

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052025\
 Data File : VN086719.D
 Acq On : 20 May 2025 15:39
 Operator : JC\MD
 Sample : VIBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VIBLK

Quant Time: May 21 01:47:25 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)

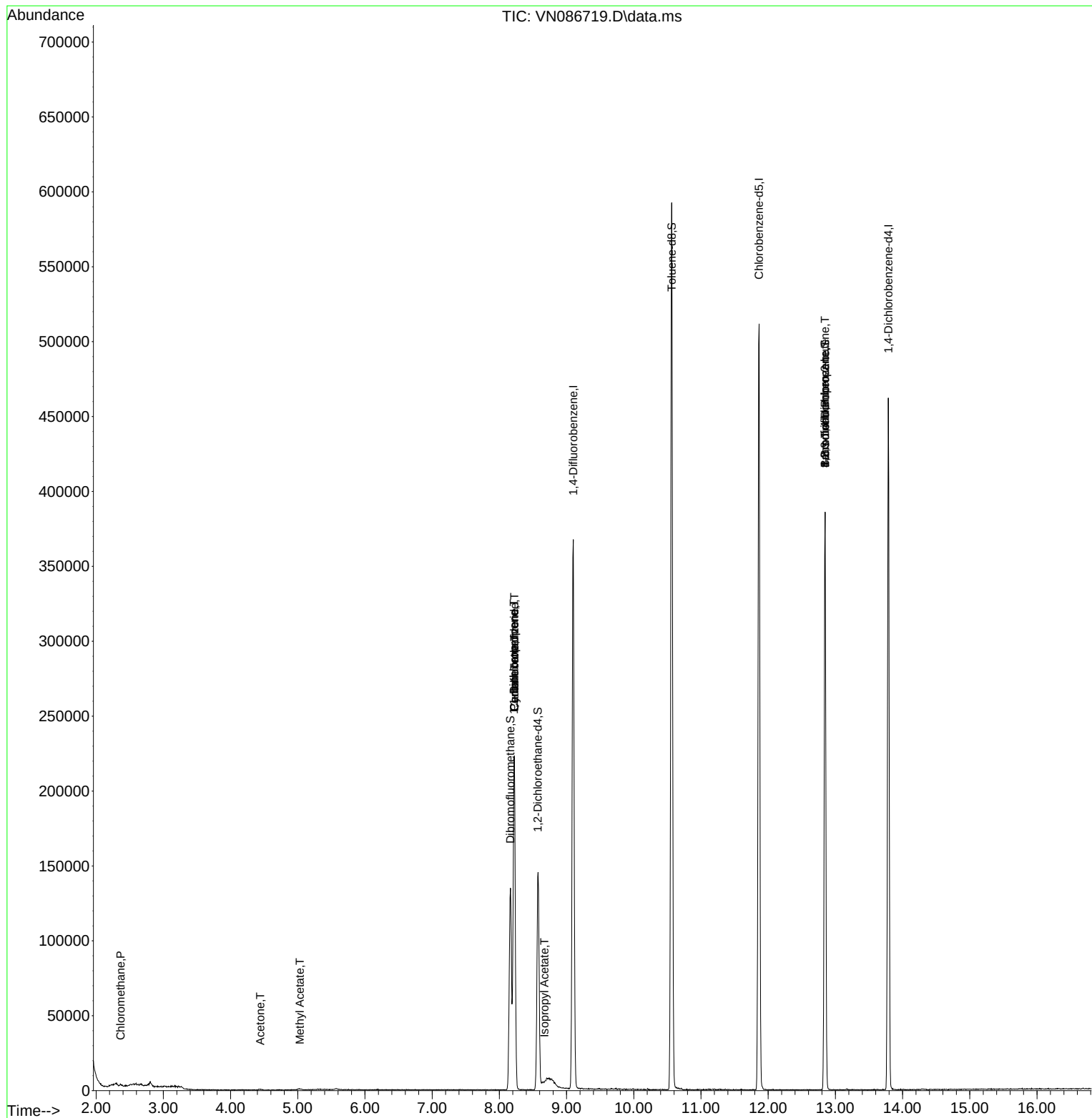
Internal Standards						
1) Pentafluorobenzene	8.224	168	165892	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	327522	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	309617	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	125758	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	122007	53.224	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 106.440%	
35) Dibromofluoromethane	8.165	113	102604	52.603	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 105.200%	
50) Toluene-d8	10.565	98	422523	52.272	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 104.540%	
62) 4-Bromofluorobenzene	12.847	95	144135	50.501	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 101.000%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	804	0.297	ug/l #	85
16) Acetone	4.442	43	1380	1.609	ug/l #	42
18) Methyl Acetate	5.030	43	1859	0.775	ug/l #	59
31) Cyclohexane	8.224	56	3583	1.041	ug/l #	1
36) 1,1-Dichloropropene	8.218	75	13685	4.756	ug/l #	49
38) Carbon Tetrachloride	8.224	117	17029	6.007	ug/l #	16
43) Isopropyl Acetate	8.671	43	7993	1.372	ug/l #	54
71) Bromoform	12.847	173	771	0.495	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	69611	24.475	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	69611	61.767	ug/l #	15

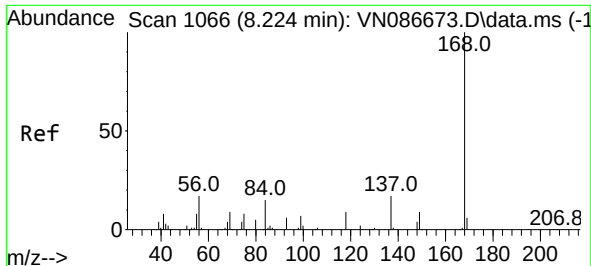
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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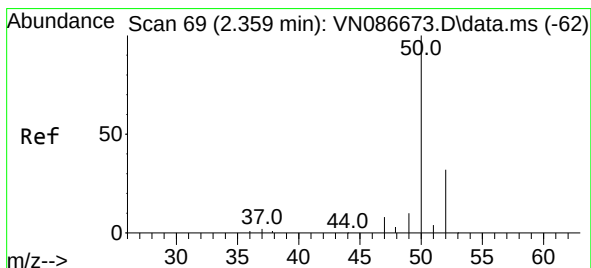
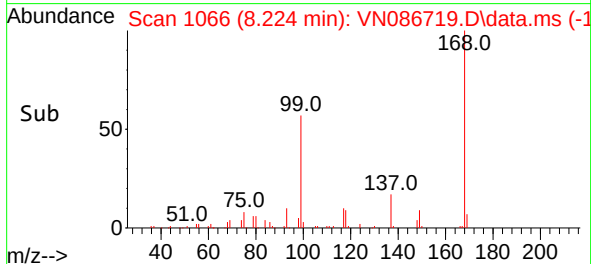
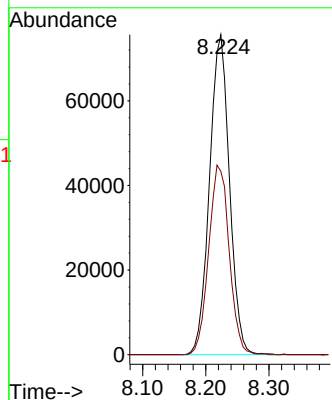
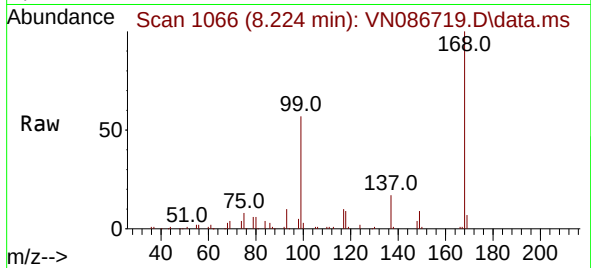




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086719.D
Acq: 20 May 2025 15:39

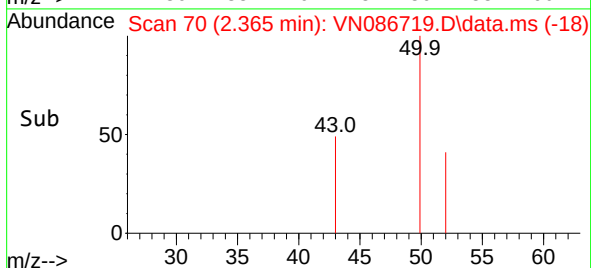
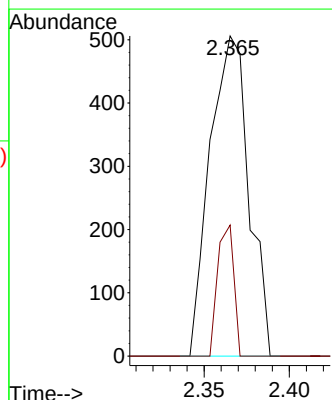
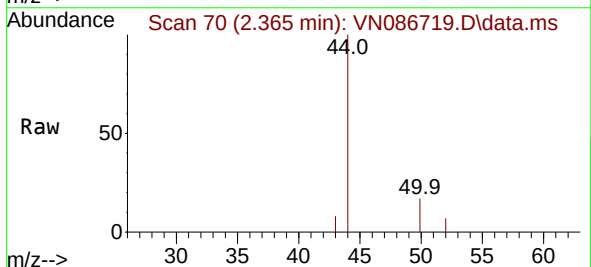
Instrument :
MSVOA_N
ClientSampleId :
VIBLK

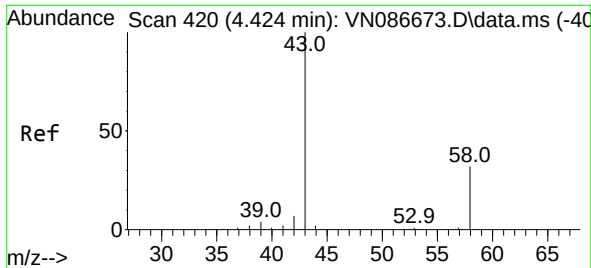
Tgt Ion:168 Resp: 165892
Ion Ratio Lower Upper
168 100
99 57.3 47.0 70.4



#3
Chloromethane
Concen: 0.297 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN086719.D
Acq: 20 May 2025 15:39

Tgt Ion: 50 Resp: 804
Ion Ratio Lower Upper
50 100
52 40.9 25.9 38.9#





#16

Acetone

Concen: 1.609 ug/l

RT: 4.442 min Scan# 43

Delta R.T. 0.017 min

Lab File: VN086719.D

Acq: 20 May 2025 15:39

Instrument :

MSVOA_N

ClientSampleId :

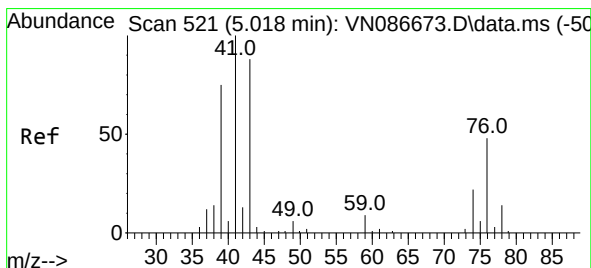
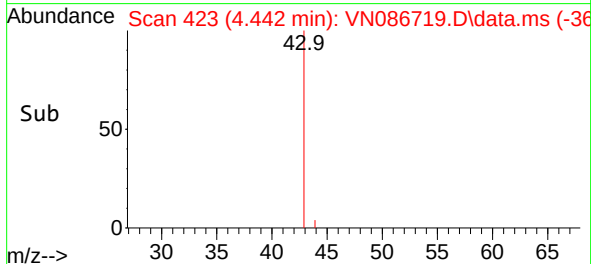
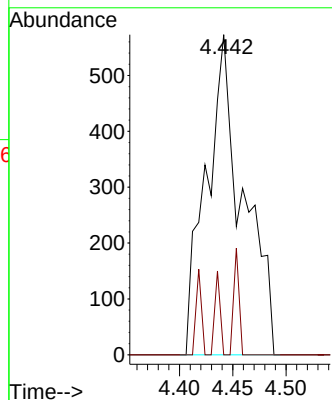
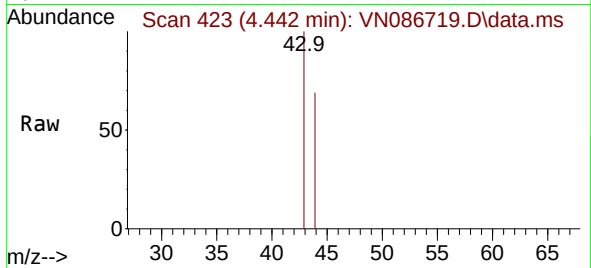
VIBLK

Tgt Ion: 43 Resp: 1380

Ion Ratio Lower Upper

43 100

58 0.0 25.8 38.6#



#18

Methyl Acetate

Concen: 0.775 ug/l

RT: 5.030 min Scan# 523

Delta R.T. 0.012 min

Lab File: VN086719.D

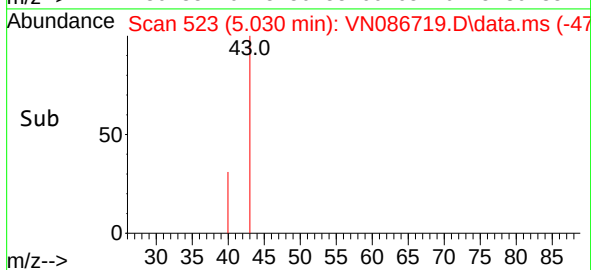
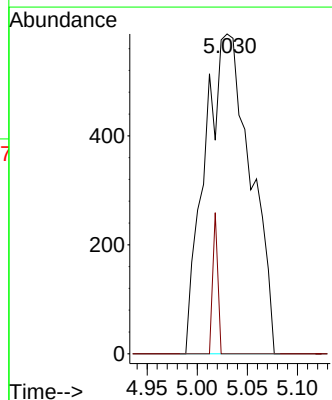
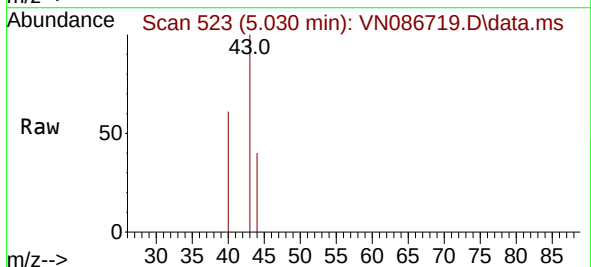
Acq: 20 May 2025 15:39

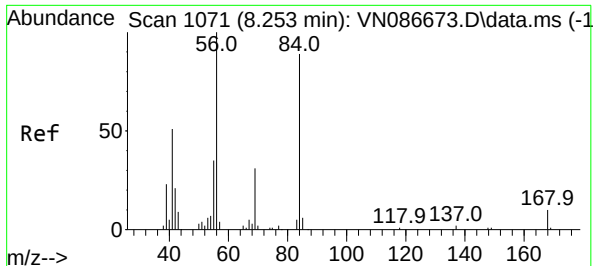
Tgt Ion: 43 Resp: 1859

Ion Ratio Lower Upper

43 100

74 4.9 20.5 30.7#

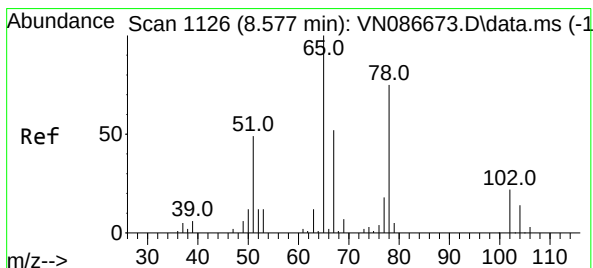
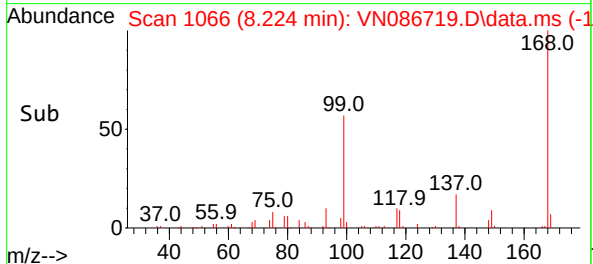
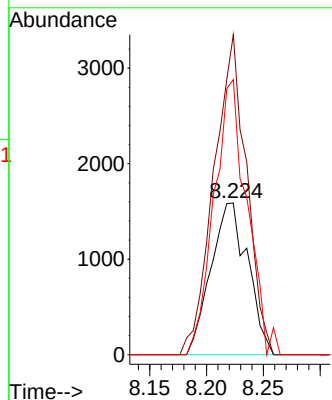
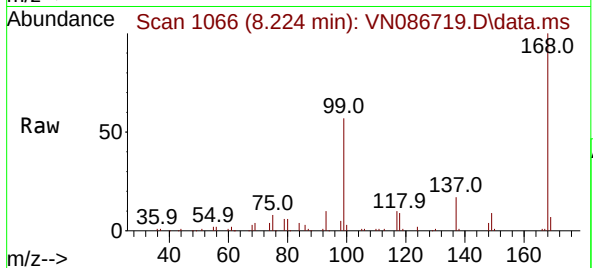




#31
Cyclohexane
Concen: 1.041 ug/l
RT: 8.224 min Scan# 1106
Delta R.T. -0.030 min
Lab File: VN086719.D
Acq: 20 May 2025 15:39

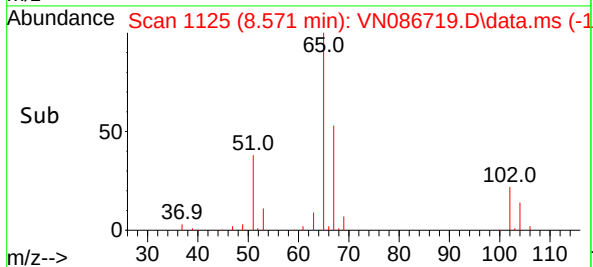
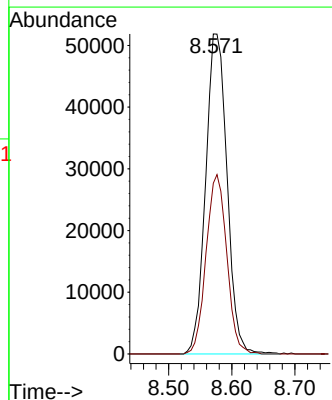
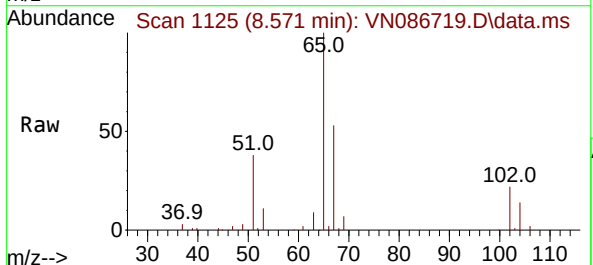
Instrument :
MSVOA_N
ClientSampleId :
VIBLK

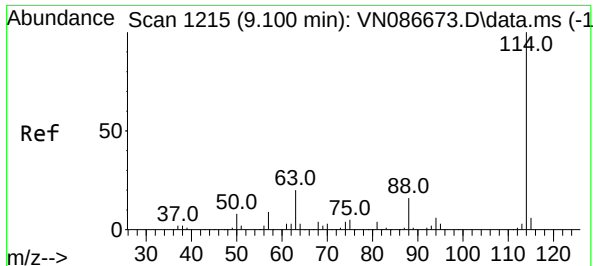
Tgt Ion: 56 Resp: 3583
Ion Ratio Lower Upper
56 100
69 211.0 25.0 37.6#
84 181.4 71.0 106.4#



#33
1,2-Dichloroethane-d4
Concen: 53.224 ug/l
RT: 8.571 min Scan# 1125
Delta R.T. -0.006 min
Lab File: VN086719.D
Acq: 20 May 2025 15:39

Tgt Ion: 65 Resp: 122007
Ion Ratio Lower Upper
65 100
67 54.0 0.0 106.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN086719.D

Acq: 20 May 2025 15:39

Instrument :

MSVOA_N

ClientSampleId :

VIBLK

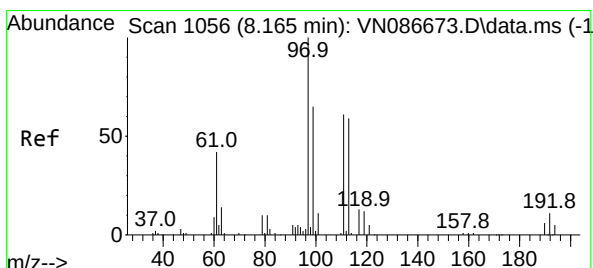
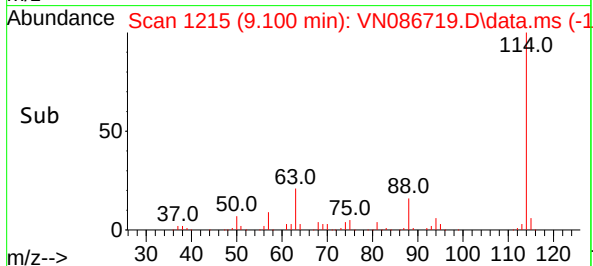
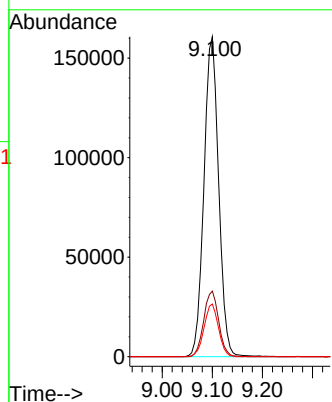
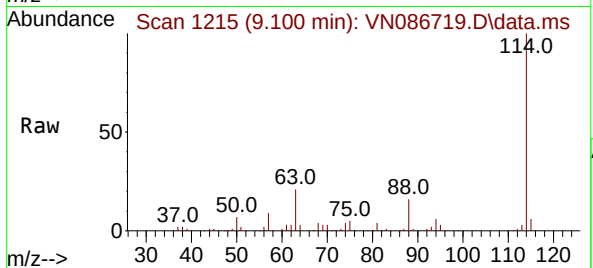
Tgt Ion:114 Resp: 327522

Ion Ratio Lower Upper

114 100

63 20.5 0.0 40.2

88 16.4 0.0 31.2



#35

Dibromofluoromethane

Concen: 52.603 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN086719.D

Acq: 20 May 2025 15:39

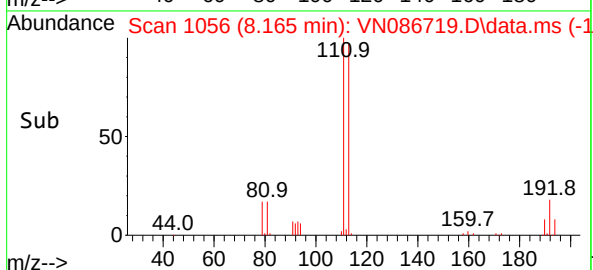
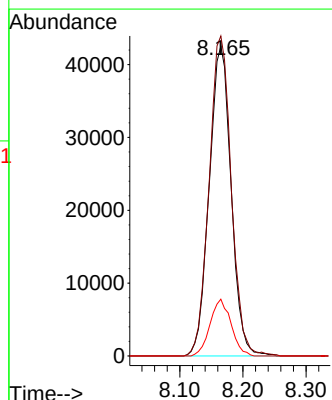
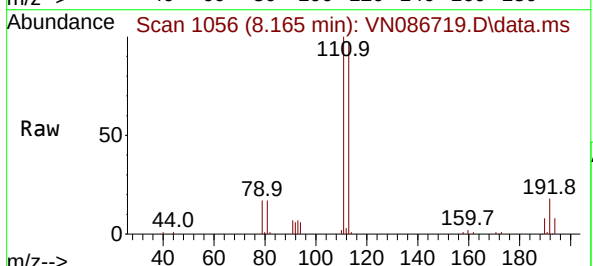
Tgt Ion:113 Resp: 102604

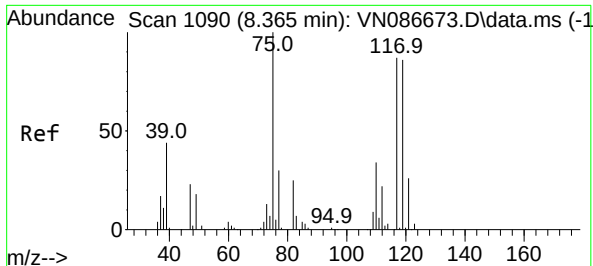
Ion Ratio Lower Upper

113 100

111 104.4 82.2 123.2

192 17.6 13.8 20.8





#36

1,1-Dichloropropene

Concen: 4.756 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.147 min

Lab File: VN086719.D

Acq: 20 May 2025 15:39

Instrument :

MSVOA_N

ClientSampleId :

VIBLK

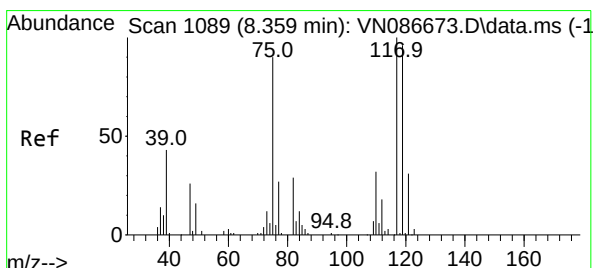
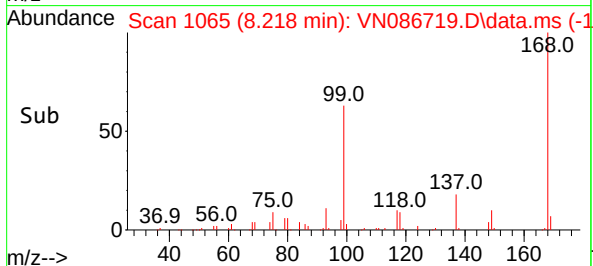
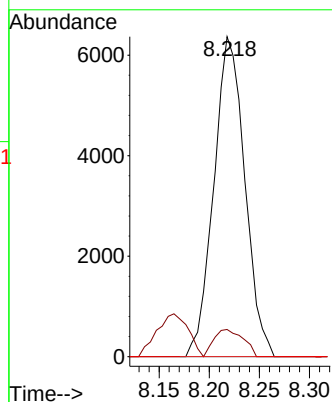
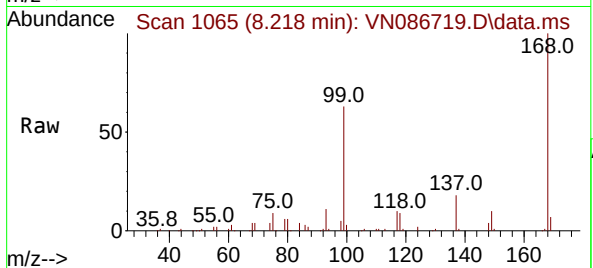
Tgt Ion: 75 Resp: 13685

Ion Ratio Lower Upper

75 100

110 8.1 17.5 52.5#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 6.007 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.135 min

Lab File: VN086719.D

Acq: 20 May 2025 15:39

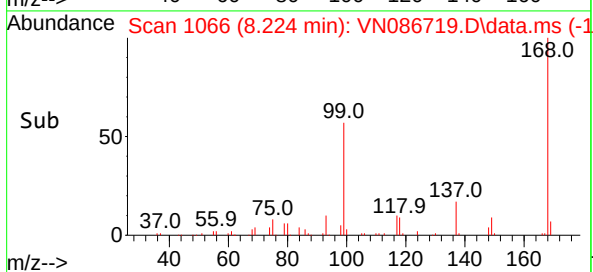
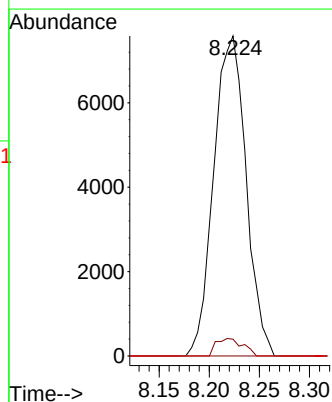
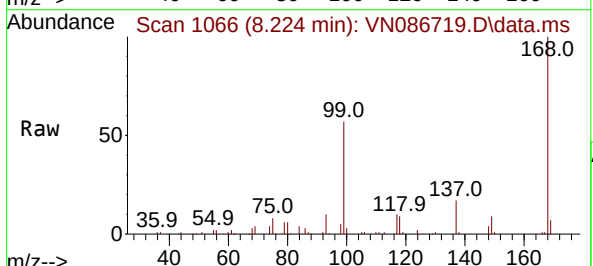
Tgt Ion: 117 Resp: 17029

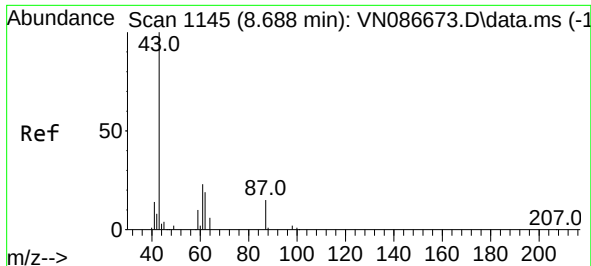
Ion Ratio Lower Upper

117 100

119 5.2 77.0 115.6#

121 0.0 25.0 37.6#





#43

Isopropyl Acetate

Concen: 1.372 ug/l

RT: 8.671 min Scan# 1145

Delta R.T. -0.018 min

Lab File: VN086719.D

Acq: 20 May 2025 15:39

Instrument :

MSVOA_N

ClientSampleId :

VIBLK

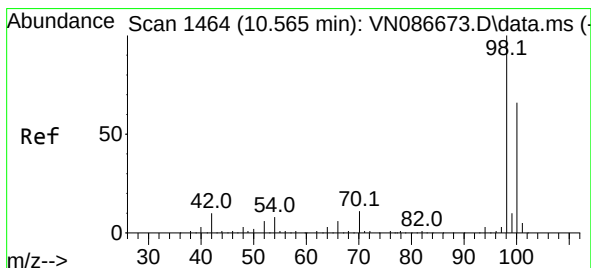
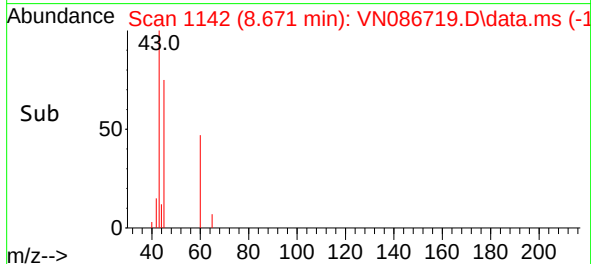
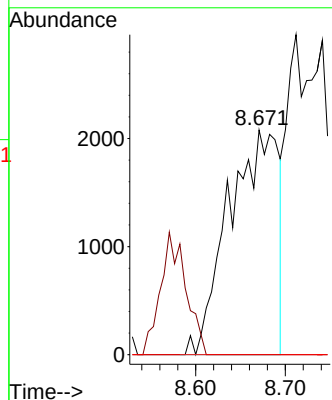
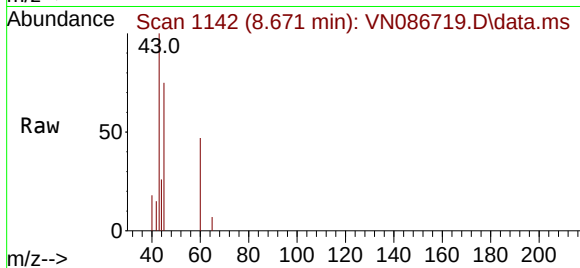
Tgt Ion: 43 Resp: 7993

Ion Ratio Lower Upper

43 100

61 0.0 21.4 32.2#

87 0.0 11.1 16.7#



#50

Toluene-d8

Concen: 52.272 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN086719.D

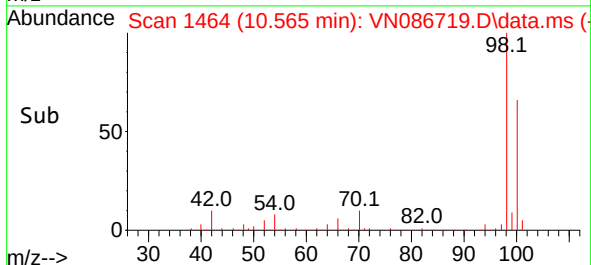
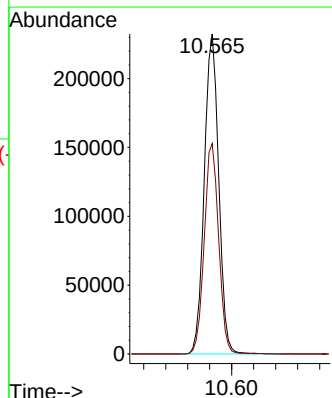
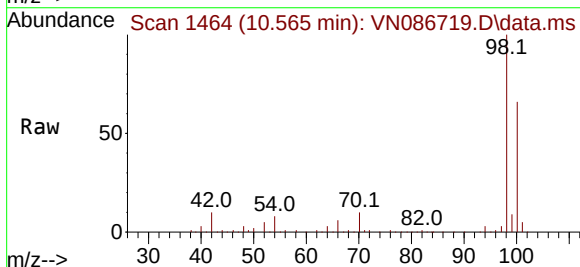
Acq: 20 May 2025 15:39

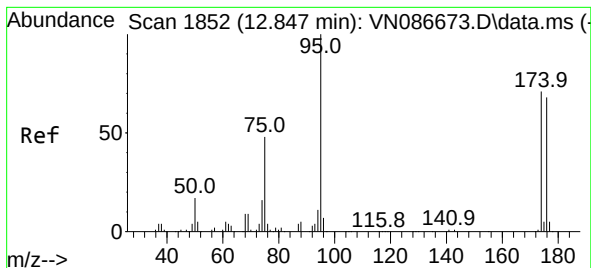
Tgt Ion: 98 Resp: 422523

Ion Ratio Lower Upper

98 100

100 65.8 52.9 79.3

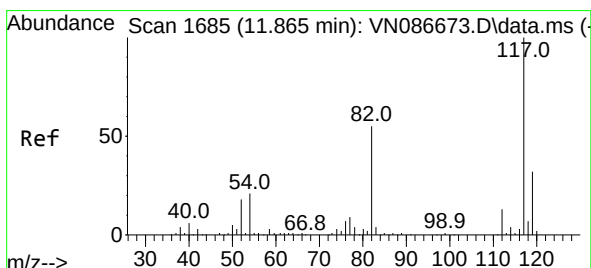
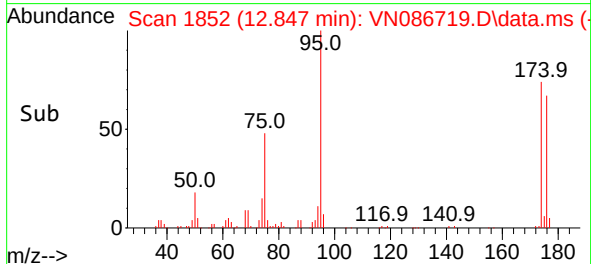
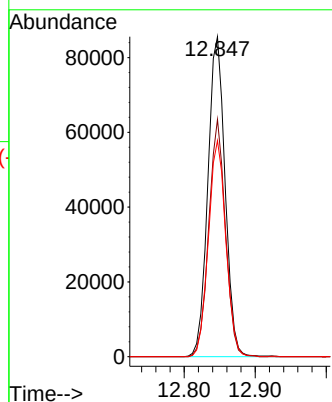
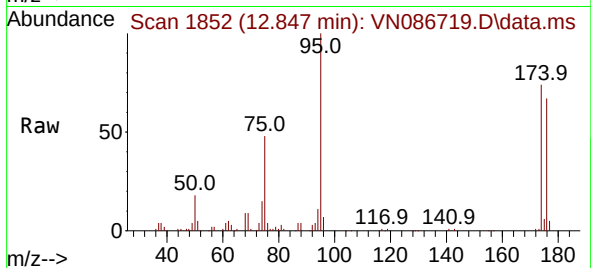




#62
4-Bromofluorobenzene
Concen: 50.501 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086719.D
Acq: 20 May 2025 15:39

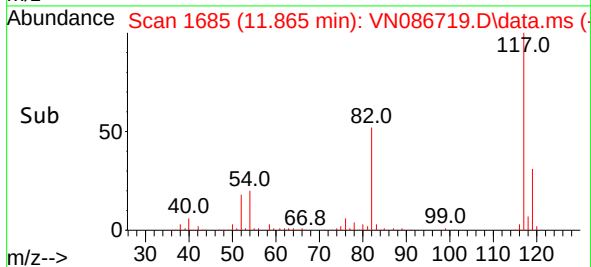
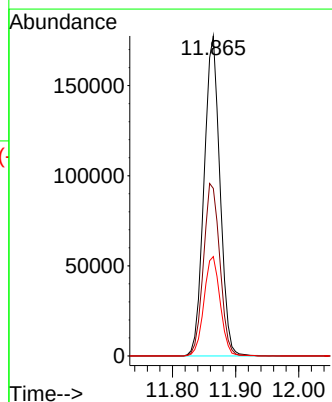
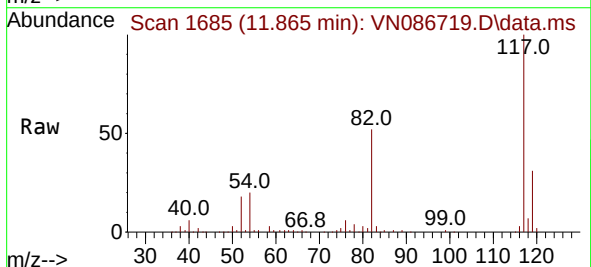
Instrument :
MSVOA_N
ClientSampleId :
VIBLK

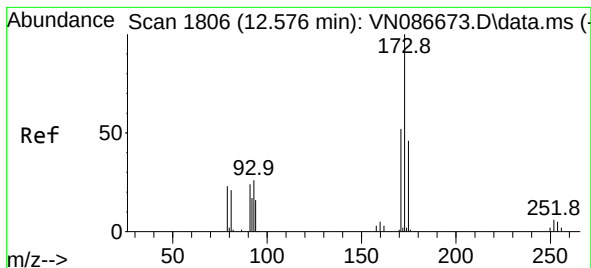
Tgt Ion: 95 Resp: 144135
Ion Ratio Lower Upper
95 100
174 71.6 0.0 145.4
176 68.4 0.0 137.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN086719.D
Acq: 20 May 2025 15:39

Tgt Ion: 117 Resp: 309617
Ion Ratio Lower Upper
117 100
82 52.3 44.2 66.2
119 31.0 25.4 38.2





#71

Bromoform

Concen: 0.495 ug/l

RT: 12.847 min Scan# 1806

Delta R.T. 0.270 min

Lab File: VN086719.D

Acq: 20 May 2025 15:39

Instrument :

MSVOA_N

ClientSampleId :

VIBLK

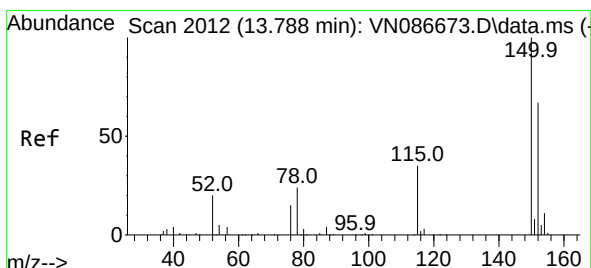
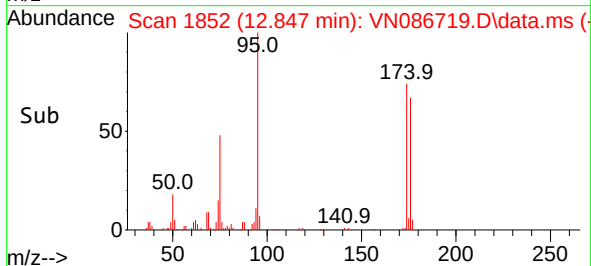
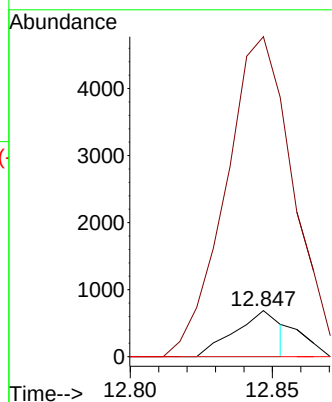
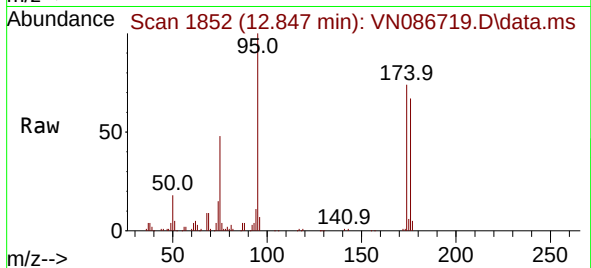
Tgt Ion:173 Resp: 771

Ion Ratio Lower Upper

173 100

175 848.8 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# 2012

Delta R.T. -0.000 min

Lab File: VN086719.D

Acq: 20 May 2025 15:39

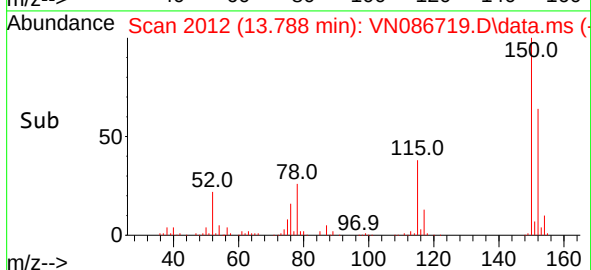
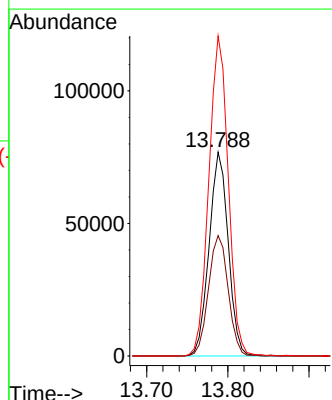
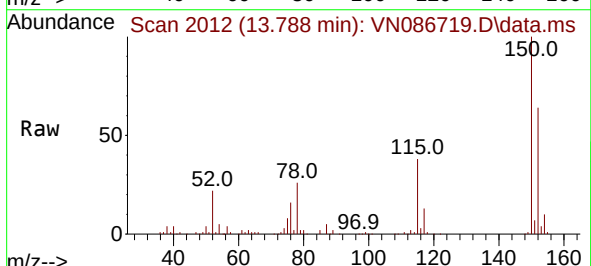
Tgt Ion:152 Resp: 125758

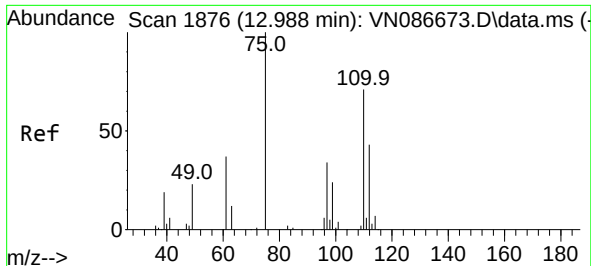
Ion Ratio Lower Upper

152 100

115 60.7 30.0 90.1

150 159.4 0.0 347.8

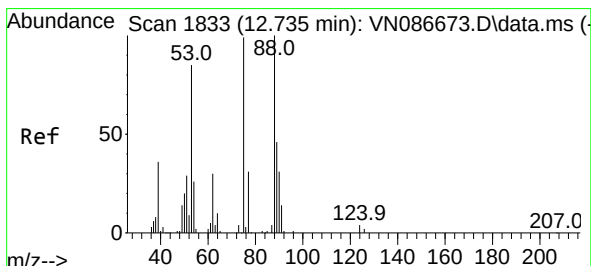
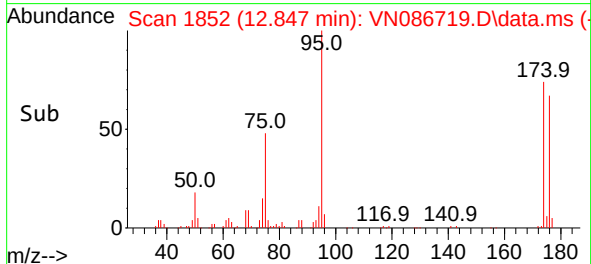
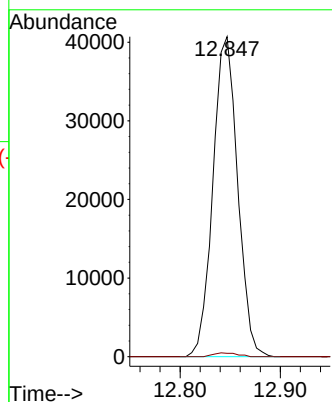
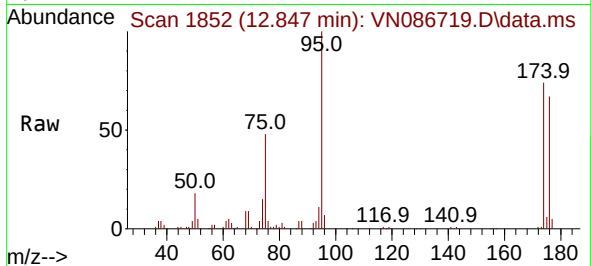




#76
1,2,3-Trichloropropane
Concen: 24.475 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN086719.D
Acq: 20 May 2025 15:39

Instrument :
MSVOA_N
ClientSampleId :
VIBLK

Tgt Ion: 75 Resp: 69611
Ion Ratio Lower Upper
75 100
77 1.2 96.0 288.1#



#81
trans-1,4-Dichloro-2-butene
Concen: 61.767 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN086719.D
Acq: 20 May 2025 15:39

Tgt Ion: 75 Resp: 69611
Ion Ratio Lower Upper
75 100
53 0.0 70.4 105.6#
89 0.0 32.4 48.6#

