

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061925\
 Data File : VN087103.D
 Acq On : 19 Jun 2025 10:47
 Operator : JC\MD
 Sample : Q2329-15RE
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 EB01-20250613

Quant Time: Jun 20 01:21:16 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	167515	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	339842	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	308249	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	141080	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	127623	56.902	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	113.800%
35) Dibromofluoromethane	8.177	113	107337	53.296	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	106.600%
50) Toluene-d8	10.565	98	423645	53.136	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	106.280%
62) 4-Bromofluorobenzene	12.847	95	144889	48.914	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	97.820%

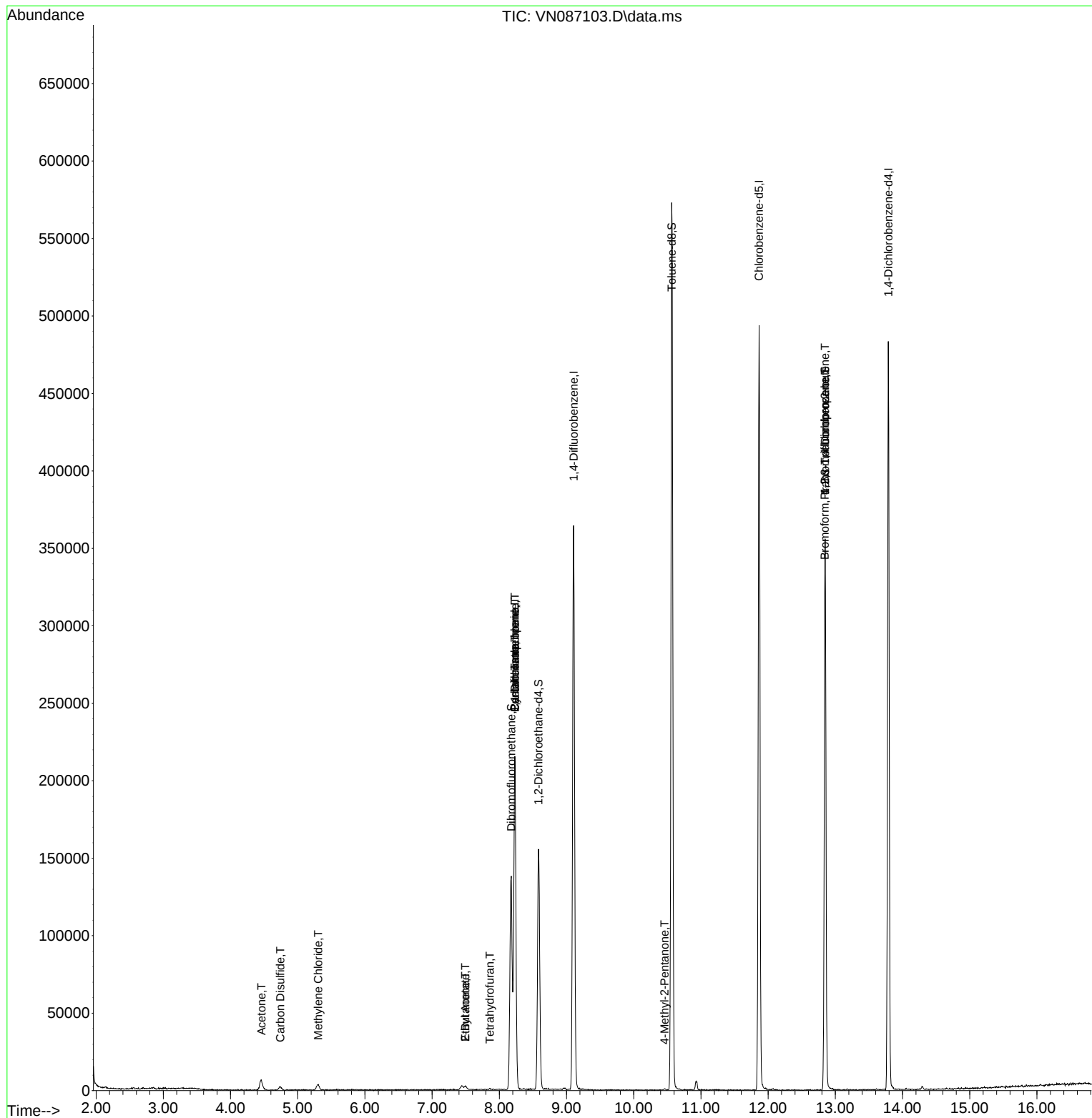
Target Compounds					Qvalue	
16) Acetone	4.459	43	13800	11.603	ug/l	96
17) Carbon Disulfide	4.742	76	2200	0.427	ug/l #	75
20) Methylene Chloride	5.306	84	3318	1.490	ug/l	84
25) 2-Butanone	7.494	43	4012	2.075	ug/l	96
29) Tetrahydrofuran	7.859	42	306	0.243	ug/l #	57
31) Cyclohexane	8.230	56	3248	0.893	ug/l #	1
36) 1,1-Dichloropropene	8.230	75	13095	4.363	ug/l #	46
37) Ethyl Acetate	7.494	43	4012	1.050	ug/l #	66
38) Carbon Tetrachloride	8.230	117	16377	5.558	ug/l #	17
51) 4-Methyl-2-Pentanone	10.459	43	971	0.263	ug/l #	61
71) Bromoform	12.841	173	788	0.487	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	67205	20.040	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	67205	46.131	ug/l #	16

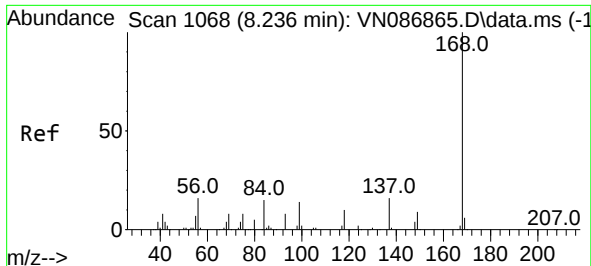
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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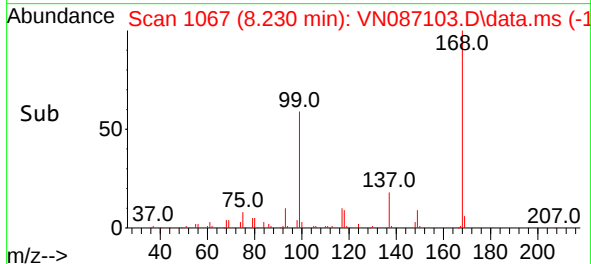
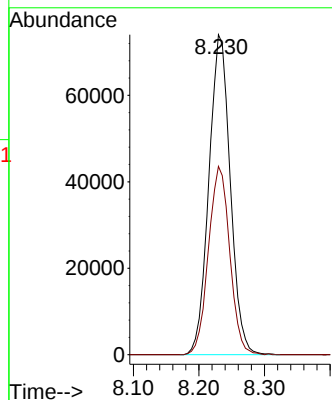
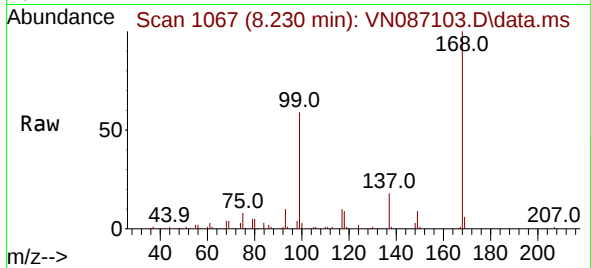




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN087103.D
Acq: 19 Jun 2025 10:47

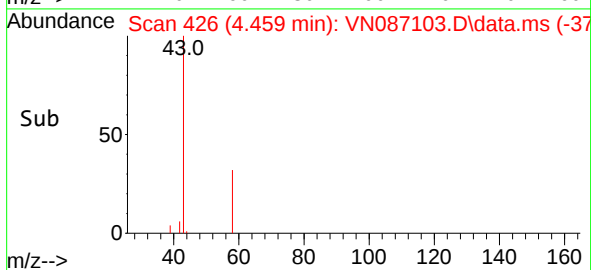
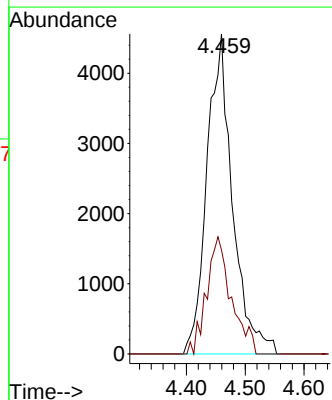
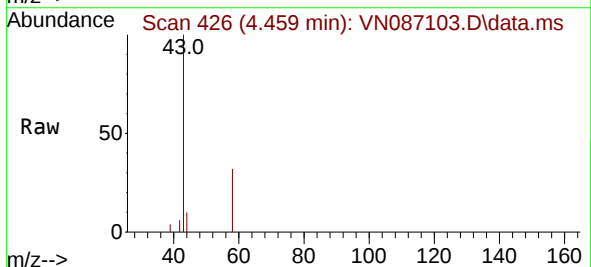
Instrument :
MSVOA_N
ClientSampleId :
EB01-20250613

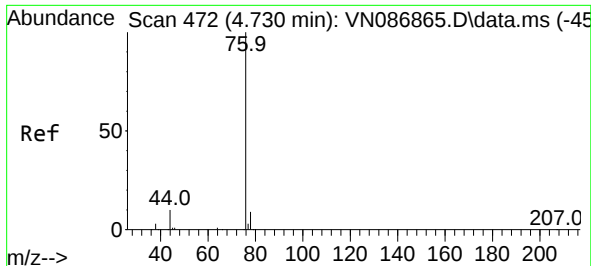
Tgt Ion:168 Resp: 167515
Ion Ratio Lower Upper
168 100
99 58.9 49.1 73.7



#16
Acetone
Concen: 11.603 ug/l
RT: 4.459 min Scan# 426
Delta R.T. 0.012 min
Lab File: VN087103.D
Acq: 19 Jun 2025 10:47

Tgt Ion: 43 Resp: 13800
Ion Ratio Lower Upper
43 100
58 32.5 28.0 42.0

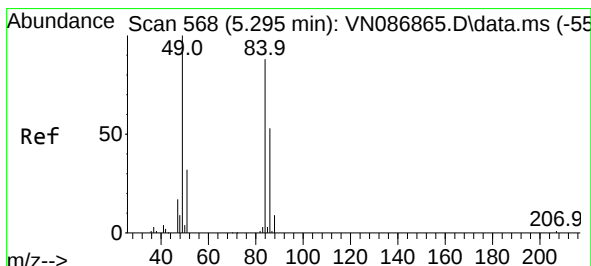
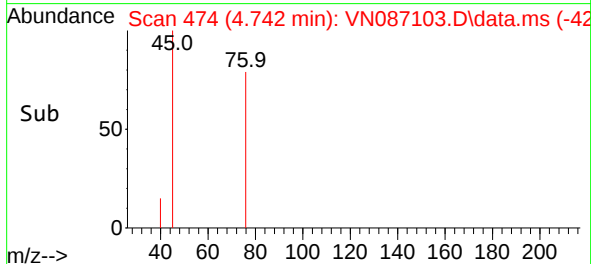
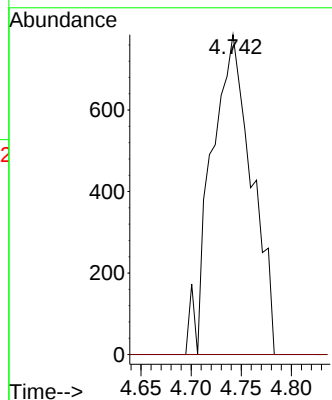
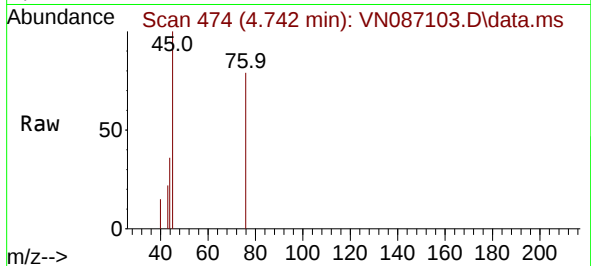




#17
Carbon Disulfide
Concen: 0.427 ug/l
RT: 4.742 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN087103.D
Acq: 19 Jun 2025 10:47

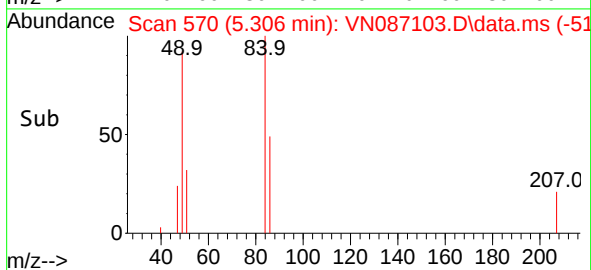
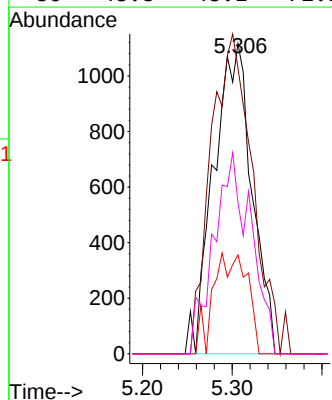
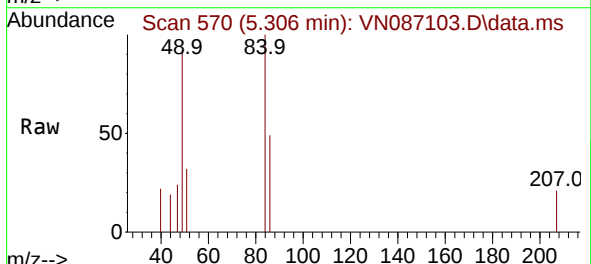
Instrument :
MSVOA_N
ClientSampleId :
EB01-20250613

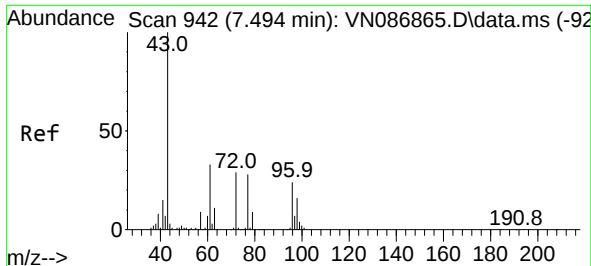
Tgt Ion: 76 Resp: 2200
Ion Ratio Lower Upper
76 100
78 0.0 7.3 10.9#



#20
Methylene Chloride
Concen: 1.490 ug/l
RT: 5.306 min Scan# 570
Delta R.T. 0.012 min
Lab File: VN087103.D
Acq: 19 Jun 2025 10:47

Tgt Ion: 84 Resp: 3318
Ion Ratio Lower Upper
84 100
49 92.2 90.5 135.7
51 31.9 28.5 42.7
86 48.8 48.1 72.1

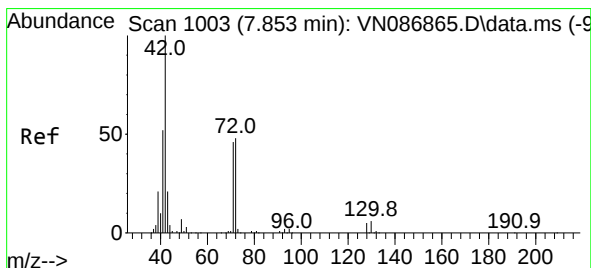
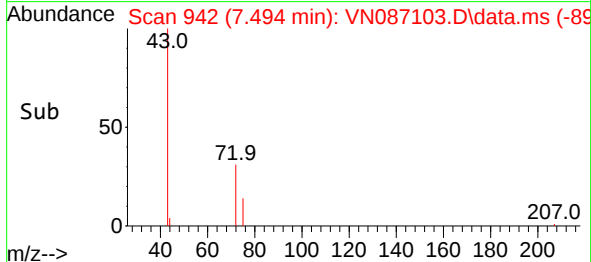
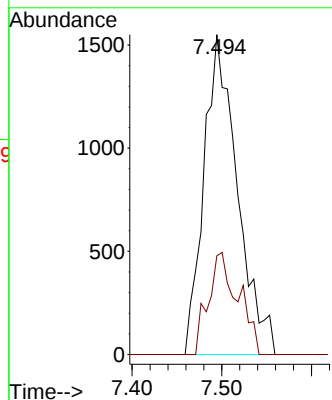
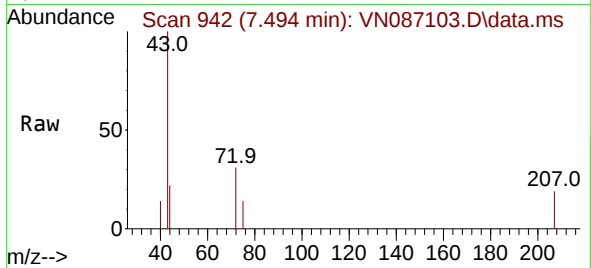




#25
2-Butanone
Concen: 2.075 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.000 min
Lab File: VN087103.D
Acq: 19 Jun 2025 10:47

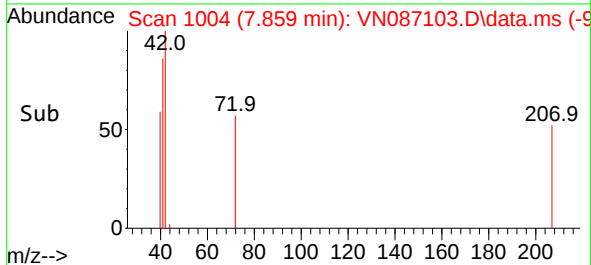
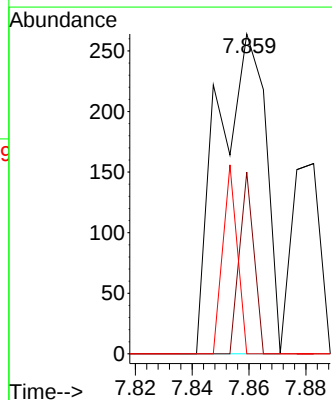
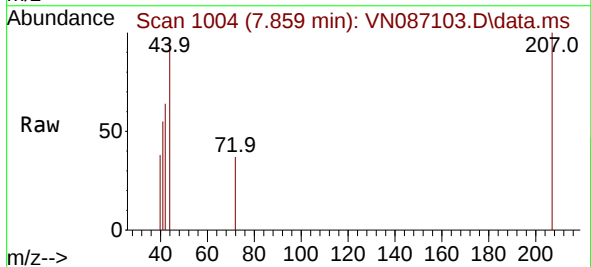
Instrument :
MSVOA_N
ClientSampleId :
EB01-20250613

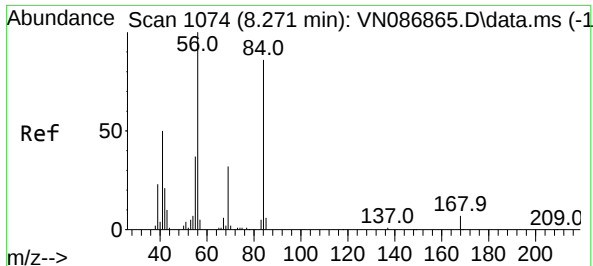
Tgt Ion: 43 Resp: 4012
Ion Ratio Lower Upper
43 100
72 30.9 23.0 34.6



#29
Tetrahydrofuran
Concen: 0.243 ug/l
RT: 7.859 min Scan# 1004
Delta R.T. 0.006 min
Lab File: VN087103.D
Acq: 19 Jun 2025 10:47

Tgt Ion: 42 Resp: 306
Ion Ratio Lower Upper
42 100
72 17.3 37.8 56.6#
71 18.0 35.6 53.4#

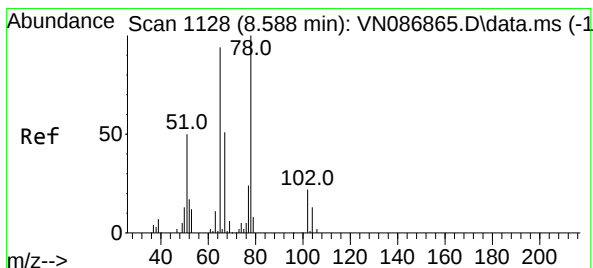
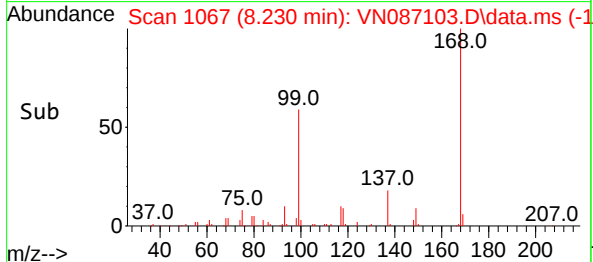
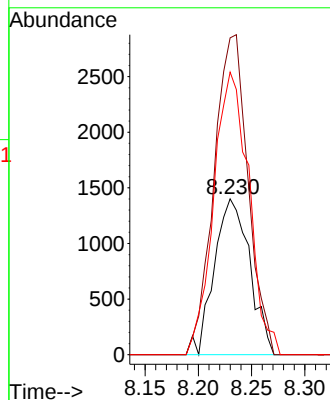
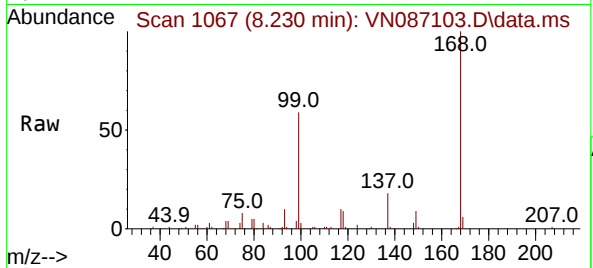




#31
Cyclohexane
Concen: 0.893 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.041 min
Lab File: VN087103.D
Acq: 19 Jun 2025 10:47

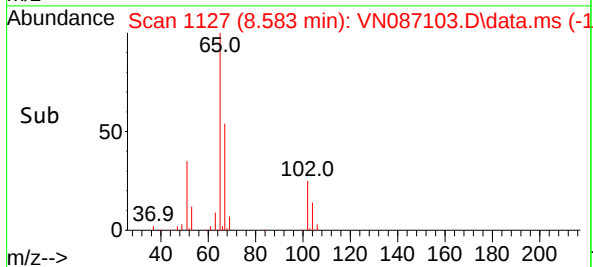
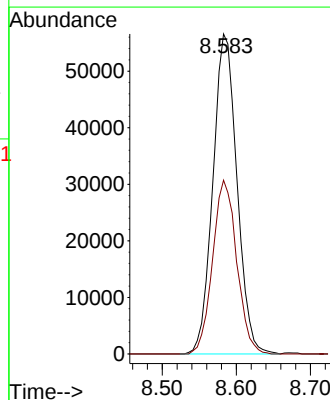
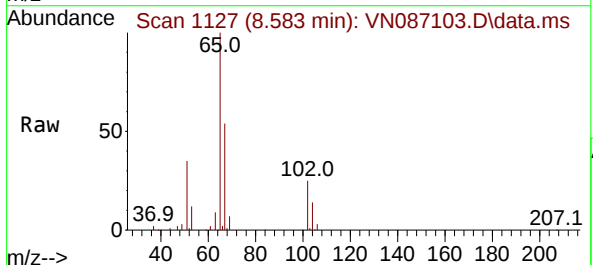
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ClientSampleId :
EB01-20250613

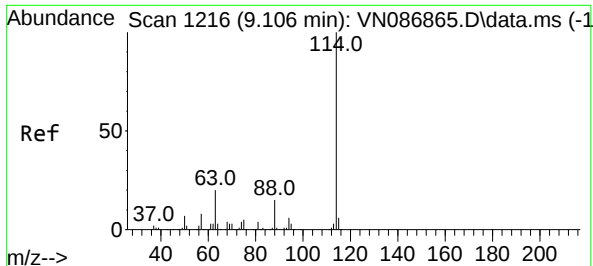
Tgt Ion: 56 Resp: 3248
Ion Ratio Lower Upper
56 100
69 203.3 25.4 38.0#
84 181.4 68.8 103.2#



#33
1,2-Dichloroethane-d4
Concen: 56.902 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. -0.006 min
Lab File: VN087103.D
Acq: 19 Jun 2025 10:47

Tgt Ion: 65 Resp: 127623
Ion Ratio Lower Upper
65 100
67 54.4 0.0 105.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN087103.D

Acq: 19 Jun 2025 10:47

Instrument :

MSVOA_N

ClientSampleId :

EB01-20250613

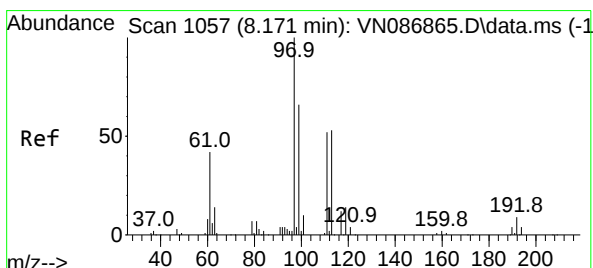
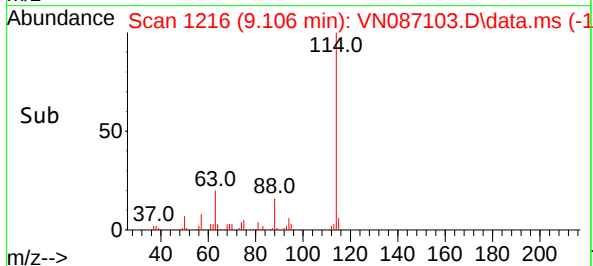
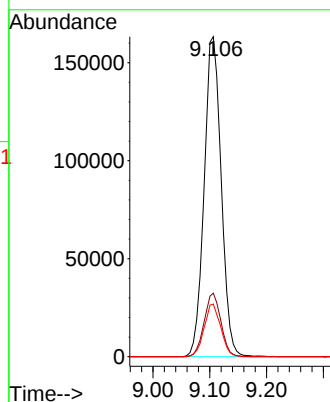
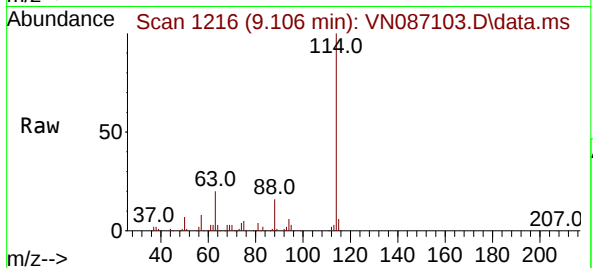
Tgt Ion:114 Resp: 339842

Ion Ratio Lower Upper

114 100

63 19.8 0.0 39.6

88 16.4 0.0 30.2



#35

Dibromofluoromethane

Concen: 53.296 ug/l

RT: 8.177 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VN087103.D

Acq: 19 Jun 2025 10:47

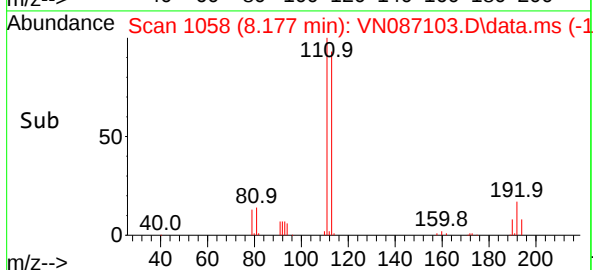
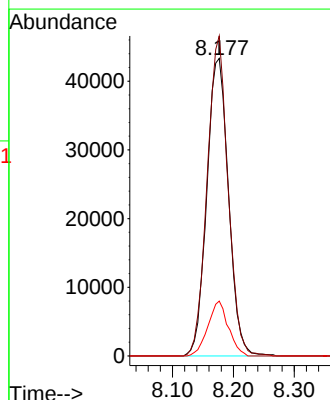
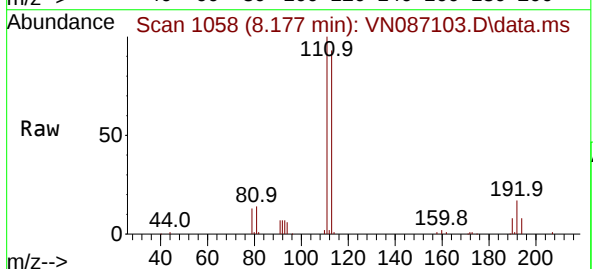
Tgt Ion:113 Resp: 107337

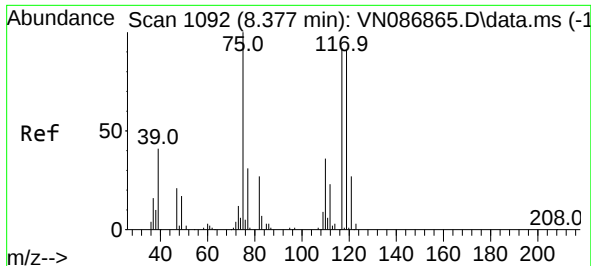
Ion Ratio Lower Upper

113 100

111 103.1 84.2 126.2

192 17.4 14.2 21.4

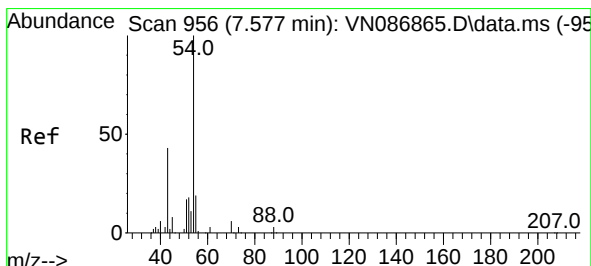
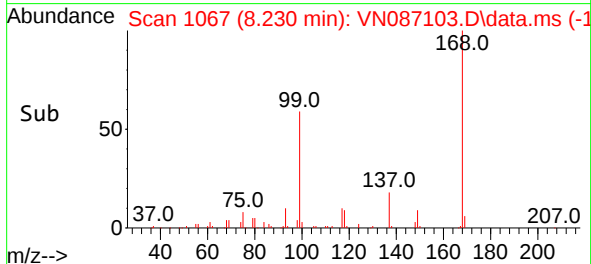
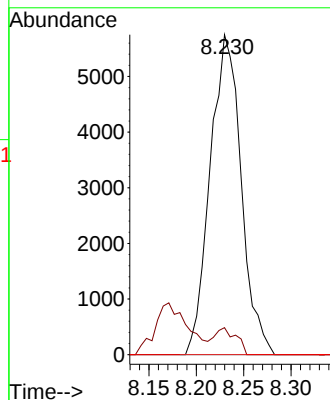
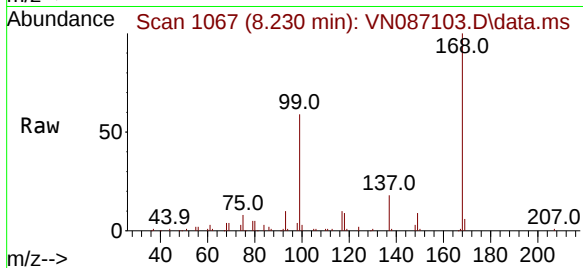




#36
1,1-Dichloropropene
Concen: 4.363 ug/l
RT: 8.230 min Scan# 1092
Delta R.T. -0.147 min
Lab File: VN087103.D
Acq: 19 Jun 2025 10:47

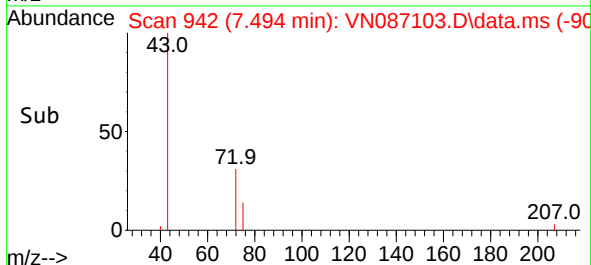
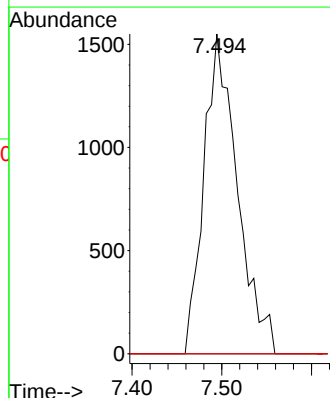
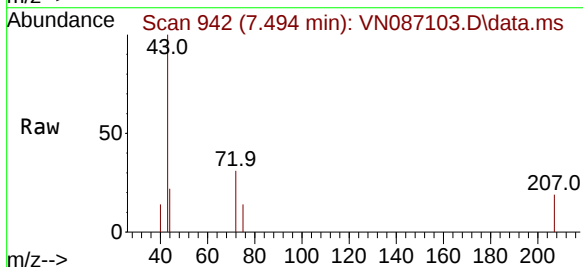
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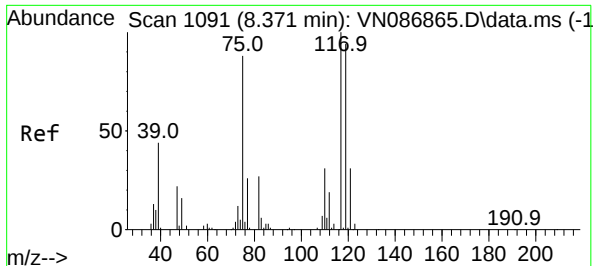
Tgt Ion: 75 Resp: 13095
Ion Ratio Lower Upper
75 100
110 5.9 17.6 52.9#
77 0.0 25.3 37.9#



#37
Ethyl Acetate
Concen: 1.050 ug/l
RT: 7.494 min Scan# 942
Delta R.T. -0.082 min
Lab File: VN087103.D
Acq: 19 Jun 2025 10:47

Tgt Ion: 43 Resp: 4012
Ion Ratio Lower Upper
43 100
61 0.0 12.1 18.1#
70 0.0 9.8 14.6#

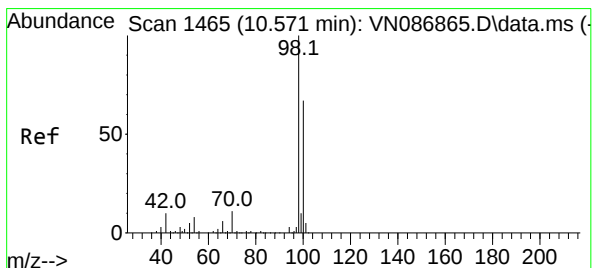
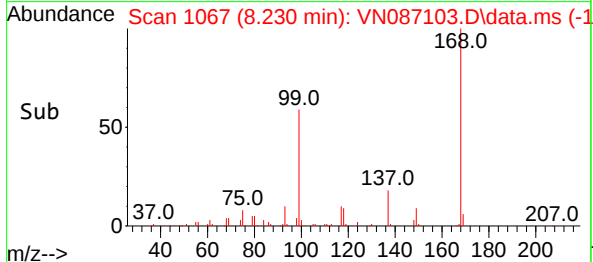
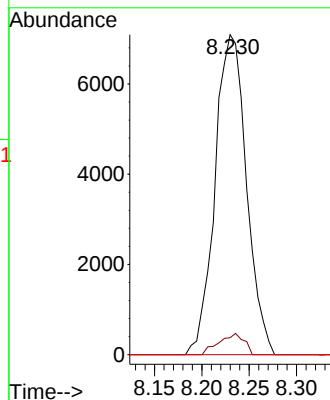
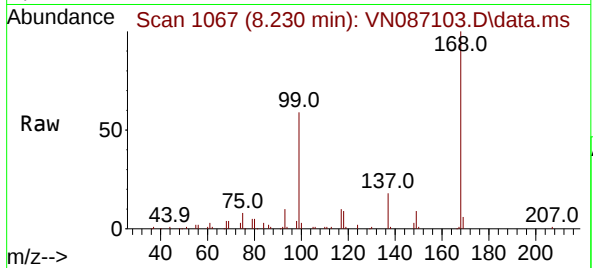




#38
Carbon Tetrachloride
Concen: 5.558 ug/l
RT: 8.230 min Scan# 1091
Delta R.T. -0.141 min
Lab File: VN087103.D
Acq: 19 Jun 2025 10:47

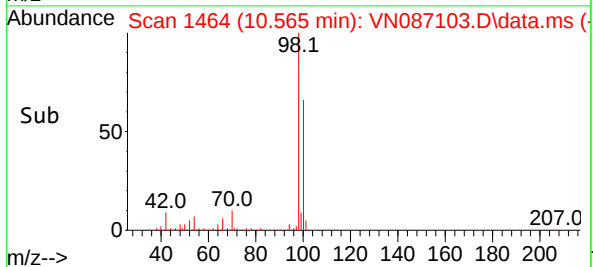
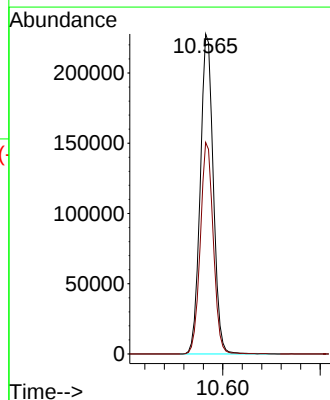
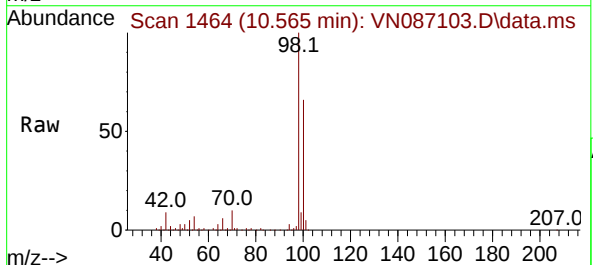
Instrument :
MSVOA_N
ClientSampleId :
EB01-20250613

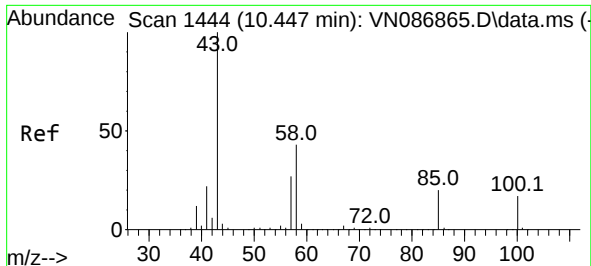
Tgt Ion:117 Resp: 16377
Ion Ratio Lower Upper
117 100
119 5.3 75.0 112.6#
121 0.0 24.9 37.3#



#50
Toluene-d8
Concen: 53.136 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VN087103.D
Acq: 19 Jun 2025 10:47

Tgt Ion: 98 Resp: 423645
Ion Ratio Lower Upper
98 100
100 65.9 53.4 80.0

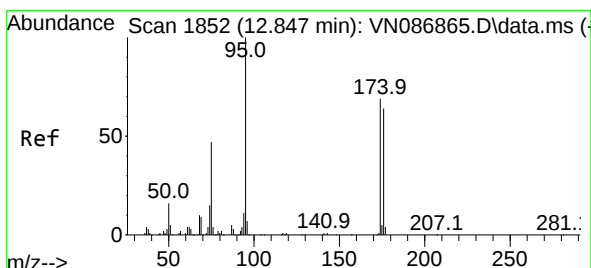
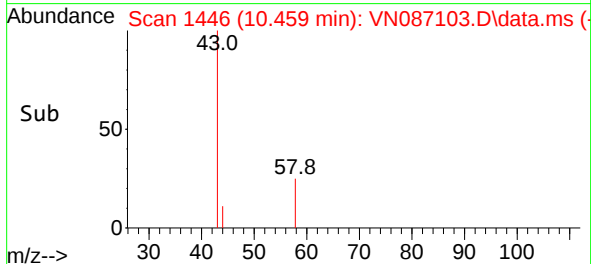
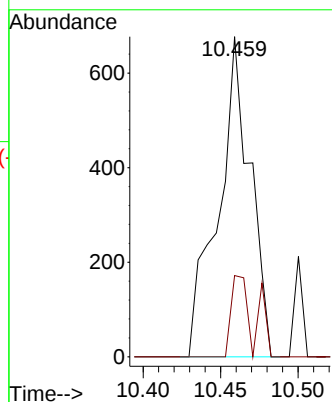
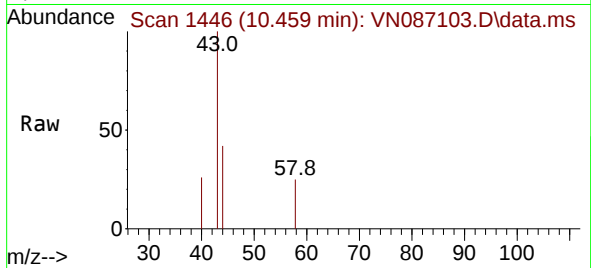




#51
4-Methyl-2-Pentanone
Concen: 0.263 ug/l
RT: 10.459 min Scan# 1446
Delta R.T. 0.012 min
Lab File: VN087103.D
Acq: 19 Jun 2025 10:47

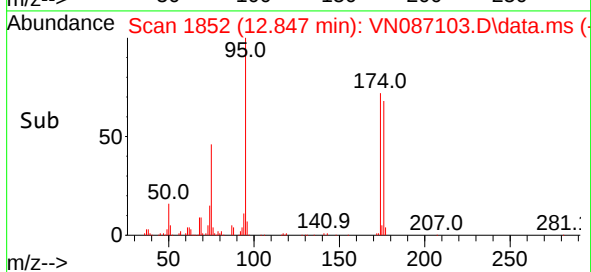
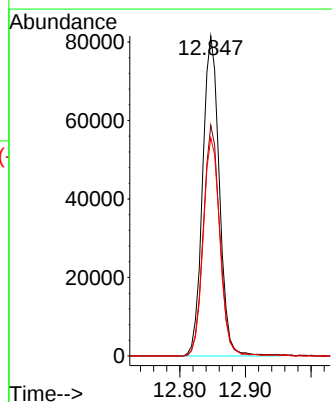
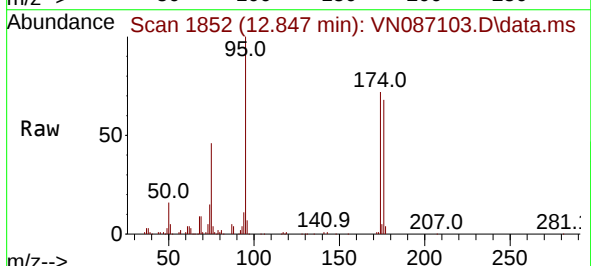
Instrument :
MSVOA_N
ClientSampleId :
EB01-20250613

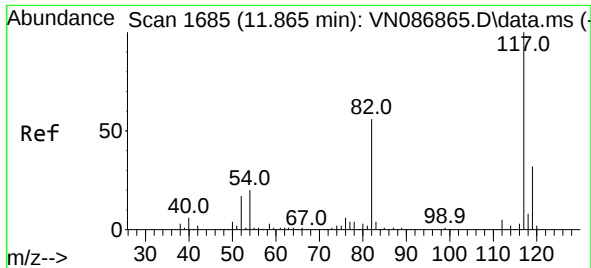
Tgt Ion: 43 Resp: 971
Ion Ratio Lower Upper
43 100
58 18.0 34.2 51.4#



#62
4-Bromofluorobenzene
Concen: 48.914 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN087103.D
Acq: 19 Jun 2025 10:47

Tgt Ion: 95 Resp: 144889
Ion Ratio Lower Upper
95 100
174 71.2 0.0 141.8
176 68.2 0.0 132.6

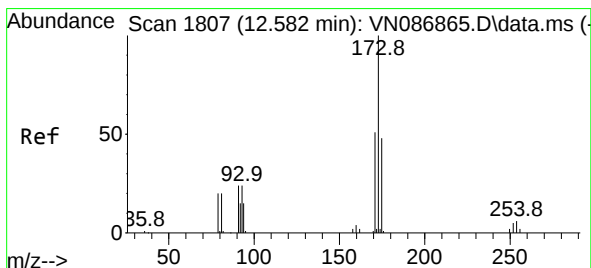
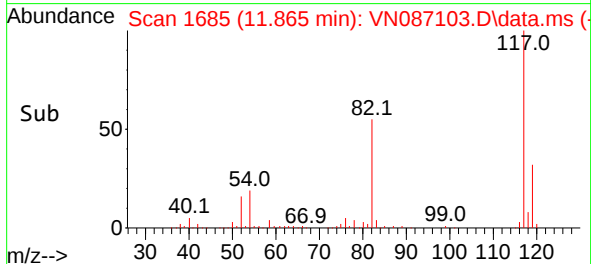
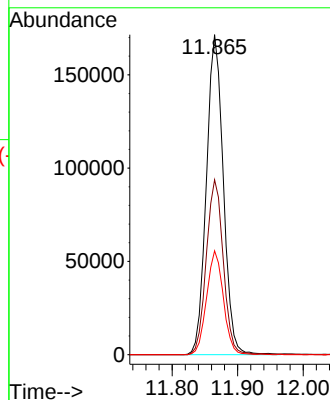
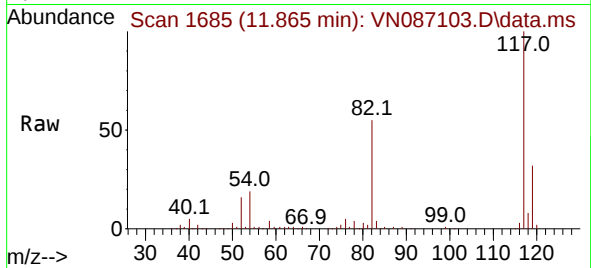




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN087103.D
Acq: 19 Jun 2025 10:47

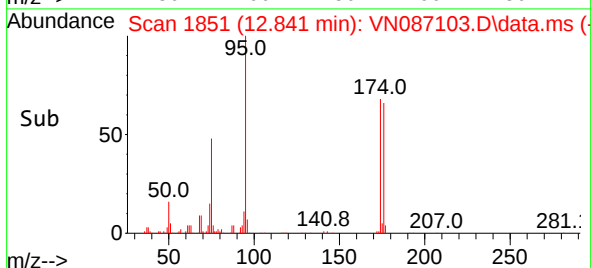
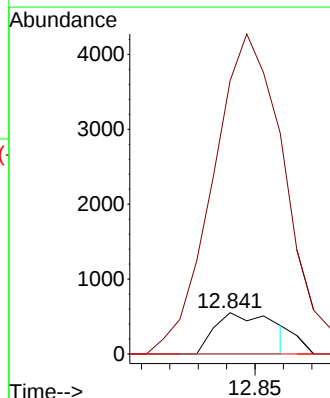
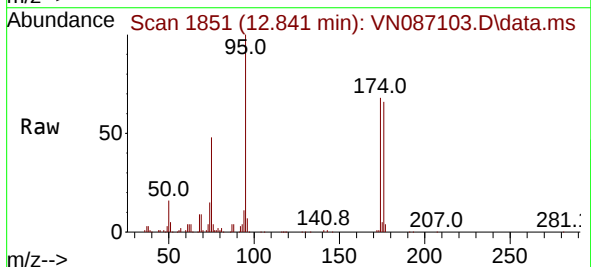
Instrument :
MSVOA_N
ClientSampleId :
EB01-20250613

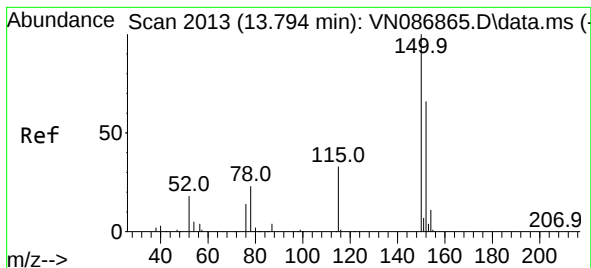
Tgt Ion:117 Resp: 308249
Ion Ratio Lower Upper
117 100
82 54.6 44.6 67.0
119 32.4 25.5 38.3



#71
Bromoform
Concen: 0.487 ug/l
RT: 12.841 min Scan# 1851
Delta R.T. 0.259 min
Lab File: VN087103.D
Acq: 19 Jun 2025 10:47

Tgt Ion:173 Resp: 788
Ion Ratio Lower Upper
173 100
175 846.8 24.1 72.4#
254 0.0 0.0 0.0

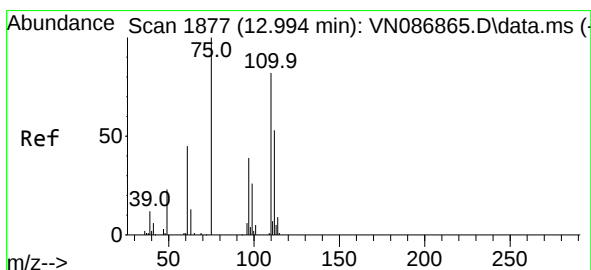
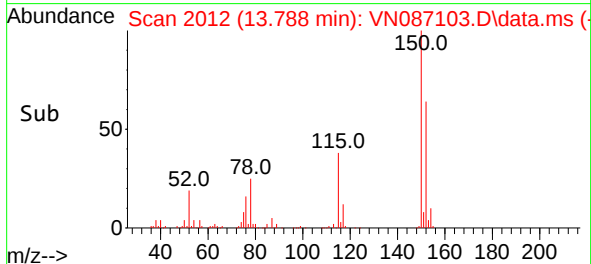
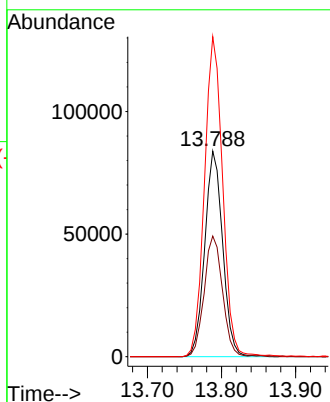
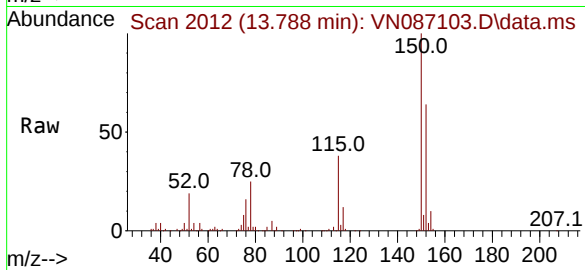




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 20
Delta R.T. -0.006 min
Lab File: VN087103.D
Acq: 19 Jun 2025 10:47

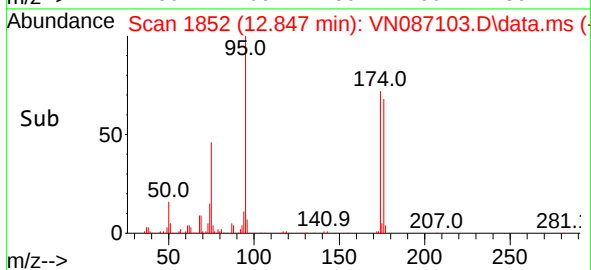
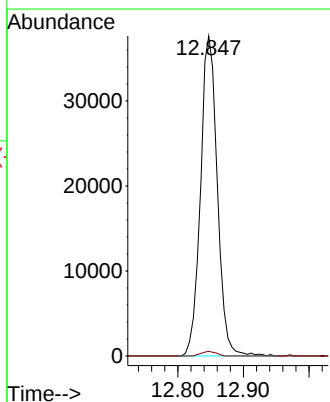
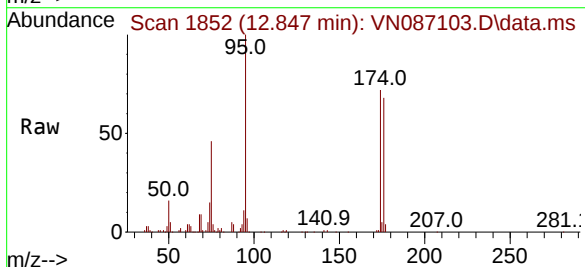
Instrument :
MSVOA_N
ClientSampleId :
EB01-20250613

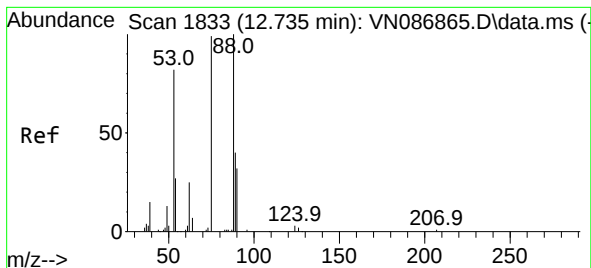
Tgt Ion:152 Resp: 141080
Ion Ratio Lower Upper
152 100
115 60.1 30.1 90.5
150 157.5 0.0 345.0



#76
1,2,3-Trichloropropane
Concen: 20.040 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN087103.D
Acq: 19 Jun 2025 10:47

Tgt Ion: 75 Resp: 67205
Ion Ratio Lower Upper
75 100
77 1.3 79.3 237.9#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 46.131 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN087103.D
 Acq: 19 Jun 2025 10:47

Instrument :
 MSVOA_N
 ClientSampleId :
 EB01-20250613

Tgt Ion: 75 Resp: 67205
 Ion Ratio Lower Upper
 75 100
 53 0.0 66.6 99.8#
 89 0.0 36.7 55.1#

