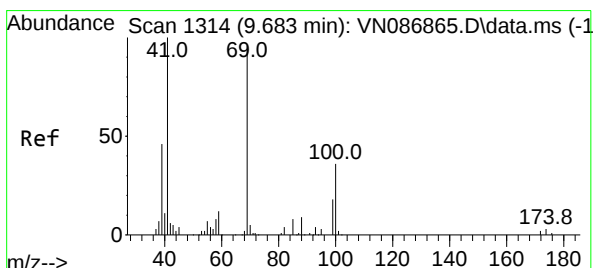
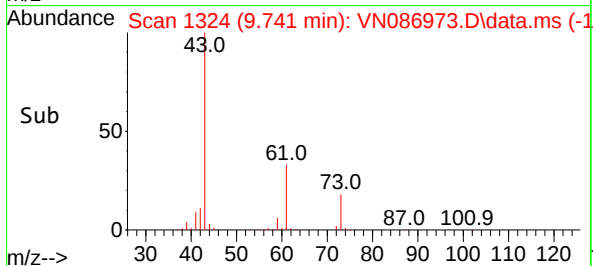
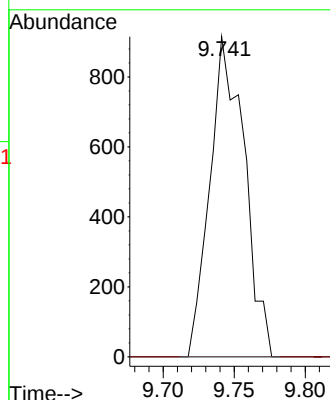
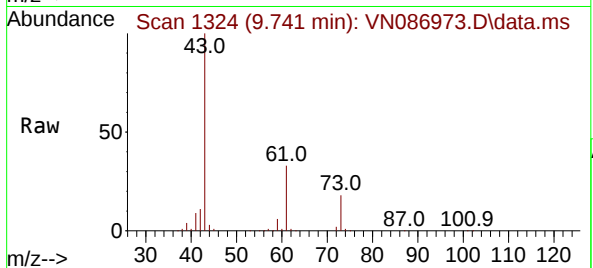
TP12-MHK-WC

Tgt Ion: 63 Resp: 1546

Ion Ratio Lower Upper

63 100

65 0.0 25.5 38.3#



#48

Methyl methacrylate

Concen: 18.682 ug/l

RT: 9.747 min Scan# 1325

Delta R.T. 0.064 min

Lab File: VN086973.D

Acq: 12 Jun 2025 13:38

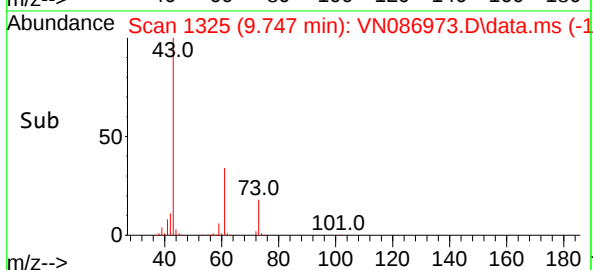
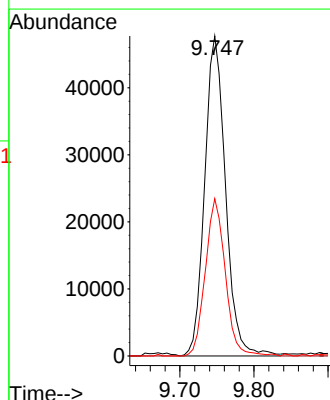
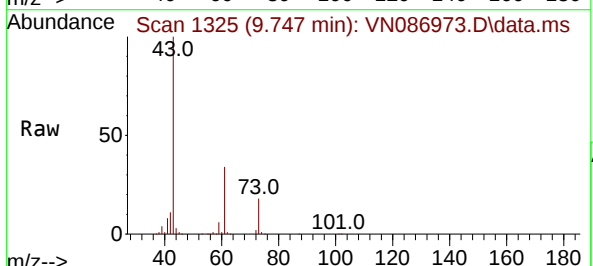
Tgt Ion: 41 Resp: 93311

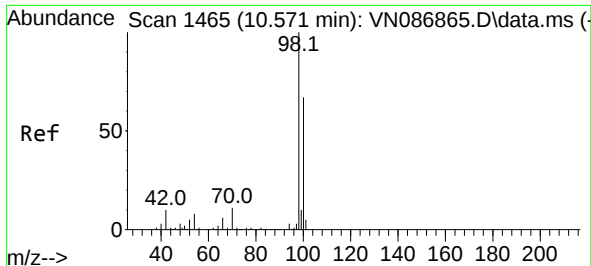
Ion Ratio Lower Upper

41 100

69 0.0 74.6 112.0#

39 47.1 40.2 60.4

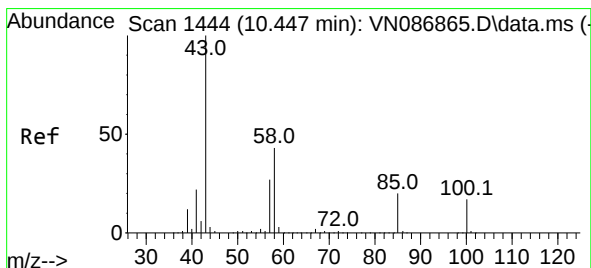
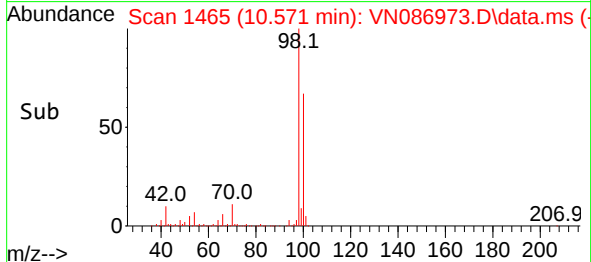
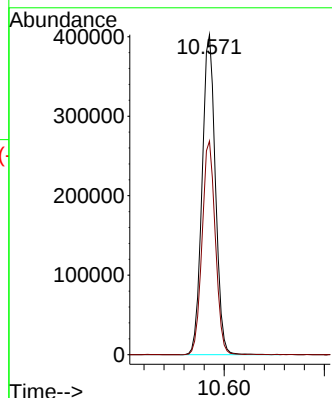
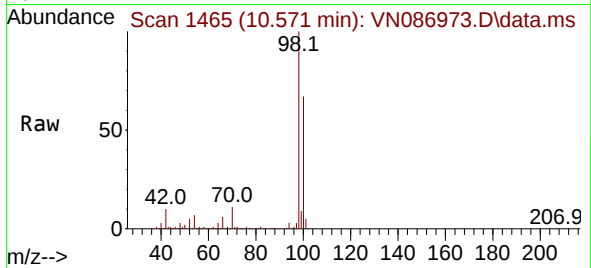




#50
Toluene-d8
Concen: 52.497 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN086973.D
Acq: 12 Jun 2025 13:38

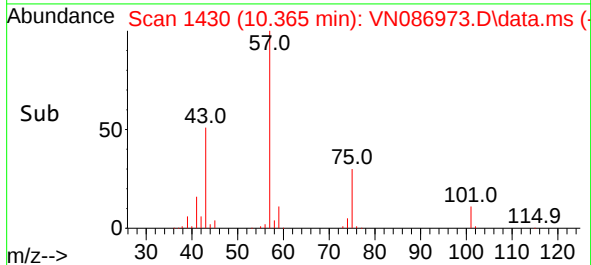
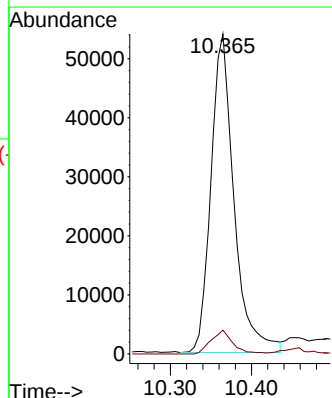
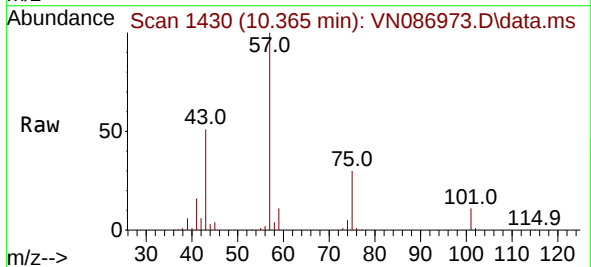
Instrument :
MSVOA_N
ClientSampleId :
TP12-MHK-WC

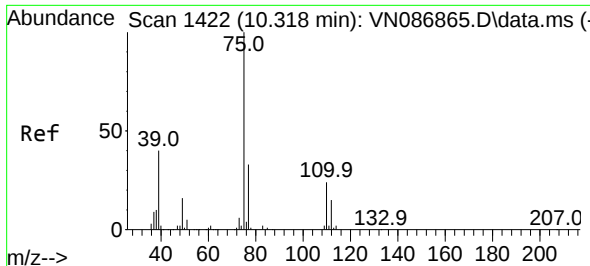
Tgt Ion: 98 Resp: 740754
Ion Ratio Lower Upper
98 100
100 66.6 53.4 80.0



#51
4-Methyl-2-Pentanone
Concen: 16.293 ug/l
RT: 10.365 min Scan# 1430
Delta R.T. -0.083 min
Lab File: VN086973.D
Acq: 12 Jun 2025 13:38

Tgt Ion: 43 Resp: 106441
Ion Ratio Lower Upper
43 100
58 7.1 34.2 51.4#

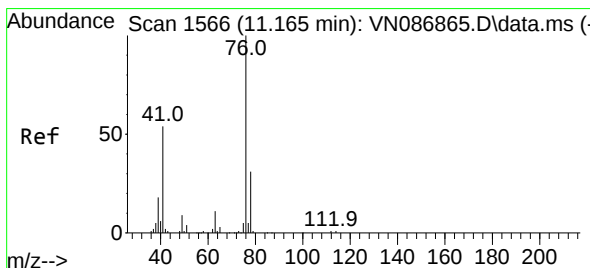
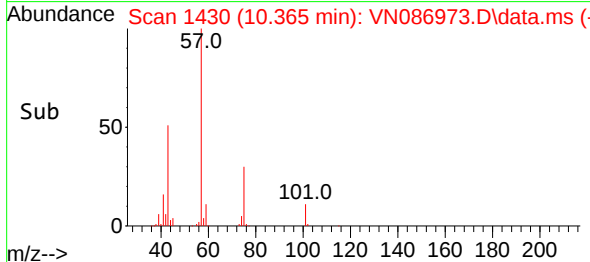
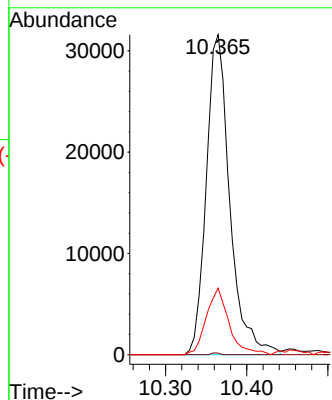
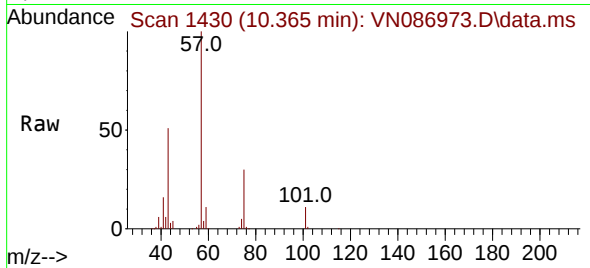




#54
 cis-1,3-Dichloropropene
 Concen: 9.194 ug/l
 RT: 10.365 min Scan# 1422
 Delta R.T. 0.047 min
 Lab File: VN086973.D
 Acq: 12 Jun 2025 13:38

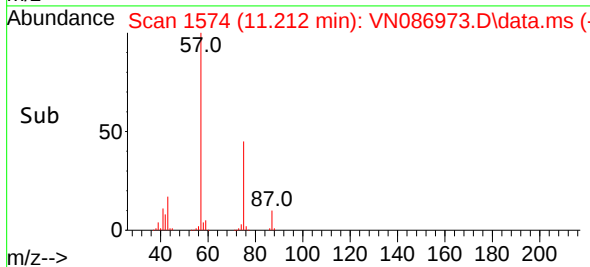
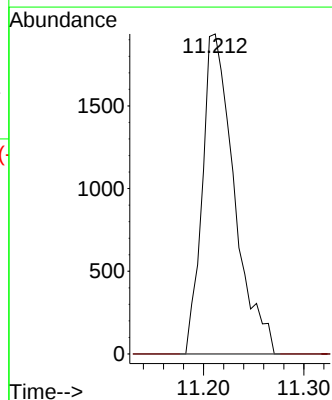
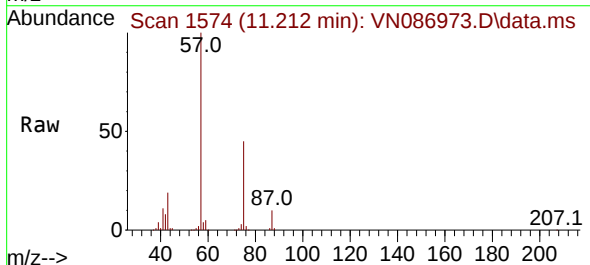
Instrument :
 MSVOA_N
 ClientSampleId :
 TP12-MHK-WC

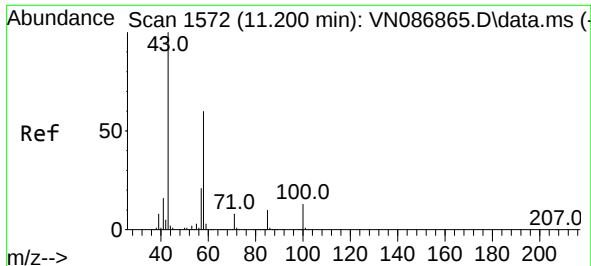
Tgt Ion: 75 Resp: 63521
 Ion Ratio Lower Upper
 75 100
 77 0.5 26.2 39.4#
 39 20.8 32.3 48.5#



#57
 1,3-Dichloropropane
 Concen: 0.603 ug/l
 RT: 11.212 min Scan# 1574
 Delta R.T. 0.047 min
 Lab File: VN086973.D
 Acq: 12 Jun 2025 13:38

Tgt Ion: 76 Resp: 4275
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.3 37.9#

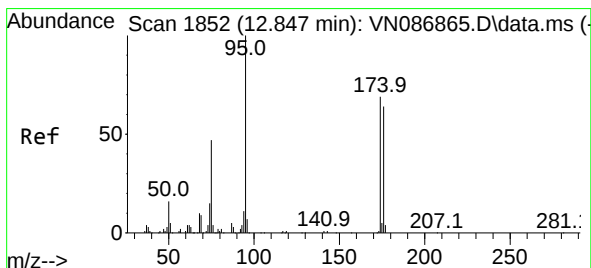
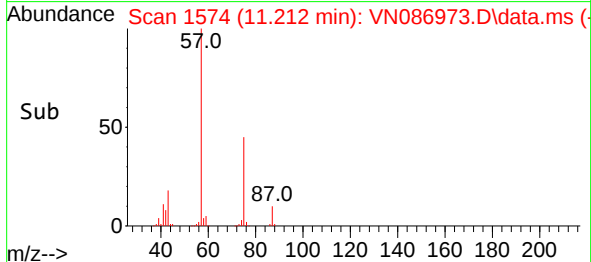
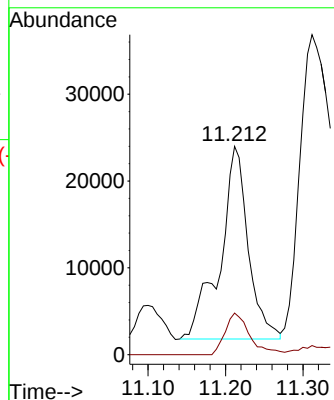
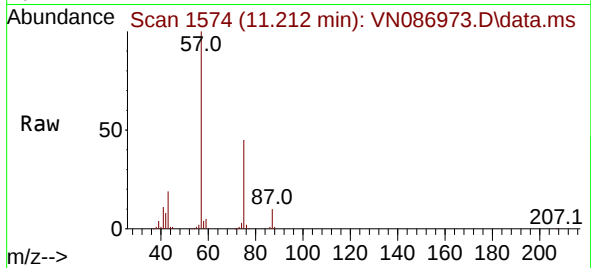




#59
2-Hexanone
Concen: 13.392 ug/l
RT: 11.212 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN086973.D
Acq: 12 Jun 2025 13:38

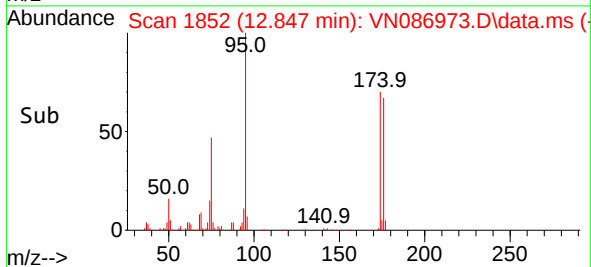
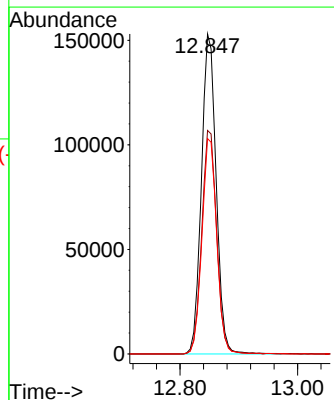
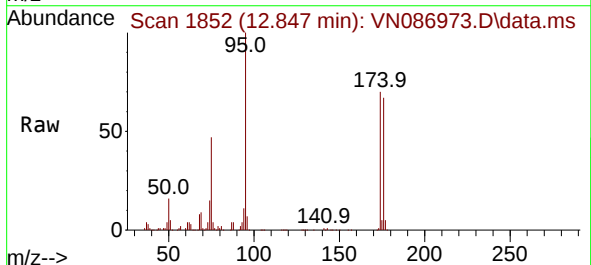
Instrument :
MSVOA_N
ClientSampleId :
TP12-MHK-WC

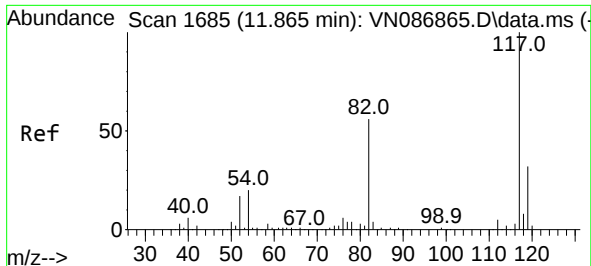
Tgt Ion: 43 Resp: 56353
Ion Ratio Lower Upper
43 100
58 18.9 30.4 91.3#



#62
4-Bromofluorobenzene
Concen: 50.908 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086973.D
Acq: 12 Jun 2025 13:38

Tgt Ion: 95 Resp: 266883
Ion Ratio Lower Upper
95 100
174 70.7 0.0 141.8
176 67.6 0.0 132.6

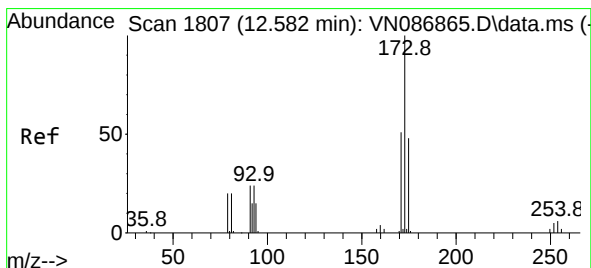
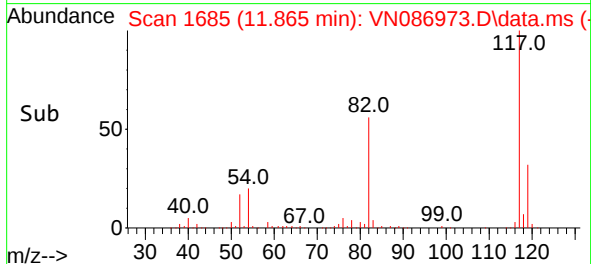
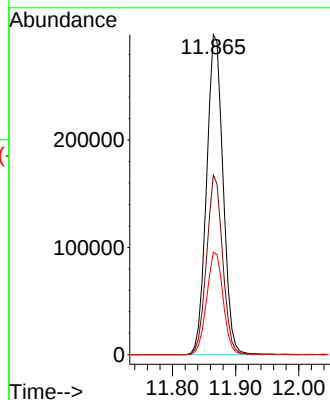
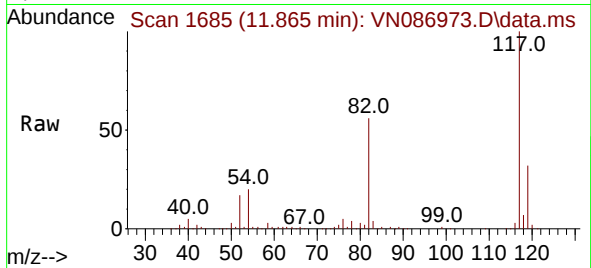




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN086973.D
Acq: 12 Jun 2025 13:38

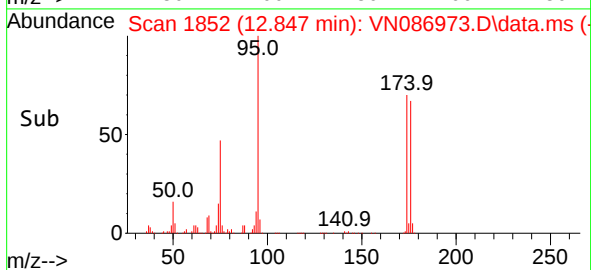
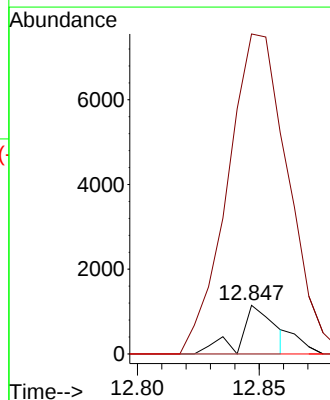
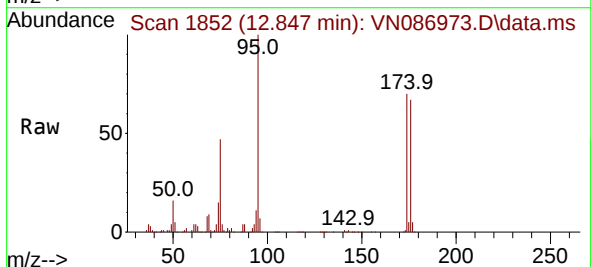
Instrument :
MSVOA_N
ClientSampleId :
TP12-MHK-WC

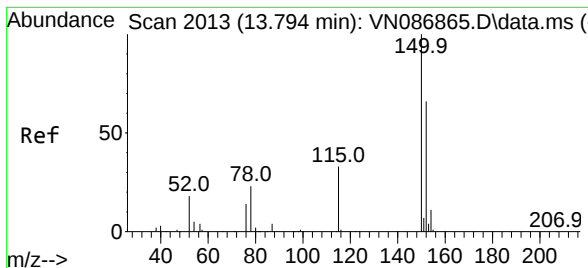
Tgt Ion:117 Resp: 542008
Ion Ratio Lower Upper
117 100
82 56.1 44.6 67.0
119 32.0 25.5 38.3



#71
Bromoform
Concen: 0.395 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.264 min
Lab File: VN086973.D
Acq: 12 Jun 2025 13:38

Tgt Ion:173 Resp: 1126
Ion Ratio Lower Upper
173 100
175 988.0 24.1 72.4#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. -0.000 min

Lab File: VN086973.D

Acq: 12 Jun 2025 13:38

Instrument :

MSVOA_N

ClientSampleId :

TP12-MHK-WC

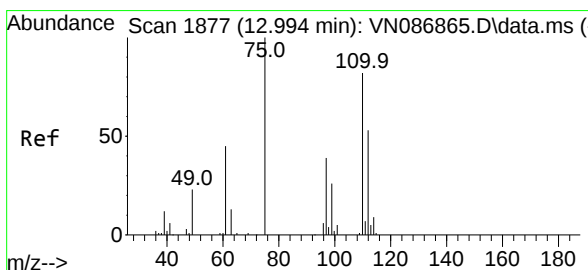
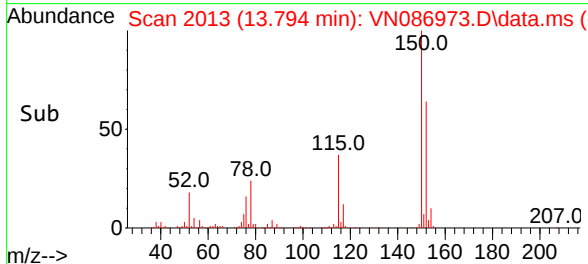
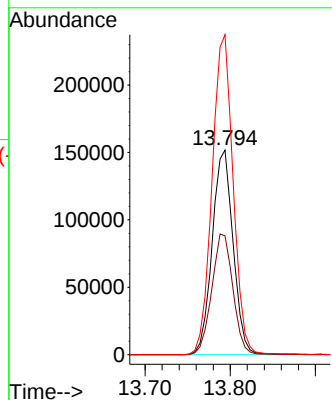
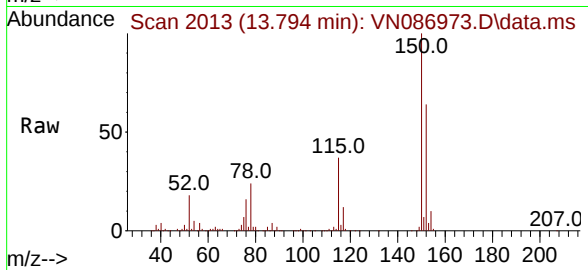
Tgt Ion:152 Resp: 259216

Ion Ratio Lower Upper

152 100

115 59.8 30.1 90.5

150 157.5 0.0 345.0



#76

1,2,3-Trichloropropane

Concen: 19.862 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN086973.D

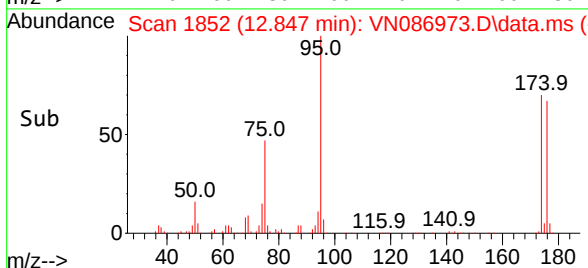
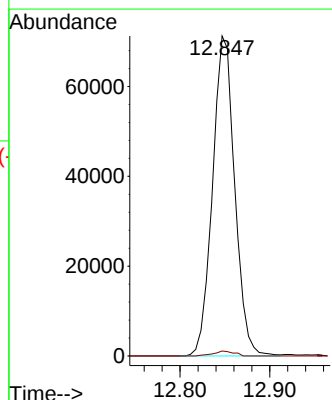
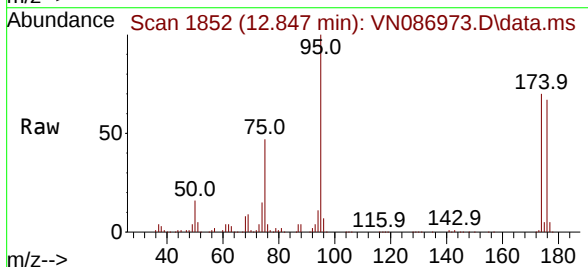
Acq: 12 Jun 2025 13:38

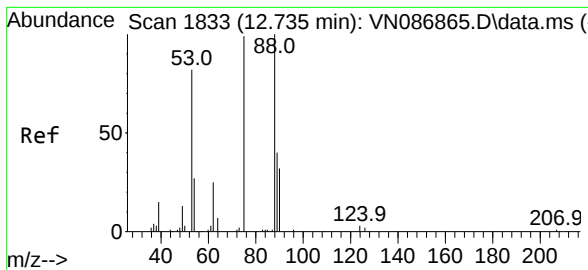
Tgt Ion: 75 Resp: 122381

Ion Ratio Lower Upper

75 100

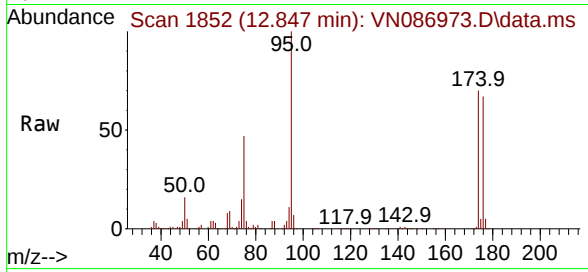
77 1.4 79.3 237.9#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 45.721 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN086973.D
 Acq: 12 Jun 2025 13:38

Instrument :
 MSVOA_N
 ClientSampleId :
 TP12-MHK-WC



Tgt Ion: 75 Resp: 122381
 Ion Ratio Lower Upper
 75 100
 53 0.0 66.6 99.8#
 89 0.1 36.7 55.1#

