

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061725\
 Data File : VN087066.D
 Acq On : 17 Jun 2025 17:34
 Operator : JC\MD
 Sample : Q2329-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 FB01-20250613

Quant Time: Jun 18 01:51:58 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)

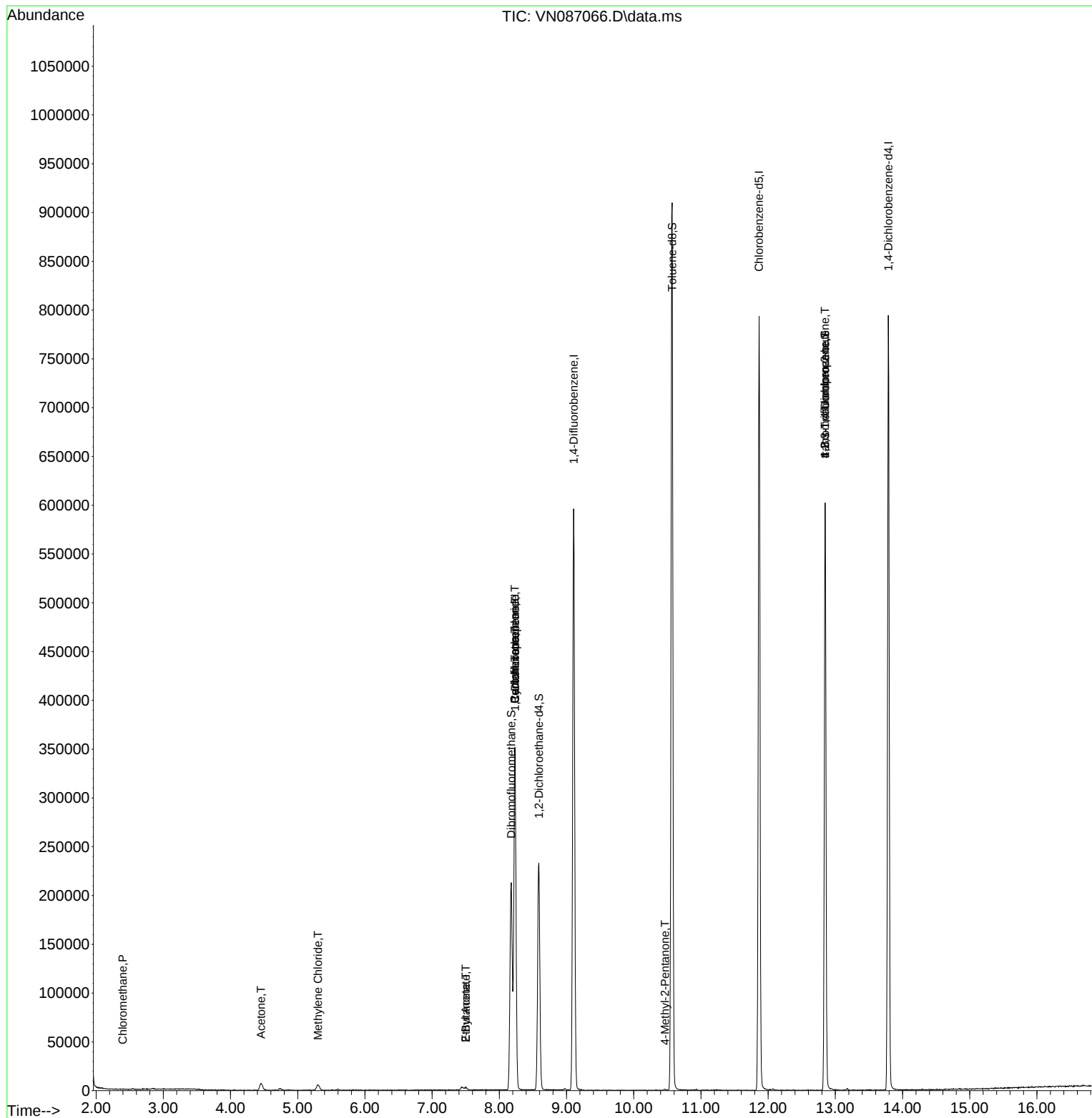
Internal Standards						
1) Pentafluorobenzene	8.230	168	280200	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	557377	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	497814	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	233303	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	191431	51.027	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 102.060%		
35) Dibromofluoromethane	8.177	113	166735	50.478	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 100.960%		
50) Toluene-d8	10.571	98	682490	52.193	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 104.380%		
62) 4-Bromofluorobenzene	12.847	95	239110	49.218	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	= 98.440%		
Target Compounds						
3) Chloromethane	2.395	50	870	0.241	ug/l	Qvalue 96
16) Acetone	4.453	43	14896	7.487	ug/l	89
20) Methylene Chloride	5.300	84	5397	1.449	ug/l	91
25) 2-Butanone	7.500	43	4732	1.463	ug/l	93
31) Cyclohexane	8.230	56	5038	0.828	ug/l #	1
36) 1,1-Dichloropropene	8.236	75	20980	4.262	ug/l #	48
37) Ethyl Acetate	7.500	43	4732	0.755	ug/l #	66
38) Carbon Tetrachloride	8.230	117	27427	5.676	ug/l #	15
51) 4-Methyl-2-Pentanone	10.465	43	1273	0.210	ug/l #	78
76) 1,2,3-Trichloropropane	12.847	75	109992	19.834	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	109992	45.656	ug/l #	16

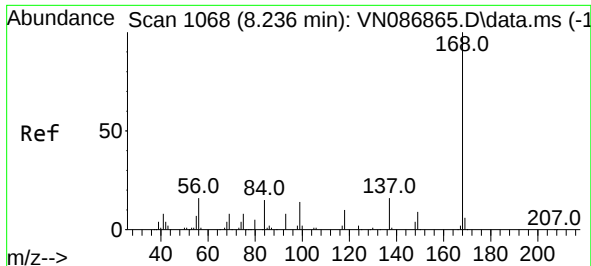
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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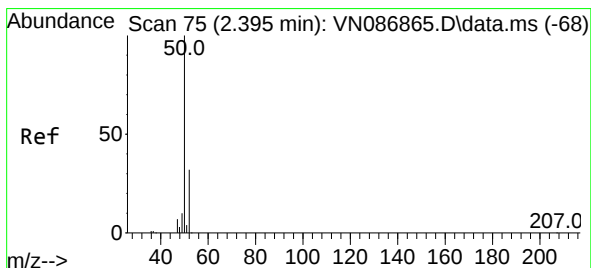
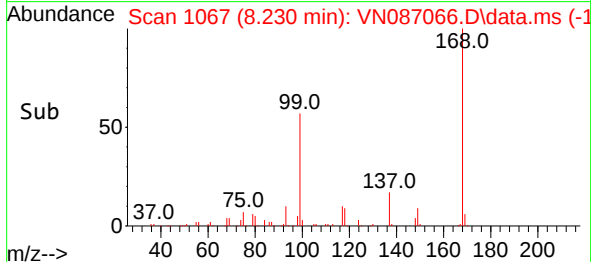
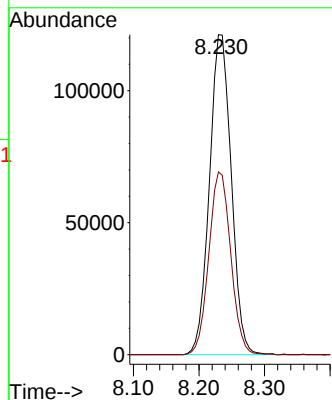
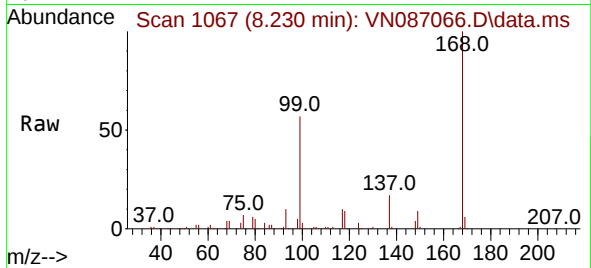




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.006 min
Lab File: VN087066.D
Acq: 17 Jun 2025 17:34

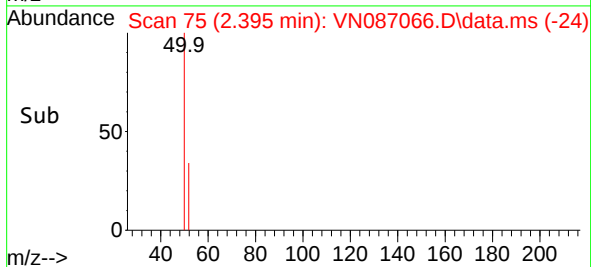
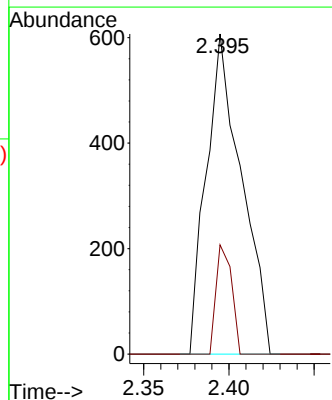
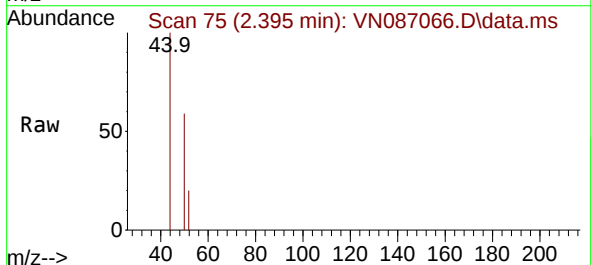
Instrument :
MSVOA_N
ClientSampleId :
FB01-20250613

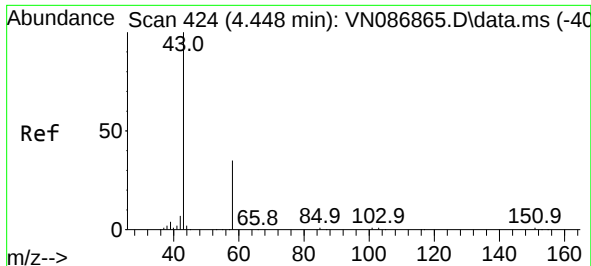
Tgt Ion:168 Resp: 280200
Ion Ratio Lower Upper
168 100
99 57.1 49.1 73.7



#3
Chloromethane
Concen: 0.241 ug/l
RT: 2.395 min Scan# 75
Delta R.T. -0.000 min
Lab File: VN087066.D
Acq: 17 Jun 2025 17:34

Tgt Ion: 50 Resp: 870
Ion Ratio Lower Upper
50 100
52 34.1 25.7 38.5

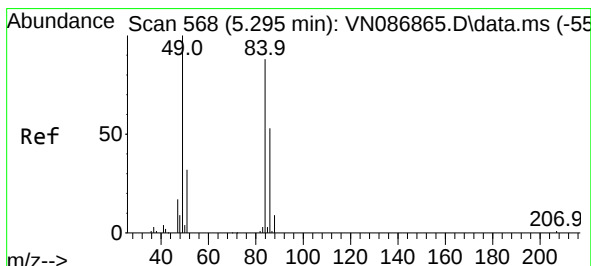
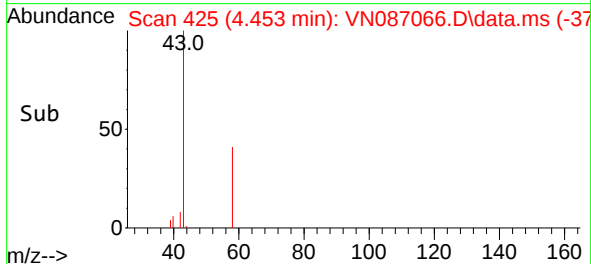
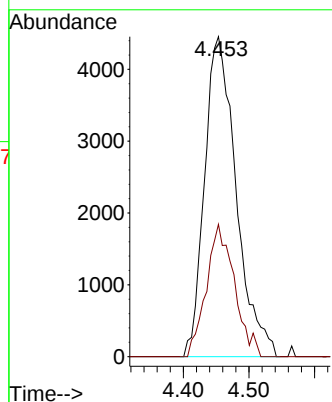
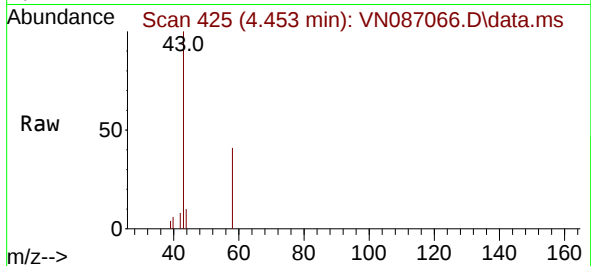




#16
Acetone
Concen: 7.487 ug/l
RT: 4.453 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN087066.D
Acq: 17 Jun 2025 17:34

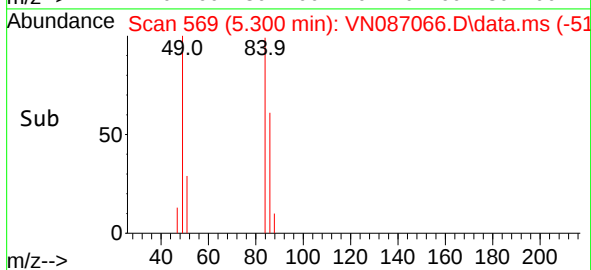
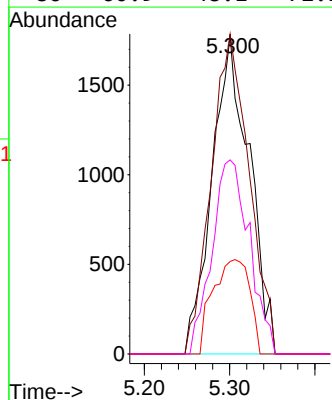
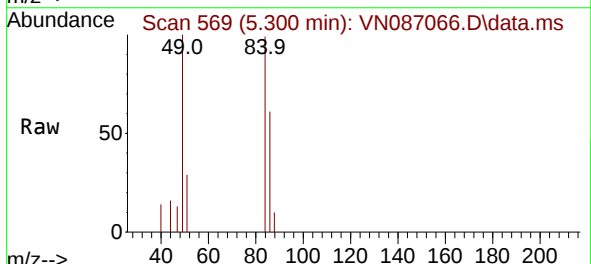
Instrument :
MSVOA_N
ClientSampleId :
FB01-20250613

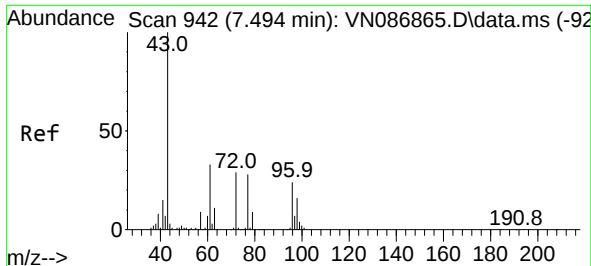
Tgt Ion: 43 Resp: 14896
Ion Ratio Lower Upper
43 100
58 41.3 28.0 42.0



#20
Methylene Chloride
Concen: 1.449 ug/l
RT: 5.300 min Scan# 569
Delta R.T. 0.006 min
Lab File: VN087066.D
Acq: 17 Jun 2025 17:34

Tgt Ion: 84 Resp: 5397
Ion Ratio Lower Upper
84 100
49 100.5 90.5 135.7
51 29.0 28.5 42.7
86 60.9 48.1 72.1

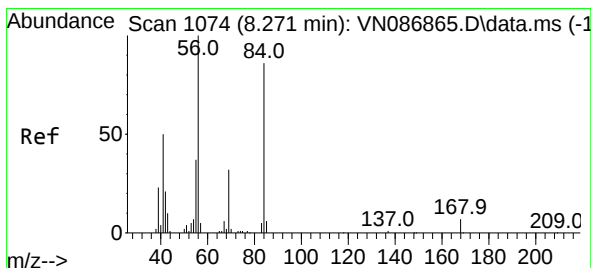
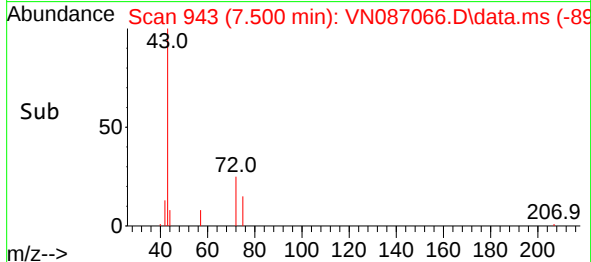
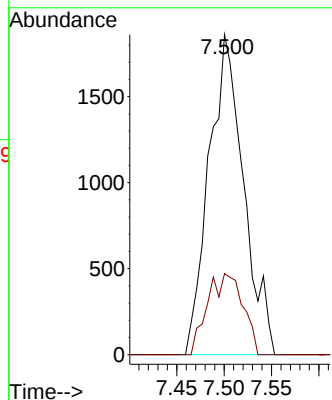
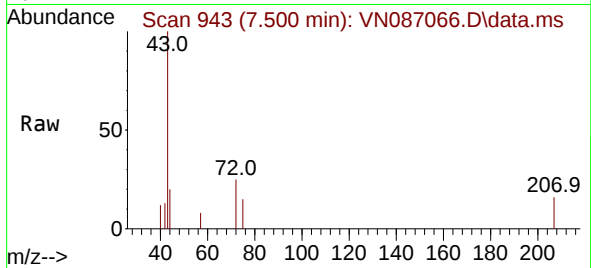




#25
2-Butanone
Concen: 1.463 ug/l
RT: 7.500 min Scan# 942
Delta R.T. 0.006 min
Lab File: VN087066.D
Acq: 17 Jun 2025 17:34

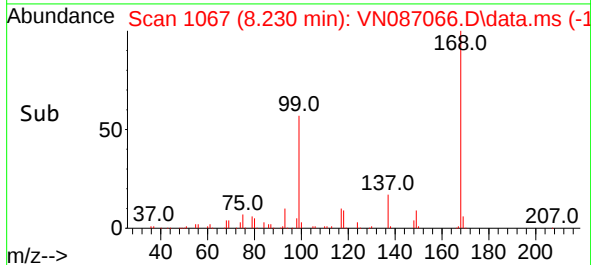
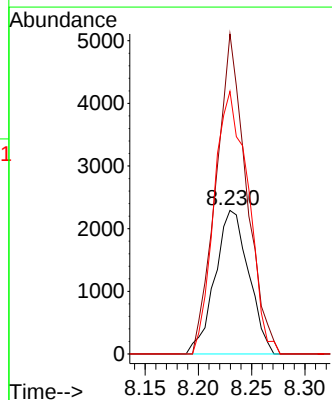
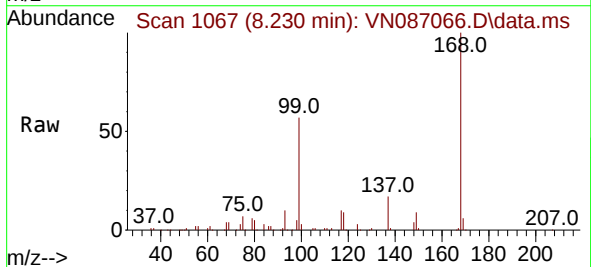
Instrument :
MSVOA_N
ClientSampleId :
FB01-20250613

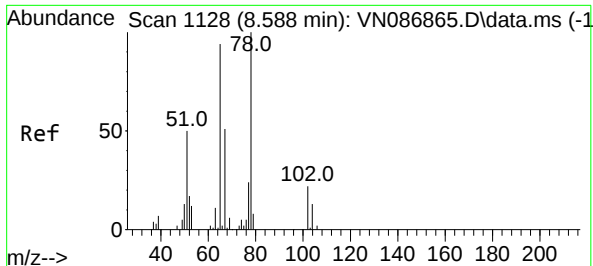
Tgt Ion: 43 Resp: 4732
Ion Ratio Lower Upper
43 100
72 25.3 23.0 34.6



#31
Cyclohexane
Concen: 0.828 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.041 min
Lab File: VN087066.D
Acq: 17 Jun 2025 17:34

Tgt Ion: 56 Resp: 5038
Ion Ratio Lower Upper
56 100
69 222.9 25.4 38.0#
84 182.8 68.8 103.2#





#33

1,2-Dichloroethane-d4

Concen: 51.027 ug/l

RT: 8.588 min Scan# 1128

Delta R.T. -0.000 min

Lab File: VN087066.D

Acq: 17 Jun 2025 17:34

Instrument :

MSVOA_N

ClientSampleId :

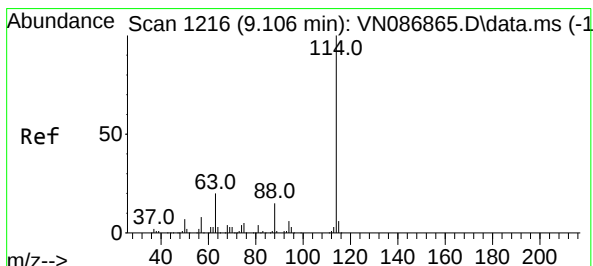
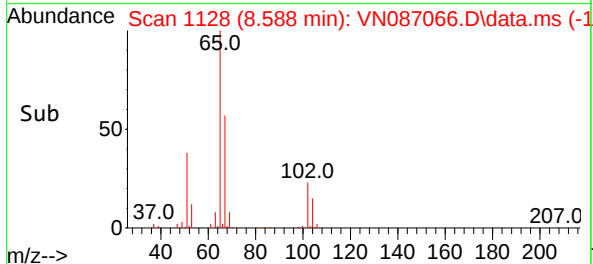
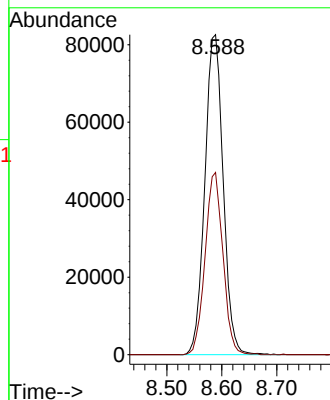
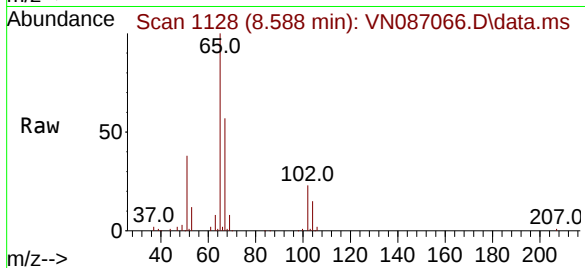
FB01-20250613

Tgt Ion: 65 Resp: 191431

Ion Ratio Lower Upper

65 100

67 55.4 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: VN087066.D

Acq: 17 Jun 2025 17:34

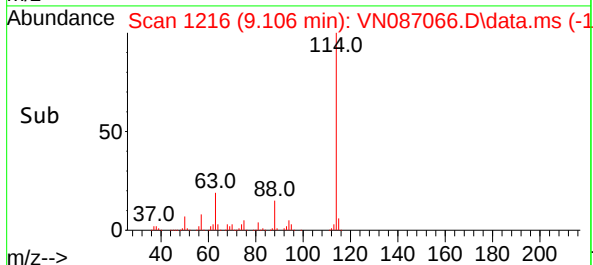
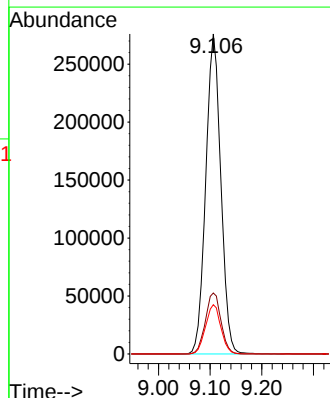
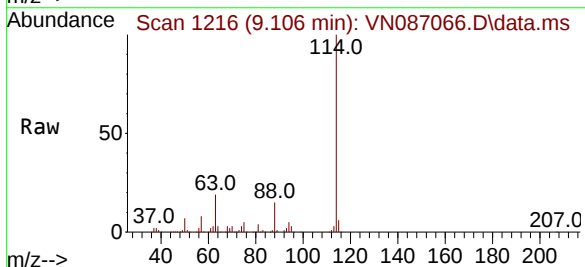
Tgt Ion: 114 Resp: 557377

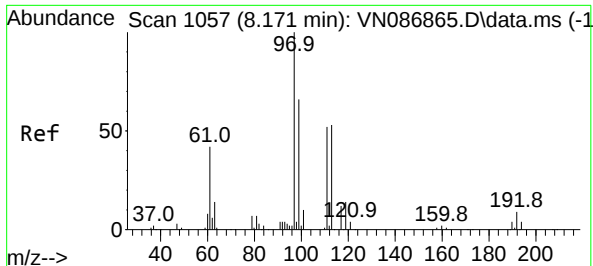
Ion Ratio Lower Upper

114 100

63 19.1 0.0 39.6

88 15.4 0.0 30.2





#35

Dibromofluoromethane

Concen: 50.478 ug/l

RT: 8.177 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN087066.D

Acq: 17 Jun 2025 17:34

Instrument :

MSVOA_N

ClientSampleId :

FB01-20250613

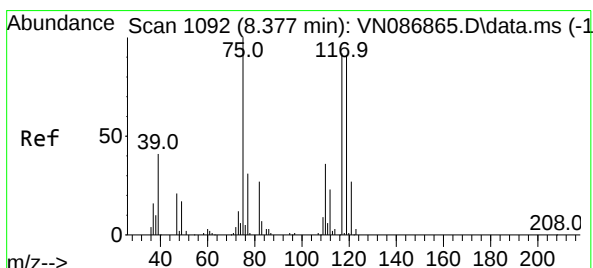
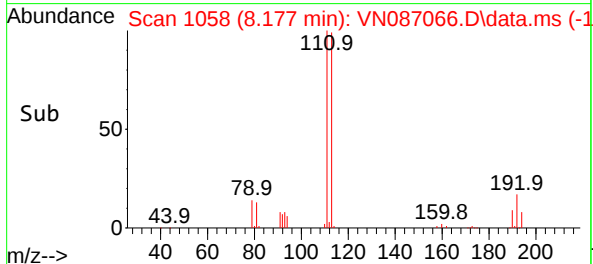
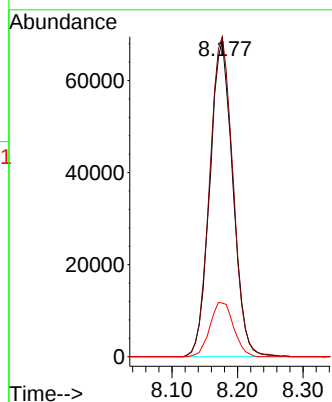
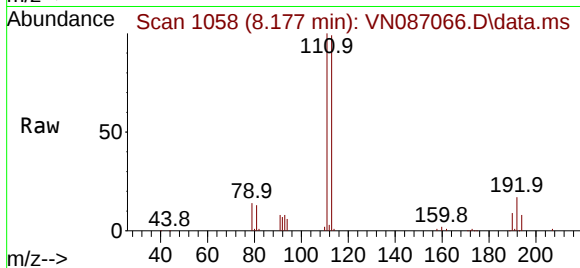
Tgt Ion:113 Resp: 166735

Ion Ratio Lower Upper

113 100

111 103.0 84.2 126.2

192 17.7 14.2 21.4



#36

1,1-Dichloropropene

Concen: 4.262 ug/l

RT: 8.236 min Scan# 1068

Delta R.T. -0.141 min

Lab File: VN087066.D

Acq: 17 Jun 2025 17:34

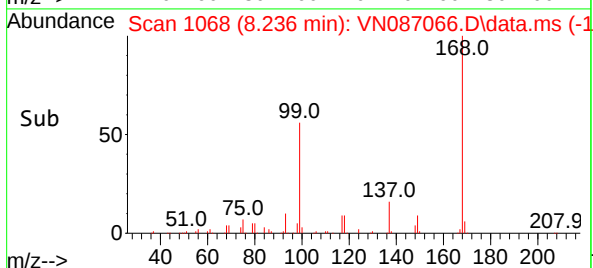
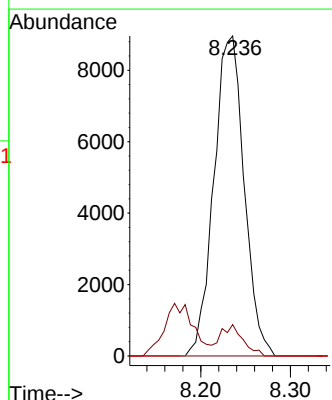
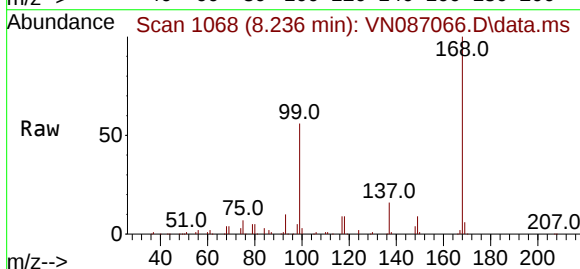
Tgt Ion: 75 Resp: 20980

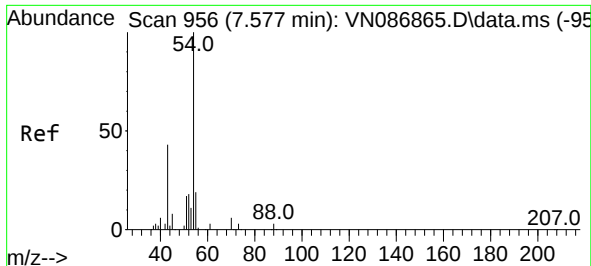
Ion Ratio Lower Upper

75 100

110 7.2 17.6 52.9#

77 0.0 25.3 37.9#

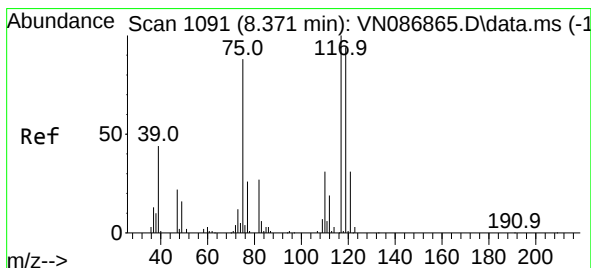
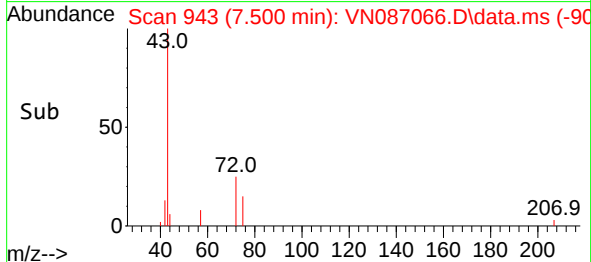
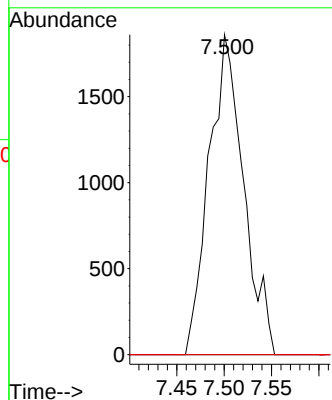
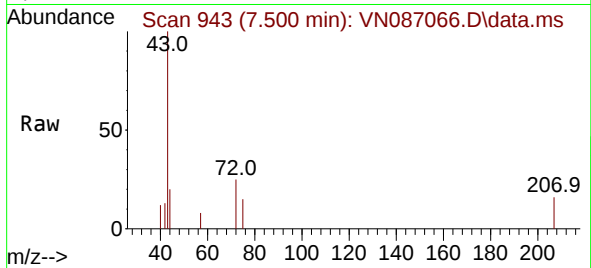




#37
Ethyl Acetate
Concen: 0.755 ug/l
RT: 7.500 min Scan# 943
Delta R.T. -0.076 min
Lab File: VN087066.D
Acq: 17 Jun 2025 17:34

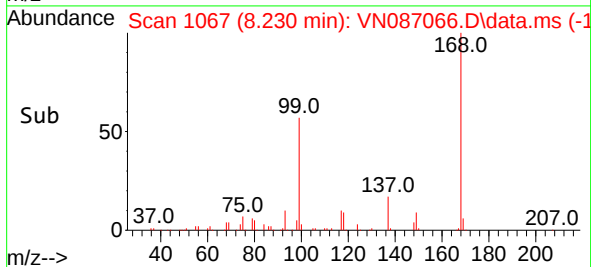
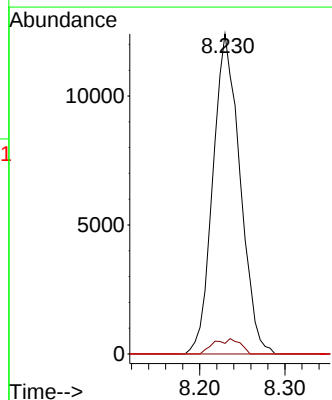
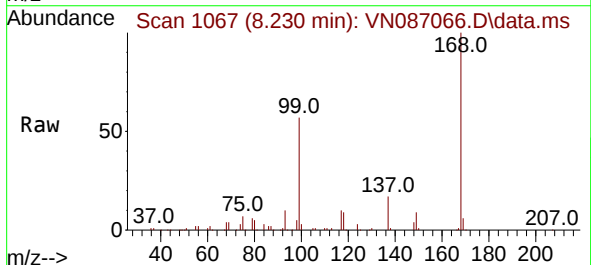
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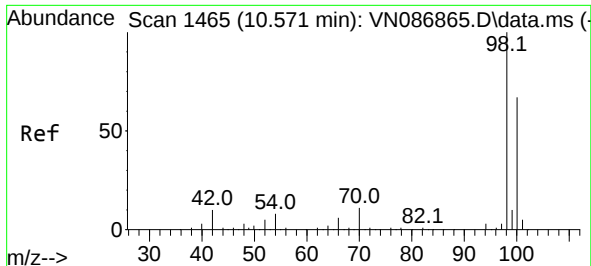
Tgt Ion: 43 Resp: 4732
Ion Ratio Lower Upper
43 100
61 0.0 12.1 18.1#
70 0.0 9.8 14.6#



#38
Carbon Tetrachloride
Concen: 5.676 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.141 min
Lab File: VN087066.D
Acq: 17 Jun 2025 17:34

Tgt Ion: 117 Resp: 27427
Ion Ratio Lower Upper
117 100
119 3.3 75.0 112.6#
121 0.0 24.9 37.3#

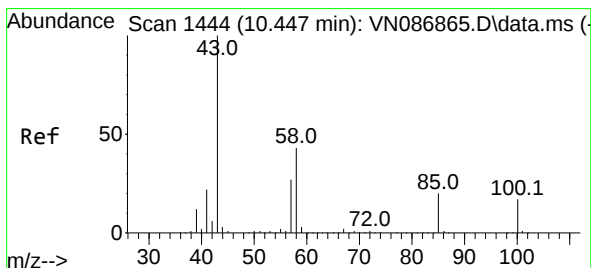
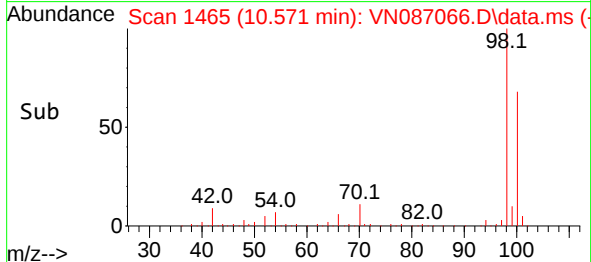
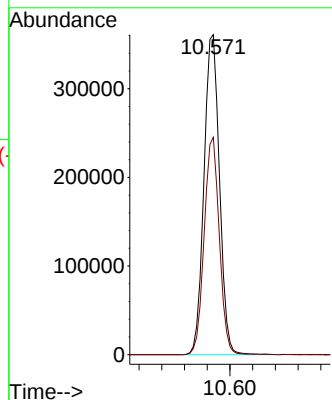
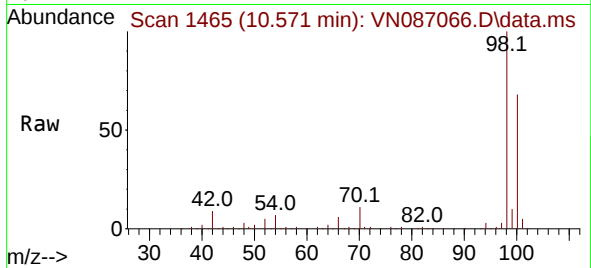




#50
Toluene-d8
Concen: 52.193 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN087066.D
Acq: 17 Jun 2025 17:34

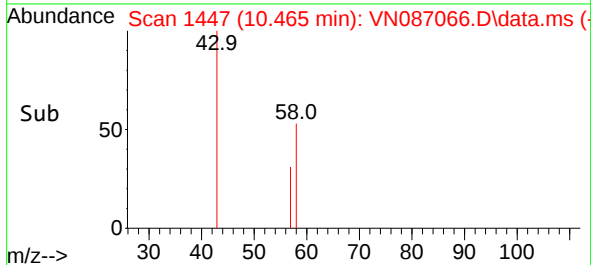
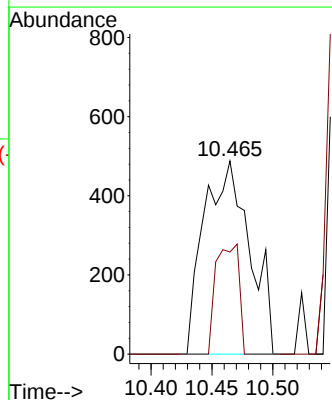
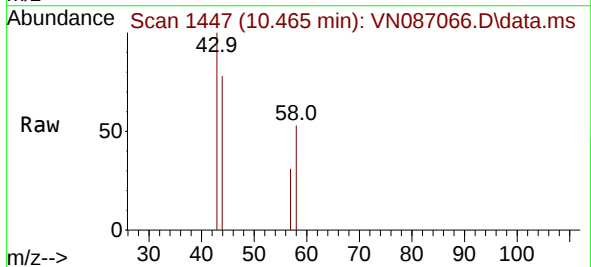
Instrument :
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FB01-20250613

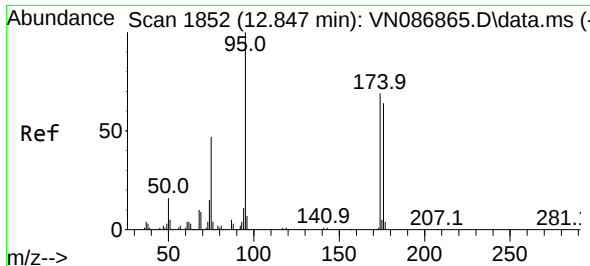
Tgt Ion: 98 Resp: 682490
Ion Ratio Lower Upper
98 100
100 66.4 53.4 80.0



#51
4-Methyl-2-Pentanone
Concen: 0.210 ug/l
RT: 10.465 min Scan# 1447
Delta R.T. 0.018 min
Lab File: VN087066.D
Acq: 17 Jun 2025 17:34

Tgt Ion: 43 Resp: 1273
Ion Ratio Lower Upper
43 100
58 28.7 34.2 51.4#

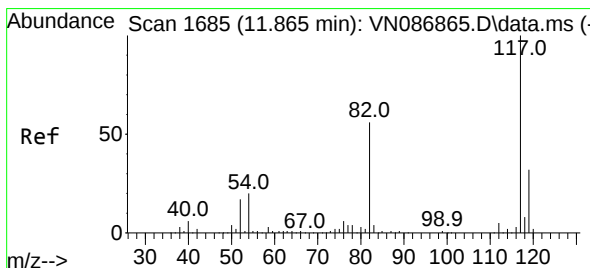
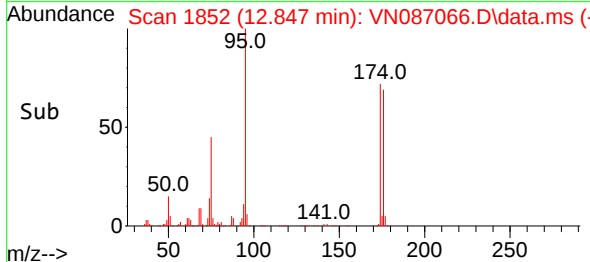
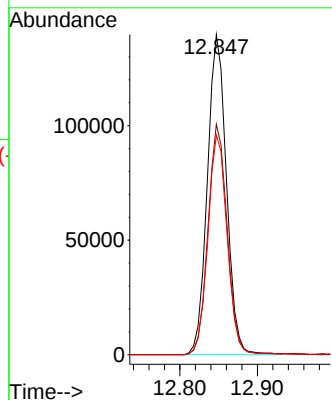
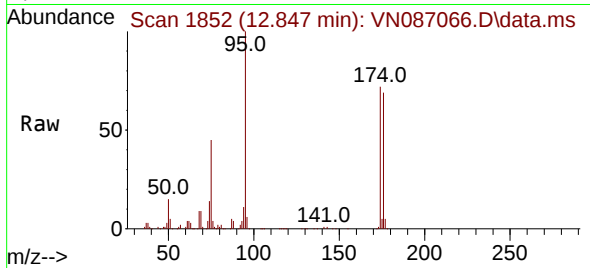




#62
4-Bromofluorobenzene
Concen: 49.218 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN087066.D
Acq: 17 Jun 2025 17:34

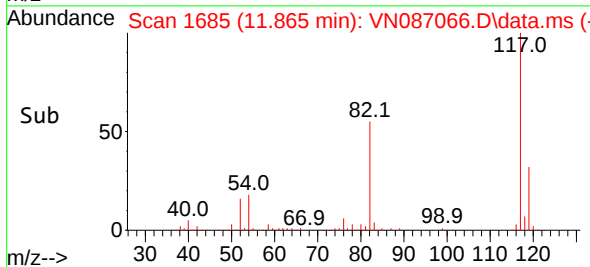
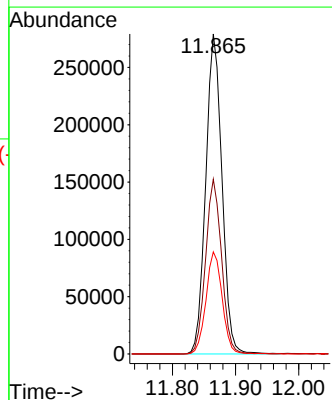
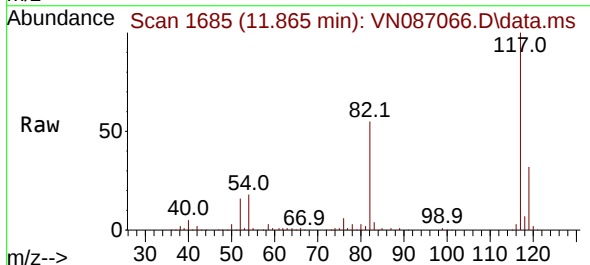
Instrument :
MSVOA_N
ClientSampleId :
FB01-20250613

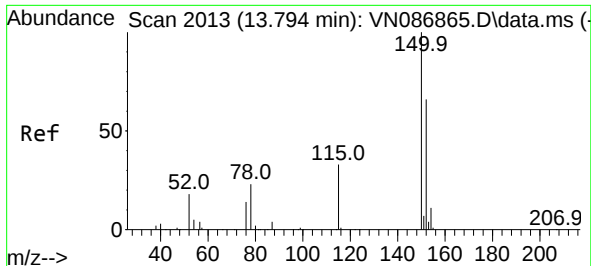
Tgt Ion: 95 Resp: 239110
Ion Ratio Lower Upper
95 100
174 71.9 0.0 141.8
176 69.2 0.0 132.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN087066.D
Acq: 17 Jun 2025 17:34

Tgt Ion: 117 Resp: 497814
Ion Ratio Lower Upper
117 100
82 54.6 44.6 67.0
119 31.9 25.5 38.3

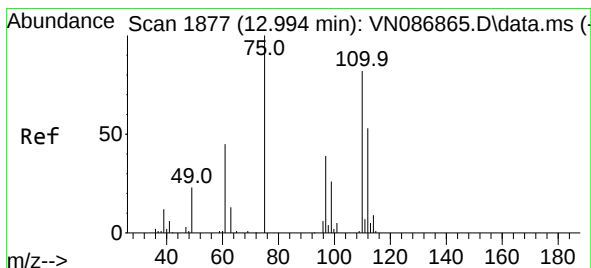
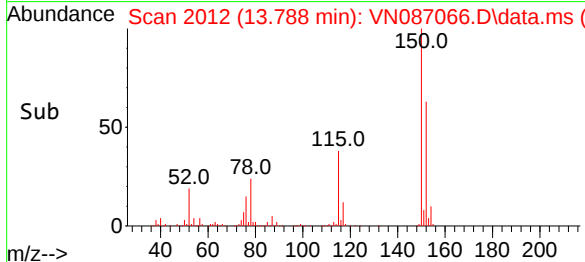
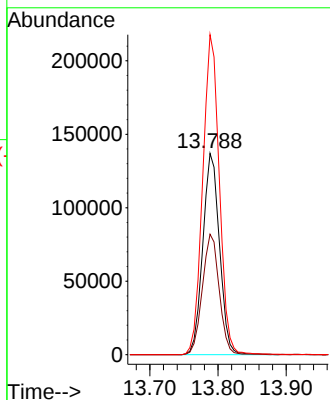
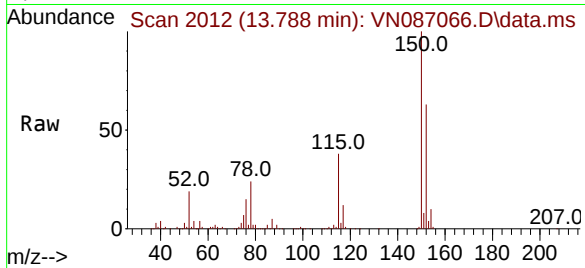




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 20
Delta R.T. -0.006 min
Lab File: VN087066.D
Acq: 17 Jun 2025 17:34

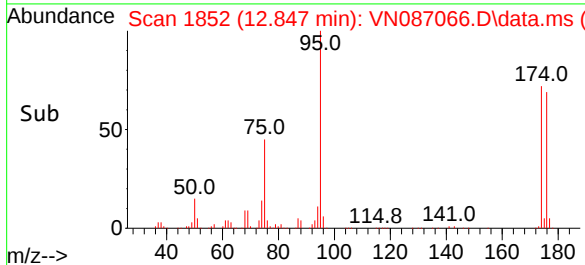
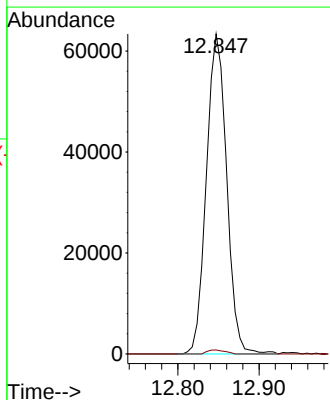
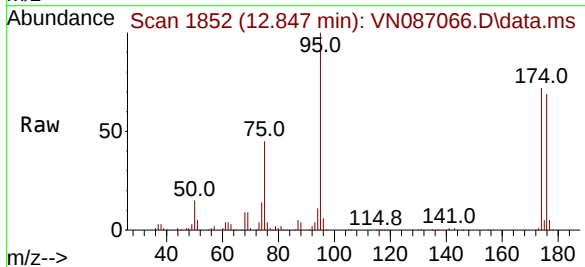
Instrument :
MSVOA_N
ClientSampleId :
FB01-20250613

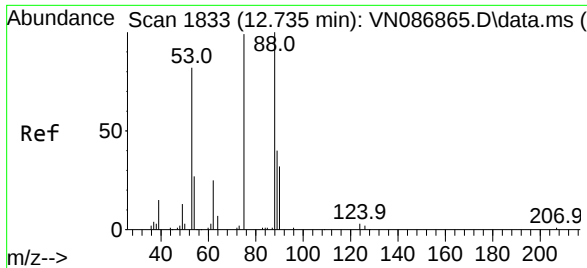
Tgt Ion:152 Resp: 233303
Ion Ratio Lower Upper
152 100
115 60.4 30.1 90.5
150 158.8 0.0 345.0



#76
1,2,3-Trichloropropane
Concen: 19.834 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN087066.D
Acq: 17 Jun 2025 17:34

Tgt Ion: 75 Resp: 109992
Ion Ratio Lower Upper
75 100
77 1.1 79.3 237.9#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 45.656 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN087066.D
 Acq: 17 Jun 2025 17:34

Instrument :
 MSVOA_N
 ClientSampleId :
 FB01-20250613

Tgt Ion: 75 Resp: 109992
 Ion Ratio Lower Upper
 75 100
 53 0.0 66.6 99.8#
 89 0.0 36.7 55.1#

