

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050925\
 Data File : VN086564.D
 Acq On : 09 May 2025 16:08
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: May 09 23:30:12 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 16 04:19:23 2025
 Response via : Initial Calibration

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

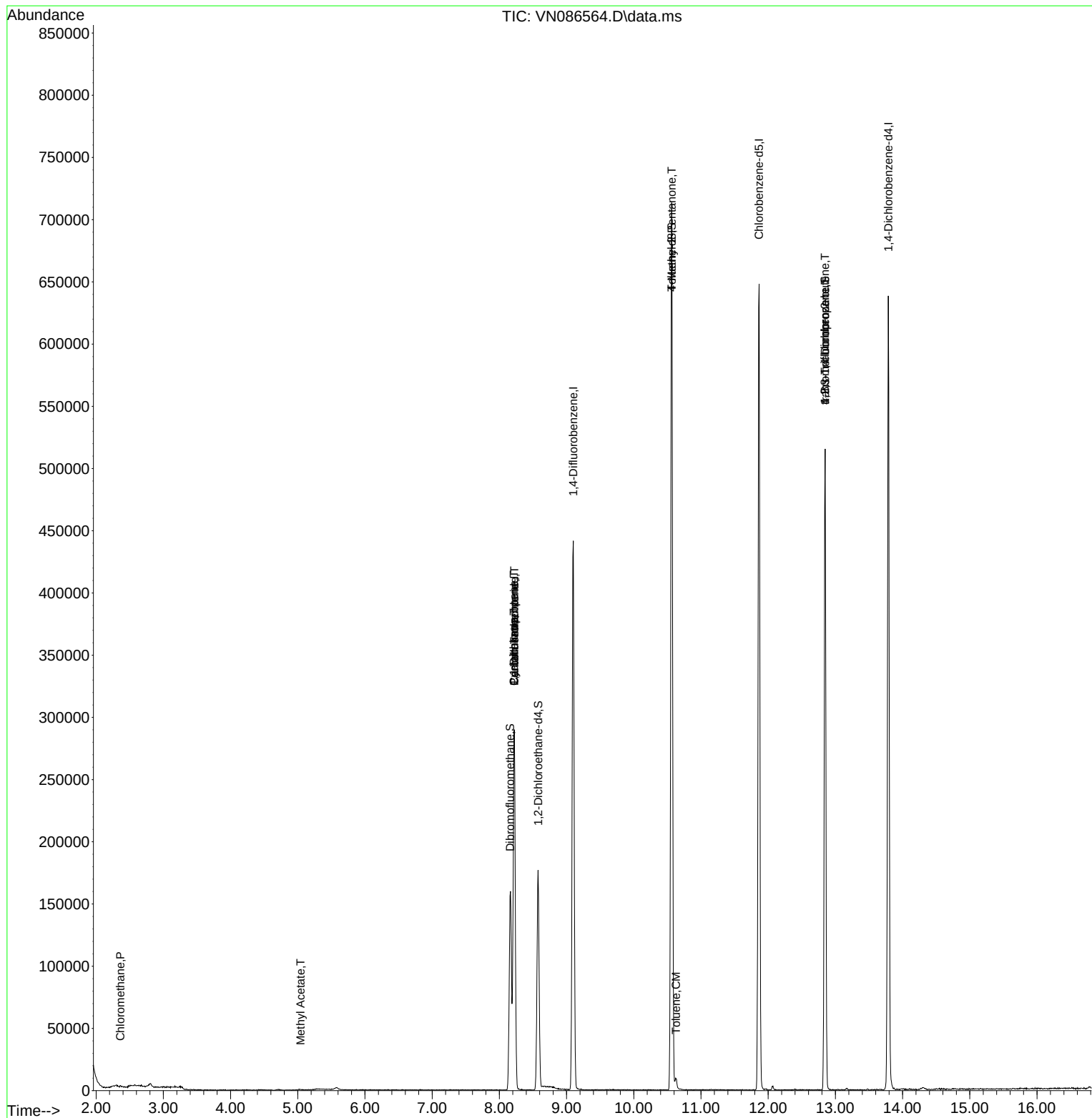
Internal Standards						
1) Pentafluorobenzene	8.224	168	221112	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	407801	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	394695	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	173381	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	146326	45.637	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	91.280%		
35) Dibromofluoromethane	8.159	113	119857	63.327	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	126.660%#		
50) Toluene-d8	10.565	98	515849	50.997	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	102.000%		
62) 4-Bromofluorobenzene	12.847	95	190257	51.568	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	103.140%		
Target Compounds			Qvalue			
3) Chloromethane	2.359	50	893	0.234	ug/l	93
16) Acetone	4.430	43	716	Below Cal	#	43
18) Methyl Acetate	5.041	43	841	0.219	ug/l #	51
31) Cyclohexane	8.218	56	4754	0.915	ug/l #	1
36) 1,1-Dichloropropene	8.218	75	16941	4.481	ug/l #	49
38) Carbon Tetrachloride	8.224	117	21579	5.994	ug/l #	15
43) Isopropyl Acetate	8.659	43	2440	Below Cal	#	55
51) 4-Methyl-2-Pentanone	10.565	43	2246	0.551	ug/l #	1
52) Toluene	10.629	92	4021	0.532	ug/l	91
76) 1,2,3-Trichloropropane	12.847	75	93944	22.961	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	93944	55.143	ug/l #	10

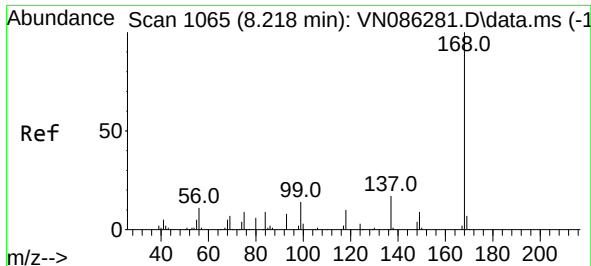
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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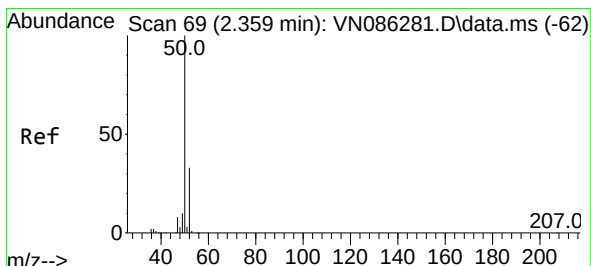
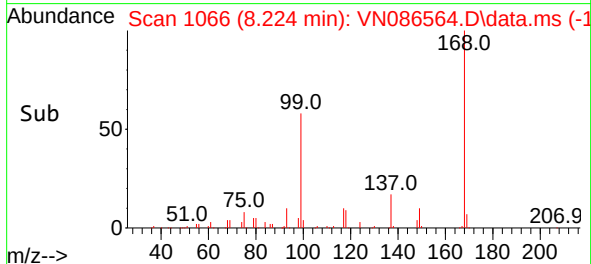
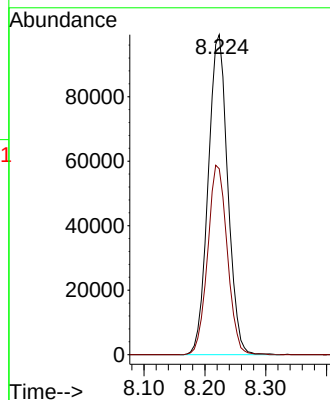
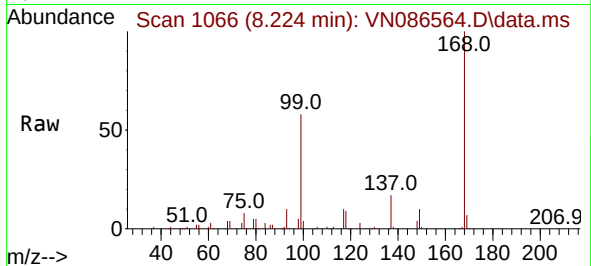




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN086564.D
Acq: 09 May 2025 16:08

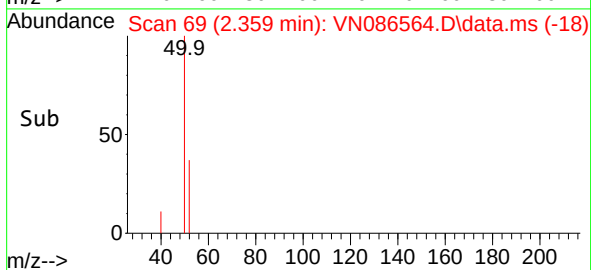
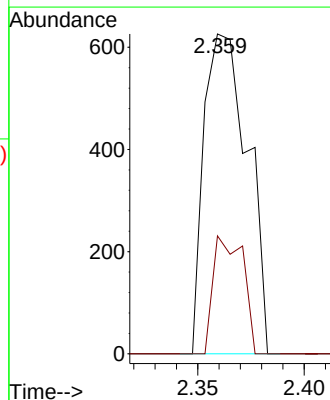
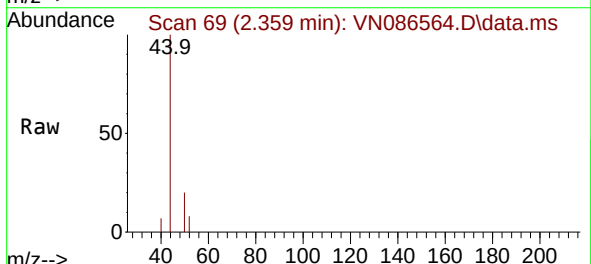
Instrument :
MSVOA_N
ClientSampleId :
IBLK

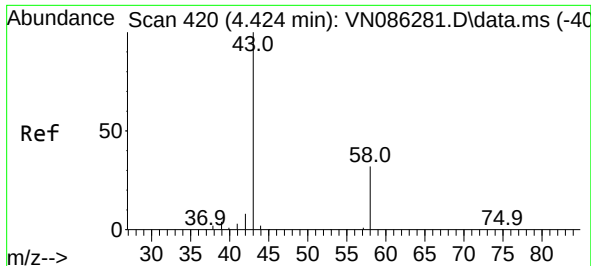
Tgt Ion:168 Resp: 221112
Ion Ratio Lower Upper
168 100
99 58.1 52.5 78.7



#3
Chloromethane
Concen: 0.234 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN086564.D
Acq: 09 May 2025 16:08

Tgt Ion: 50 Resp: 893
Ion Ratio Lower Upper
50 100
52 36.9 26.5 39.7

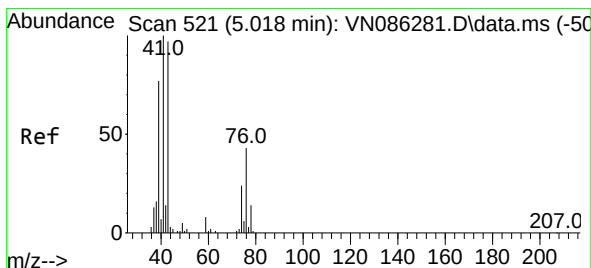
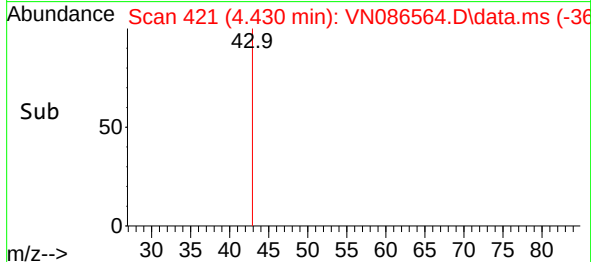
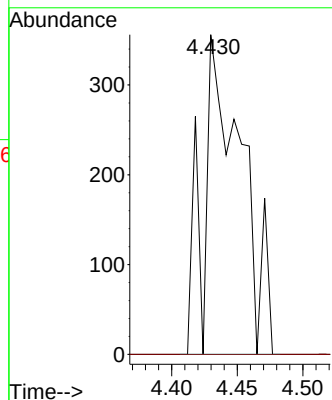
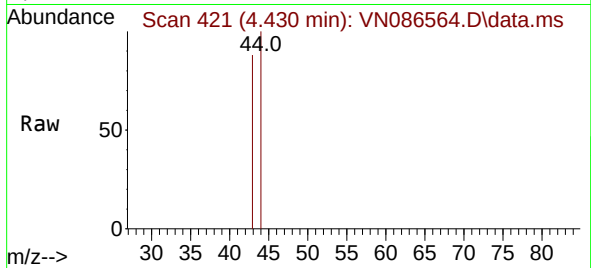




#16
Acetone
Concen: Below Cal
RT: 4.430 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN086564.D
Acq: 09 May 2025 16:08

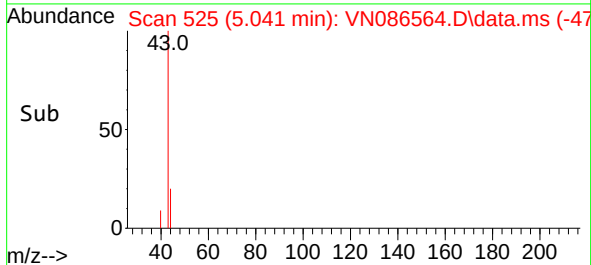
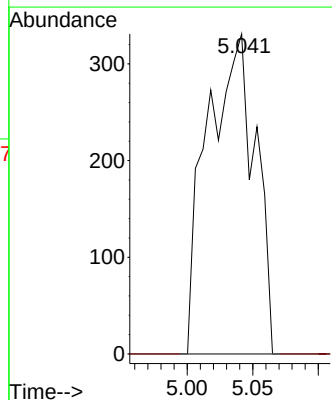
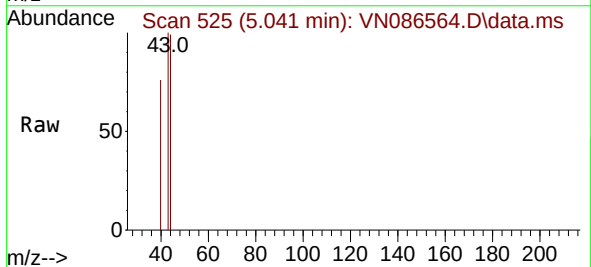
Instrument :
MSVOA_N
ClientSampleId :
IBLK

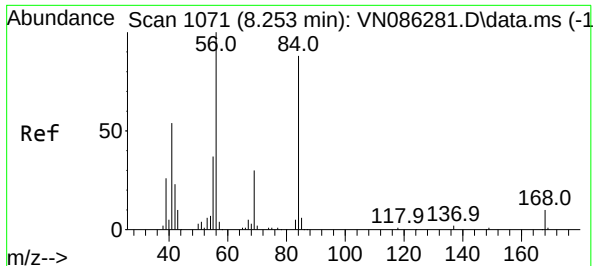
Tgt Ion: 43 Resp: 716
Ion Ratio Lower Upper
43 100
58 0.0 25.3 37.9#



#18
Methyl Acetate
Concen: 0.219 ug/l
RT: 5.041 min Scan# 525
Delta R.T. 0.023 min
Lab File: VN086564.D
Acq: 09 May 2025 16:08

Tgt Ion: 43 Resp: 841
Ion Ratio Lower Upper
43 100
74 0.0 19.8 29.6#





#31

Cyclohexane

Concen: 0.915 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.035 min

Lab File: VN086564.D

Acq: 09 May 2025 16:08

Instrument :

MSVOA_N

ClientSampleId :

IBLK

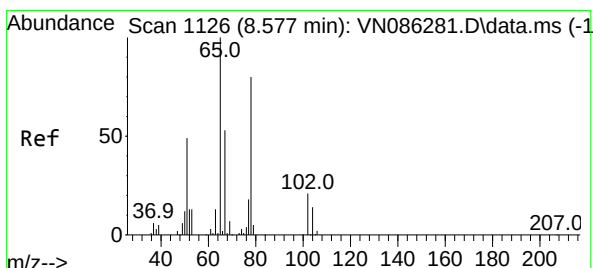
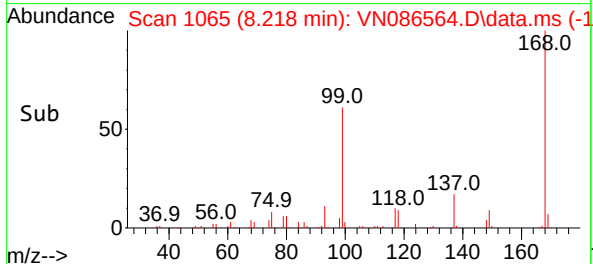
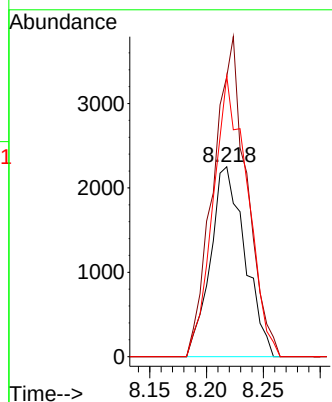
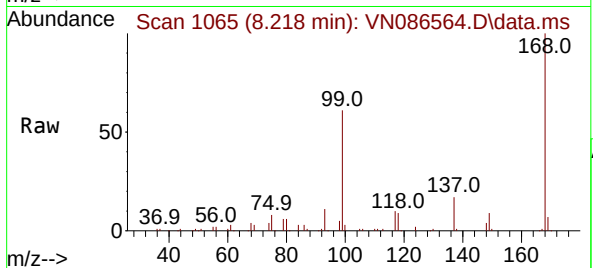
Tgt Ion: 56 Resp: 4754

Ion Ratio Lower Upper

56 100

69 147.4 24.2 36.2#

84 147.8 70.3 105.5#



#33

1,2-Dichloroethane-d4

Concen: 45.637 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN086564.D

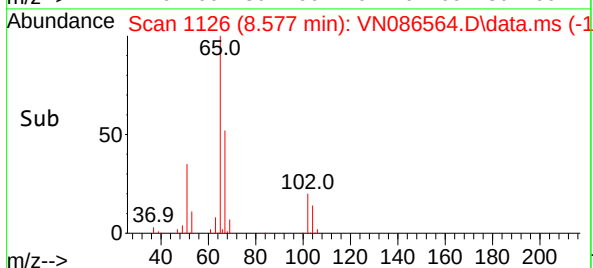
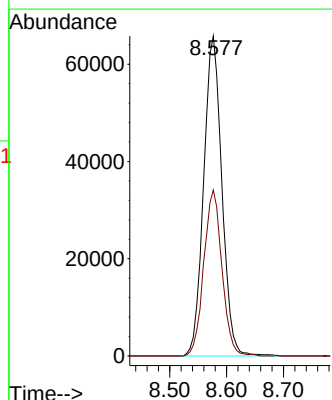
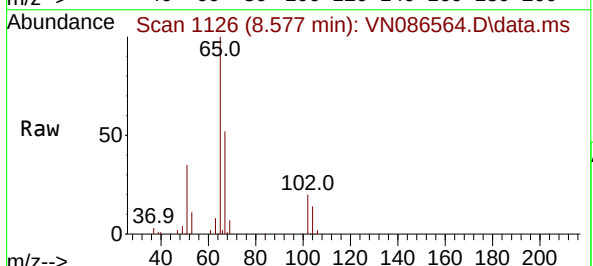
Acq: 09 May 2025 16:08

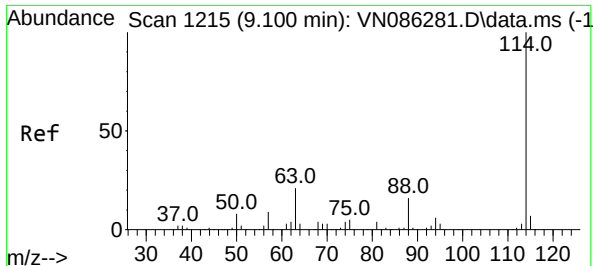
Tgt Ion: 65 Resp: 146326

Ion Ratio Lower Upper

65 100

67 51.7 0.0 106.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN086564.D

Acq: 09 May 2025 16:08

Instrument :

MSVOA_N

ClientSampleId :

IBLK

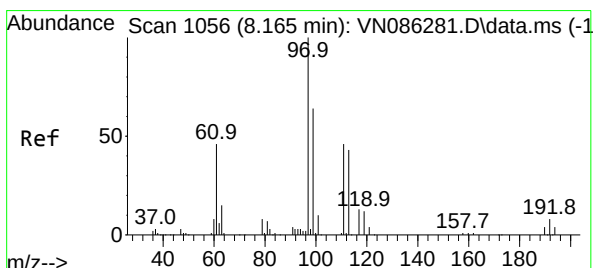
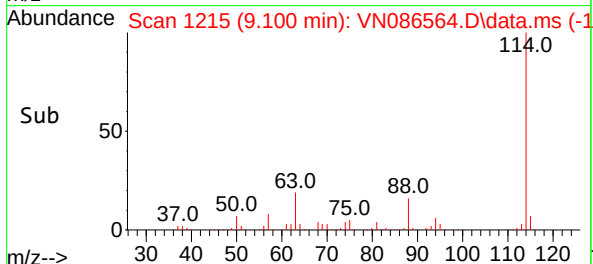
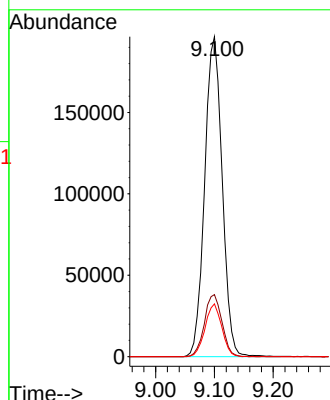
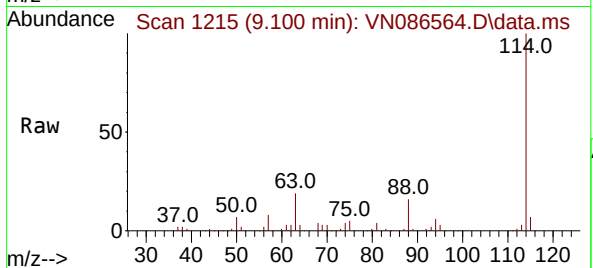
Tgt Ion:114 Resp: 407801

Ion Ratio Lower Upper

114 100

63 19.4 0.0 42.6

88 16.5 0.0 31.8



#35

Dibromofluoromethane

Concen: 63.327 ug/l

RT: 8.159 min Scan# 1055

Delta R.T. -0.006 min

Lab File: VN086564.D

Acq: 09 May 2025 16:08

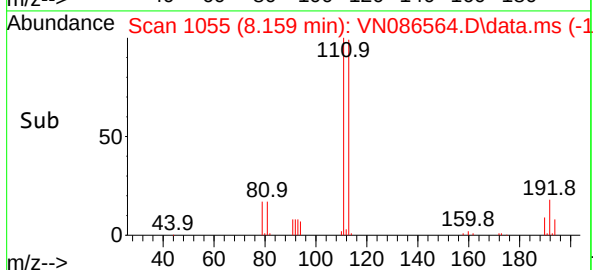
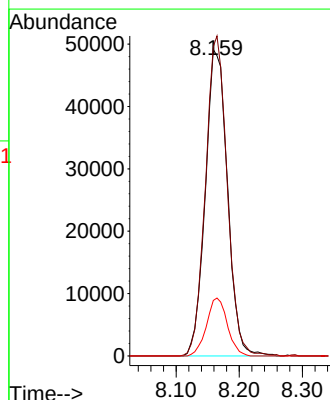
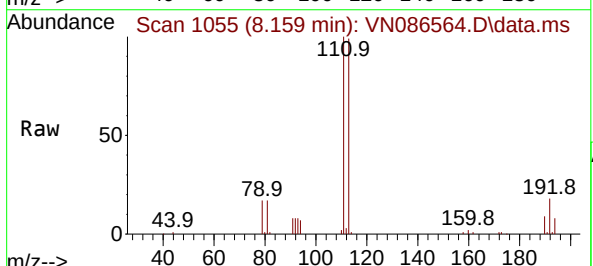
Tgt Ion:113 Resp: 119857

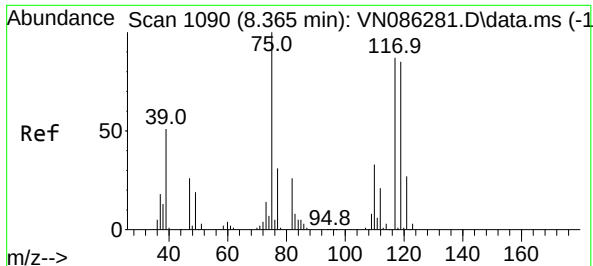
Ion Ratio Lower Upper

113 100

111 102.1 83.4 125.0

192 17.8 13.7 20.5





#36

1,1-Dichloropropene

Concen: 4.481 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.147 min

Lab File: VN086564.D

Acq: 09 May 2025 16:08

Instrument :

MSVOA_N

ClientSampleId :

IBLK

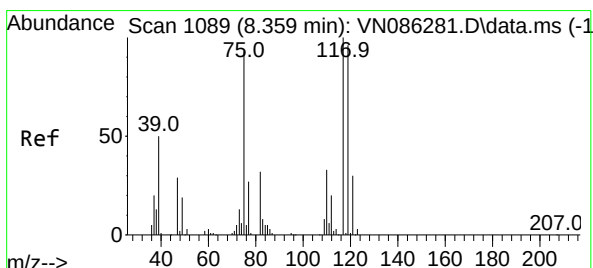
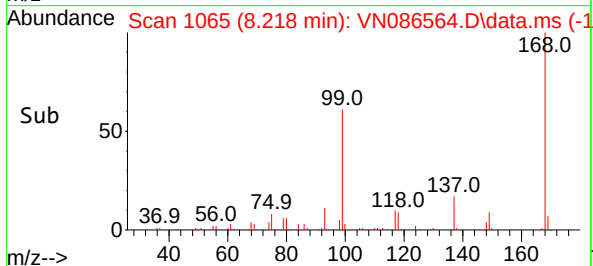
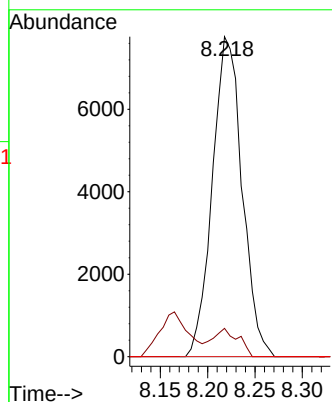
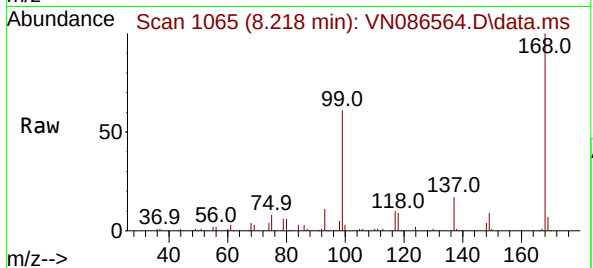
Tgt Ion: 75 Resp: 16941

Ion Ratio Lower Upper

75 100

110 7.7 16.8 50.4#

77 0.0 24.9 37.3#



#38

Carbon Tetrachloride

Concen: 5.994 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.135 min

Lab File: VN086564.D

Acq: 09 May 2025 16:08

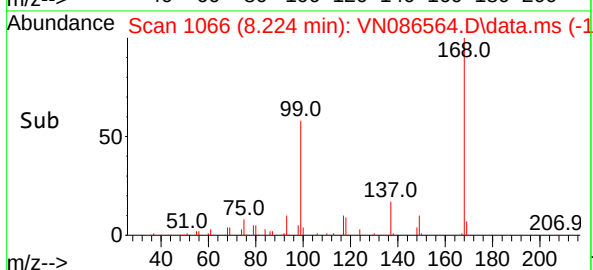
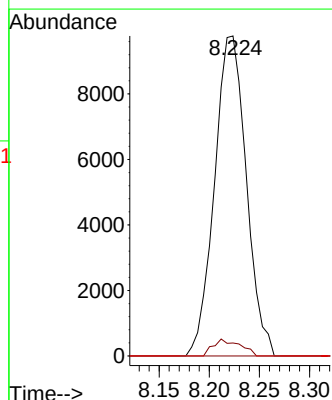
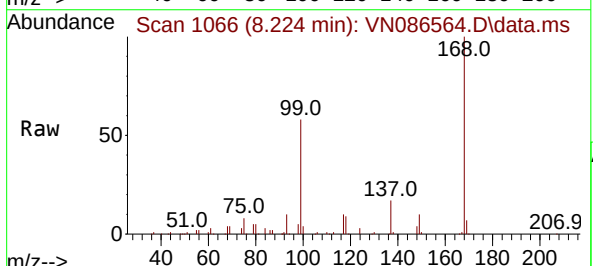
Tgt Ion: 117 Resp: 21579

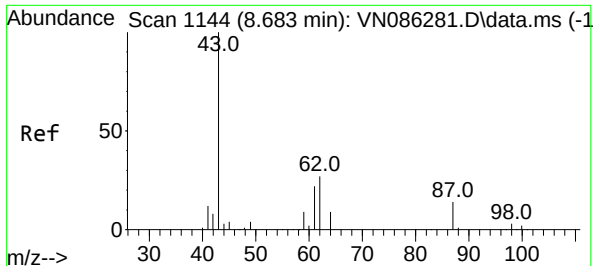
Ion Ratio Lower Upper

117 100

119 4.0 76.8 115.2#

121 0.0 23.8 35.8#





#43

Isopropyl Acetate

Concen: Below Cal

RT: 8.659 min Scan# 1144

Delta R.T. -0.024 min

Lab File: VN086564.D

Acq: 09 May 2025 16:08

Instrument :

MSVOA_N

ClientSampleId :

IBLK

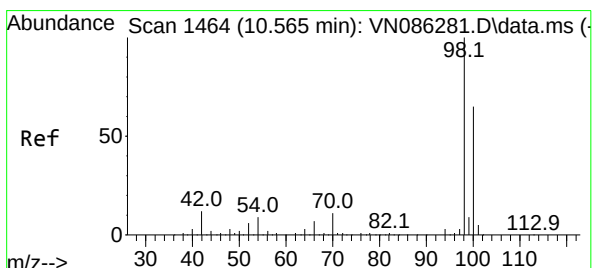
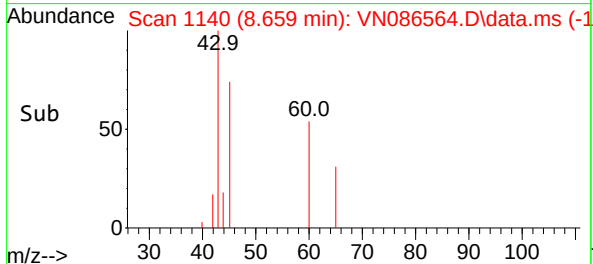
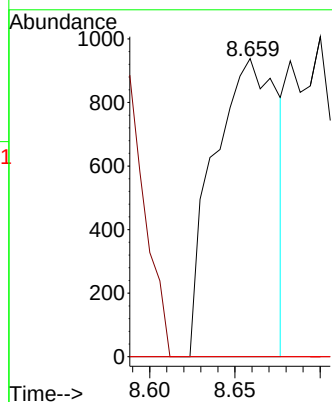
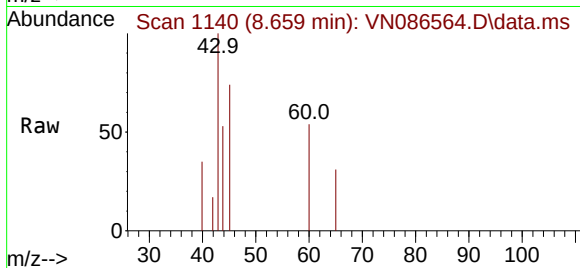
Tgt Ion: 43 Resp: 2440

Ion Ratio Lower Upper

43 100

61 0.0 20.5 30.7#

87 0.0 10.5 15.7#



#50

Toluene-d8

Concen: 50.997 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN086564.D

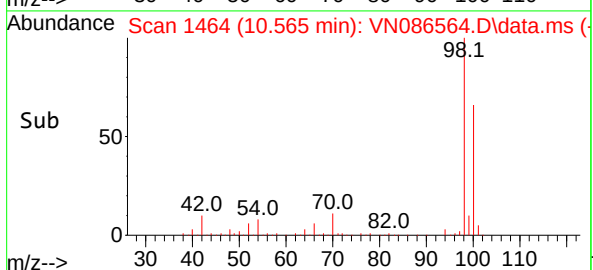
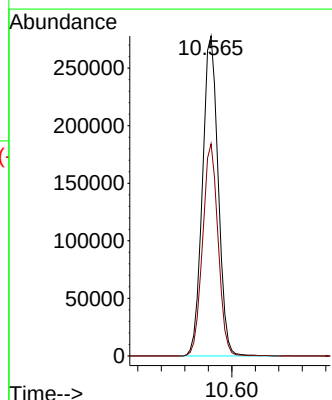
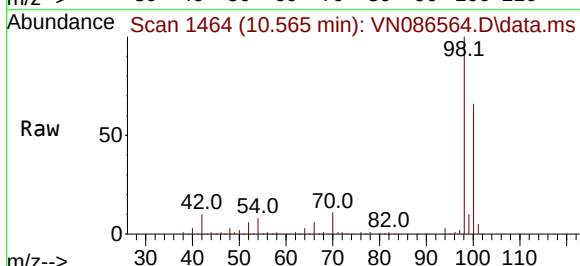
Acq: 09 May 2025 16:08

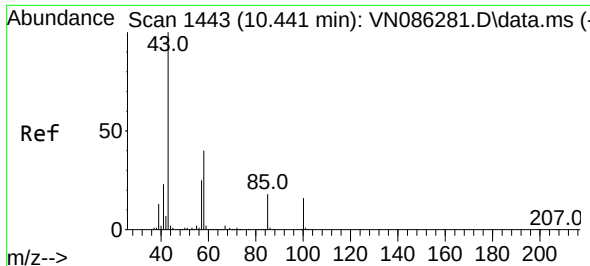
Tgt Ion: 98 Resp: 515849

Ion Ratio Lower Upper

98 100

100 65.2 52.5 78.7

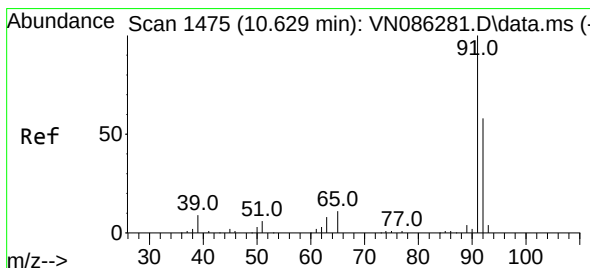
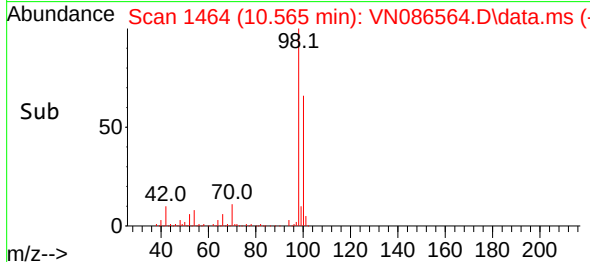
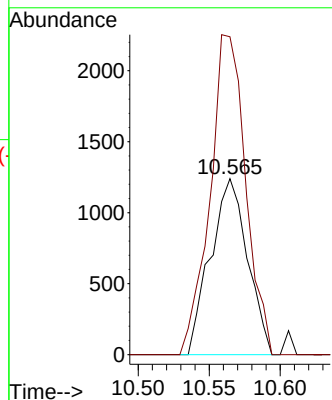
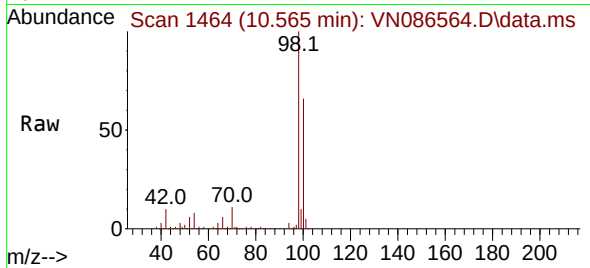




#51
4-Methyl-2-Pentanone
Concen: 0.551 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.123 min
Lab File: VN086564.D
Acq: 09 May 2025 16:08

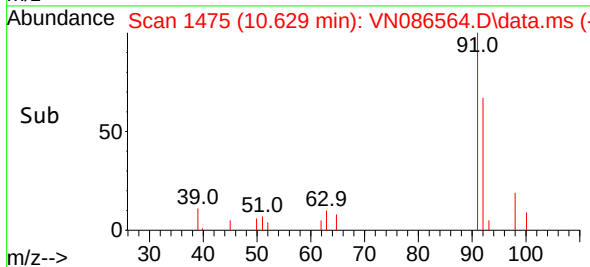
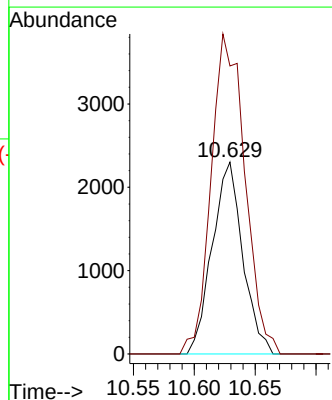
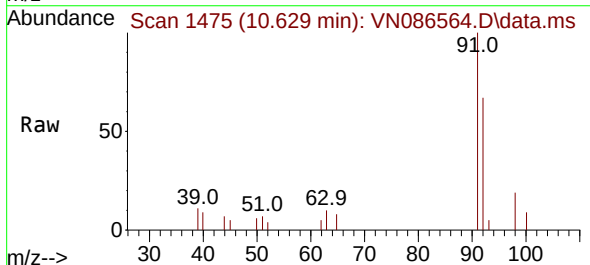
Instrument :
MSVOA_N
ClientSampleId :
IBLK

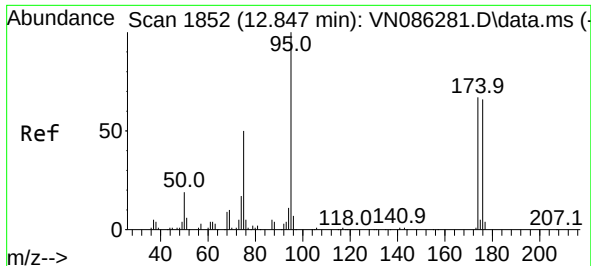
Tgt Ion: 43 Resp: 2246
Ion Ratio Lower Upper
43 100
58 175.2 32.2 48.4#



#52
Toluene
Concen: 0.532 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN086564.D
Acq: 09 May 2025 16:08

Tgt Ion: 92 Resp: 4021
Ion Ratio Lower Upper
92 100
91 184.5 137.3 205.9

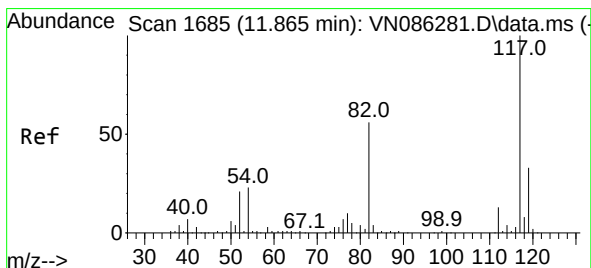
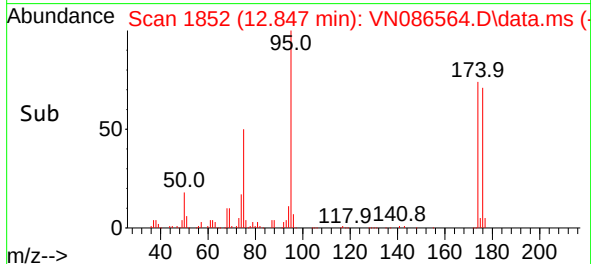
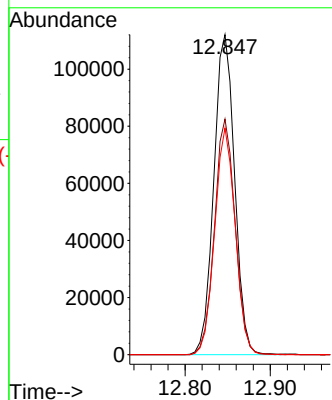
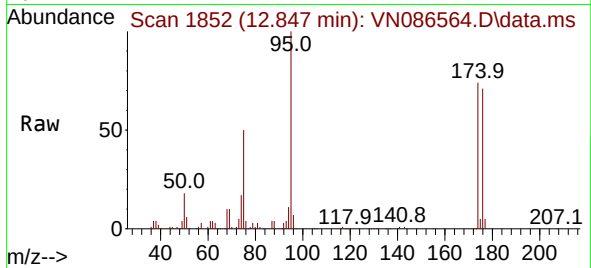




#62
4-Bromofluorobenzene
Concen: 51.568 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086564.D
Acq: 09 May 2025 16:08

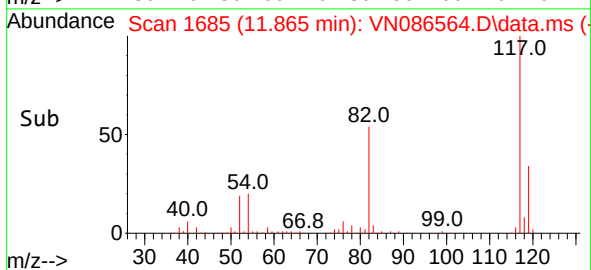
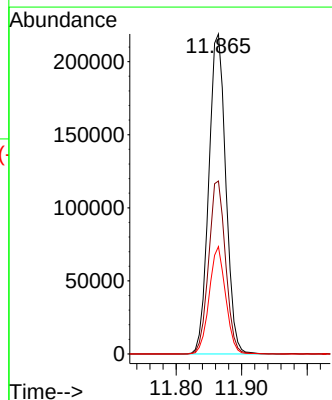
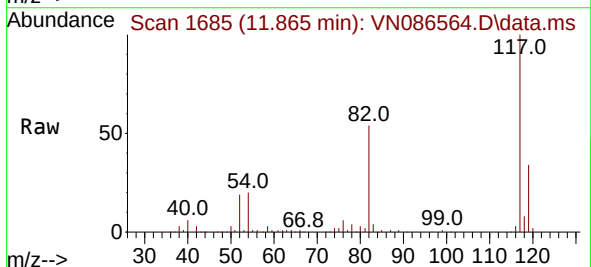
Instrument :
MSVOA_N
ClientSampleId :
IBLK

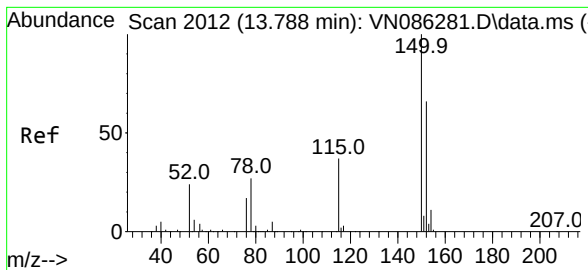
Tgt Ion: 95 Resp: 190257
Ion Ratio Lower Upper
95 100
174 73.2 0.0 133.4
176 70.0 0.0 129.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN086564.D
Acq: 09 May 2025 16:08

Tgt Ion: 117 Resp: 394695
Ion Ratio Lower Upper
117 100
82 54.1 44.7 67.1
119 33.6 26.4 39.6

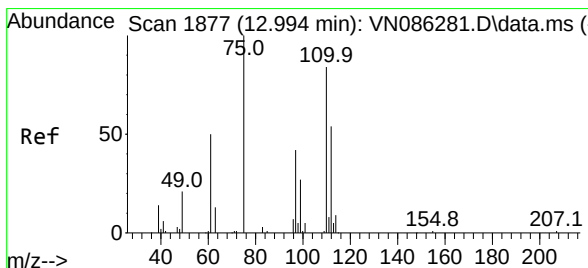
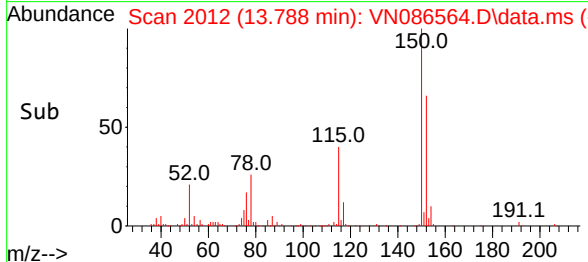
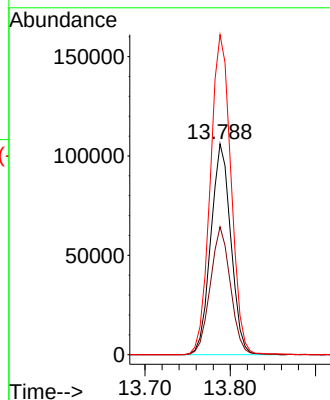
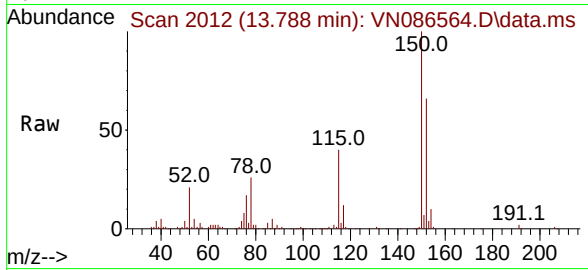




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 2012
 Delta R.T. -0.000 min
 Lab File: VN086564.D
 Acq: 09 May 2025 16:08

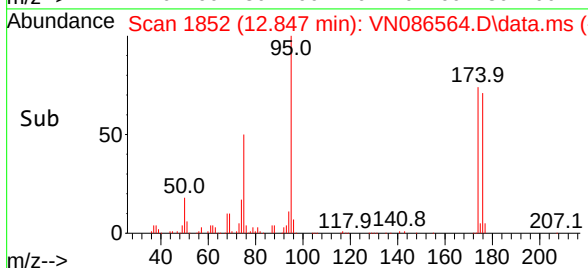
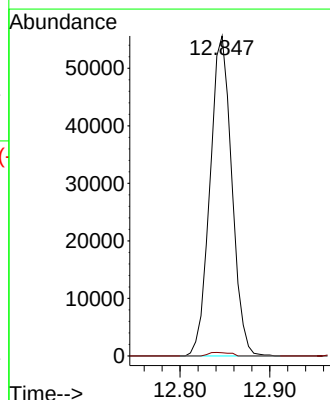
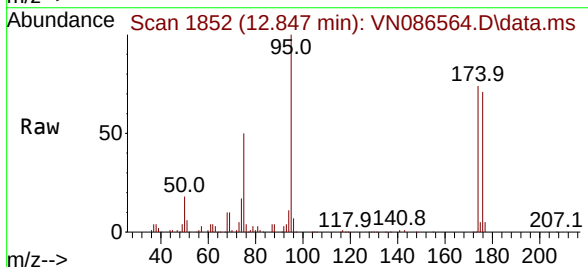
Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

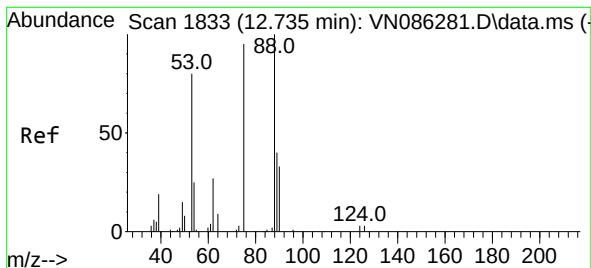
Tgt Ion:152 Resp: 173381
 Ion Ratio Lower Upper
 152 100
 115 61.2 31.9 95.9
 150 156.5 0.0 352.0



#76
 1,2,3-Trichloropropane
 Concen: 22.961 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.147 min
 Lab File: VN086564.D
 Acq: 09 May 2025 16:08

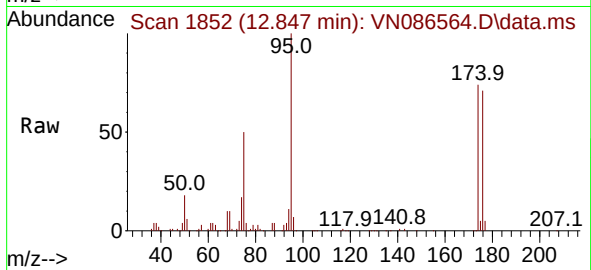
Tgt Ion: 75 Resp: 93944
 Ion Ratio Lower Upper
 75 100
 77 1.1 98.8 296.4#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 55.143 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN086564.D
 Acq: 09 May 2025 16:08

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK



Tgt Ion: 75 Resp: 93944
 Ion Ratio Lower Upper
 75 100
 53 0.0 79.2 118.8#
 89 0.0 35.7 53.5#

