

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061825\
 Data File : VN087091.D
 Acq On : 18 Jun 2025 17:14
 Operator : JC\MD
 Sample : Q2329-15
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 EB01-20250613

Quant Time: Jun 19 01:31:49 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)

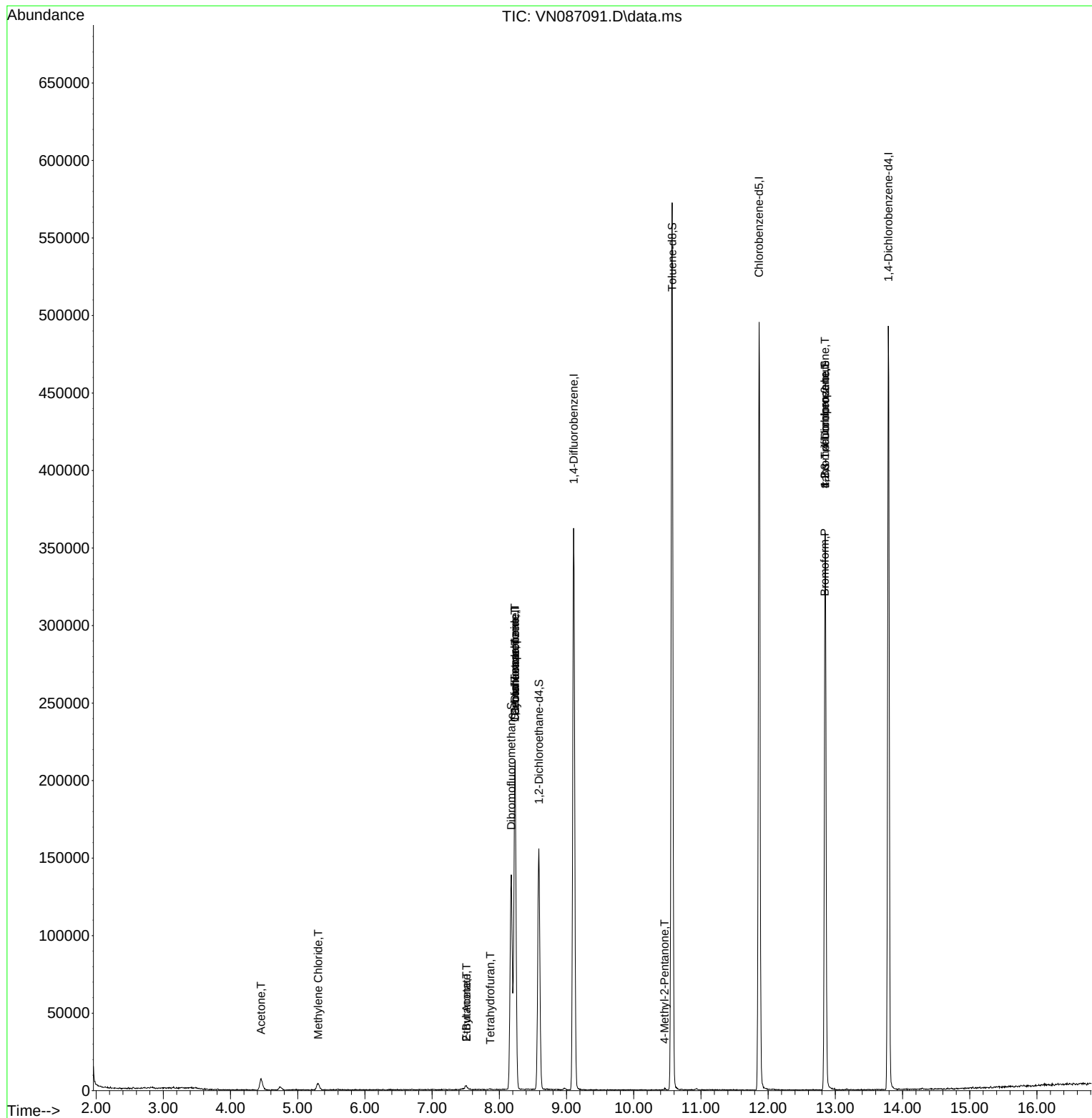
Internal Standards						
1) Pentafluorobenzene	8.236	168	167663	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	340012	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	307785	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	147034	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	125973	56.117	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 112.240%			
35) Dibromofluoromethane	8.177	113	106459	52.833	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.660%			
50) Toluene-d8	10.571	98	420334	52.694	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 105.380%			
62) 4-Bromofluorobenzene	12.847	95	145284	49.022	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 98.040%			
Target Compounds					Qvalue	
16) Acetone	4.453	43	14563	12.233	ug/l	94
20) Methylene Chloride	5.306	84	3985	1.788	ug/l	94
25) 2-Butanone	7.512	43	4722	2.440	ug/l	93
29) Tetrahydrofuran	7.865	42	409	0.324	ug/l #	41
31) Cyclohexane	8.236	56	2943	0.808	ug/l #	1
36) 1,1-Dichloropropene	8.230	75	12731	4.240	ug/l #	48
37) Ethyl Acetate	7.512	43	4722	1.235	ug/l #	66
38) Carbon Tetrachloride	8.230	117	16885	5.728	ug/l #	17
51) 4-Methyl-2-Pentanone	10.459	43	789	0.214	ug/l #	74
71) Bromoform	12.841	173	342	0.212	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	67962	19.445	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	67962	44.762	ug/l #	16

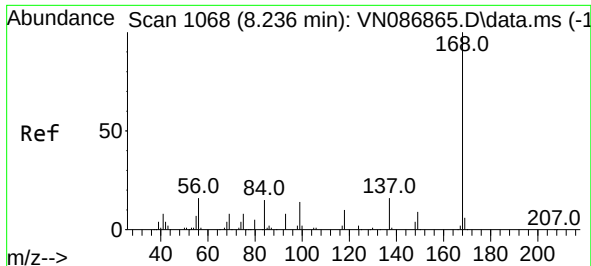
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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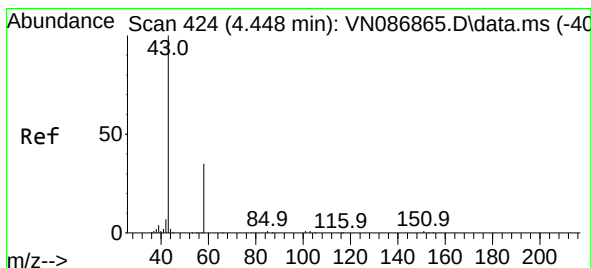
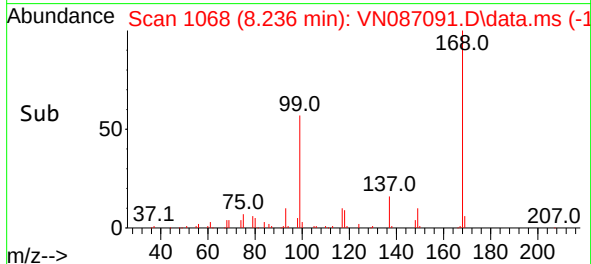
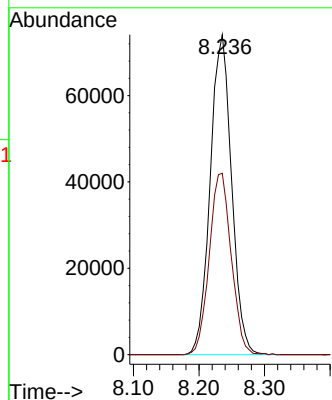
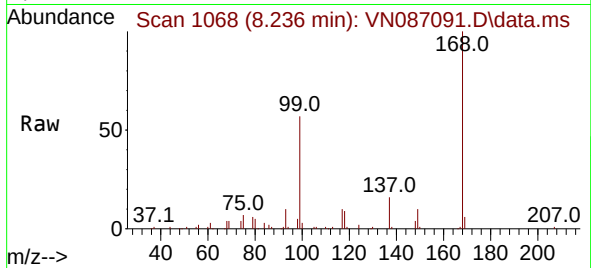




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.236 min Scan# 1068
Delta R.T. -0.000 min
Lab File: VN087091.D
Acq: 18 Jun 2025 17:14

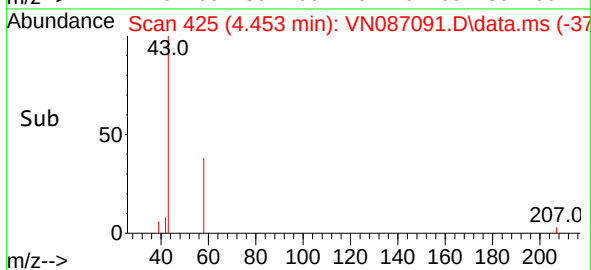
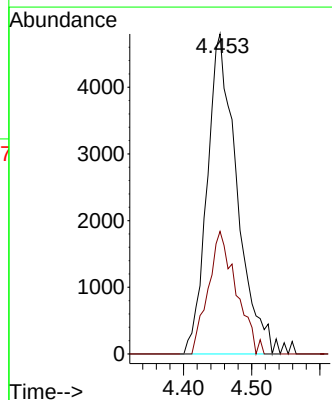
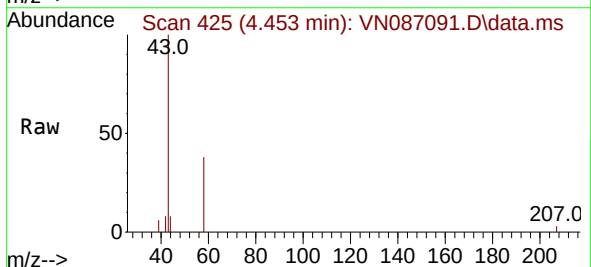
Instrument :
MSVOA_N
ClientSampleId :
EB01-20250613

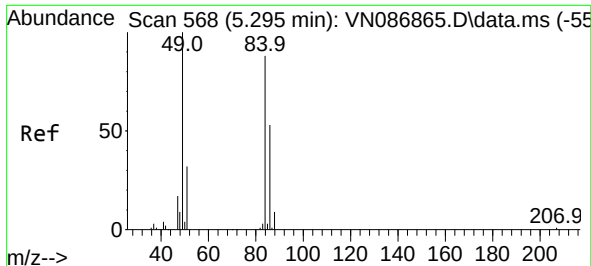
Tgt Ion:168 Resp: 167663
Ion Ratio Lower Upper
168 100
99 56.7 49.1 73.7



#16
Acetone
Concen: 12.233 ug/l
RT: 4.453 min Scan# 425
Delta R.T. 0.006 min
Lab File: VN087091.D
Acq: 18 Jun 2025 17:14

Tgt Ion: 43 Resp: 14563
Ion Ratio Lower Upper
43 100
58 38.3 28.0 42.0

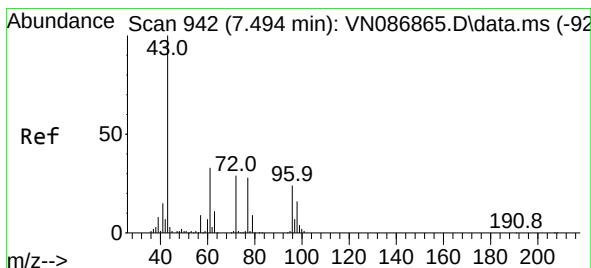
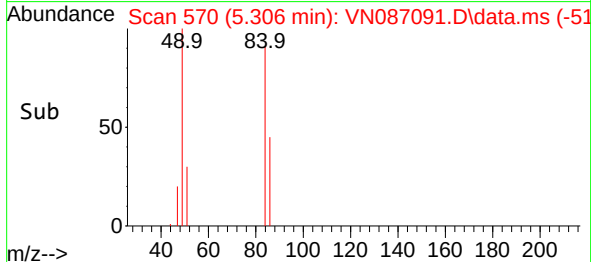
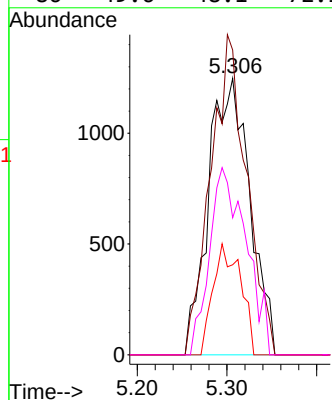
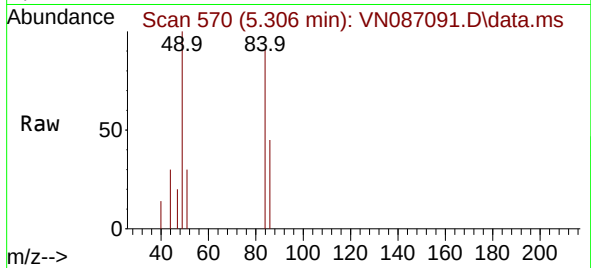




#20
Methylene Chloride
Concen: 1.788 ug/l
RT: 5.306 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN087091.D
Acq: 18 Jun 2025 17:14

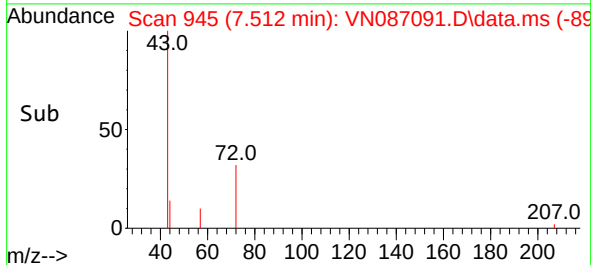
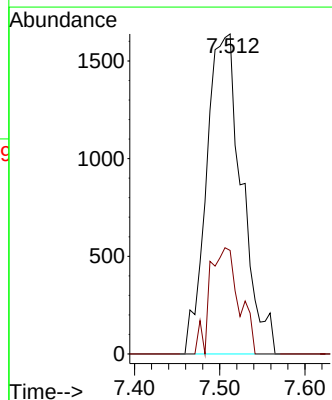
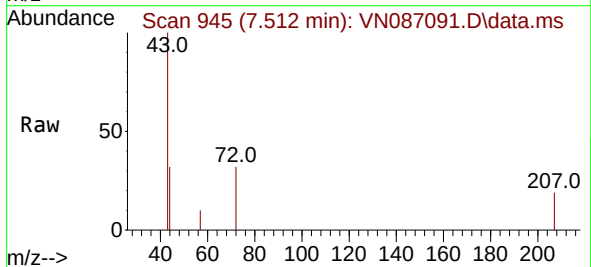
Instrument :
MSVOA_N
ClientSampleId :
EB01-20250613

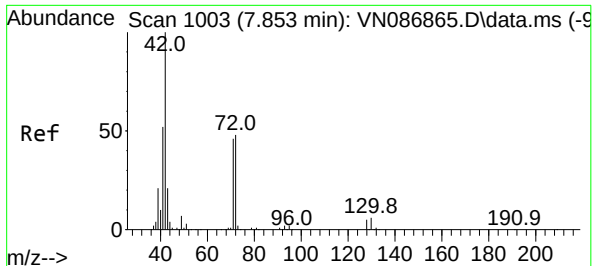
Tgt Ion:	84	Resp:	3985
Ion	Ratio	Lower	Upper
84	100		
49	110.3	90.5	135.7
51	32.5	28.5	42.7
86	49.6	48.1	72.1



#25
2-Butanone
Concen: 2.440 ug/l
RT: 7.512 min Scan# 945
Delta R.T. 0.018 min
Lab File: VN087091.D
Acq: 18 Jun 2025 17:14

Tgt Ion:	43	Resp:	4722
Ion	Ratio	Lower	Upper
43	100		
72	32.4	23.0	34.6





#29

Tetrahydrofuran

Concen: 0.324 ug/l

RT: 7.865 min Scan# 1005

Delta R.T. 0.012 min

Lab File: VN087091.D

Acq: 18 Jun 2025 17:14

Instrument :

MSVOA_N

ClientSampleId :

EB01-20250613

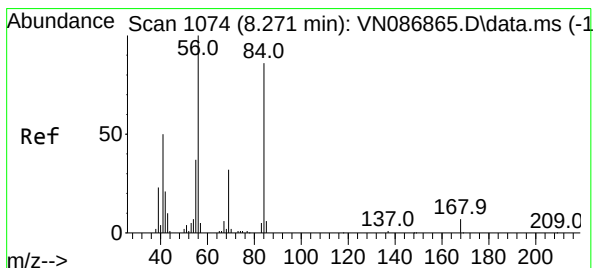
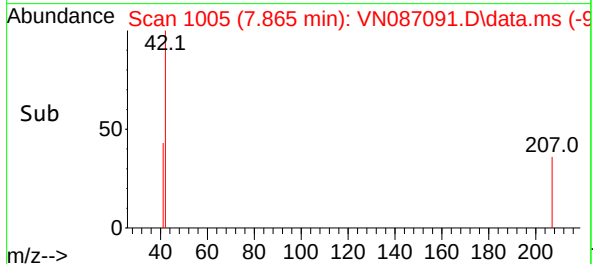
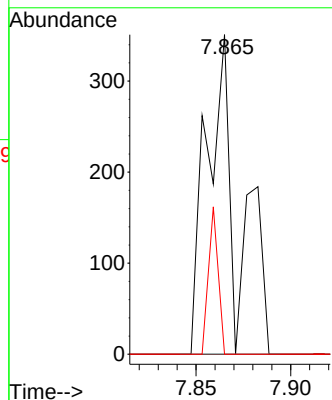
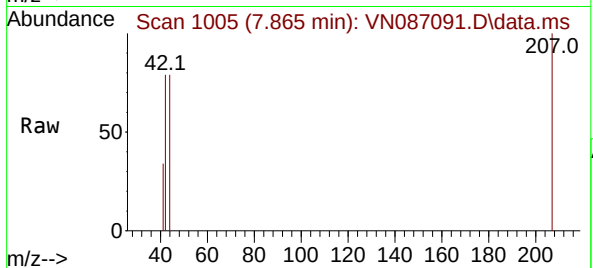
Tgt Ion: 42 Resp: 409

Ion Ratio Lower Upper

42 100

72 0.0 37.8 56.6#

71 13.9 35.6 53.4#



#31

Cyclohexane

Concen: 0.808 ug/l

RT: 8.236 min Scan# 1068

Delta R.T. -0.035 min

Lab File: VN087091.D

Acq: 18 Jun 2025 17:14

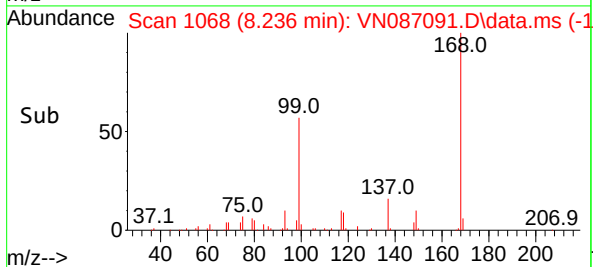
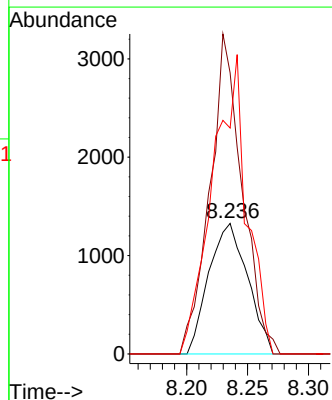
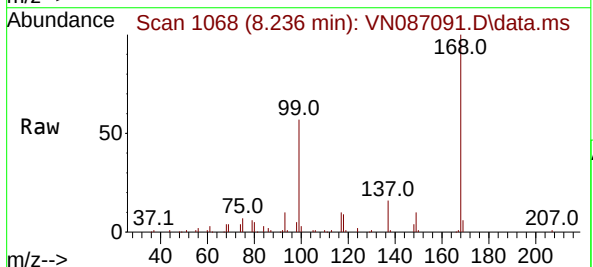
Tgt Ion: 56 Resp: 2943

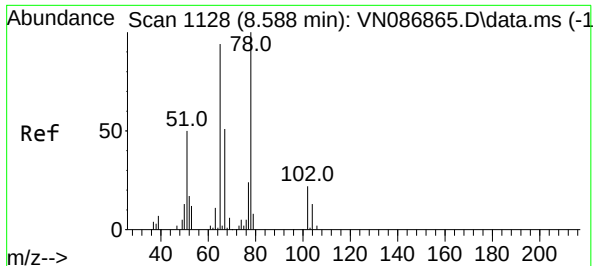
Ion Ratio Lower Upper

56 100

69 215.4 25.4 38.0#

84 173.0 68.8 103.2#





#33

1,2-Dichloroethane-d4

Concen: 56.117 ug/l

RT: 8.588 min Scan# 1128

Delta R.T. -0.000 min

Lab File: VN087091.D

Acq: 18 Jun 2025 17:14

Instrument :

MSVOA_N

ClientSampleId :

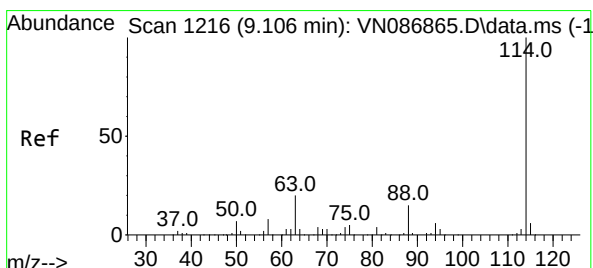
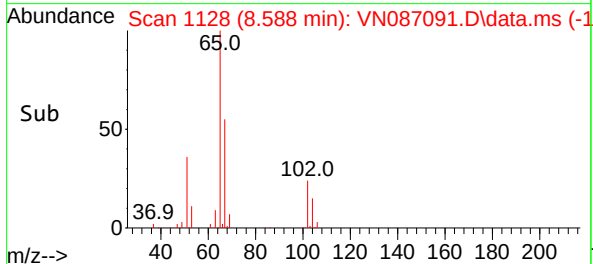
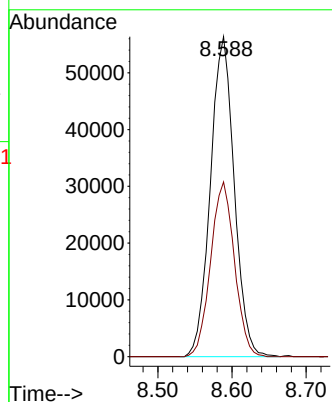
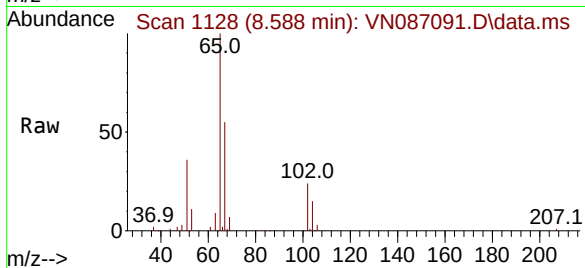
EB01-20250613

Tgt Ion: 65 Resp: 125973

Ion Ratio Lower Upper

65 100

67 54.5 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: VN087091.D

Acq: 18 Jun 2025 17:14

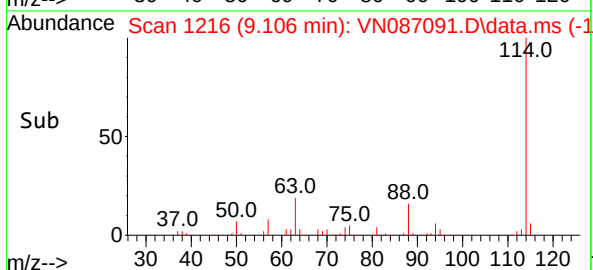
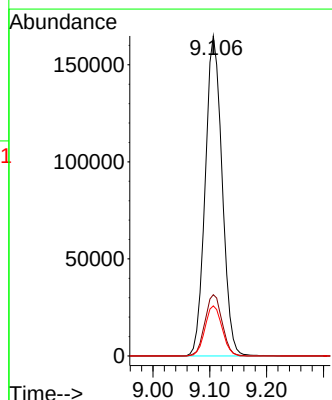
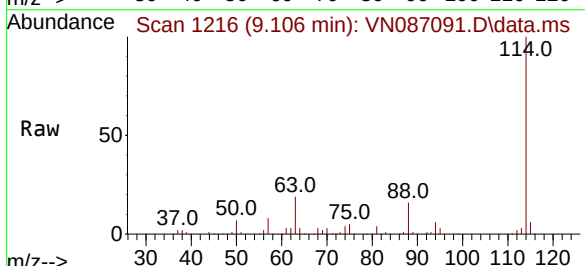
Tgt Ion: 114 Resp: 340012

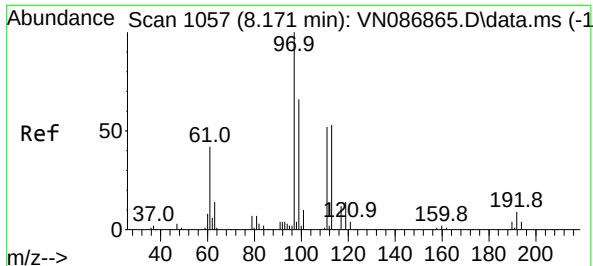
Ion Ratio Lower Upper

114 100

63 19.2 0.0 39.6

88 15.7 0.0 30.2

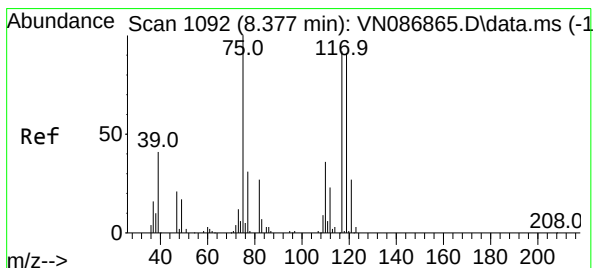
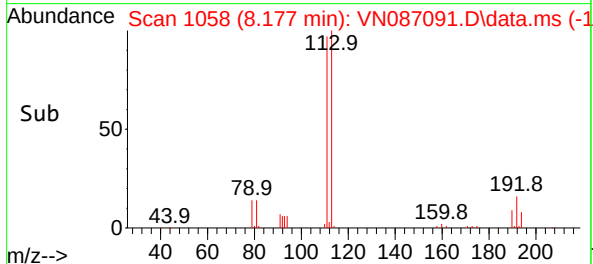
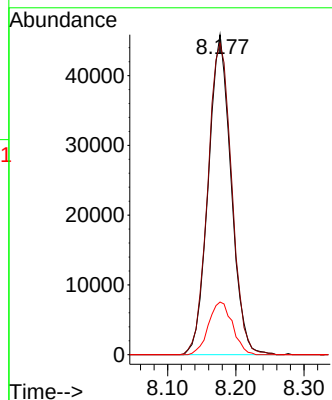
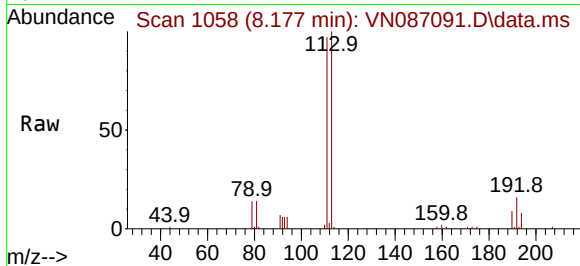




#35
Dibromofluoromethane
Concen: 52.833 ug/l
RT: 8.177 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VN087091.D
Acq: 18 Jun 2025 17:14

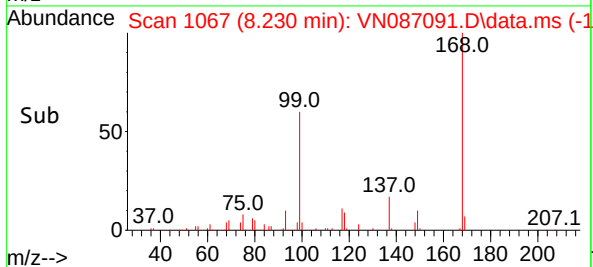
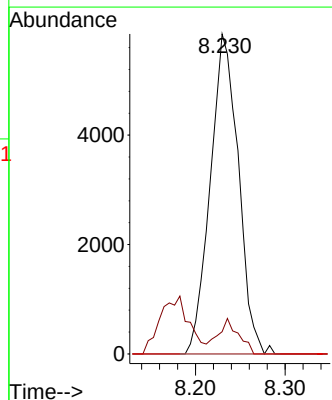
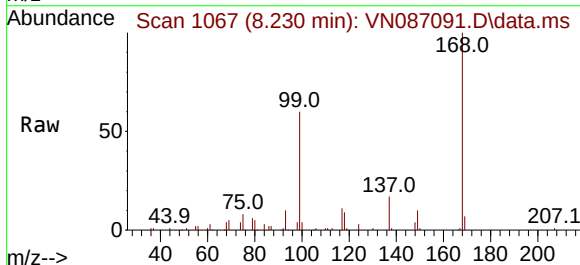
Instrument :
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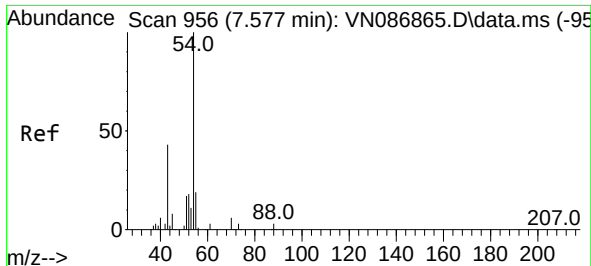
Tgt Ion:113 Resp: 106459
Ion Ratio Lower Upper
113 100
111 102.4 84.2 126.2
192 17.3 14.2 21.4



#36
1,1-Dichloropropene
Concen: 4.240 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.147 min
Lab File: VN087091.D
Acq: 18 Jun 2025 17:14

Tgt Ion: 75 Resp: 12731
Ion Ratio Lower Upper
75 100
110 8.1 17.6 52.9#
77 0.0 25.3 37.9#

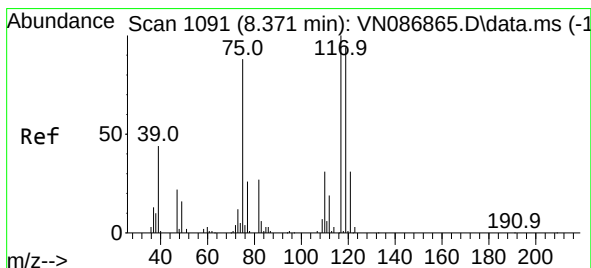
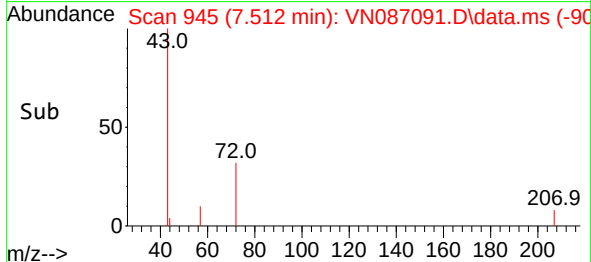
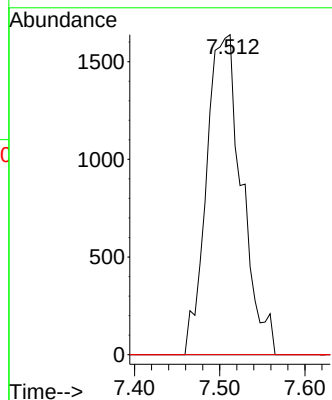
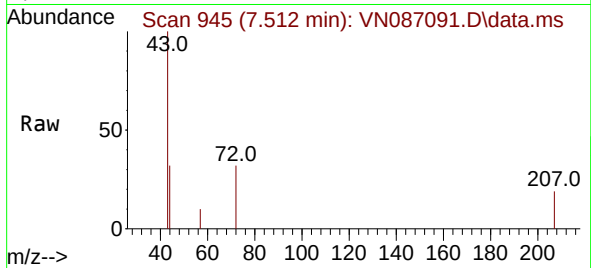




#37
Ethyl Acetate
Concen: 1.235 ug/l
RT: 7.512 min Scan# 945
Delta R.T. -0.065 min
Lab File: VN087091.D
Acq: 18 Jun 2025 17:14

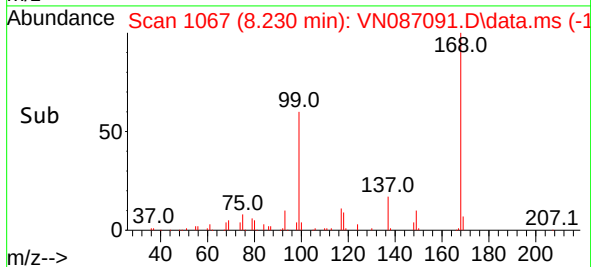
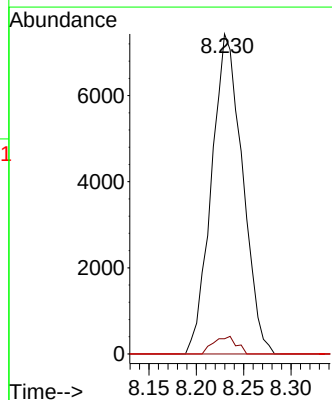
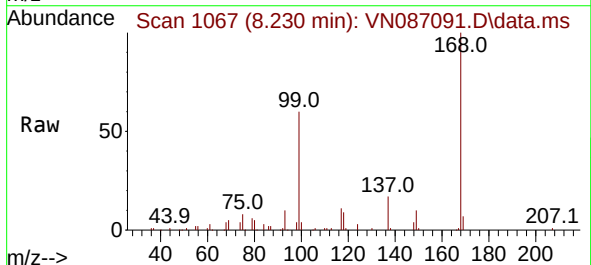
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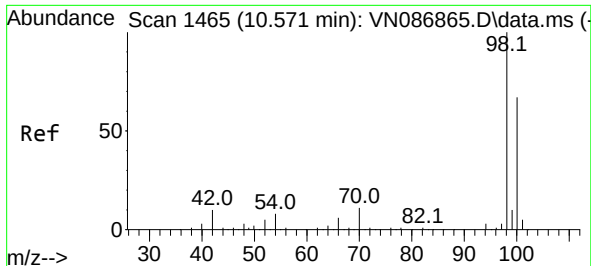
Tgt Ion: 43 Resp: 4722
Ion Ratio Lower Upper
43 100
61 0.0 12.1 18.1#
70 0.0 9.8 14.6#



#38
Carbon Tetrachloride
Concen: 5.728 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.141 min
Lab File: VN087091.D
Acq: 18 Jun 2025 17:14

Tgt Ion: 117 Resp: 16885
Ion Ratio Lower Upper
117 100
119 4.7 75.0 112.6#
121 0.0 24.9 37.3#

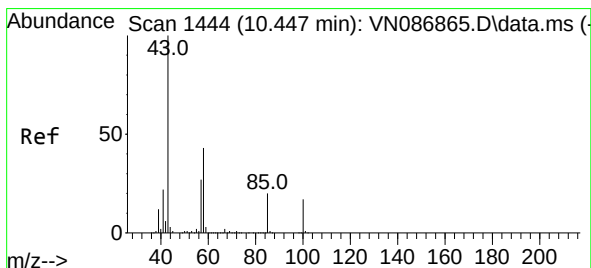
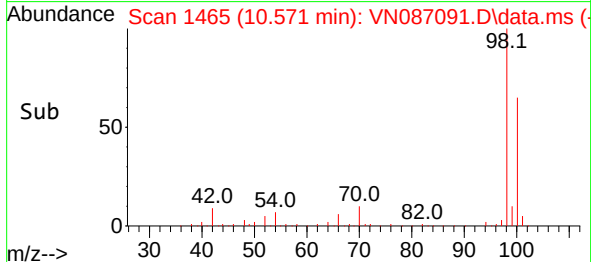
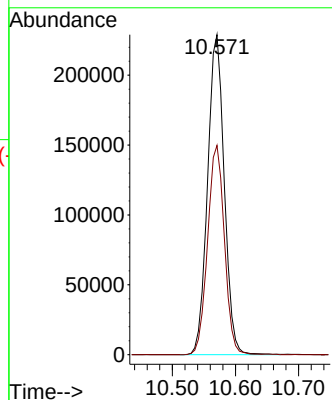
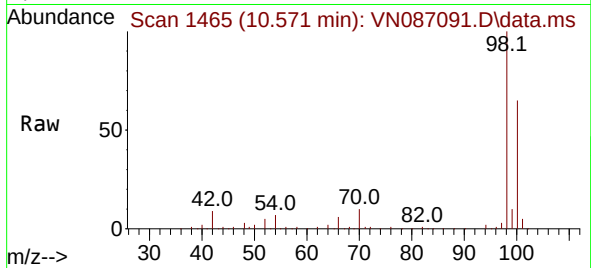




#50
Toluene-d8
Concen: 52.694 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN087091.D
Acq: 18 Jun 2025 17:14

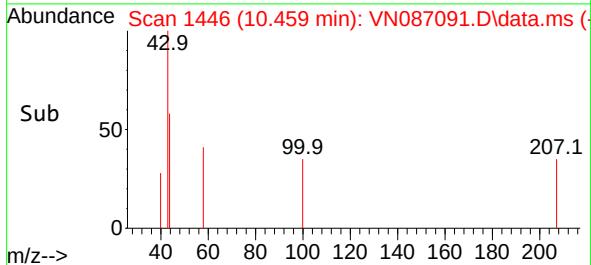
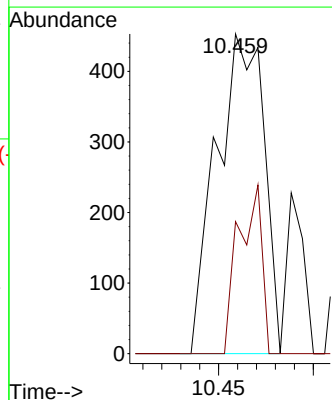
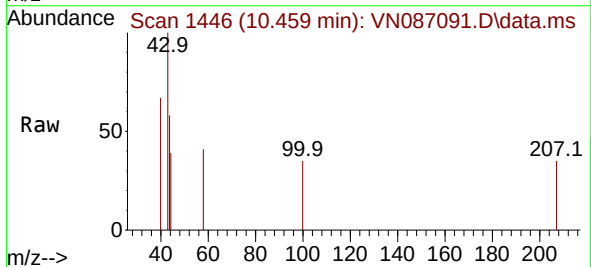
Instrument :
MSVOA_N
ClientSampleId :
EB01-20250613

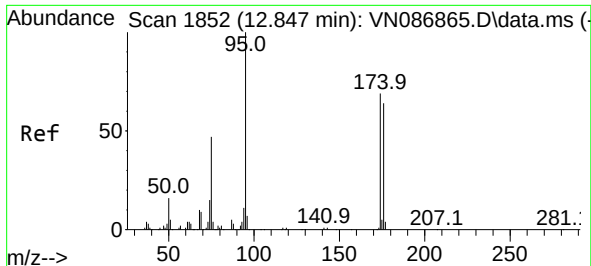
Tgt Ion: 98 Resp: 420334
Ion Ratio Lower Upper
98 100
100 65.9 53.4 80.0



#51
4-Methyl-2-Pentanone
Concen: 0.214 ug/l
RT: 10.459 min Scan# 1446
Delta R.T. 0.012 min
Lab File: VN087091.D
Acq: 18 Jun 2025 17:14

Tgt Ion: 43 Resp: 789
Ion Ratio Lower Upper
43 100
58 26.0 34.2 51.4#

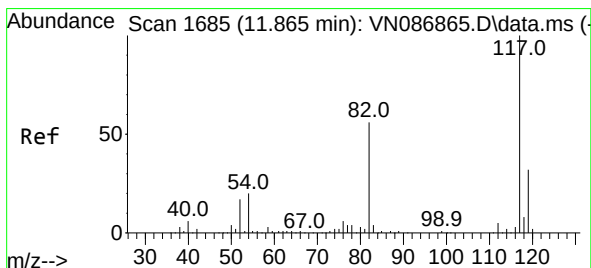
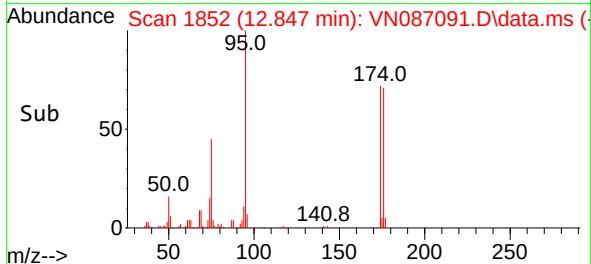
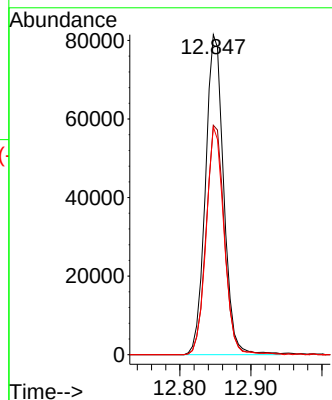
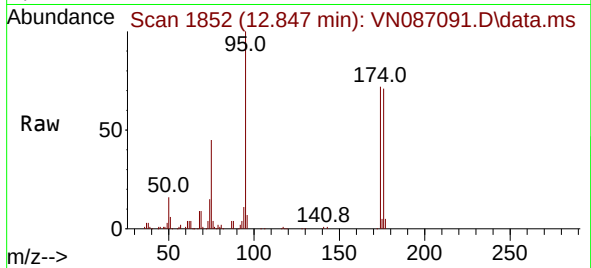




#62
4-Bromofluorobenzene
Concen: 49.022 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN087091.D
Acq: 18 Jun 2025 17:14

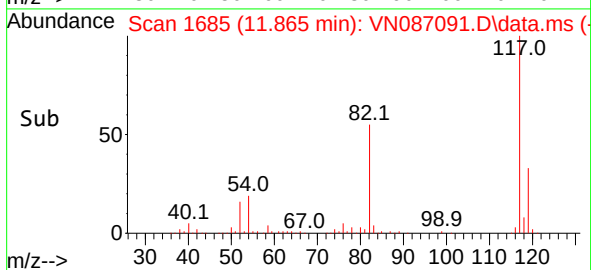
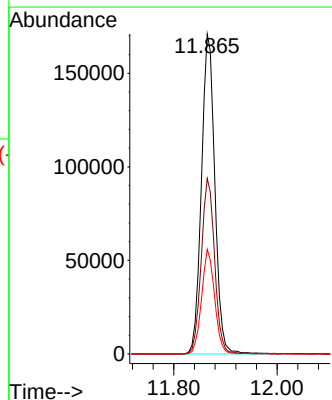
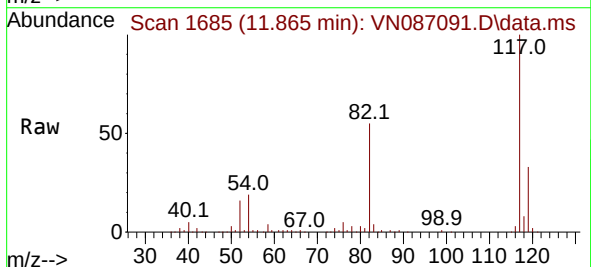
Instrument :
MSVOA_N
ClientSampleId :
EB01-20250613

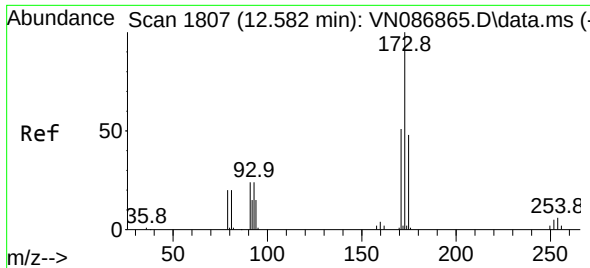
Tgt Ion: 95 Resp: 145284
Ion Ratio Lower Upper
95 100
174 71.6 0.0 141.8
176 70.0 0.0 132.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN087091.D
Acq: 18 Jun 2025 17:14

Tgt Ion: 117 Resp: 307785
Ion Ratio Lower Upper
117 100
82 54.8 44.6 67.0
119 32.7 25.5 38.3

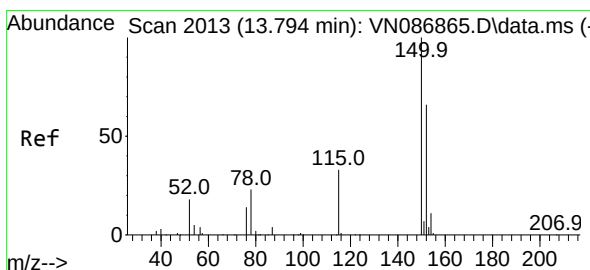
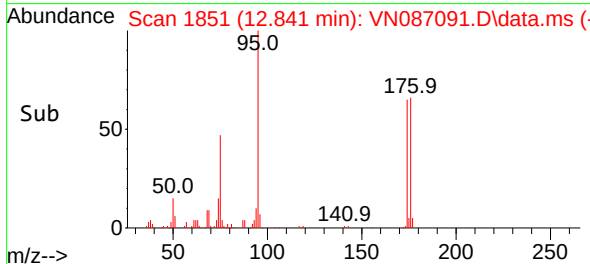
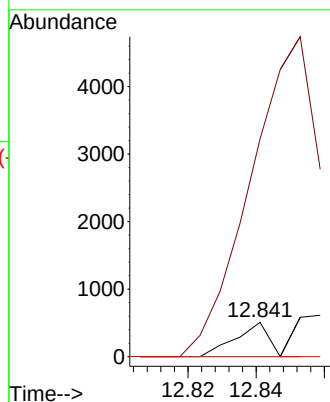
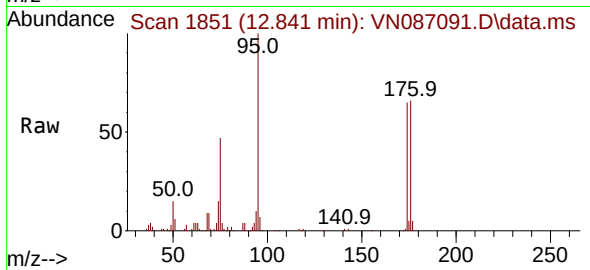




#71
Bromoform
Concen: 0.212 ug/l
RT: 12.841 min Scan# 11
Delta R.T. 0.259 min
Lab File: VN087091.D
Acq: 18 Jun 2025 17:14

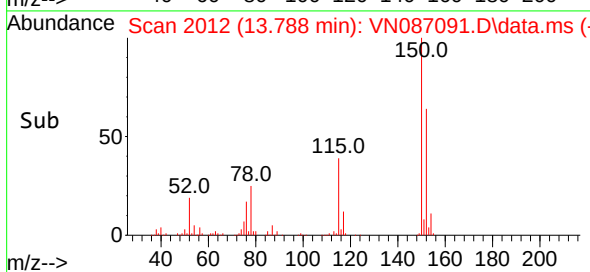
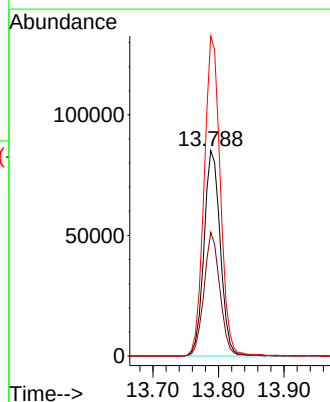
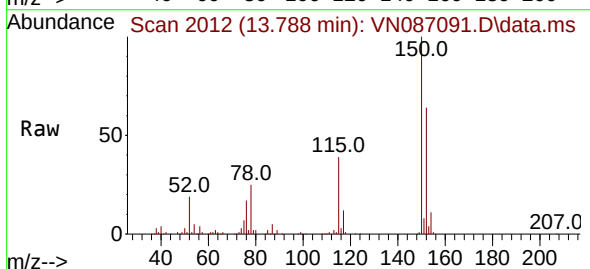
Instrument :
MSVOA_N
ClientSampleId :
EB01-20250613

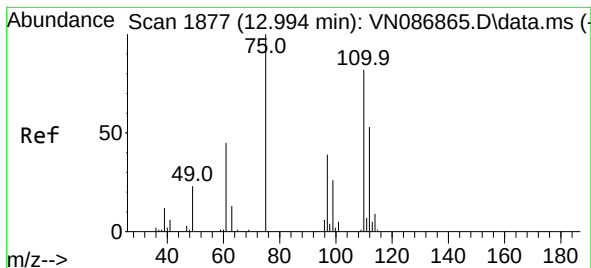
Tgt Ion:173 Resp: 342
Ion Ratio Lower Upper
173 100
175 1883.6 24.1 72.4#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.006 min
Lab File: VN087091.D
Acq: 18 Jun 2025 17:14

Tgt Ion:152 Resp: 147034
Ion Ratio Lower Upper
152 100
115 58.9 30.1 90.5
150 155.7 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 19.445 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN087091.D

Acq: 18 Jun 2025 17:14

Instrument :

MSVOA_N

ClientSampleId :

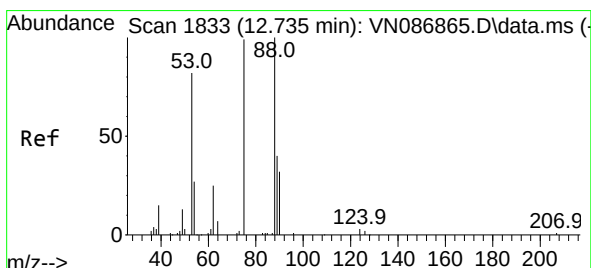
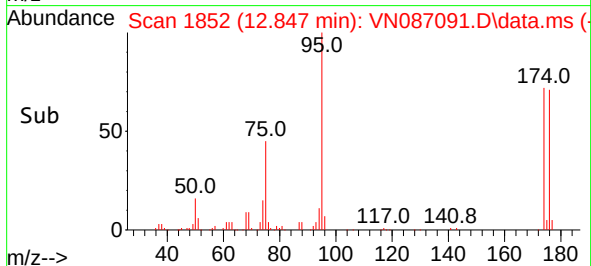
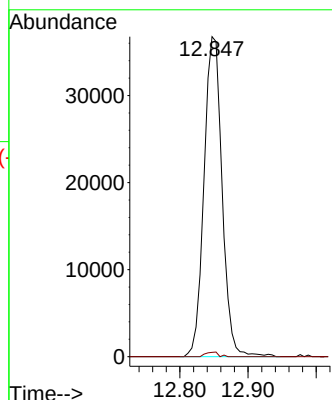
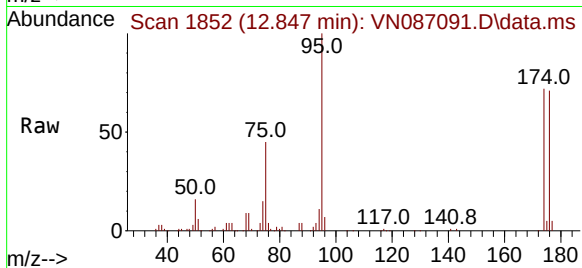
EB01-20250613

Tgt Ion: 75 Resp: 67962

Ion Ratio Lower Upper

75 100

77 1.0 79.3 237.9#



#81

trans-1,4-Dichloro-2-butene

Concen: 44.762 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.112 min

Lab File: VN087091.D

Acq: 18 Jun 2025 17:14

Tgt Ion: 75 Resp: 67962

Ion Ratio Lower Upper

75 100

53 0.0 66.6 99.8#

89 0.0 36.7 55.1#

