

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
 Data File : VN086885.D
 Acq On : 06 Jun 2025 22:29
 Operator : JC\MD
 Sample : Q2198-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 B-207-SB02

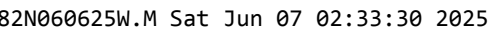
Quant Time: Jun 07 02:33:20 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 07 02:12:50 2025
 Response via : Initial Calibration

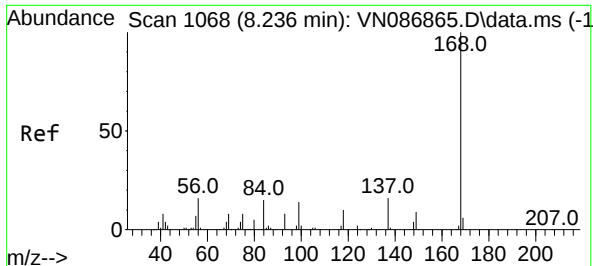
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.236	168	403626	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	688747	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	589655	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	289711	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.589	65	222690	41.208	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	82.420%		
35) Dibromofluoromethane	8.177	113	195297	47.847	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.700%		
50) Toluene-d8	10.571	98	818506	50.656	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	101.320%		
62) 4-Bromofluorobenzene	12.847	95	291833	48.612	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	97.220%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.542	59	2046	1.395	ug/l #	73
16) Acetone	4.453	43	84930	29.635	ug/l	96
17) Carbon Disulfide	4.742	76	2612	0.210	ug/l #	75
18) Methyl Acetate	5.048	43	3801	0.455	ug/l #	73
20) Methylene Chloride	5.300	84	17613	3.283	ug/l	92
25) 2-Butanone	7.494	43	20232	4.343	ug/l	99
29) Tetrahydrofuran	7.853	42	736	0.243	ug/l #	81
31) Cyclohexane	8.230	56	6684	0.763	ug/l #	1
36) 1,1-Dichloropropene	8.236	75	29607	4.868	ug/l #	49
37) Ethyl Acetate	7.494	43	20232	2.613	ug/l #	66
38) Carbon Tetrachloride	8.236	117	38950	6.523	ug/l #	16
43) Isopropyl Acetate	8.700	43	22190	1.786	ug/l	92
48) Methyl methacrylate	9.671	41	1863	0.326	ug/l #	11
51) 4-Methyl-2-Pentanone	10.453	43	9286	1.241	ug/l #	80
54) cis-1,3-Dichloropropene	10.359	75	34835	4.403	ug/l #	54
57) 1,3-Dichloropropane	11.218	76	2220	0.274	ug/l #	43
59) 2-Hexanone	11.218	43	22193	4.606	ug/l #	55
76) 1,2,3-Trichloropropane	12.847	75	132421	19.229	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	132421	44.264	ug/l #	16
95) Naphthalene	15.641	128	13088	0.602	ug/l #	87

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

Quant Time: Jun 07 02:33:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
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Response via : Initial Calibration

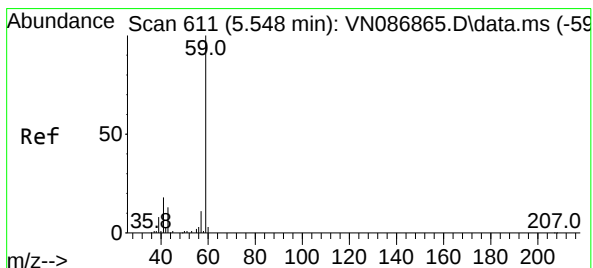
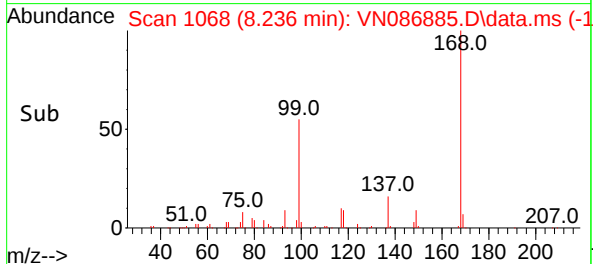
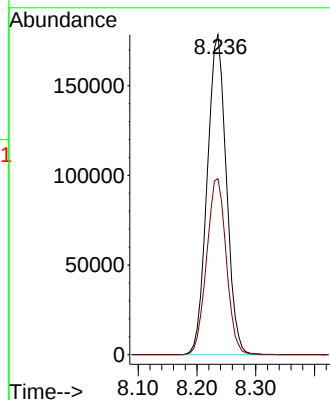
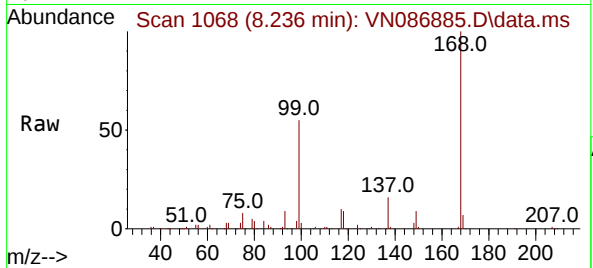




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.236 min Scan# 1068
Delta R.T. -0.000 min
Lab File: VN086885.D
Acq: 06 Jun 2025 22:29

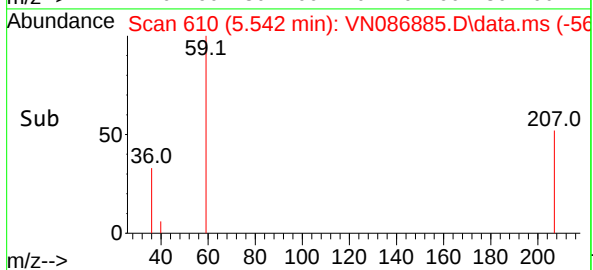
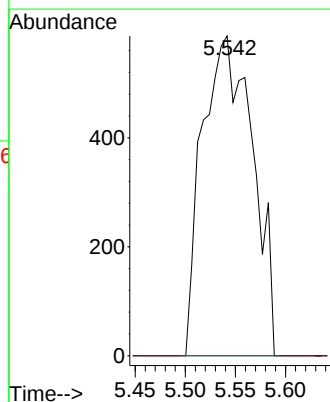
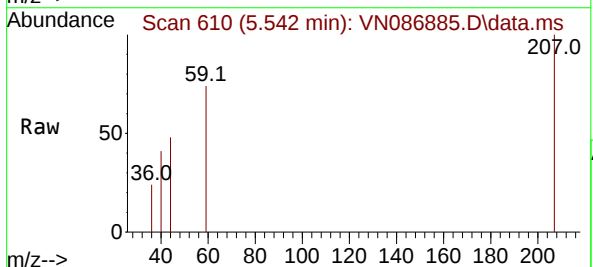
Instrument :
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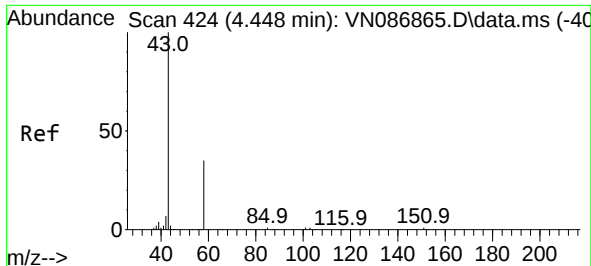
Tgt Ion:168 Resp: 403626
Ion Ratio Lower Upper
168 100
99 55.0 49.1 73.7



#11
Tert butyl alcohol
Concen: 1.395 ug/l
RT: 5.542 min Scan# 610
Delta R.T. -0.006 min
Lab File: VN086885.D
Acq: 06 Jun 2025 22:29

Tgt Ion: 59 Resp: 2046
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#





#16

Acetone

Concen: 29.635 ug/l

RT: 4.453 min Scan# 41

Delta R.T. 0.006 min

Lab File: VN086885.D

Acq: 06 Jun 2025 22:29

Instrument :

MSVOA_N

ClientSampleId :

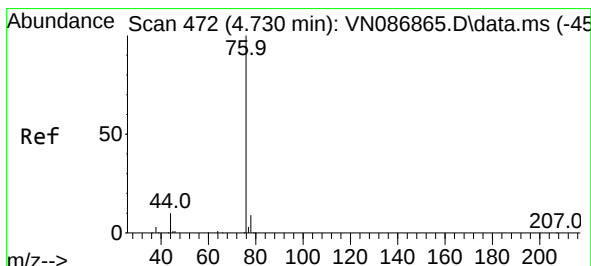
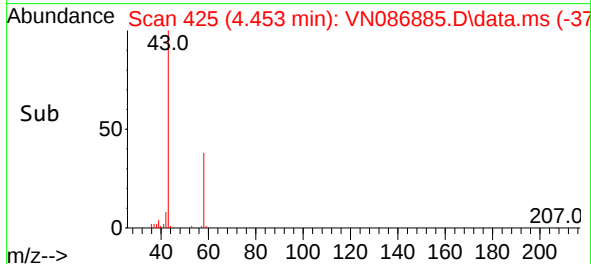
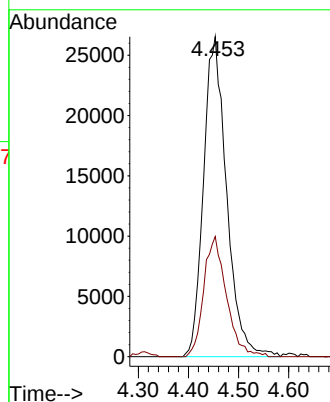
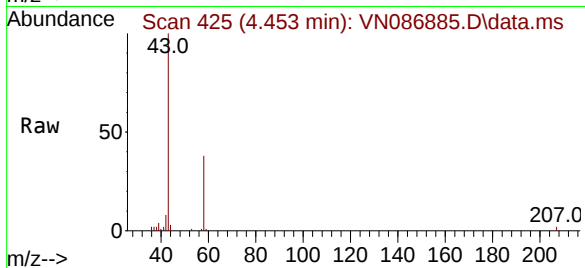
B-207-SB02

Tgt Ion: 43 Resp: 84930

Ion Ratio Lower Upper

43 100

58 37.6 28.0 42.0



#17

Carbon Disulfide

Concen: 0.210 ug/l

RT: 4.742 min Scan# 474

Delta R.T. 0.012 min

Lab File: VN086885.D

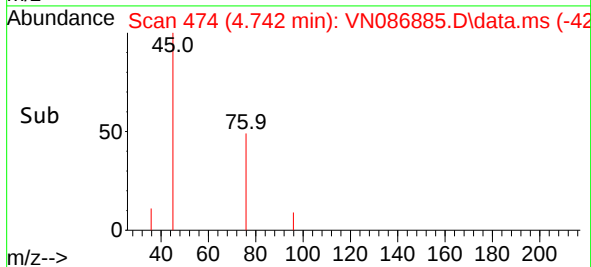
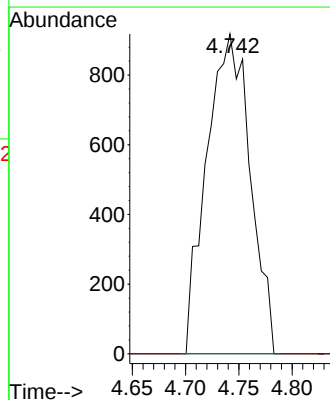
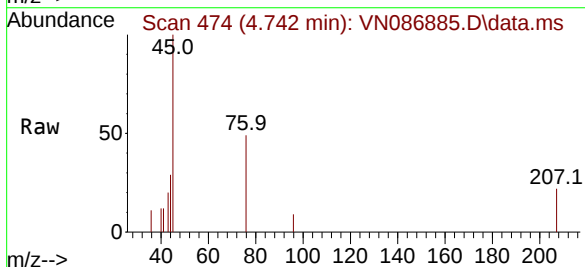
Acq: 06 Jun 2025 22:29

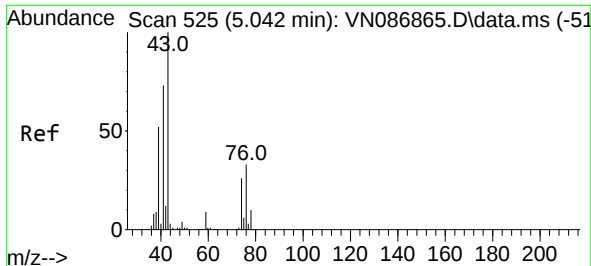
Tgt Ion: 76 Resp: 2612

Ion Ratio Lower Upper

76 100

78 0.0 7.3 10.9#

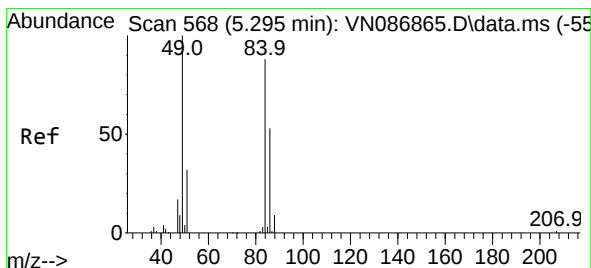
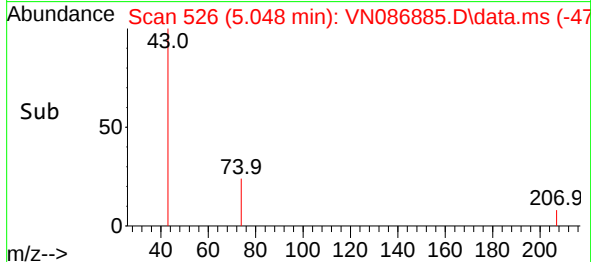
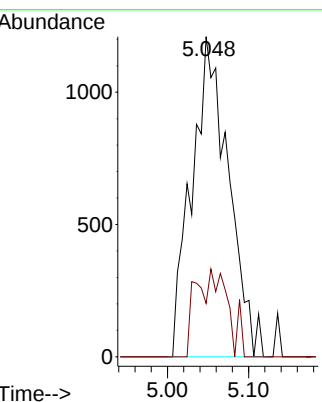
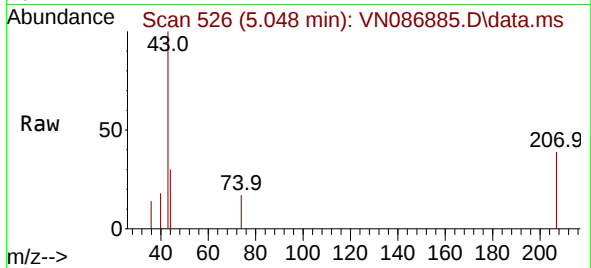




#18
Methyl Acetate
Concen: 0.455 ug/l
RT: 5.048 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN086885.D
Acq: 06 Jun 2025 22:29

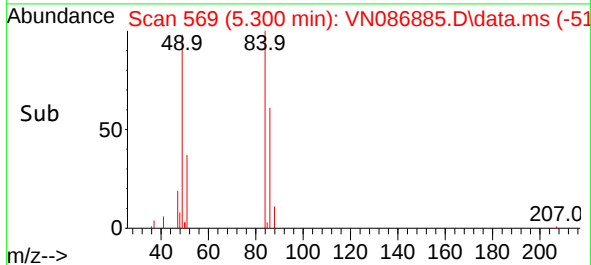
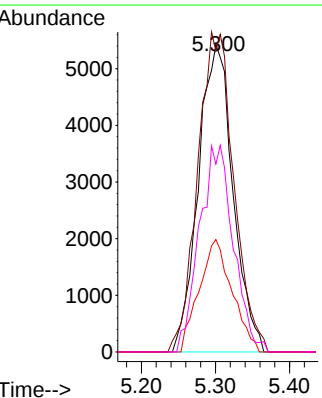
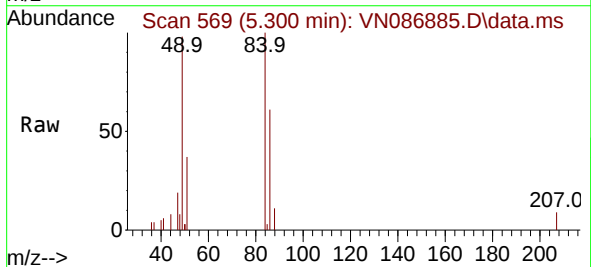
Instrument :
MSVOA_N
ClientSampleId :
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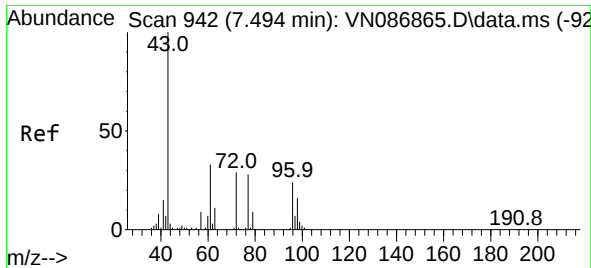
Tgt Ion: 43 Resp: 3801
Ion Ratio Lower Upper
43 100
74 12.4 20.7 31.1#



#20
Methylene Chloride
Concen: 3.283 ug/l
RT: 5.300 min Scan# 569
Delta R.T. 0.006 min
Lab File: VN086885.D
Acq: 06 Jun 2025 22:29

Tgt Ion: 84 Resp: 17613
Ion Ratio Lower Upper
84 100
49 98.0 90.5 135.7
51 36.6 28.5 42.7
86 61.2 48.1 72.1

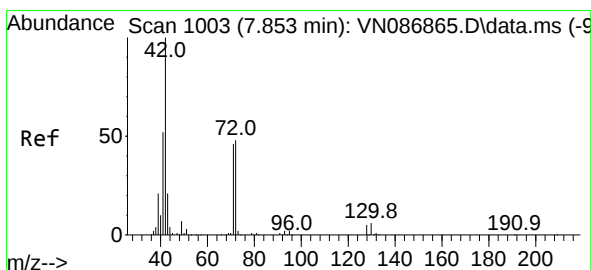
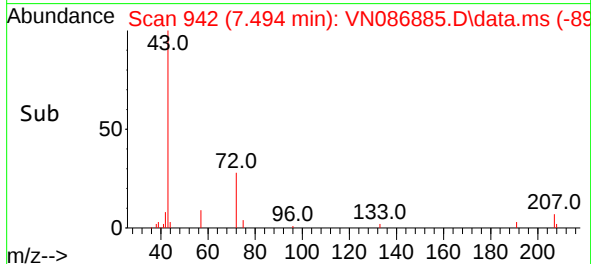
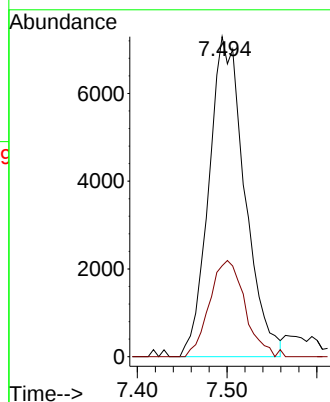
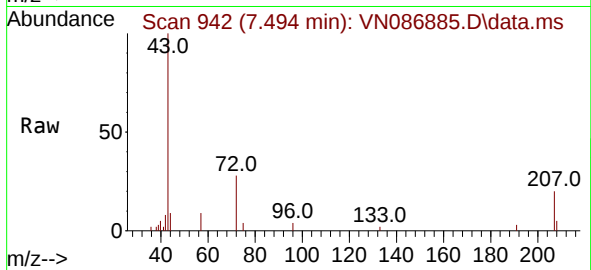




#25
2-Butanone
Concen: 4.343 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.000 min
Lab File: VN086885.D
Acq: 06 Jun 2025 22:29

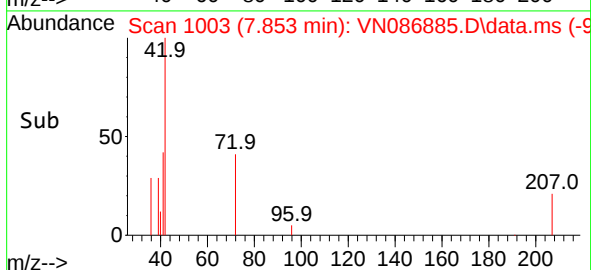
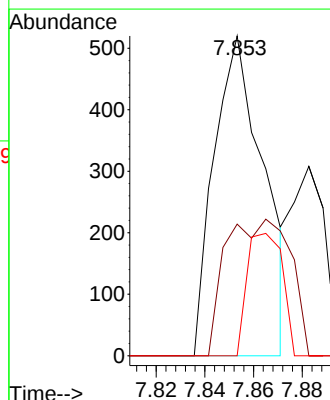
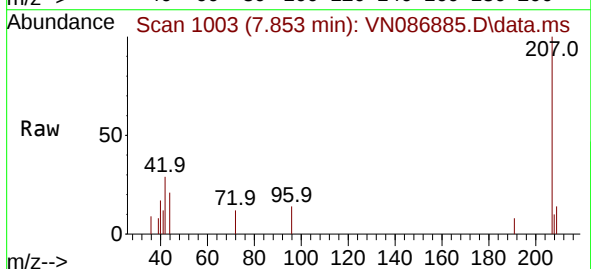
Instrument :
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ClientSampleId :
B-207-SB02

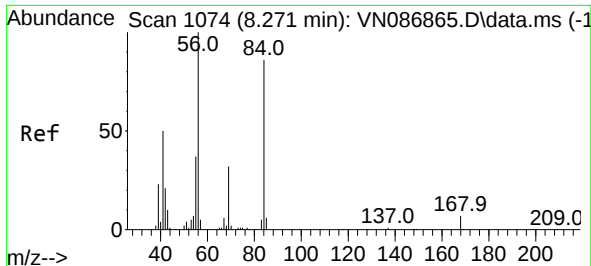
Tgt Ion: 43 Resp: 20232
Ion Ratio Lower Upper
43 100
72 28.4 23.0 34.6



#29
Tetrahydrofuran
Concen: 0.243 ug/l
RT: 7.853 min Scan# 1003
Delta R.T. 0.000 min
Lab File: VN086885.D
Acq: 06 Jun 2025 22:29

Tgt Ion: 42 Resp: 736
Ion Ratio Lower Upper
42 100
72 55.7 37.8 56.6
71 27.2 35.6 53.4#

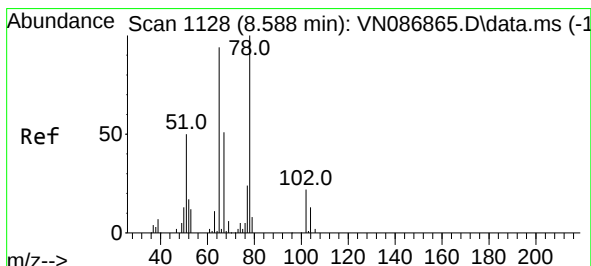
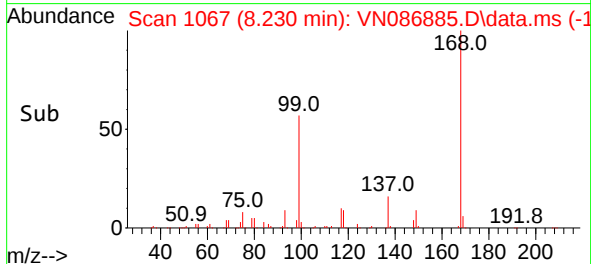
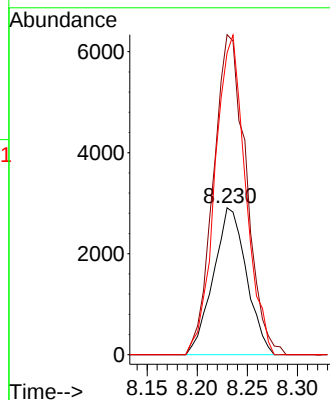
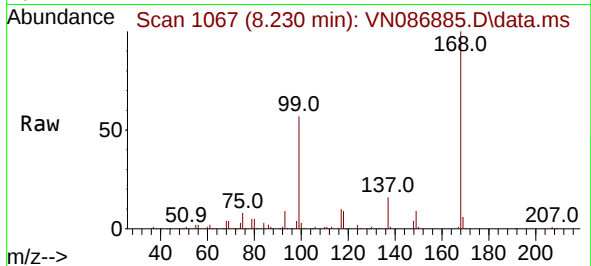




#31
Cyclohexane
Concen: 0.763 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.041 min
Lab File: VN086885.D
Acq: 06 Jun 2025 22:29

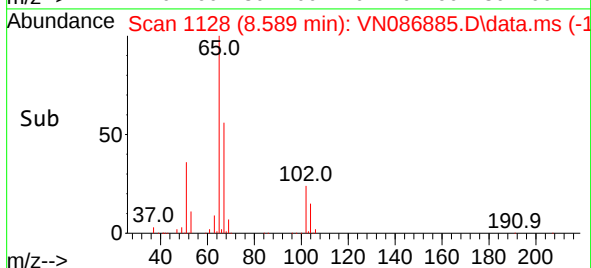
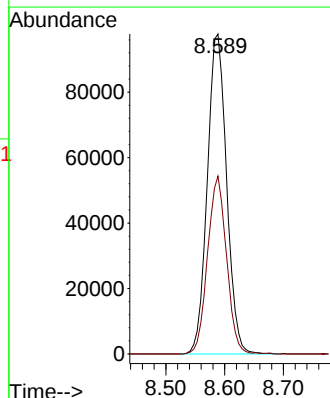
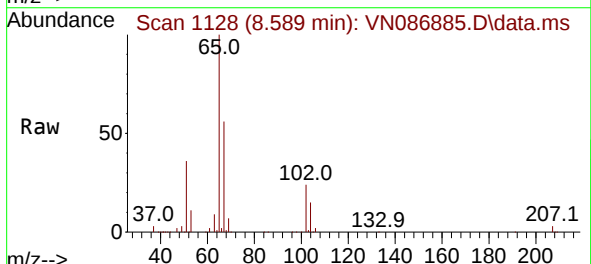
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ClientSampleId :
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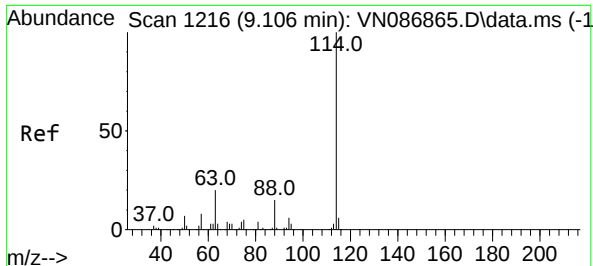
Tgt Ion: 56 Resp: 6684
Ion Ratio Lower Upper
56 100
69 217.8 25.4 38.0#
84 205.4 68.8 103.2#



#33
1,2-Dichloroethane-d4
Concen: 41.208 ug/l
RT: 8.589 min Scan# 1128
Delta R.T. 0.000 min
Lab File: VN086885.D
Acq: 06 Jun 2025 22:29

Tgt Ion: 65 Resp: 222690
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# 11

Delta R.T. 0.000 min

Lab File: VN086885.D

Acq: 06 Jun 2025 22:29

Instrument :

MSVOA_N

ClientSampleId :

B-207-SB02

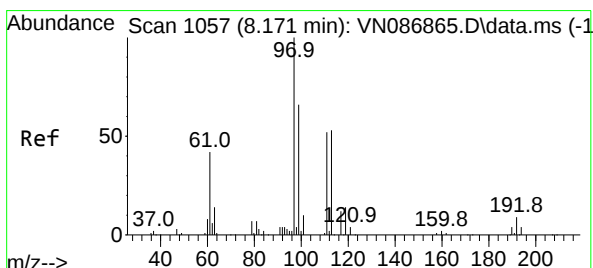
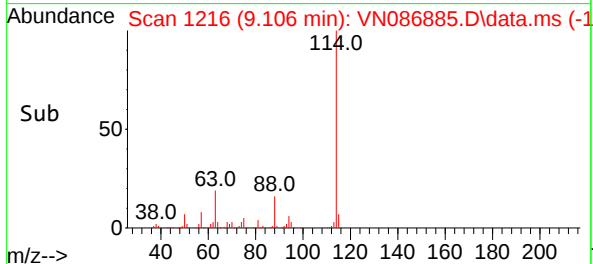
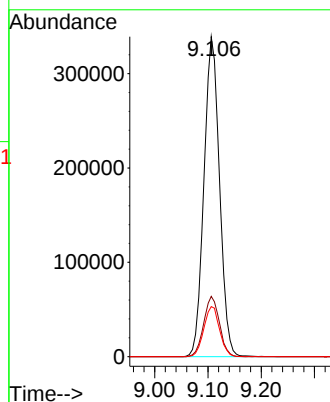
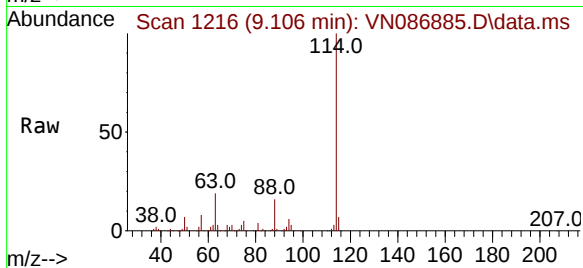
Tgt Ion:114 Resp: 688747

Ion Ratio Lower Upper

114 100

63 18.9 0.0 39.6

88 15.6 0.0 30.2



#35

Dibromofluoromethane

Concen: 47.847 ug/l

RT: 8.177 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VN086885.D

Acq: 06 Jun 2025 22:29

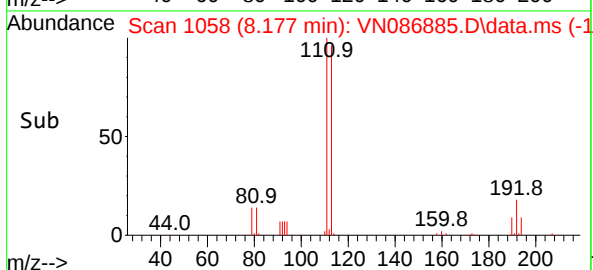
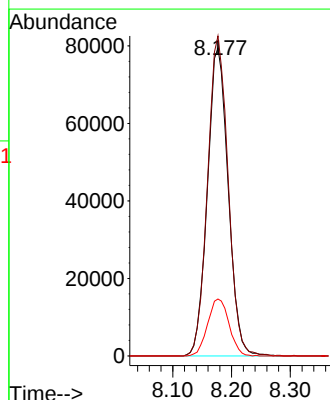
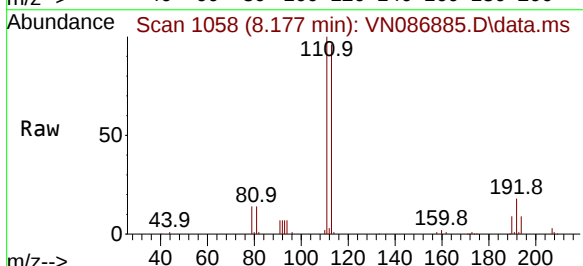
Tgt Ion:113 Resp: 195297

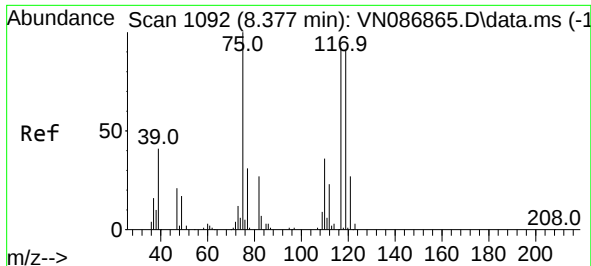
Ion Ratio Lower Upper

113 100

111 102.8 84.2 126.2

192 19.1 14.2 21.4





#36

1,1-Dichloropropene

Concen: 4.868 ug/l

RT: 8.236 min Scan# 1068

Delta R.T. -0.141 min

Lab File: VN086885.D

Acq: 06 Jun 2025 22:29

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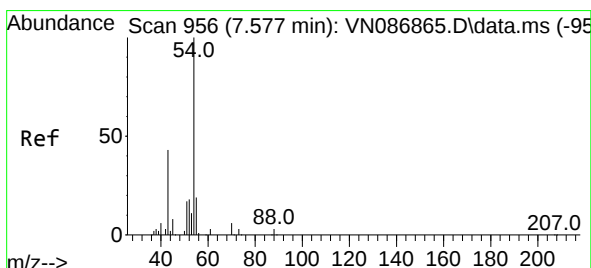
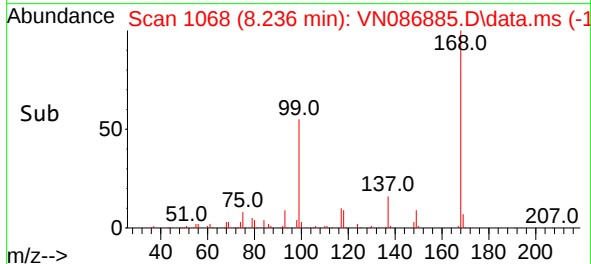
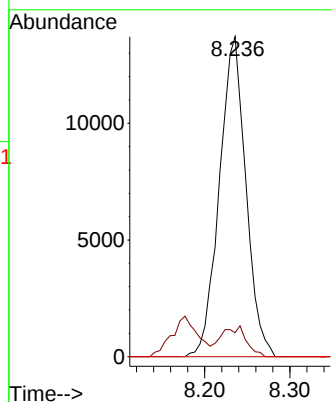
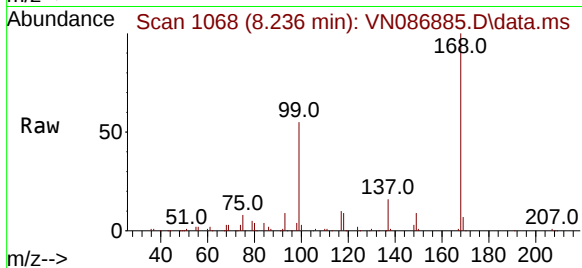
Tgt Ion: 75 Resp: 29607

Ion Ratio Lower Upper

75 100

110 9.1 17.6 52.9#

77 0.0 25.3 37.9#



#37

Ethyl Acetate

Concen: 2.613 ug/l

RT: 7.494 min Scan# 942

Delta R.T. -0.082 min

Lab File: VN086885.D

Acq: 06 Jun 2025 22:29

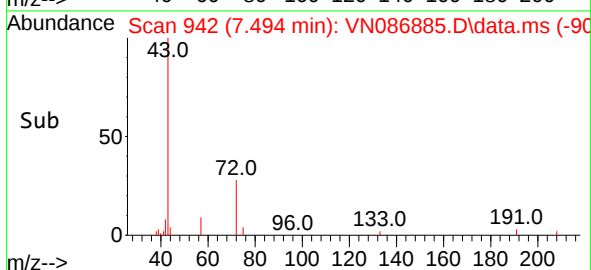
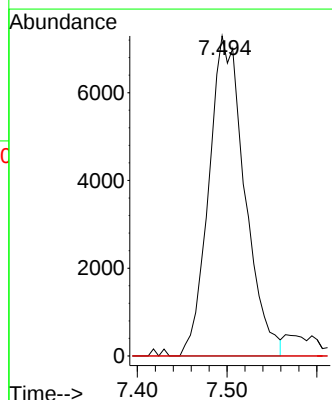
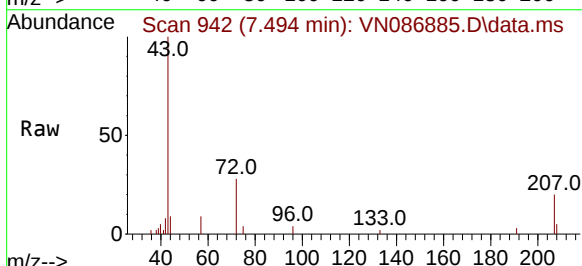
Tgt Ion: 43 Resp: 20232

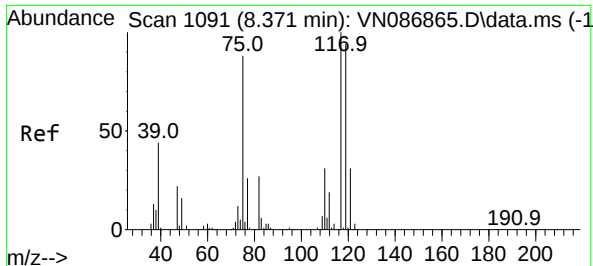
Ion Ratio Lower Upper

43 100

61 0.0 12.1 18.1#

70 0.0 9.8 14.6#

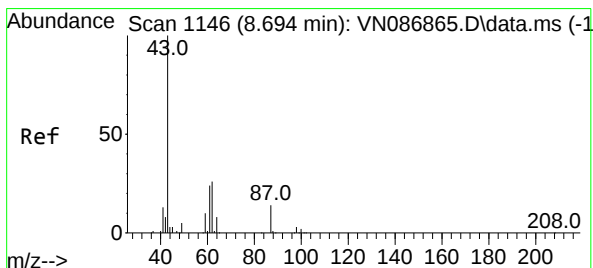
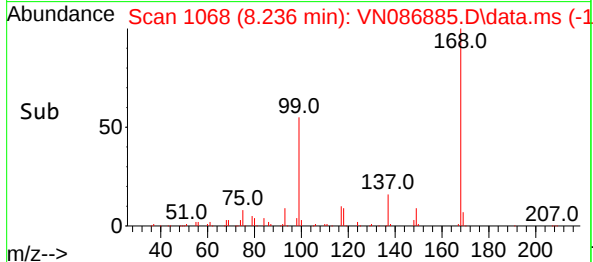
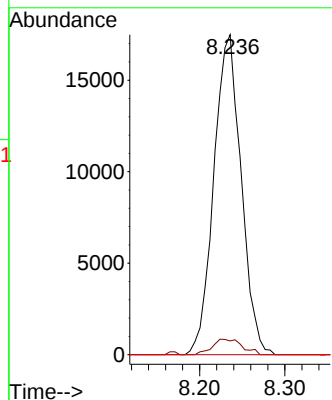
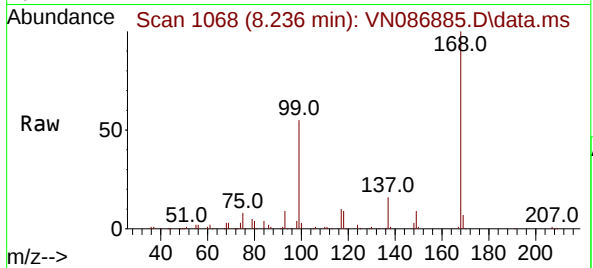




#38
Carbon Tetrachloride
Concen: 6.523 ug/l
RT: 8.236 min Scan# 1068
Delta R.T. -0.135 min
Lab File: VN086885.D
Acq: 06 Jun 2025 22:29

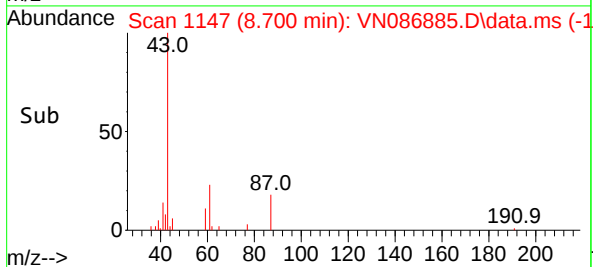
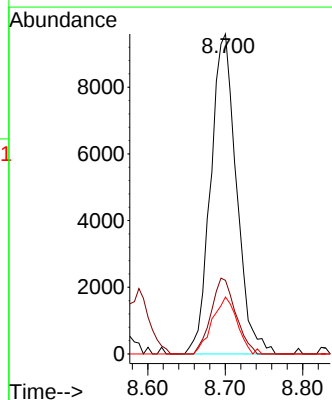
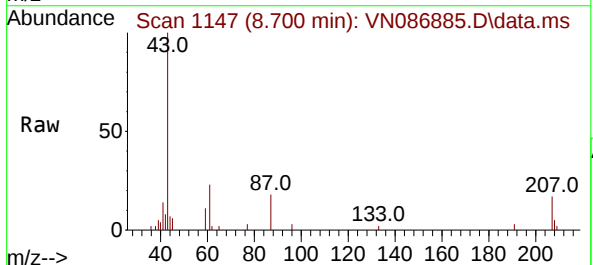
Instrument :
MSVOA_N
ClientSampleId :
B-207-SB02

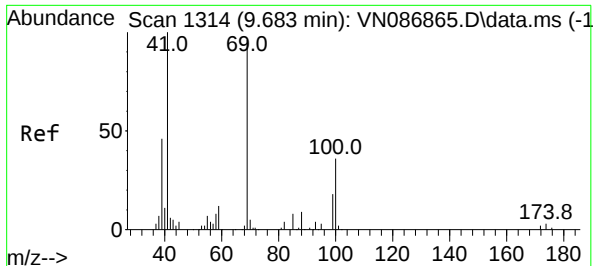
Tgt Ion:117 Resp: 38950
Ion Ratio Lower Upper
117 100
119 4.3 75.0 112.6#
121 0.0 24.9 37.3#



#43
Isopropyl Acetate
Concen: 1.786 ug/l
RT: 8.700 min Scan# 1147
Delta R.T. 0.006 min
Lab File: VN086885.D
Acq: 06 Jun 2025 22:29

Tgt Ion: 43 Resp: 22190
Ion Ratio Lower Upper
43 100
61 22.6 22.1 33.1
87 17.2 11.8 17.6





#48

Methyl methacrylate

Concen: 0.326 ug/l

RT: 9.671 min Scan# 1312

Delta R.T. -0.012 min

Lab File: VN086885.D

Acq: 06 Jun 2025 22:29

Instrument :

MSVOA_N

ClientSampleId :

B-207-SB02

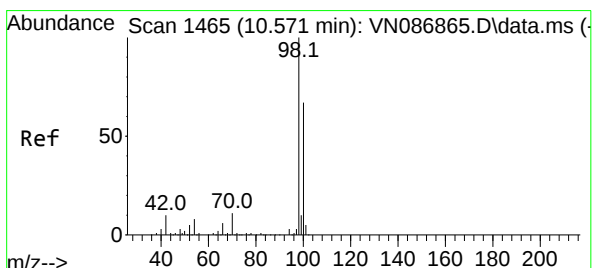
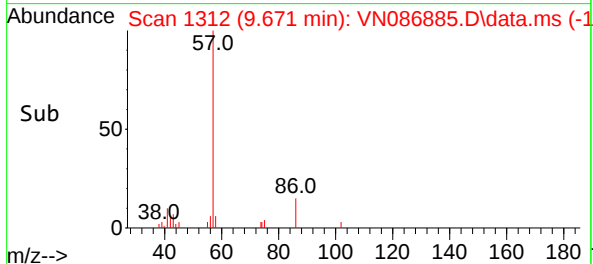
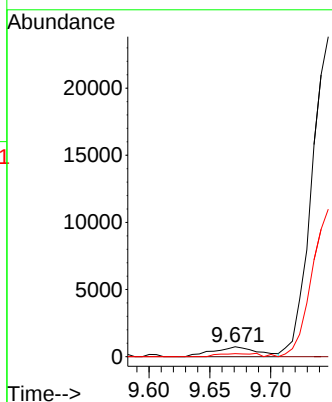
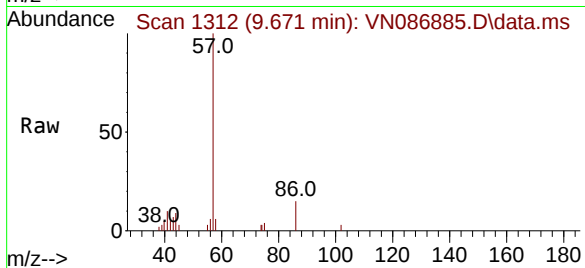
Tgt Ion: 41 Resp: 1863

Ion Ratio Lower Upper

41 100

69 0.0 74.6 112.0#

39 0.0 40.2 60.4#



#50

Toluene-d8

Concen: 50.656 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.000 min

Lab File: VN086885.D

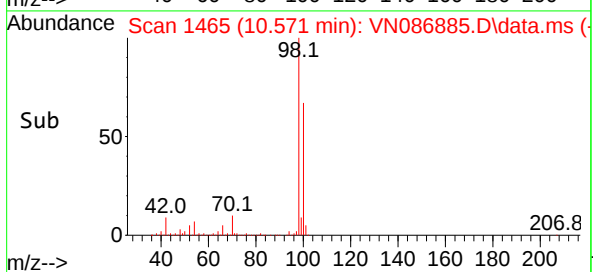
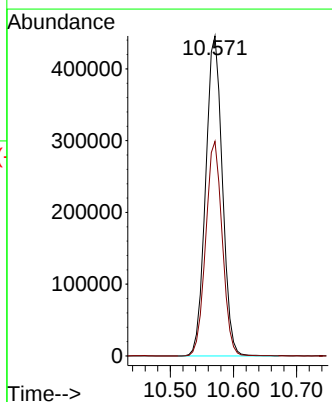
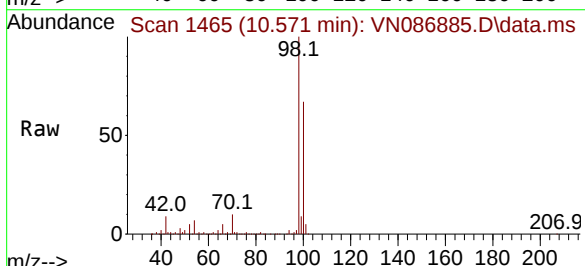
Acq: 06 Jun 2025 22:29

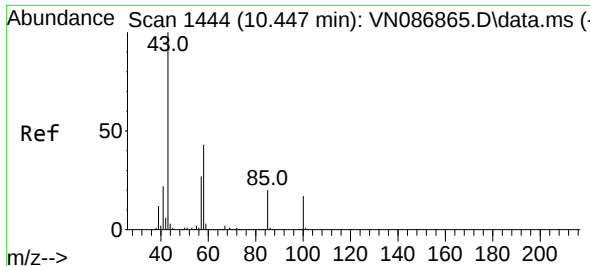
Tgt Ion: 98 Resp: 818506

Ion Ratio Lower Upper

98 100

100 66.5 53.4 80.0

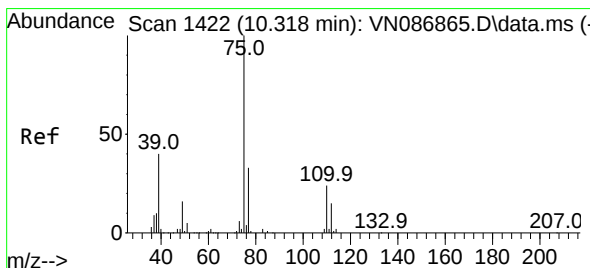
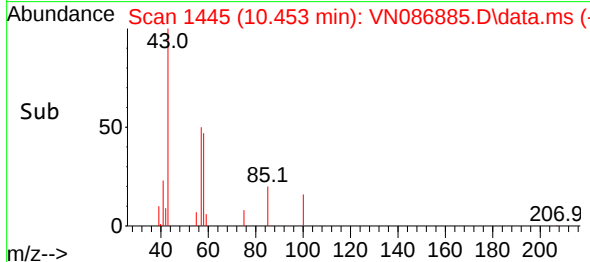
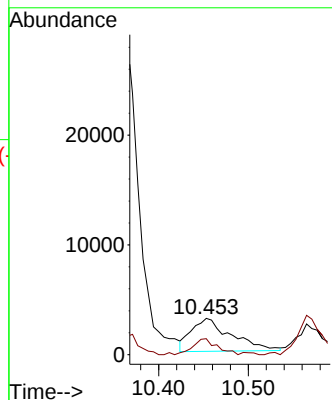
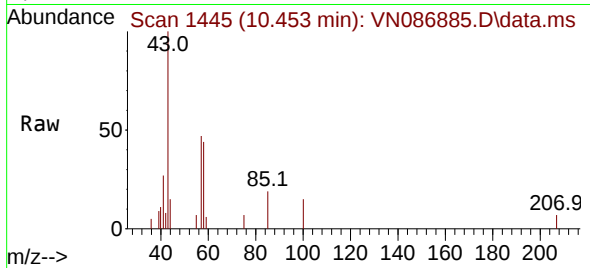




#51
4-Methyl-2-Pentanone
Concen: 1.241 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.006 min
Lab File: VN086885.D
Acq: 06 Jun 2025 22:29

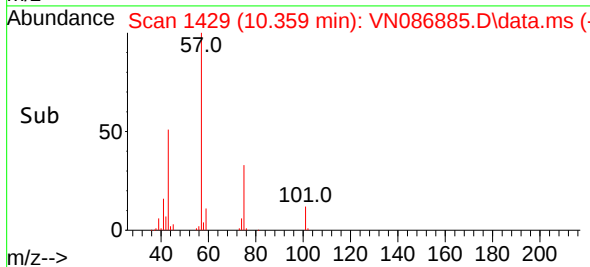
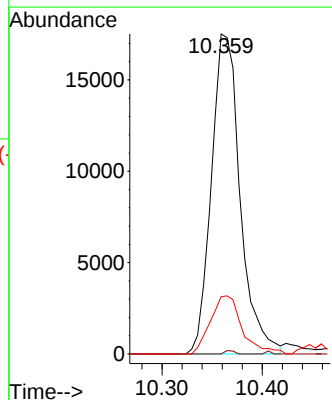
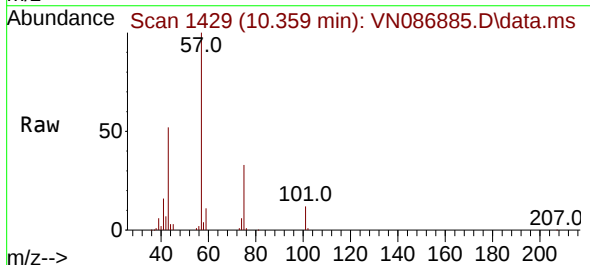
Instrument :
MSVOA_N
ClientSampleId :
B-207-SB02

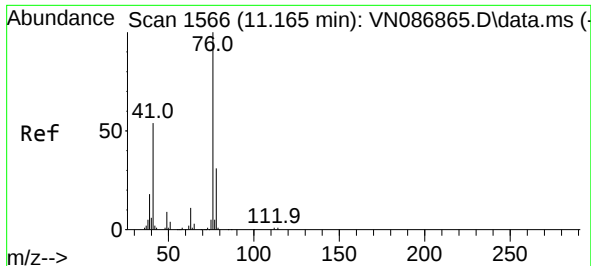
Tgt Ion: 43 Resp: 9286
Ion Ratio Lower Upper
43 100
58 29.9 34.2 51.4#



#54
cis-1,3-Dichloropropene
Concen: 4.403 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.041 min
Lab File: VN086885.D
Acq: 06 Jun 2025 22:29

Tgt Ion: 75 Resp: 34835
Ion Ratio Lower Upper
75 100
77 0.0 26.2 39.4#
39 17.9 32.3 48.5#





#57

1,3-Dichloropropane

Concen: 0.274 ug/l

RT: 11.218 min Scan# 1575

Delta R.T. 0.053 min

Lab File: VN086885.D

Acq: 06 Jun 2025 22:29

Instrument :

MSVOA_N

ClientSampleId :

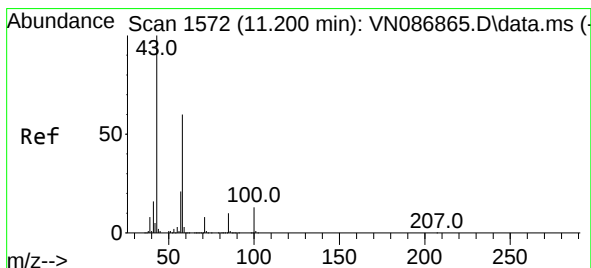
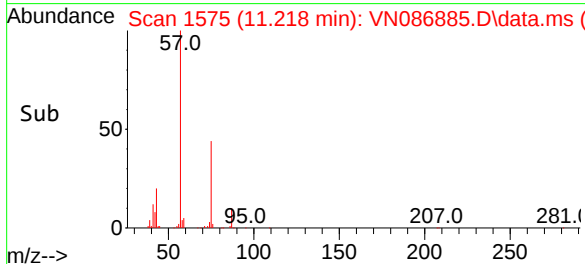
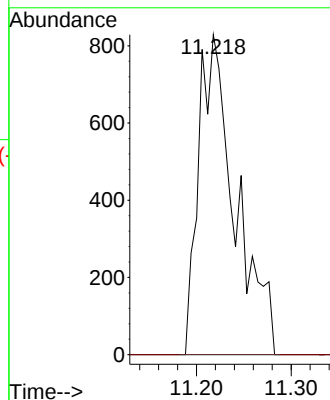
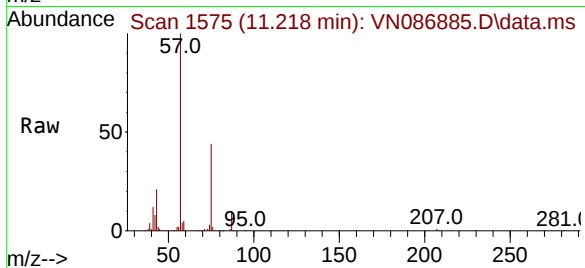
B-207-SB02

Tgt Ion: 76 Resp: 2220

Ion Ratio Lower Upper

76 100

78 0.0 25.3 37.9#



#59

2-Hexanone

Concen: 4.606 ug/l

RT: 11.218 min Scan# 1575

Delta R.T. 0.018 min

Lab File: VN086885.D

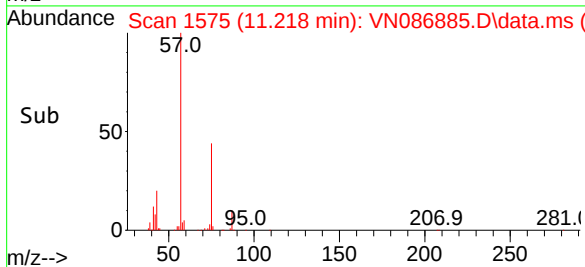
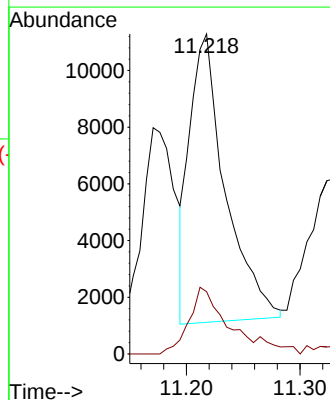
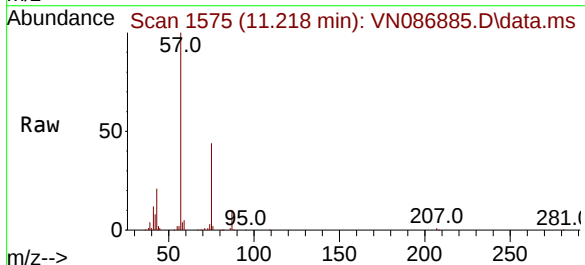
Acq: 06 Jun 2025 22:29

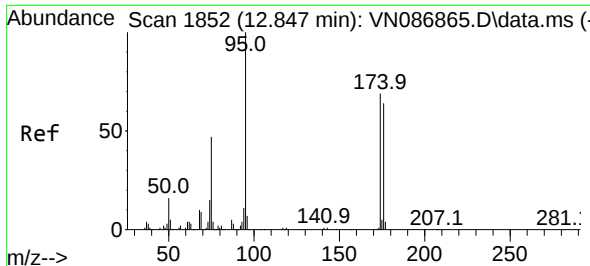
Tgt Ion: 43 Resp: 22193

Ion Ratio Lower Upper

43 100

58 26.7 30.4 91.3#

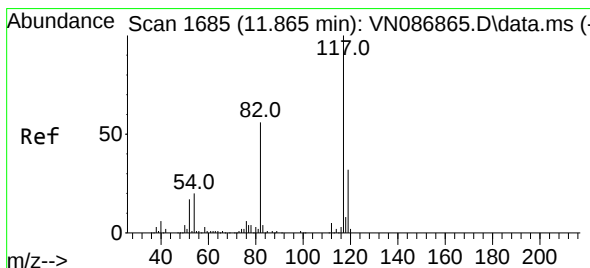
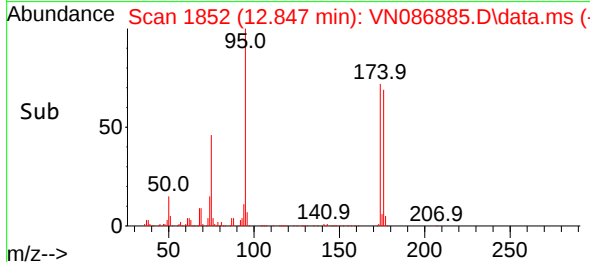
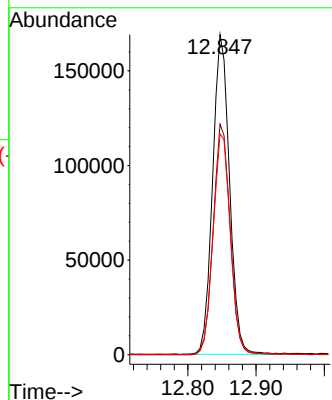
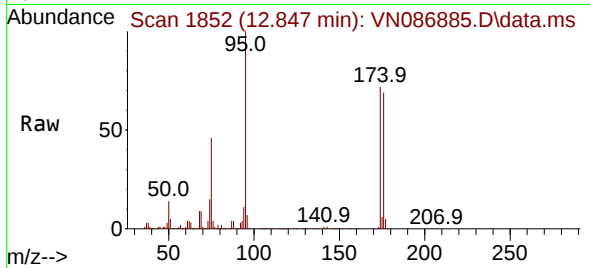




#62
4-Bromofluorobenzene
Concen: 48.612 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN086885.D
Acq: 06 Jun 2025 22:29

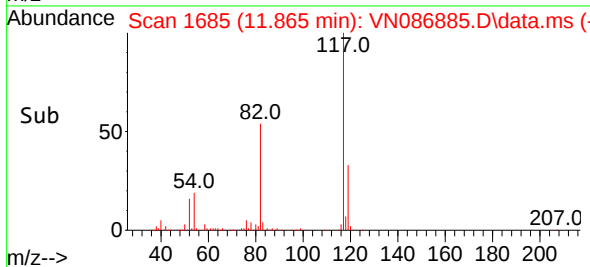
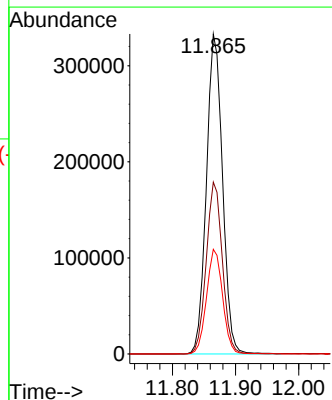
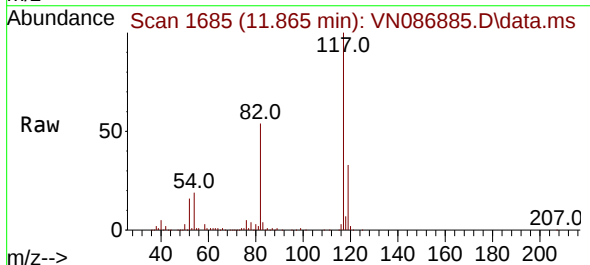
Instrument :
MSVOA_N
ClientSampleId :
B-207-SB02

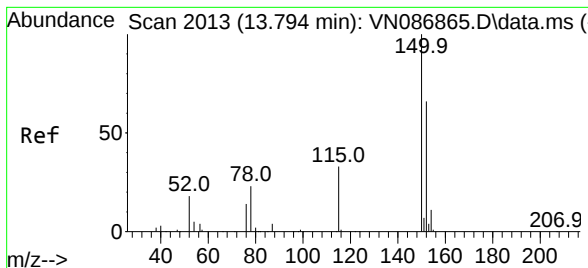
Tgt Ion: 95 Resp: 291833
Ion Ratio Lower Upper
95 100
174 72.6 0.0 141.8
176 70.4 0.0 132.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN086885.D
Acq: 06 Jun 2025 22:29

Tgt Ion: 117 Resp: 589655
Ion Ratio Lower Upper
117 100
82 53.7 44.6 67.0
119 32.7 25.5 38.3

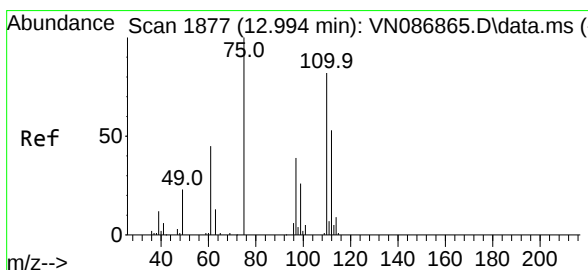
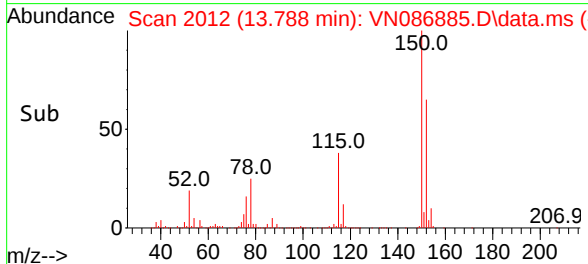
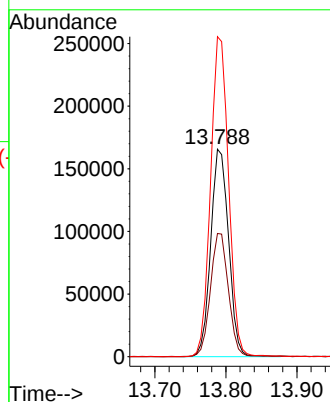
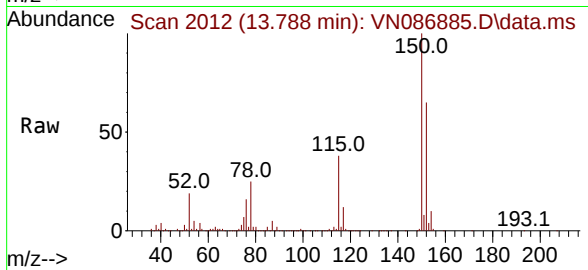




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 2013
 Delta R.T. -0.006 min
 Lab File: VN086885.D
 Acq: 06 Jun 2025 22:29

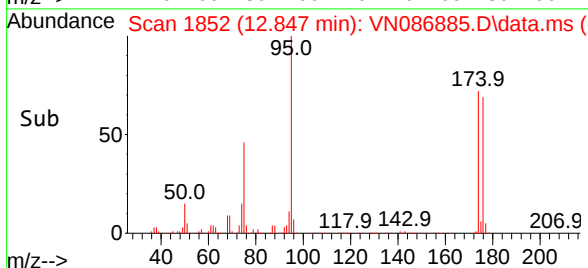
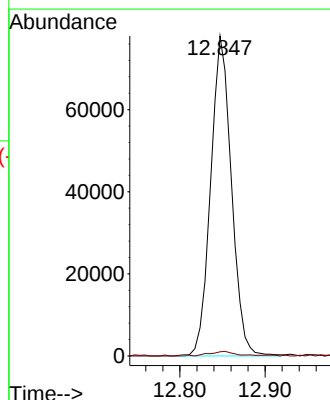
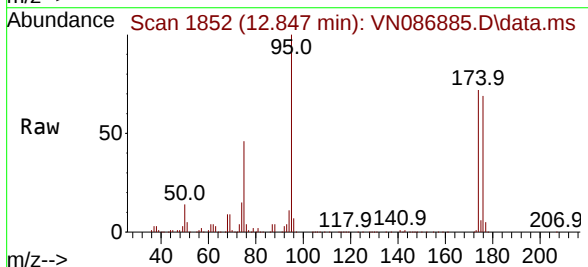
Instrument :
 MSVOA_N
 ClientSampleId :
 B-207-SB02

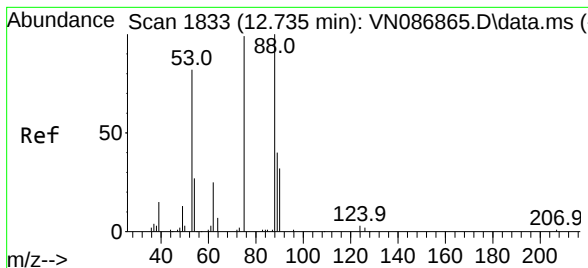
Tgt Ion:152 Resp: 289711
 Ion Ratio Lower Upper
 152 100
 115 59.3 30.1 90.5
 150 155.2 0.0 345.0



#76
 1,2,3-Trichloropropane
 Concen: 19.229 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.147 min
 Lab File: VN086885.D
 Acq: 06 Jun 2025 22:29

Tgt Ion: 75 Resp: 132421
 Ion Ratio Lower Upper
 75 100
 77 1.8 79.3 237.9#

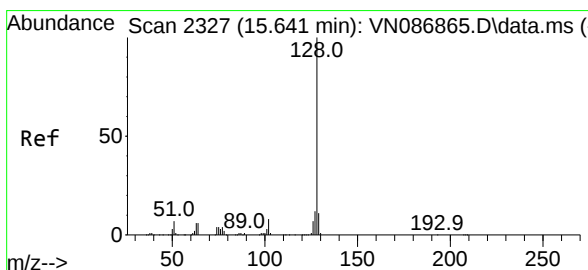
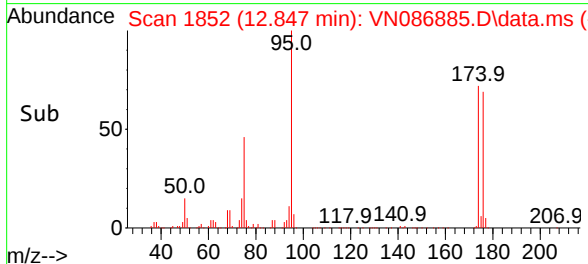
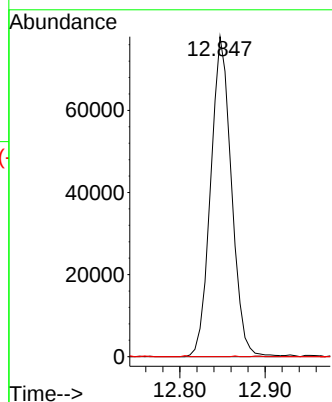
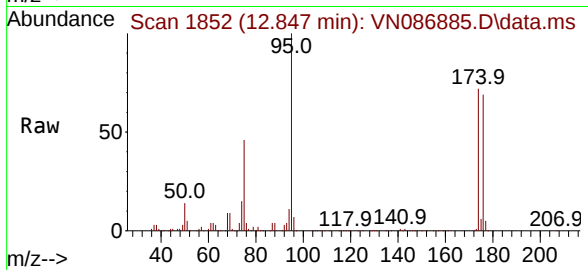




#81
trans-1,4-Dichloro-2-butene
Concen: 44.264 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN086885.D
Acq: 06 Jun 2025 22:29

Instrument :
MSVOA_N
ClientSampleId :
B-207-SB02

Tgt Ion: 75 Resp: 132421
Ion Ratio Lower Upper
75 100
53 0.0 66.6 99.8#
89 0.0 36.7 55.1#



#95
Naphthalene
Concen: 0.602 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. 0.000 min
Lab File: VN086885.D
Acq: 06 Jun 2025 22:29

Tgt Ion:128 Resp: 13088
Ion Ratio Lower Upper
128 100
127 15.8 10.2 15.2#
129 18.6 8.8 13.2#

