

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051925\
 Data File : VN086701.D
 Acq On : 19 May 2025 19:54
 Operator : JC\MD
 Sample : PB168034ZHE#18
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB168034ZHE#18

Quant Time: May 20 03:24:31 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)

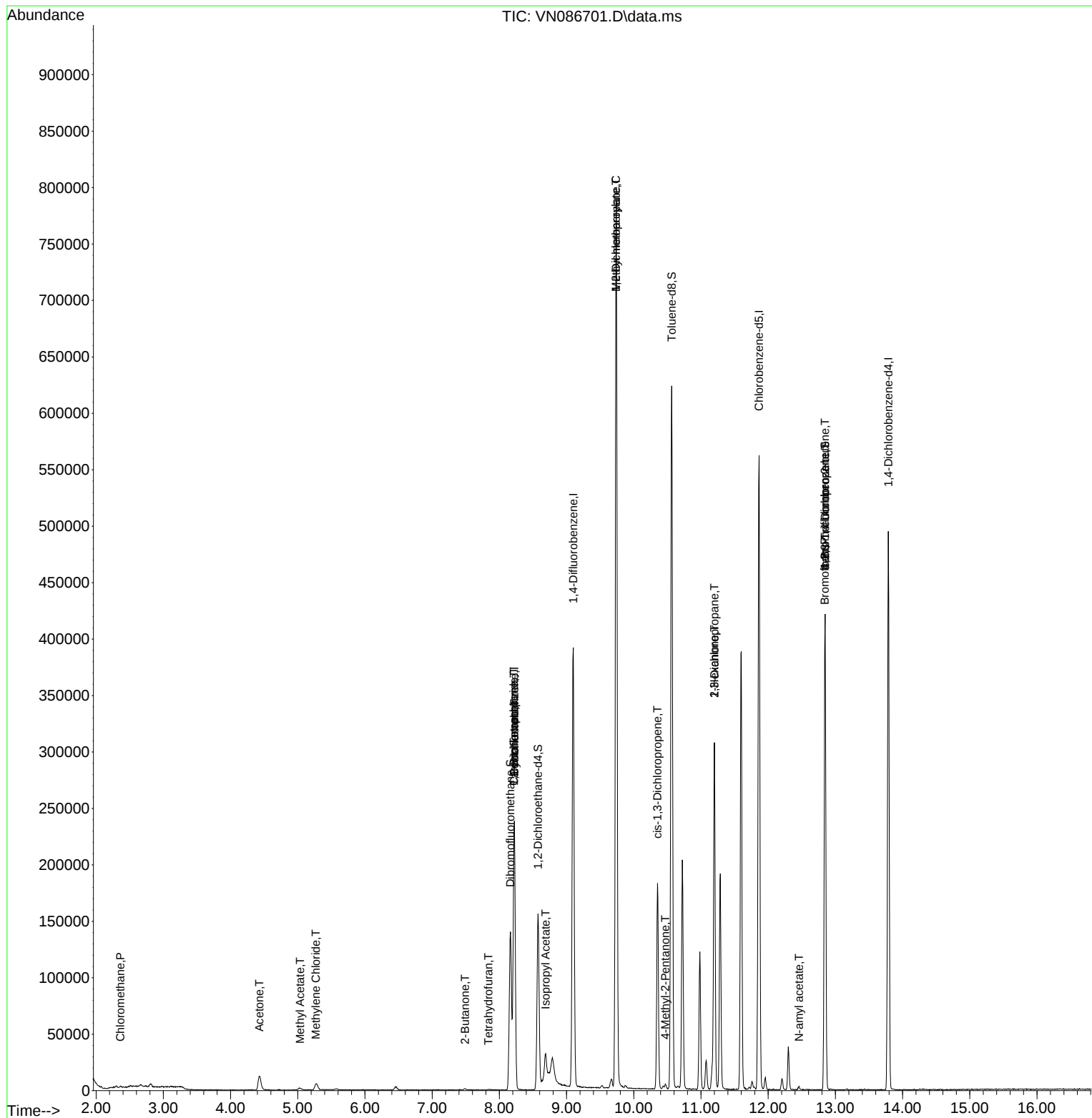
Internal Standards						
1) Pentafluorobenzene	8.224	168	176064	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	349497	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	338582	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	136104	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	126192	51.869	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 103.740%	
35) Dibromofluoromethane	8.165	113	107522	51.658	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 103.320%	
50) Toluene-d8	10.565	98	453898	52.623	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 105.240%	
62) 4-Bromofluorobenzene	12.847	95	157312	51.652	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 103.300%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	740	0.257	ug/l	89
16) Acetone	4.430	43	25267	27.764	ug/l	98
18) Methyl Acetate	5.036	43	3736	1.467	ug/l	98
20) Methylene Chloride	5.271	84	4913	2.046	ug/l	94
25) 2-Butanone	7.488	43	2469	1.756	ug/l	92
29) Tetrahydrofuran	7.835	42	603	0.657	ug/l #	30
31) Cyclohexane	8.224	56	3684	1.009	ug/l #	1
36) 1,1-Dichloropropene	8.218	75	14059	4.579	ug/l #	49
38) Carbon Tetrachloride	8.218	117	17817	5.890	ug/l #	18
43) Isopropyl Acetate	8.688	43	52186	8.394	ug/l #	71
45) 1,2-Dichloropropane	9.735	63	925	0.389	ug/l #	42
48) Methyl methacrylate	9.735	41	69133	28.696	ug/l #	36
51) 4-Methyl-2-Pentanone	10.471	43	5861	1.869	ug/l #	33
54) cis-1,3-Dichloropropene	10.353	75	34987	9.151	ug/l #	60
57) 1,3-Dichloropropane	11.200	76	3250	0.812	ug/l #	42
59) 2-Hexanone	11.200	43	56533	24.692	ug/l #	41
71) Bromoform	12.841	173	586	0.344	ug/l #	1
74) N-amyl acetate	12.459	43	2502	0.570	ug/l #	39
76) 1,2,3-Trichloropropane	12.847	75	78192	25.403	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	78192	64.107	ug/l #	15

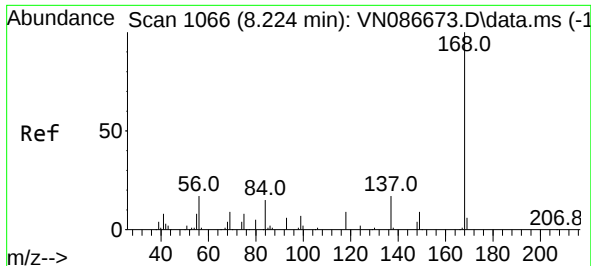
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat May 17 00:46:13 2025
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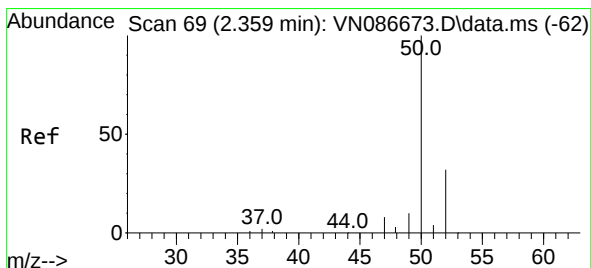
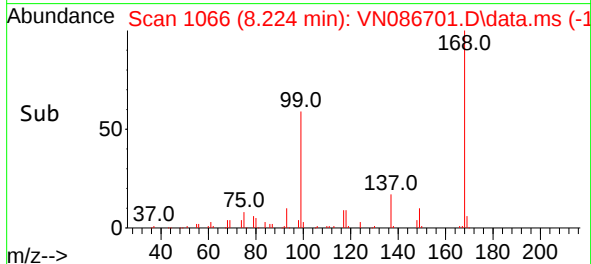
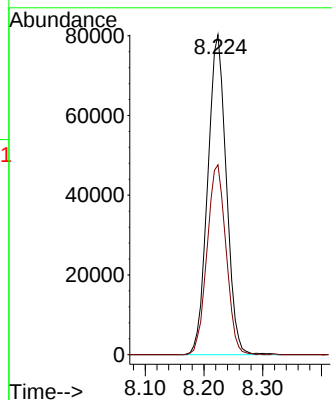
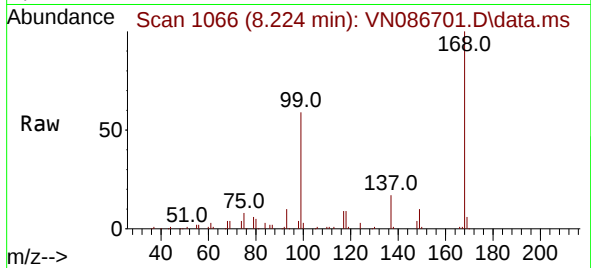




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN086701.D
Acq: 19 May 2025 19:54

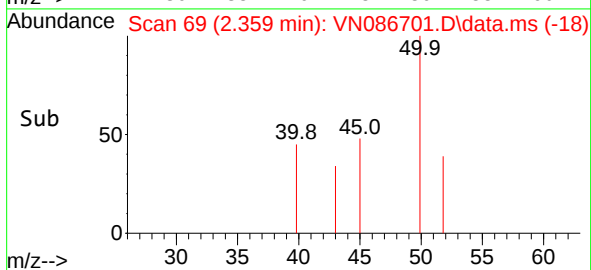
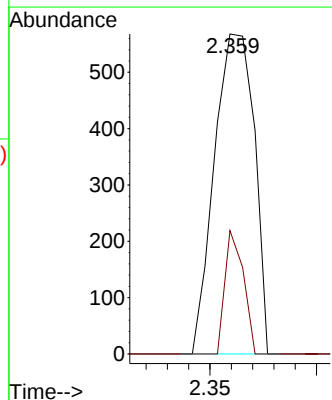
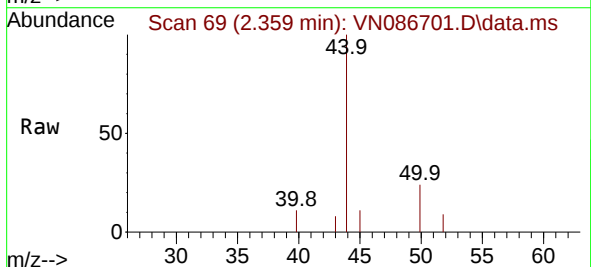
Instrument :
MSVOA_N
ClientSampleId :
PB168034ZHE#18

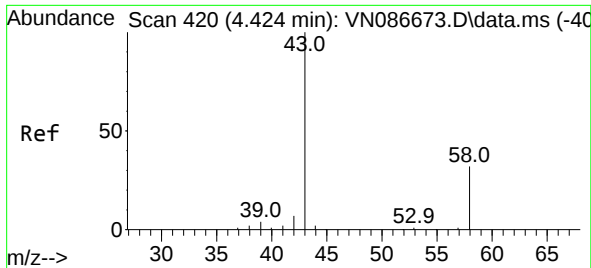
Tgt Ion:168 Resp: 176064
Ion Ratio Lower Upper
168 100
99 59.3 47.0 70.4



#3
Chloromethane
Concen: 0.257 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN086701.D
Acq: 19 May 2025 19:54

Tgt Ion: 50 Resp: 740
Ion Ratio Lower Upper
50 100
52 38.6 25.9 38.9





#16

Acetone

Concen: 27.764 ug/l

RT: 4.430 min Scan# 41

Delta R.T. 0.006 min

Lab File: VN086701.D

Acq: 19 May 2025 19:54

Instrument :

MSVOA_N

ClientSampleId :

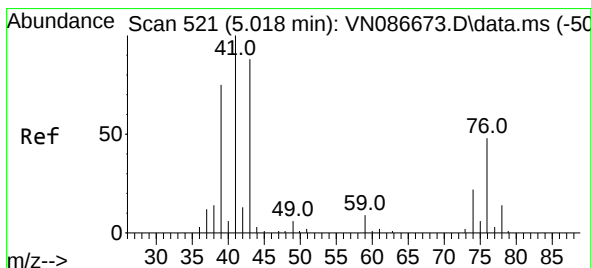
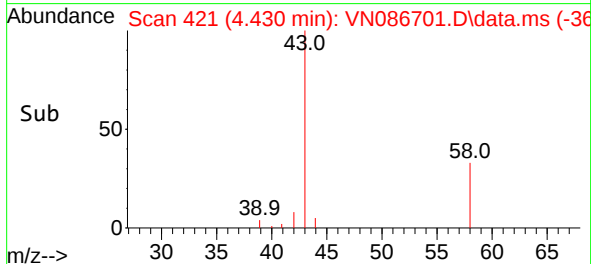
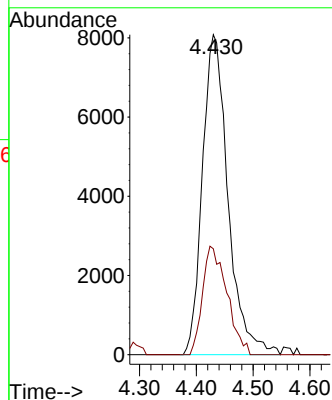
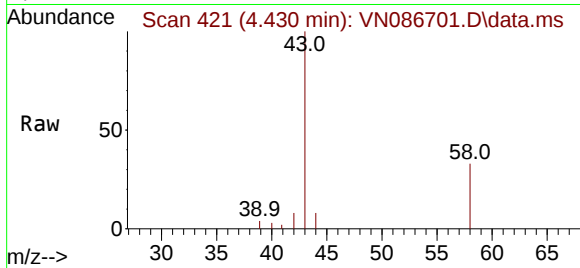
PB168034ZHE#18

Tgt Ion: 43 Resp: 25267

Ion Ratio Lower Upper

43 100

58 33.1 25.8 38.6



#18

Methyl Acetate

Concen: 1.467 ug/l

RT: 5.036 min Scan# 524

Delta R.T. 0.018 min

Lab File: VN086701.D

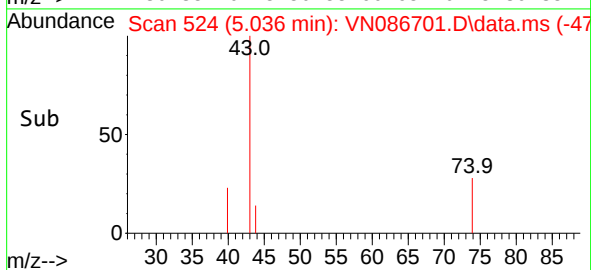
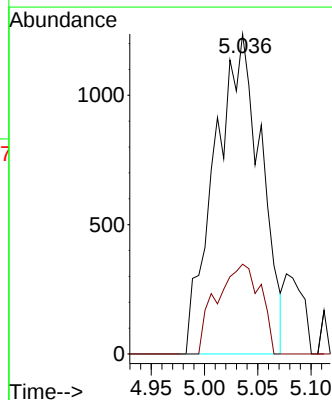
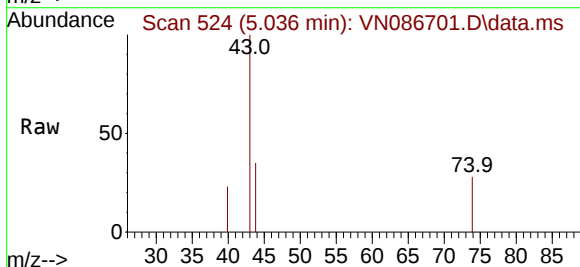
Acq: 19 May 2025 19:54

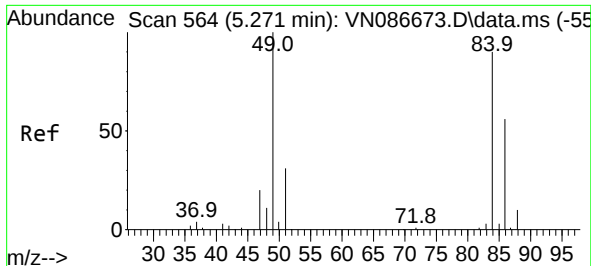
Tgt Ion: 43 Resp: 3736

Ion Ratio Lower Upper

43 100

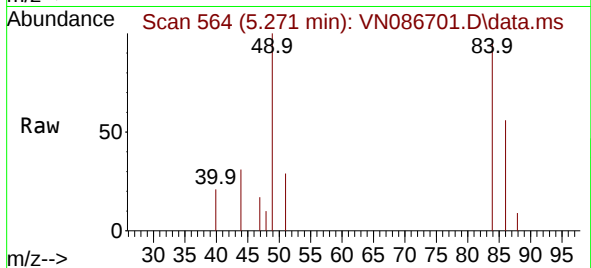
74 26.5 20.5 30.7



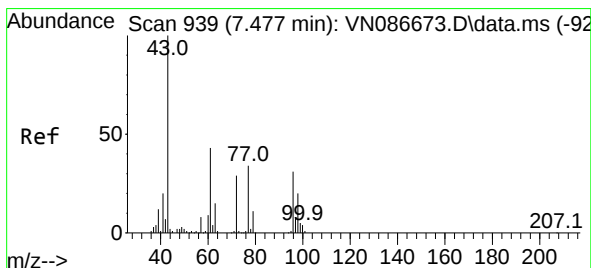
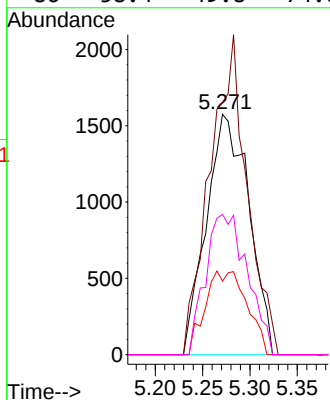
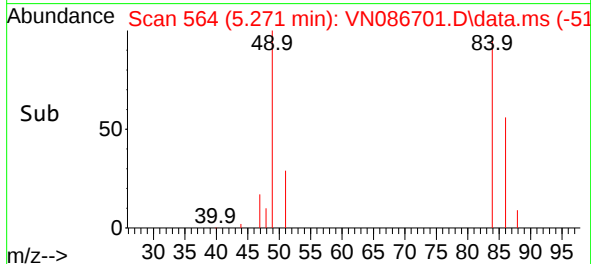


#20
Methylene Chloride
Concen: 2.046 ug/l
RT: 5.271 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN086701.D
Acq: 19 May 2025 19:54

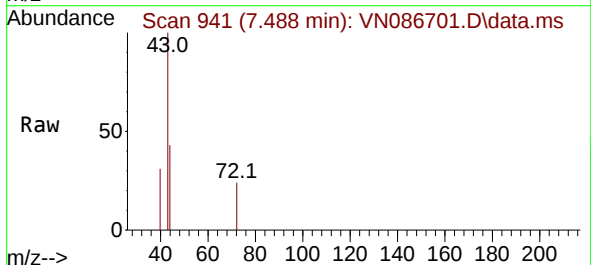
Instrument :
MSVOA_N
ClientSampleId :
PB168034ZHE#18



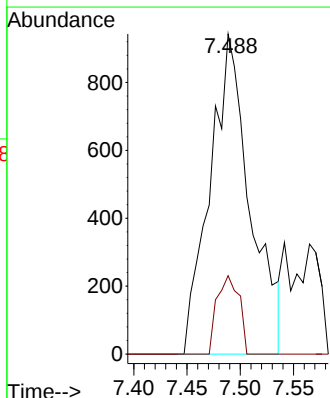
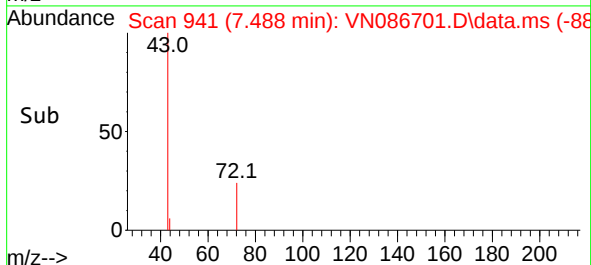
Tgt Ion: 84	Resp: 4913
Ion Ratio	Lower Upper
84 100	
49 105.0	88.8 133.2
51 30.6	27.8 41.6
86 58.4	49.8 74.6

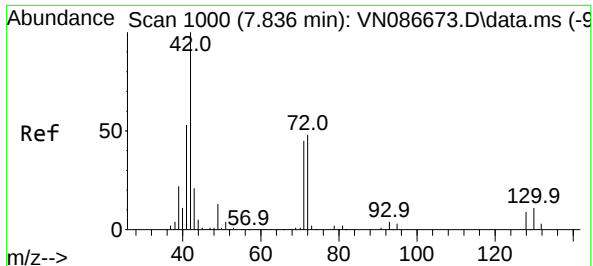


#25
2-Butanone
Concen: 1.756 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.012 min
Lab File: VN086701.D
Acq: 19 May 2025 19:54



Tgt Ion: 43	Resp: 2469
Ion Ratio	Lower Upper
43 100	
72 24.5	23.1 34.7





#29

Tetrahydrofuran

Concen: 0.657 ug/l

RT: 7.835 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN086701.D

Acq: 19 May 2025 19:54

Instrument :

MSVOA_N

ClientSampleId :

PB168034ZHE#18

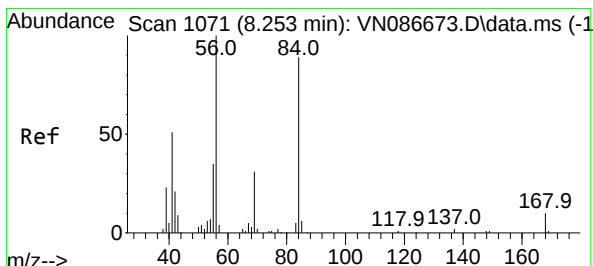
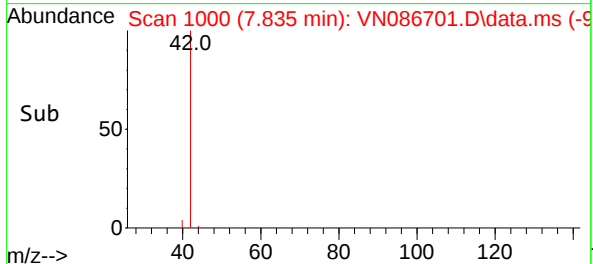
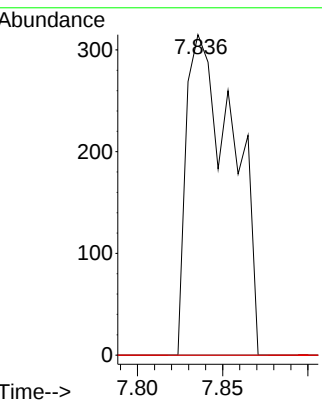
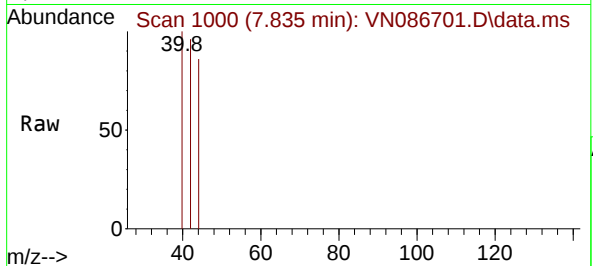
Tgt Ion: 42 Resp: 603

Ion Ratio Lower Upper

42 100

72 0.0 38.7 58.1#

71 0.0 36.2 54.4#



#31

Cyclohexane

Concen: 1.009 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.029 min

Lab File: VN086701.D

Acq: 19 May 2025 19:54

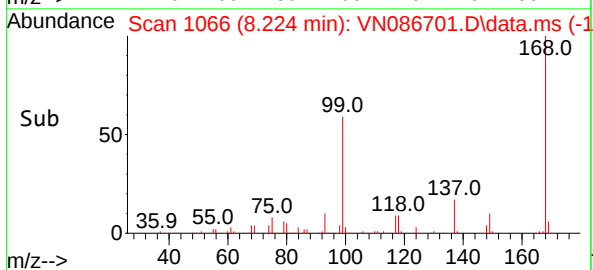
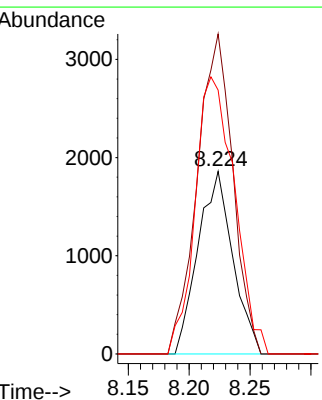
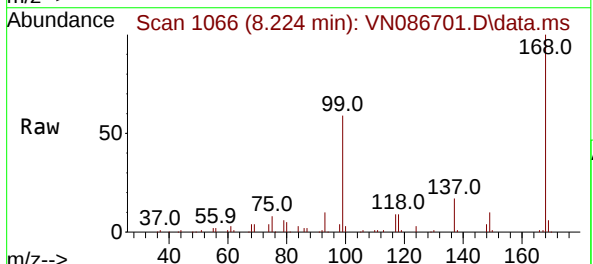
Tgt Ion: 56 Resp: 3684

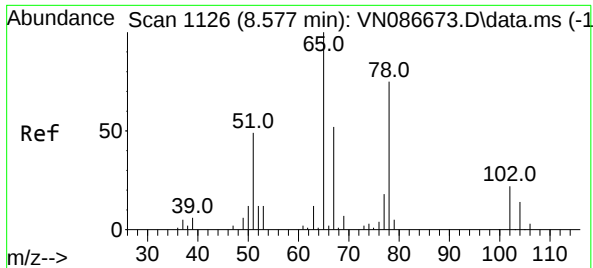
Ion Ratio Lower Upper

56 100

69 175.2 25.0 37.6#

84 144.5 71.0 106.4#

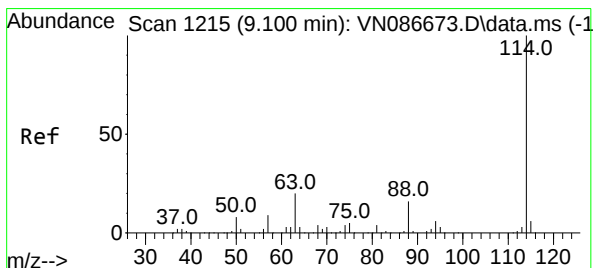
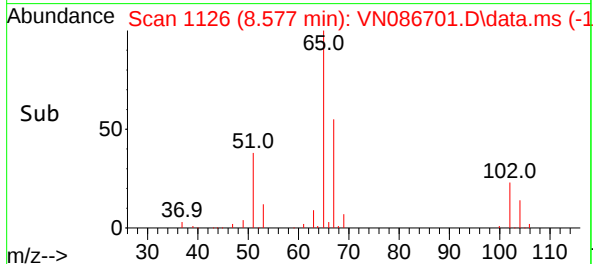
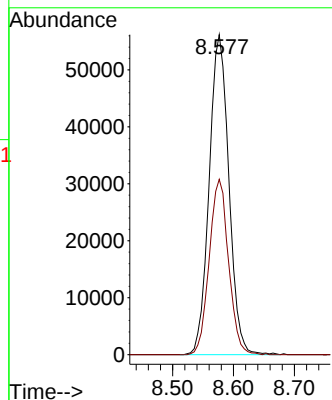
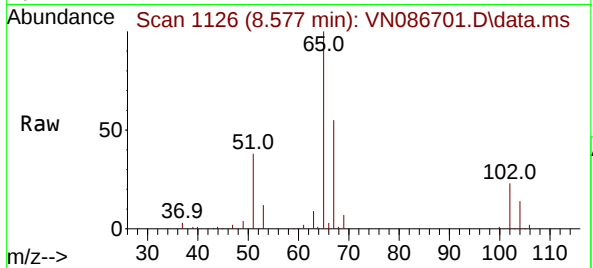




#33
 1,2-Dichloroethane-d4
 Concen: 51.869 ug/l
 RT: 8.577 min Scan# 1126
 Delta R.T. -0.000 min
 Lab File: VN086701.D
 Acq: 19 May 2025 19:54

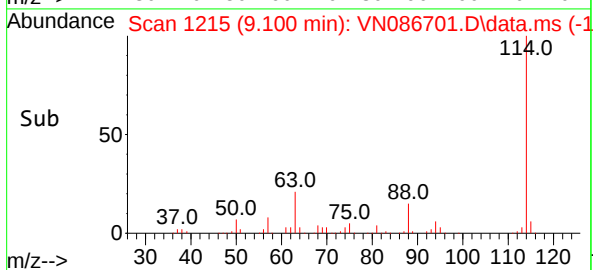
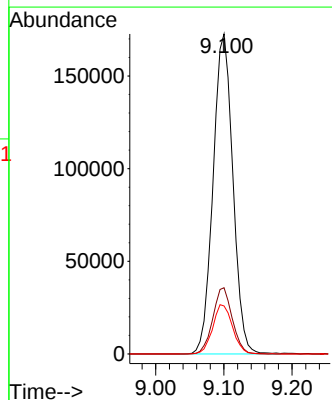
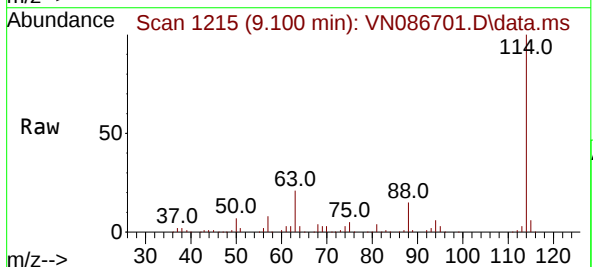
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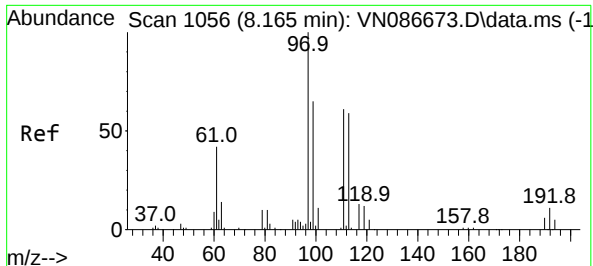
Tgt Ion: 65 Resp: 126192
 Ion Ratio Lower Upper
 65 100
 67 53.7 0.0 106.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.100 min Scan# 1215
 Delta R.T. -0.000 min
 Lab File: VN086701.D
 Acq: 19 May 2025 19:54

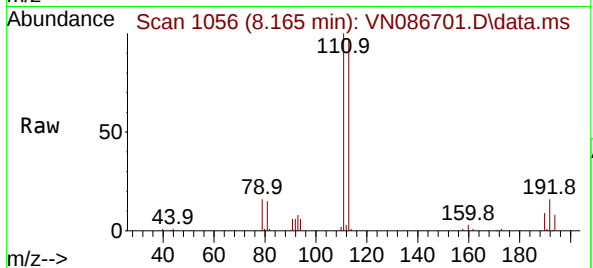
Tgt Ion: 114 Resp: 349497
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 40.2
 88 15.0 0.0 31.2



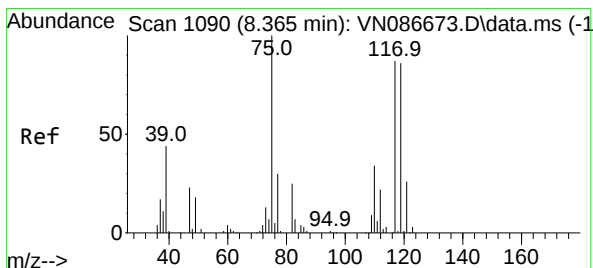
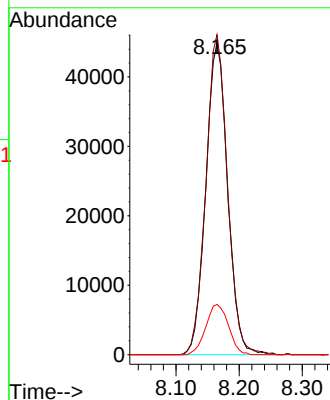
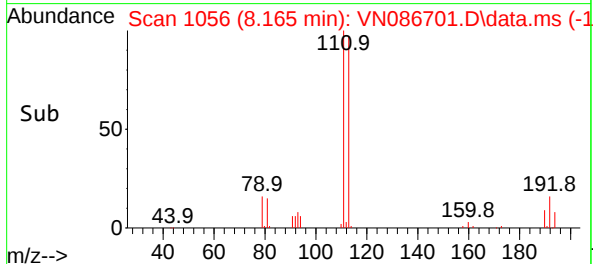


#35
Dibromofluoromethane
Concen: 51.658 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN086701.D
Acq: 19 May 2025 19:54

Instrument :
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ClientSampleId :
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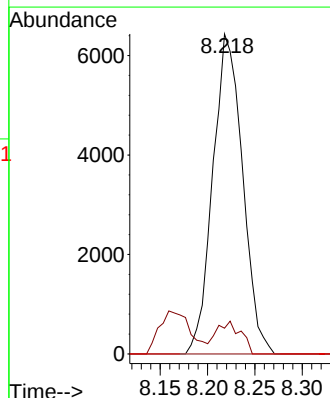
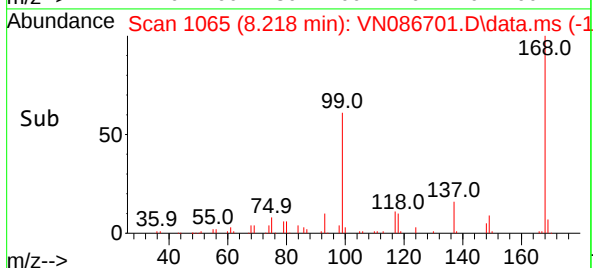
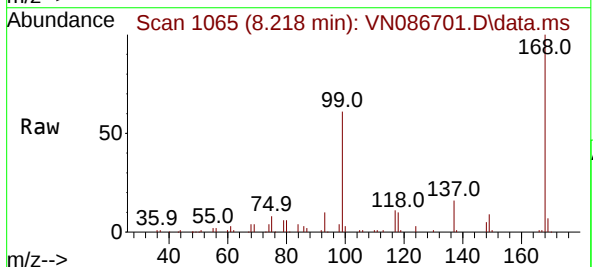


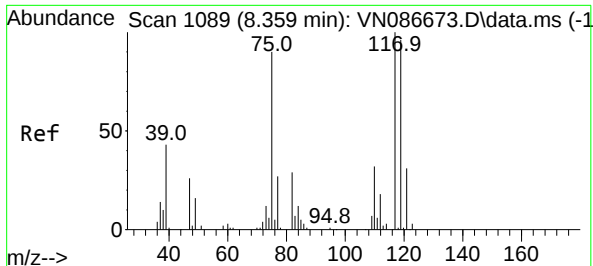
Tgt Ion:113 Resp: 107522
Ion Ratio Lower Upper
113 100
111 101.9 82.2 123.2
192 16.8 13.8 20.8



#36
1,1-Dichloropropene
Concen: 4.579 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.147 min
Lab File: VN086701.D
Acq: 19 May 2025 19:54

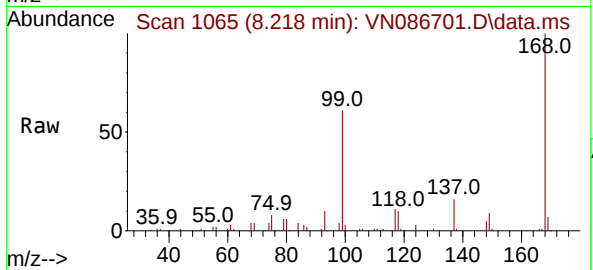
Tgt Ion: 75 Resp: 14059
Ion Ratio Lower Upper
75 100
110 8.3 17.5 52.5#
77 0.0 25.1 37.7#



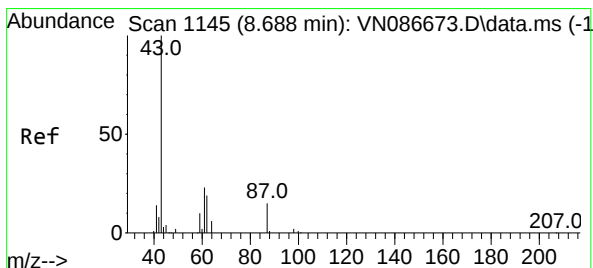
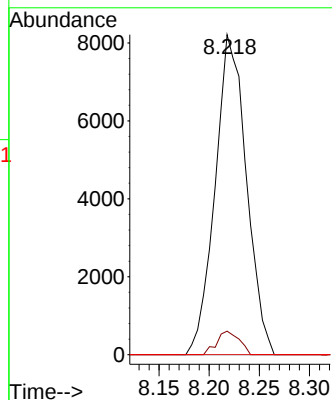
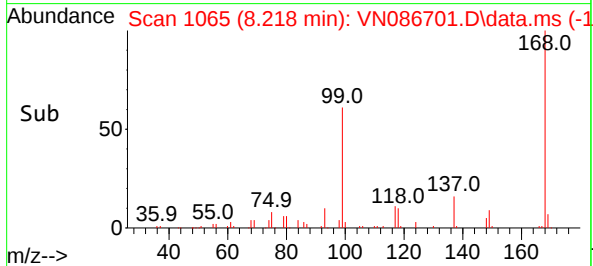


#38
Carbon Tetrachloride
Concen: 5.890 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.141 min
Lab File: VN086701.D
Acq: 19 May 2025 19:54

Instrument :
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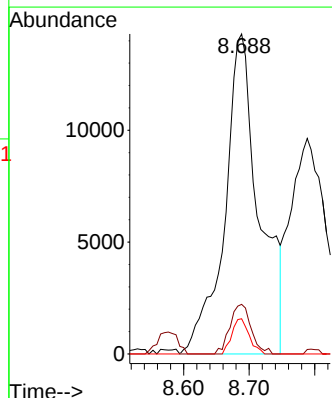
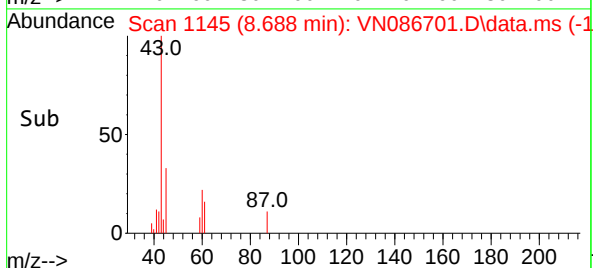
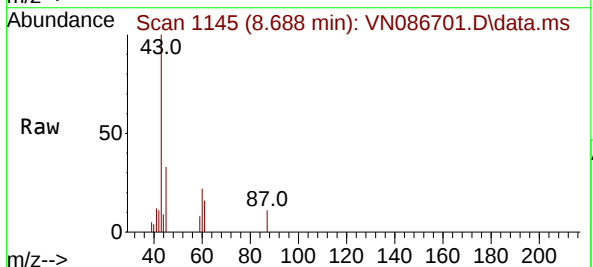


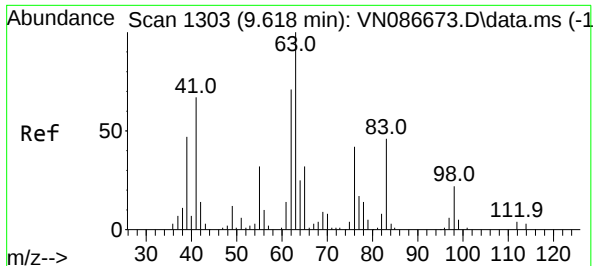
Tgt Ion: 117 Resp: 17817
Ion Ratio Lower Upper
117 100
119 7.4 77.0 115.6#
121 0.0 25.0 37.6#



#43
Isopropyl Acetate
Concen: 8.394 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. -0.000 min
Lab File: VN086701.D
Acq: 19 May 2025 19:54

Tgt Ion: 43 Resp: 52186
Ion Ratio Lower Upper
43 100
61 9.6 21.4 32.2#
87 5.5 11.1 16.7#





#45

1,2-Dichloropropane

Concen: 0.389 ug/l

RT: 9.735 min Scan# 1323

Delta R.T. 0.118 min

Lab File: VN086701.D

Acq: 19 May 2025 19:54

Instrument :

MSVOA_N

ClientSampleId :

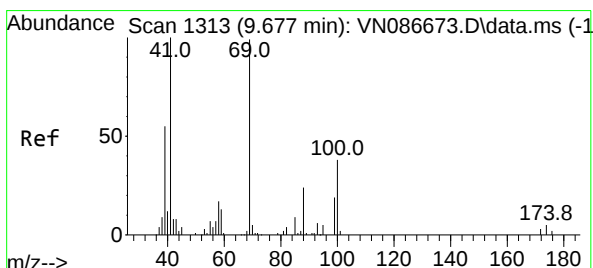
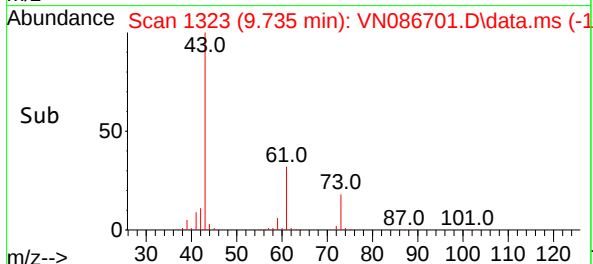
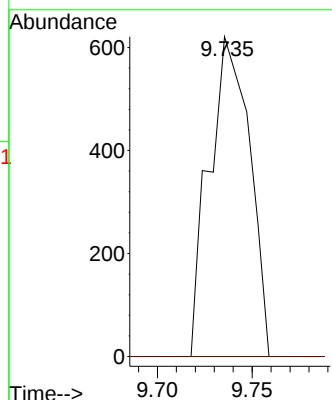
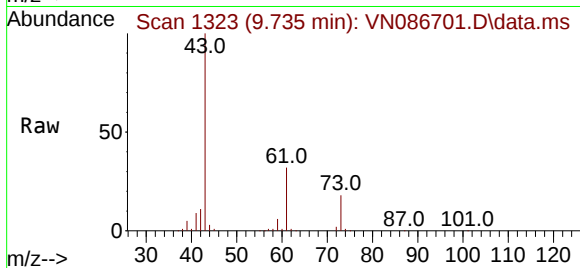
PB168034ZHE#18

Tgt Ion: 63 Resp: 925

Ion Ratio Lower Upper

63 100

65 0.0 25.8 38.6#



#48

Methyl methacrylate

Concen: 28.696 ug/l

RT: 9.735 min Scan# 1323

Delta R.T. 0.059 min

Lab File: VN086701.D

Acq: 19 May 2025 19:54

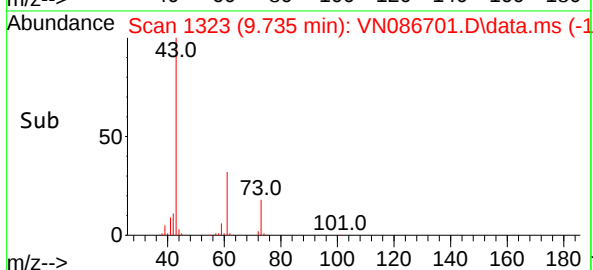
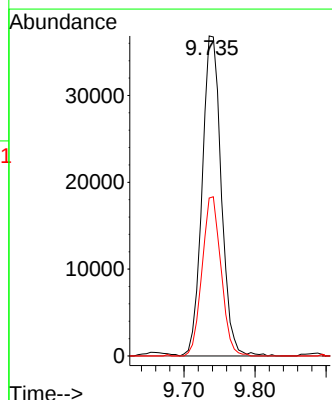
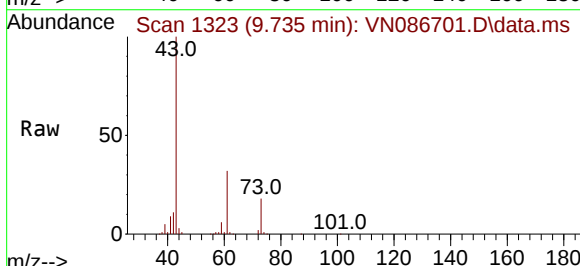
Tgt Ion: 41 Resp: 69133

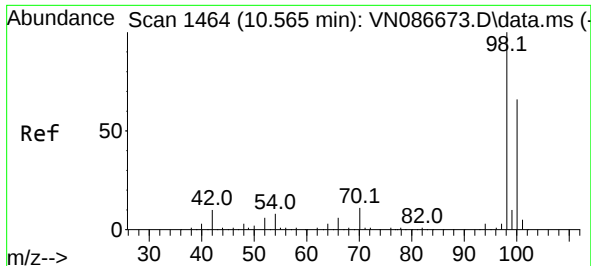
Ion Ratio Lower Upper

41 100

69 0.0 74.1 111.1#

39 49.3 44.1 66.1

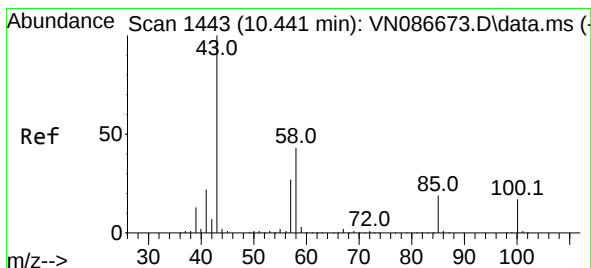
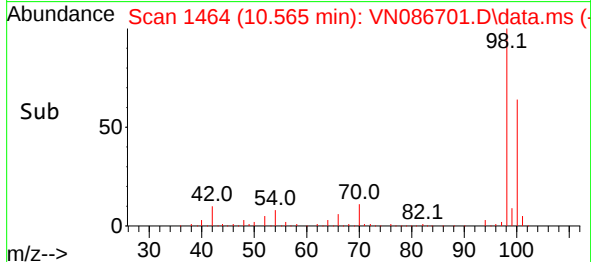
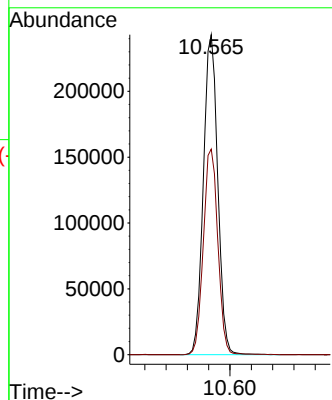
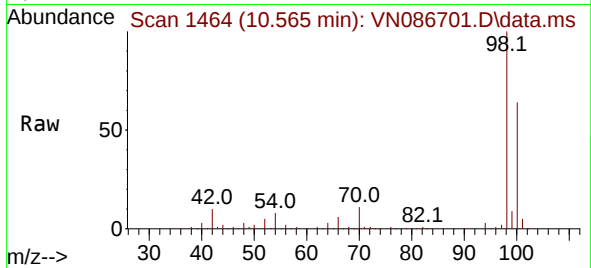




#50
Toluene-d8
Concen: 52.623 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN086701.D
Acq: 19 May 2025 19:54

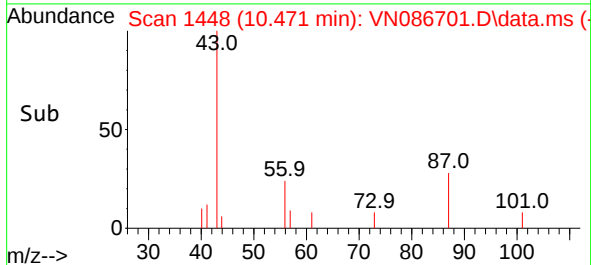
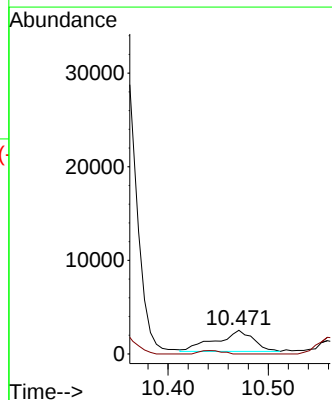
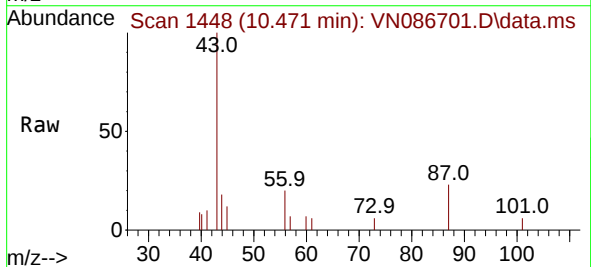
Instrument :
MSVOA_N
ClientSampleId :
PB168034ZHE#18

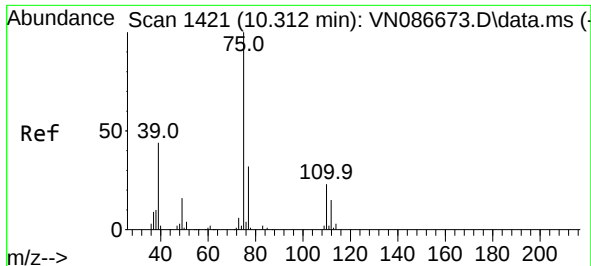
Tgt Ion: 98 Resp: 453898
Ion Ratio Lower Upper
98 100
100 64.8 52.9 79.3



#51
4-Methyl-2-Pentanone
Concen: 1.869 ug/l
RT: 10.471 min Scan# 1448
Delta R.T. 0.029 min
Lab File: VN086701.D
Acq: 19 May 2025 19:54

Tgt Ion: 43 Resp: 5861
Ion Ratio Lower Upper
43 100
58 0.0 33.9 50.9#

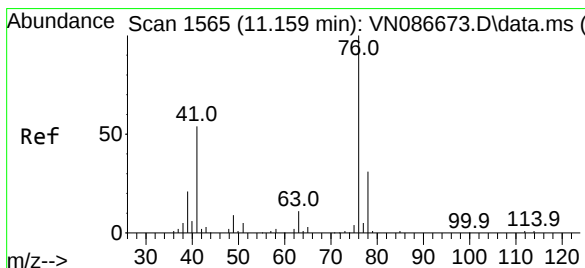
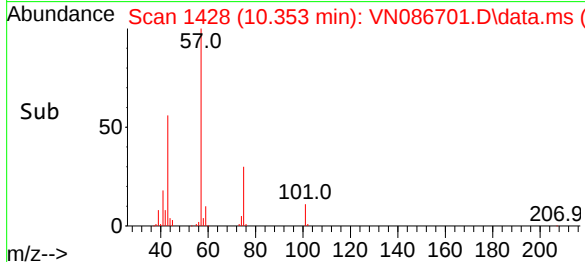
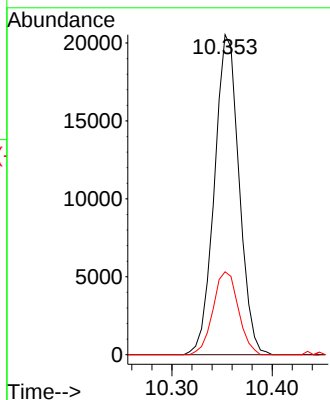
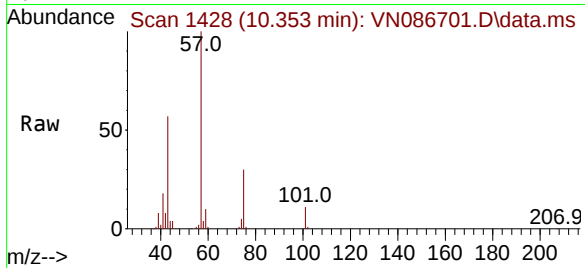




#54
cis-1,3-Dichloropropene
Concen: 9.151 ug/l
RT: 10.353 min Scan# 1428
Delta R.T. 0.041 min
Lab File: VN086701.D
Acq: 19 May 2025 19:54

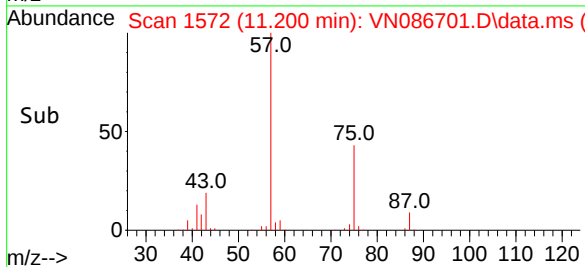
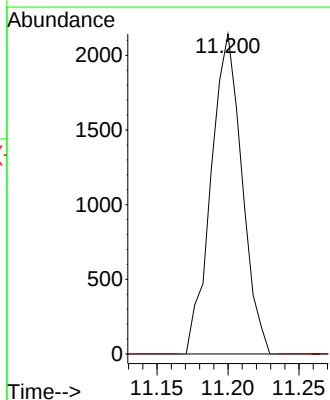
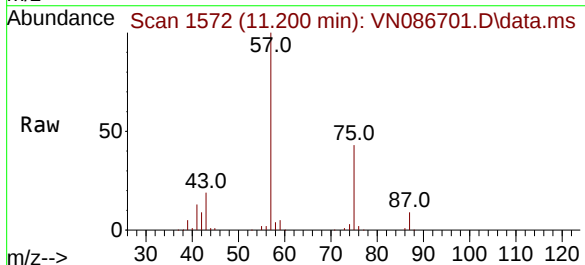
Instrument :
MSVOA_N
ClientSampleId :
PB168034ZHE#18

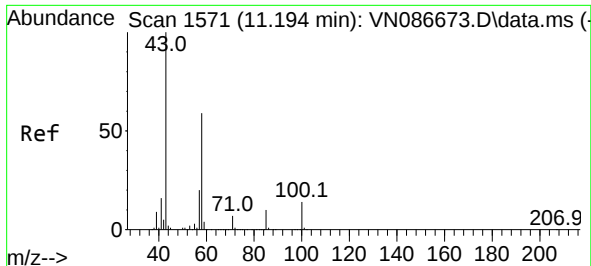
Tgt Ion	Ratio	Lower	Upper
75	100		
77	0.0	25.3	37.9#
39	25.9	35.2	52.8#



#57
1,3-Dichloropropane
Concen: 0.812 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.041 min
Lab File: VN086701.D
Acq: 19 May 2025 19:54

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

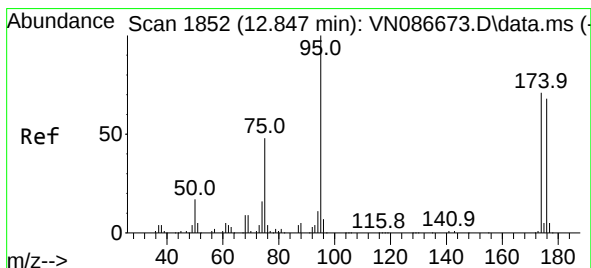
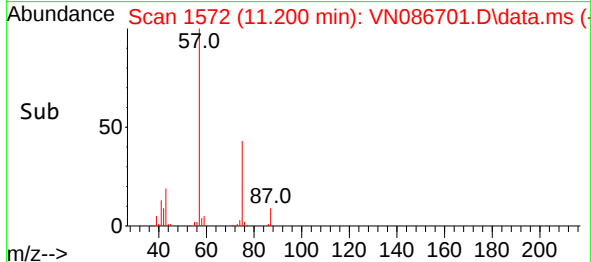
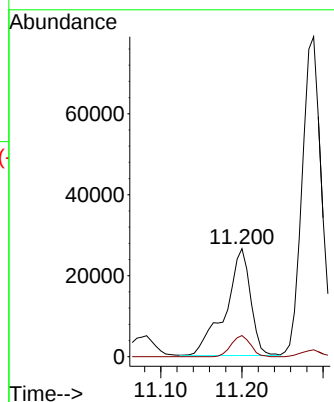
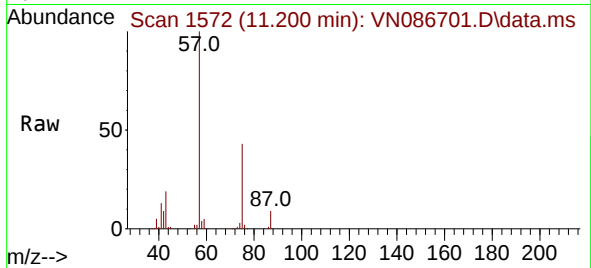




#59
2-Hexanone
Concen: 24.692 ug/l
RT: 11.200 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN086701.D
Acq: 19 May 2025 19:54

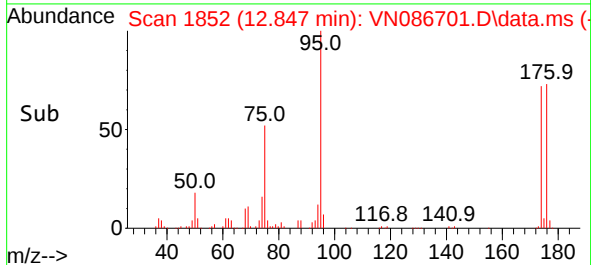
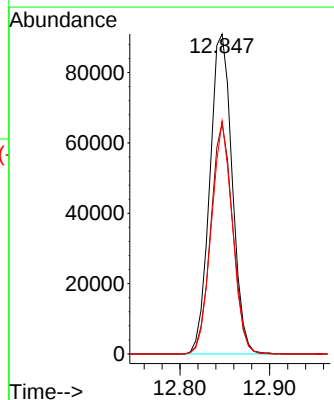
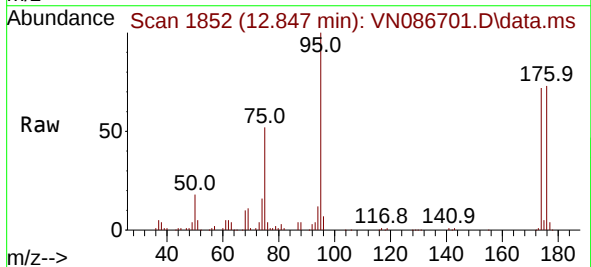
Instrument :
MSVOA_N
ClientSampleId :
PB168034ZHE#18

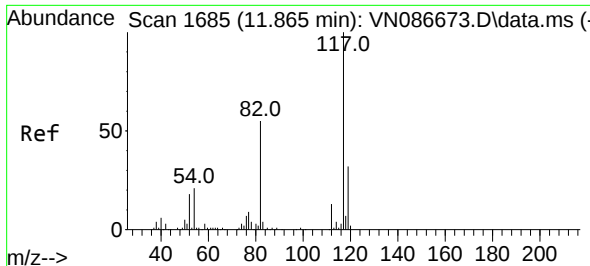
Tgt Ion: 43 Resp: 56533
Ion Ratio Lower Upper
43 100
58 15.2 29.8 89.5#



#62
4-Bromofluorobenzene
Concen: 51.652 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086701.D
Acq: 19 May 2025 19:54

Tgt Ion: 95 Resp: 157312
Ion Ratio Lower Upper
95 100
174 70.8 0.0 145.4
176 68.5 0.0 137.8

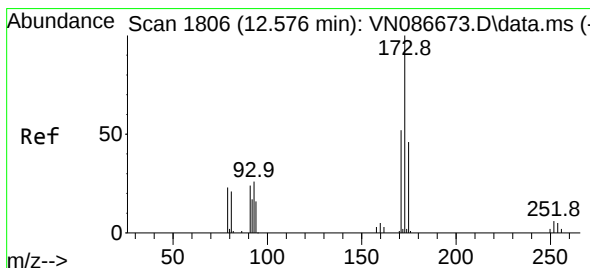
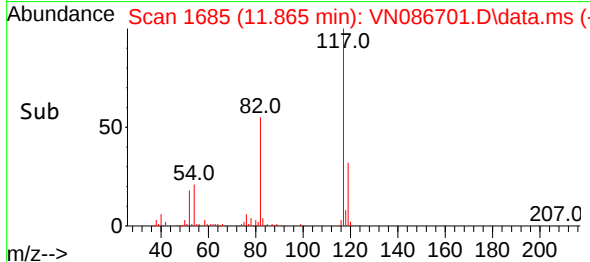
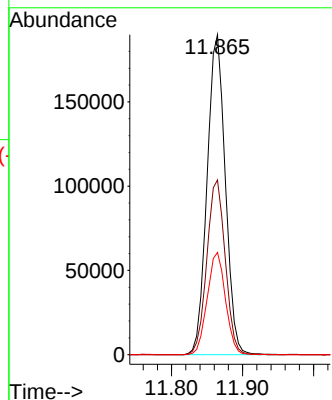
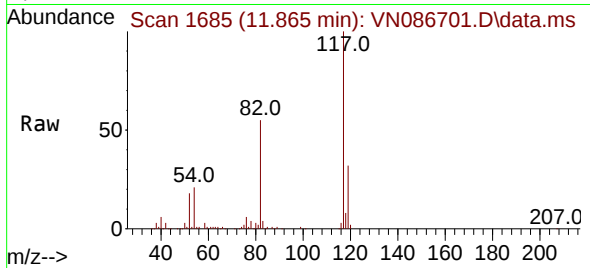




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN086701.D
Acq: 19 May 2025 19:54

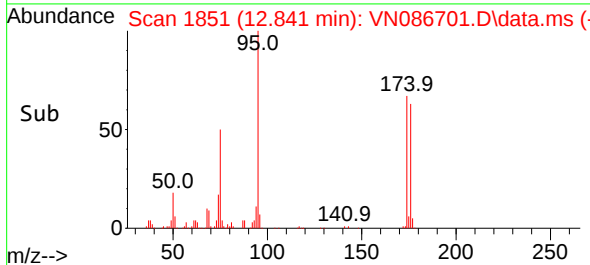
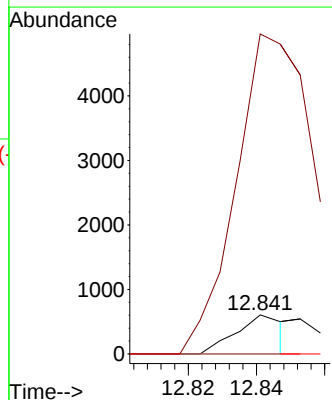
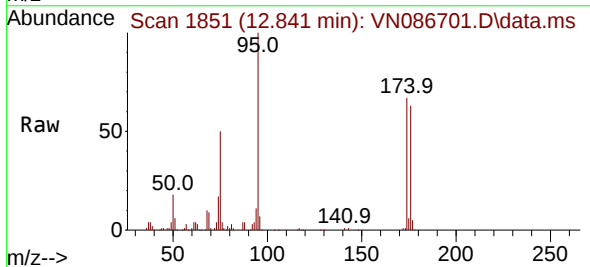
Instrument :
MSVOA_N
ClientSampleId :
PB168034ZHE#18

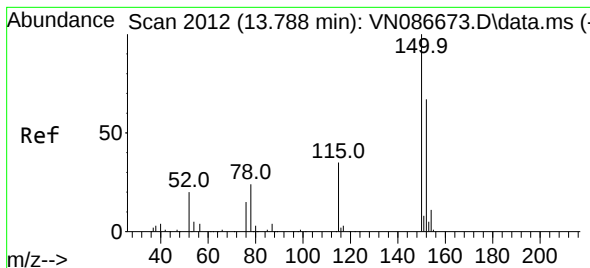
Tgt Ion:117 Resp: 338582
Ion Ratio Lower Upper
117 100
82 54.6 44.2 66.2
119 32.0 25.4 38.2



#71
Bromoform
Concen: 0.344 ug/l
RT: 12.841 min Scan# 1851
Delta R.T. 0.265 min
Lab File: VN086701.D
Acq: 19 May 2025 19:54

Tgt Ion:173 Resp: 586
Ion Ratio Lower Upper
173 100
175 1136.5 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: VN086701.D

Acq: 19 May 2025 19:54

Instrument :

MSVOA_N

ClientSampleId :

PB168034ZHE#18

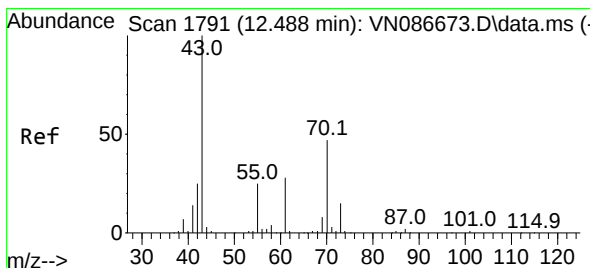
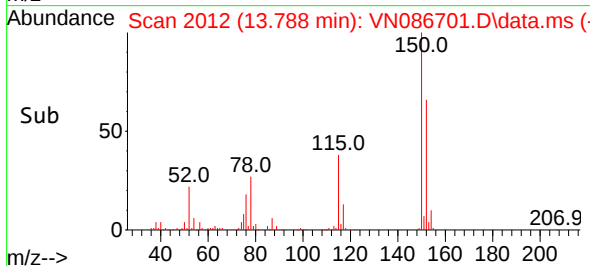
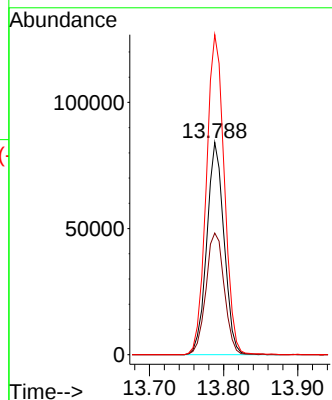
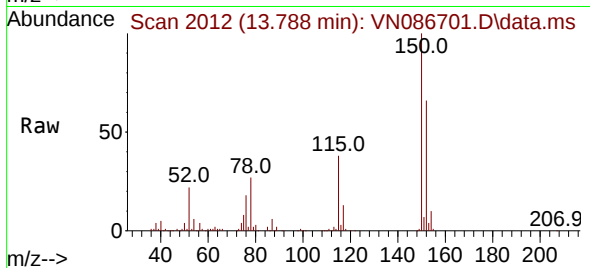
Tgt Ion:152 Resp: 136104

Ion Ratio Lower Upper

152 100

115 61.0 30.0 90.1

150 157.2 0.0 347.8



#74

N-ethyl acetate

Concen: 0.570 ug/l

RT: 12.459 min Scan# 1786

Delta R.T. -0.029 min

Lab File: VN086701.D

Acq: 19 May 2025 19:54

Tgt Ion: 43 Resp: 2502

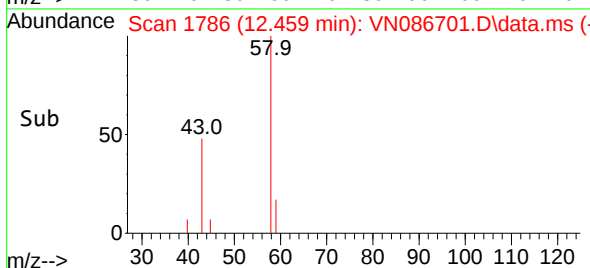
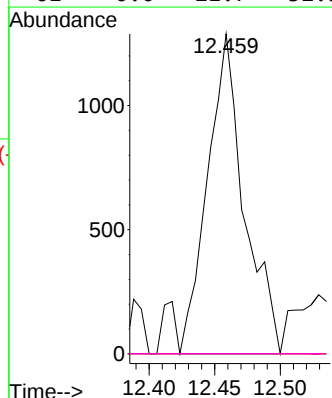
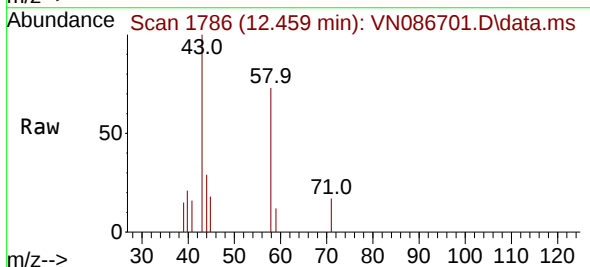
Ion Ratio Lower Upper

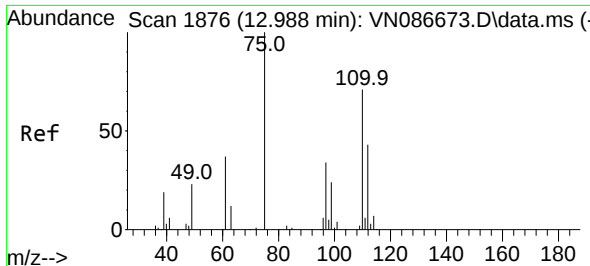
43 100

70 0.0 37.9 56.9#

55 0.0 20.5 30.7#

61 0.0 21.7 32.5#

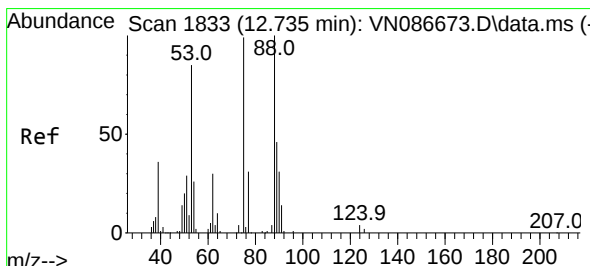
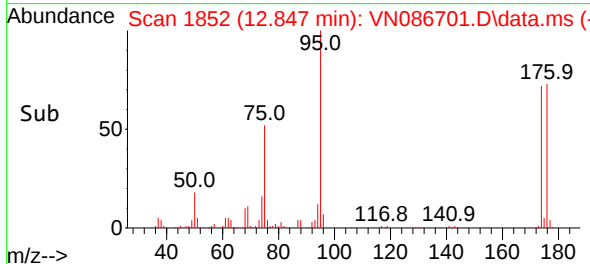
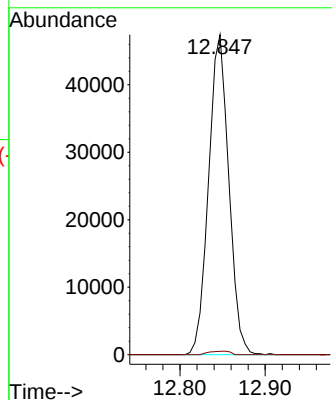
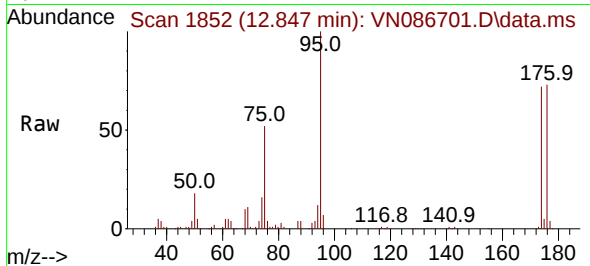




#76
1,2,3-Trichloropropane
Concen: 25.403 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN086701.D
Acq: 19 May 2025 19:54

Instrument :
MSVOA_N
ClientSampleId :
PB168034ZHE#18

Tgt Ion: 75 Resp: 78192
Ion Ratio Lower Upper
75 100
77 1.1 96.0 288.1#



#81
trans-1,4-Dichloro-2-butene
Concen: 64.107 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN086701.D
Acq: 19 May 2025 19:54

Tgt Ion: 75 Resp: 78192
Ion Ratio Lower Upper
75 100
53 0.0 70.4 105.6#
89 0.0 32.4 48.6#

