

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060925\
 Data File : VN086889.D
 Acq On : 09 Jun 2025 09:12
 Operator : JC\MD
 Sample : VN0609MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0609MBL01

Quant Time: Jun 10 03:27:54 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)

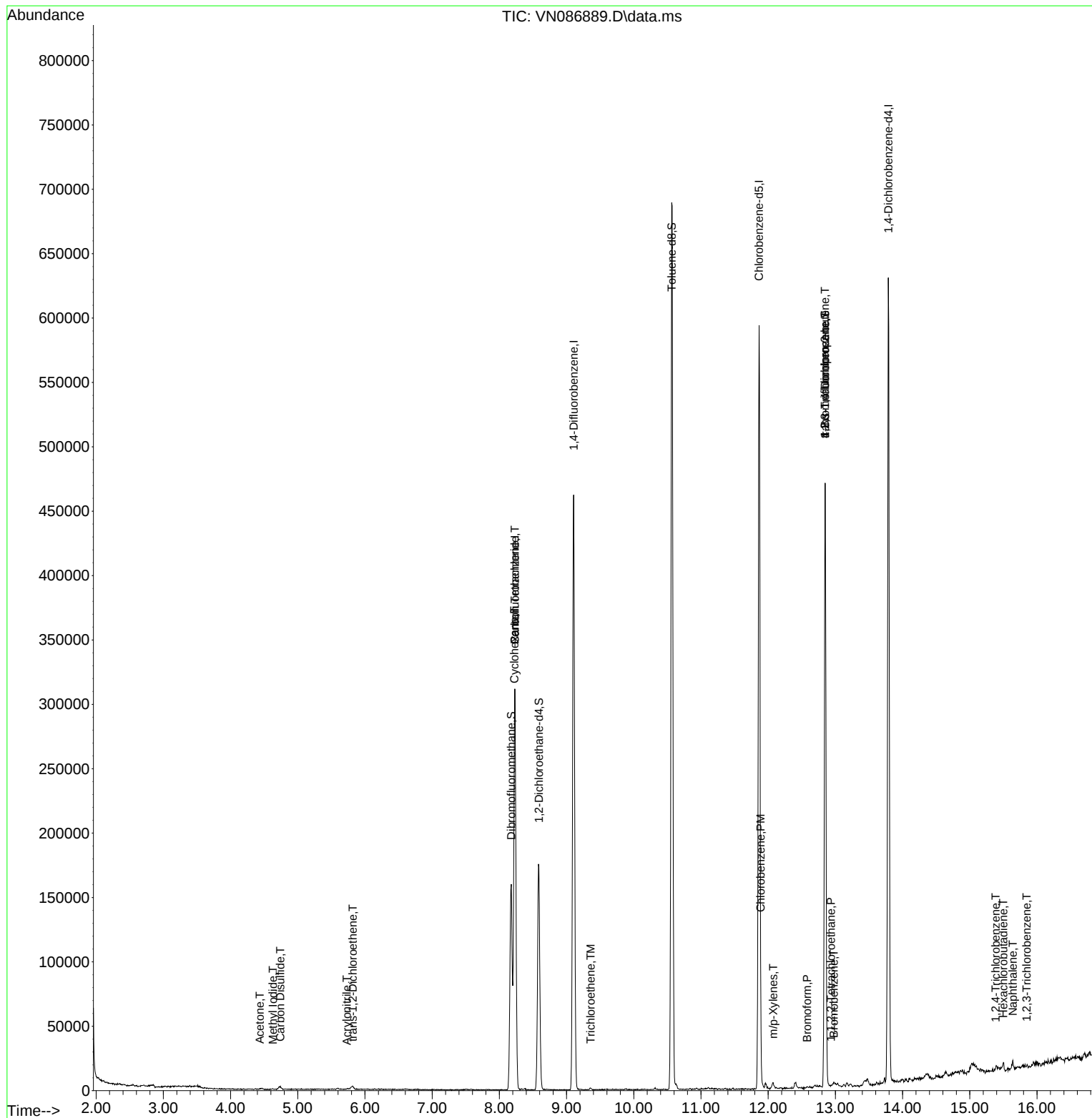
Internal Standards						
1) Pentafluorobenzene	8.230	168	249041	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	437413	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	375931	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	185529	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	144348	43.291	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	86.580%		
35) Dibromofluoromethane	8.177	113	125507	48.417	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.840%		
50) Toluene-d8	10.565	98	521169	50.787	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	101.580%		
62) 4-Bromofluorobenzene	12.847	95	183485	48.126	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	96.260%		
Target Compounds						Qvalue
10) Methyl Iodide	4.630	142	813	0.231	ug/l #	91
15) Acrylonitrile	5.730	53	480	0.227	ug/l #	63
16) Acetone	4.436	43	567	0.321	ug/l #	40
17) Carbon Disulfide	4.742	76	3184	0.415	ug/l #	75
21) trans-1,2-Dichloroethene	5.818	96	2482	0.805	ug/l #	73
31) Cyclohexane	8.224	56	4570	0.845	ug/l #	1
38) Carbon Tetrachloride	8.230	117	24008	6.331	ug/l #	16
44) Trichloroethene	9.359	130	722	0.241	ug/l	66
65) Chlorobenzene	11.888	112	1720	0.207	ug/l	94
68) m/p-Xylenes	12.076	106	1745	0.319	ug/l	90
71) Bromoform	12.582	173	426	0.216	ug/l #	29
75) 1,1,2,2-Tetrachloroethane	12.935	83	1162	0.254	ug/l #	86
76) 1,2,3-Trichloropropane	12.847	75	83466	18.926	ug/l #	1
77) Bromobenzene	12.976	156	704	0.227	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.847	75	83466	43.567	ug/l #	16
93) 1,2,4-Trichlorobenzene	15.388	180	761	0.203	ug/l #	71
94) Hexachlorobutadiene	15.500	225	982	0.704	ug/l	75
95) Naphthalene	15.641	128	6149	0.442	ug/l #	95
96) 1,2,3-Trichlorobenzene	15.847	180	780	0.210	ug/l	85

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

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Quant Title : SW846 8260
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Response via : Initial Calibration

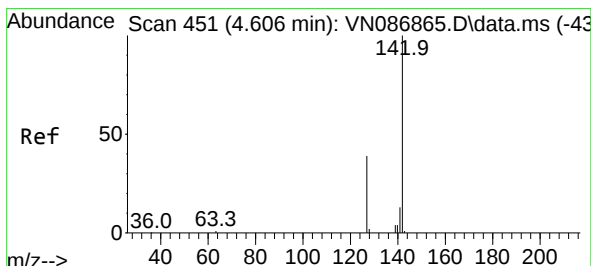
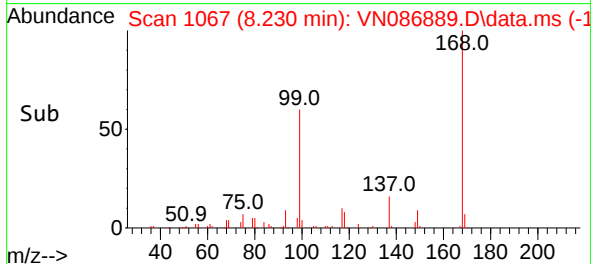
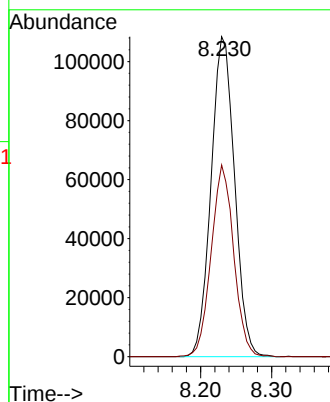
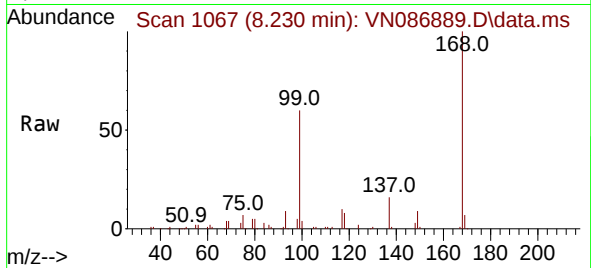




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.006 min
Lab File: VN086889.D
Acq: 09 Jun 2025 09:12

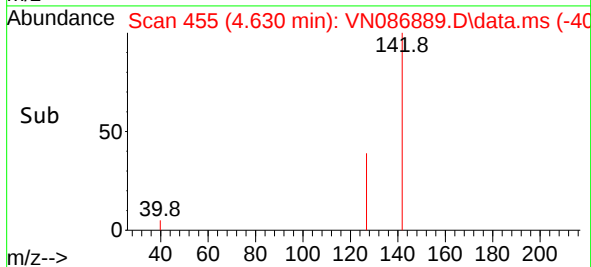
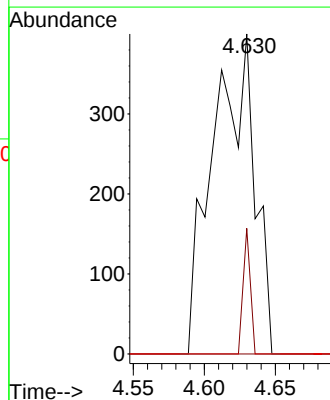
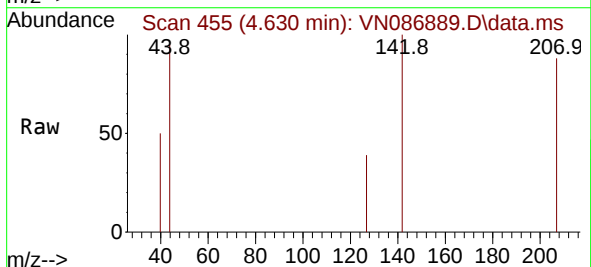
Instrument :
MSVOA_N
ClientSampleId :
VN0609MBL01

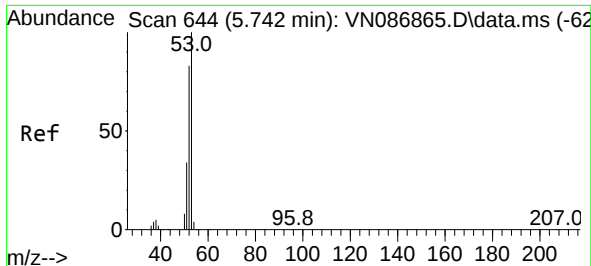
Tgt Ion:168 Resp: 249041
Ion Ratio Lower Upper
168 100
99 59.9 49.1 73.7



#10
Methyl Iodide
Concen: 0.231 ug/l
RT: 4.630 min Scan# 455
Delta R.T. 0.023 min
Lab File: VN086889.D
Acq: 09 Jun 2025 09:12

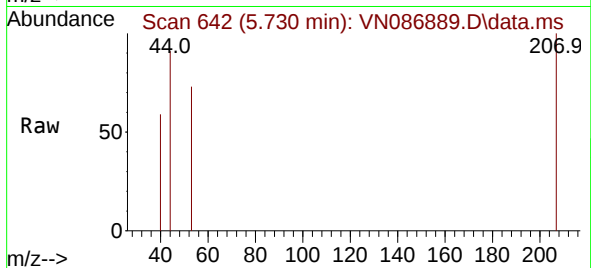
Tgt Ion:142 Resp: 813
Ion Ratio Lower Upper
142 100
127 39.3 30.9 46.3
141 0.0 10.4 15.6#



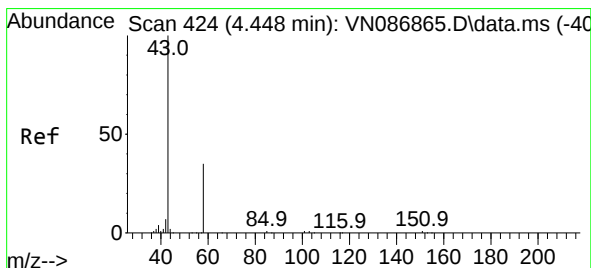
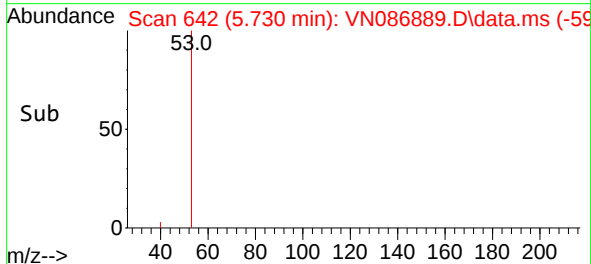
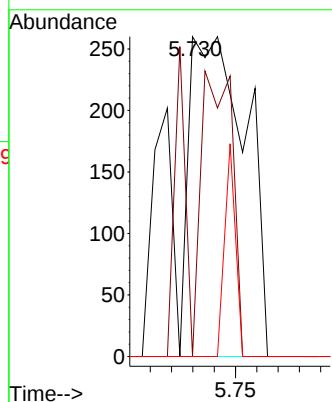


#15
Acrylonitrile
Concen: 0.227 ug/l
RT: 5.730 min Scan# 644
Delta R.T. -0.012 min
Lab File: VN086889.D
Acq: 09 Jun 2025 09:12

Instrument :
MSVOA_N
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VN0609MBL01

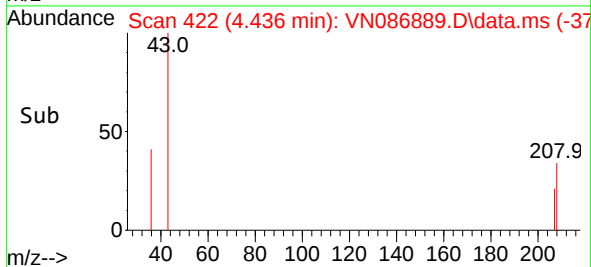
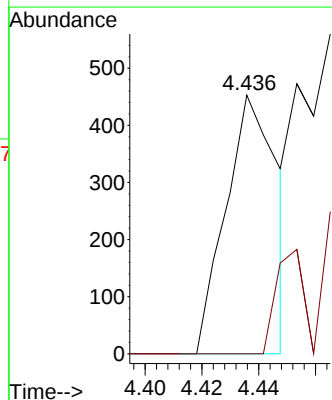
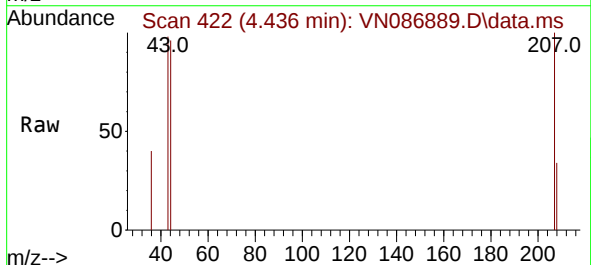


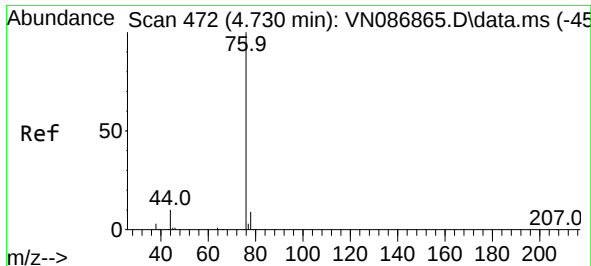
Tgt Ion: 53 Resp: 480
Ion Ratio Lower Upper
53 100
52 48.8 65.0 97.6#
51 12.7 27.2 40.8#



#16
Acetone
Concen: 0.321 ug/l
RT: 4.436 min Scan# 422
Delta R.T. -0.012 min
Lab File: VN086889.D
Acq: 09 Jun 2025 09:12

Tgt Ion: 43 Resp: 567
Ion Ratio Lower Upper
43 100
58 0.0 28.0 42.0#





#17

Carbon Disulfide

Concen: 0.415 ug/l

RT: 4.742 min Scan# 41

Delta R.T. 0.012 min

Lab File: VN086889.D

Acq: 09 Jun 2025 09:12

Instrument :

MSVOA_N

ClientSampleId :

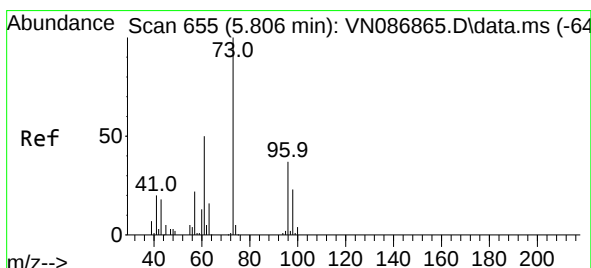
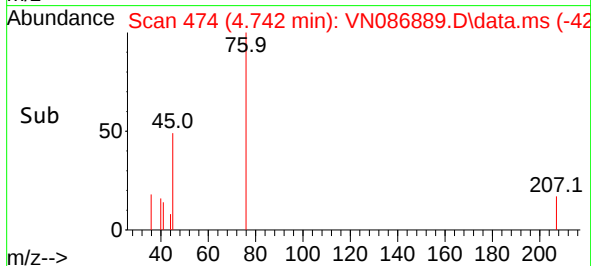
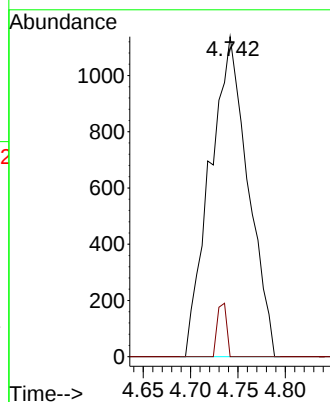
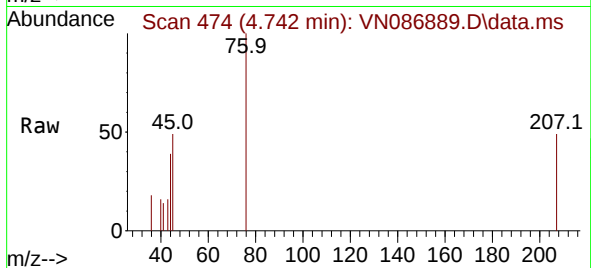
VN0609MBL01

Tgt Ion: 76 Resp: 3184

Ion Ratio Lower Upper

76 100

78 0.0 7.3 10.9#



#21

trans-1,2-Dichloroethene

Concen: 0.805 ug/l

RT: 5.818 min Scan# 657

Delta R.T. 0.012 min

Lab File: VN086889.D

Acq: 09 Jun 2025 09:12

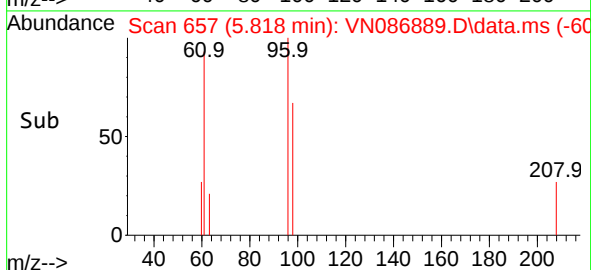
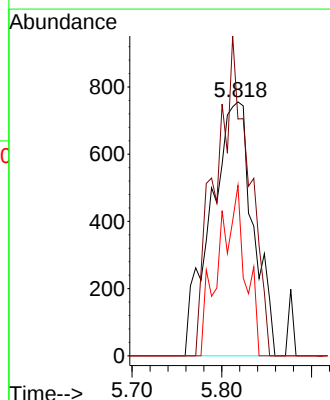
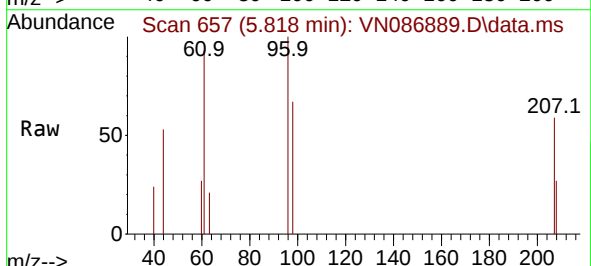
Tgt Ion: 96 Resp: 2482

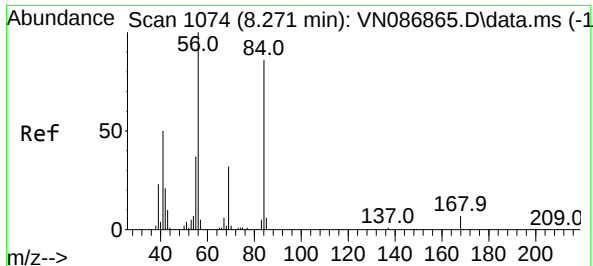
Ion Ratio Lower Upper

96 100

61 93.3 109.2 163.8#

98 67.1 49.8 74.8

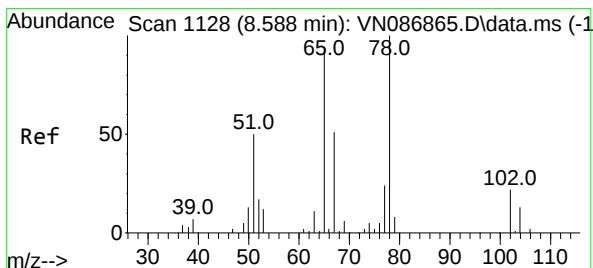
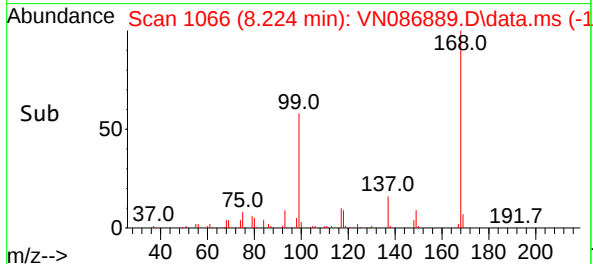
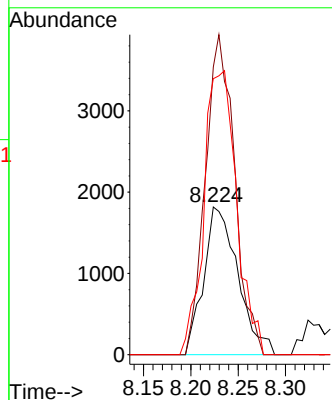
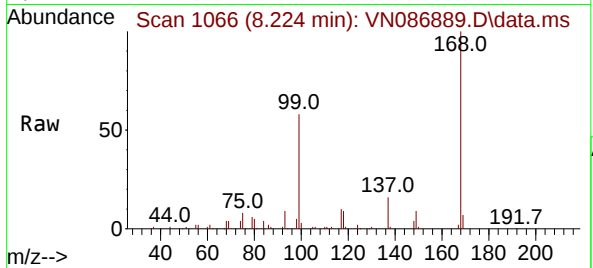




#31
Cyclohexane
Concen: 0.845 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.047 min
Lab File: VN086889.D
Acq: 09 Jun 2025 09:12

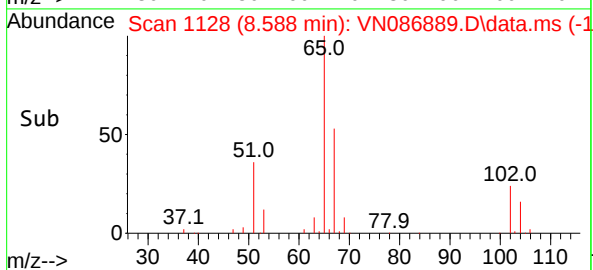
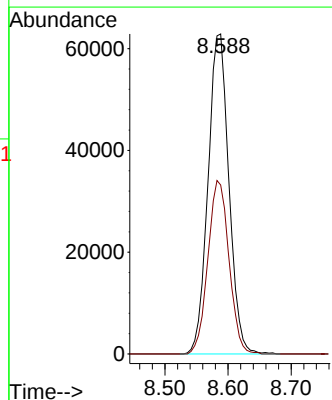
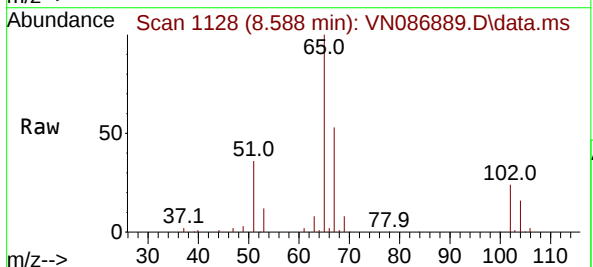
Instrument :
MSVOA_N
ClientSampleId :
VN0609MBL01

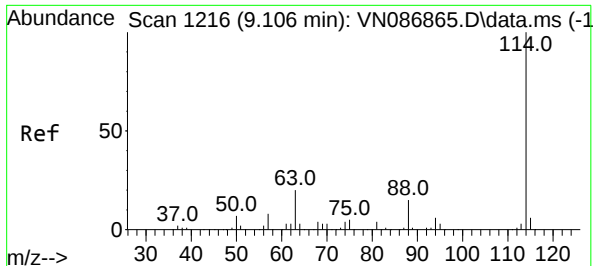
Tgt Ion: 56 Resp: 4570
Ion Ratio Lower Upper
56 100
69 194.8 25.4 38.0#
84 186.8 68.8 103.2#



#33
1,2-Dichloroethane-d4
Concen: 43.291 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. -0.000 min
Lab File: VN086889.D
Acq: 09 Jun 2025 09:12

Tgt Ion: 65 Resp: 144348
Ion Ratio Lower Upper
65 100
67 54.7 0.0 105.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN086889.D

Acq: 09 Jun 2025 09:12

Instrument :

MSVOA_N

ClientSampleId :

VN0609MBL01

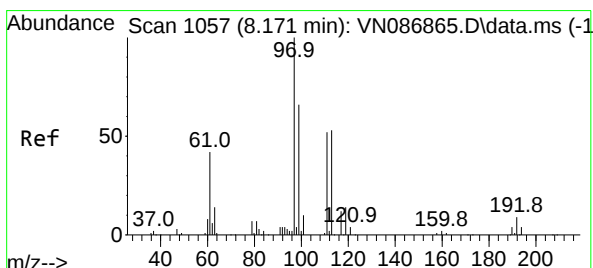
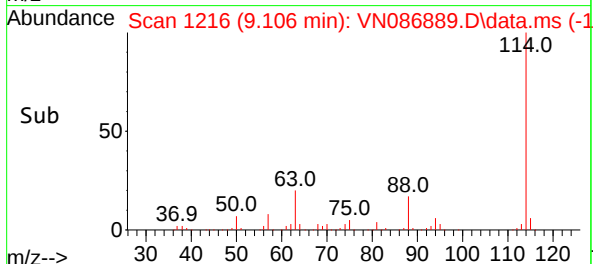
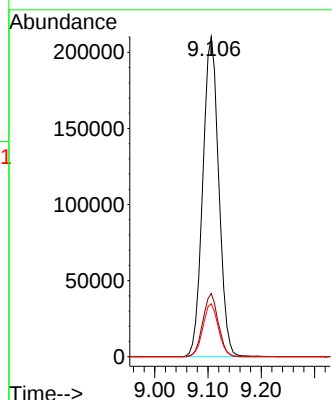
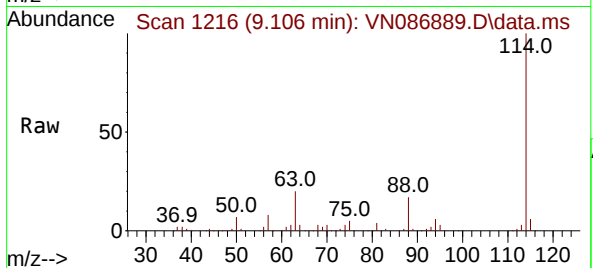
Tgt Ion:114 Resp: 437413

Ion Ratio Lower Upper

114 100

63 19.7 0.0 39.6

88 16.6 0.0 30.2



#35

Dibromofluoromethane

Concen: 48.417 ug/l

RT: 8.177 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VN086889.D

Acq: 09 Jun 2025 09:12

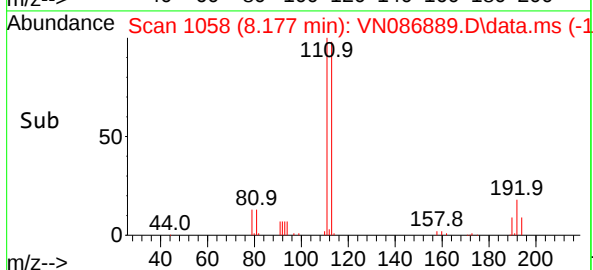
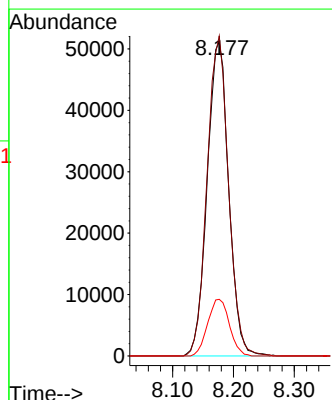
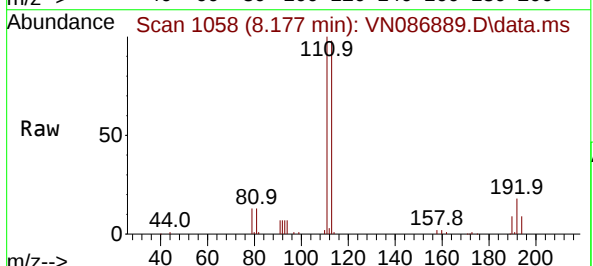
Tgt Ion:113 Resp: 125507

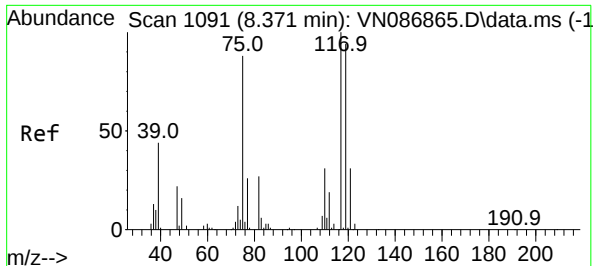
Ion Ratio Lower Upper

113 100

111 101.3 84.2 126.2

192 18.2 14.2 21.4

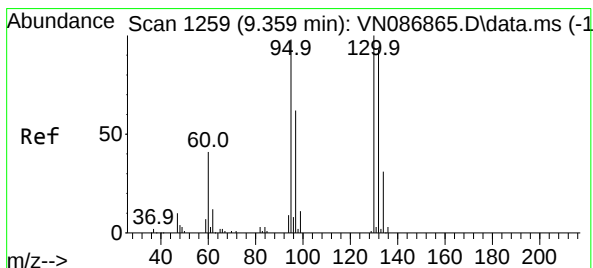
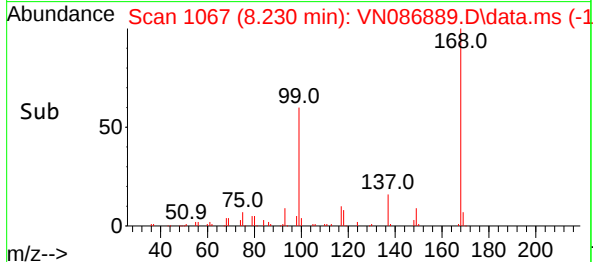
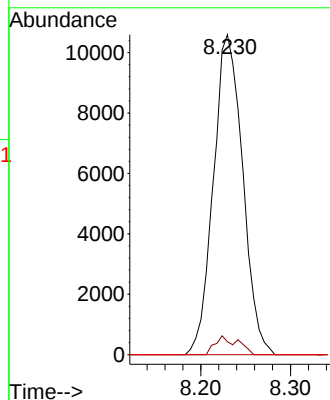
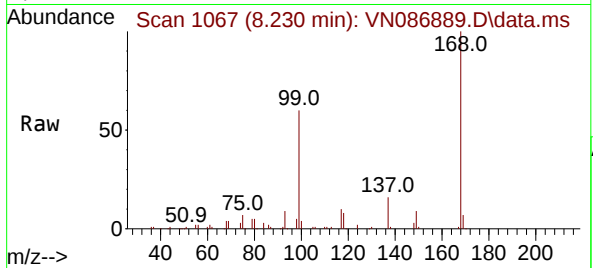




#38
Carbon Tetrachloride
Concen: 6.331 ug/l
RT: 8.230 min Scan# 117
Delta R.T. -0.141 min
Lab File: VN086889.D
Acq: 09 Jun 2025 09:12

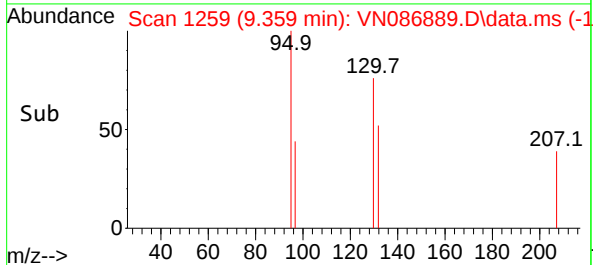
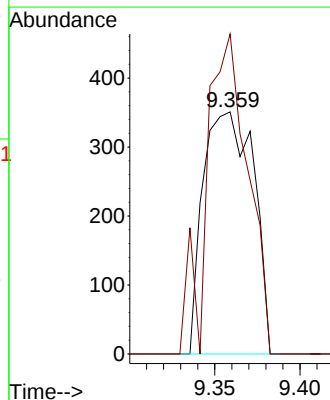
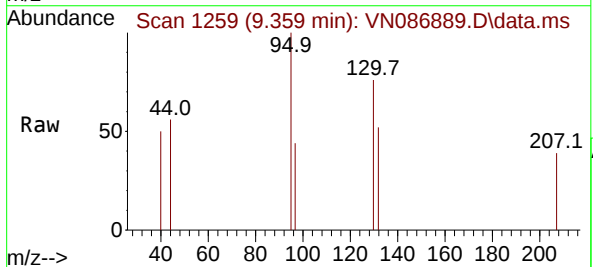
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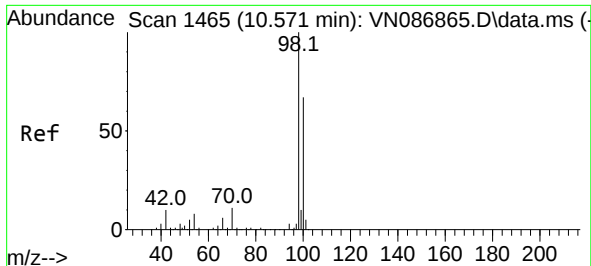
Tgt Ion:117 Resp: 24008
Ion Ratio Lower Upper
117 100
119 4.1 75.0 112.6#
121 0.0 24.9 37.3#



#44
Trichloroethene
Concen: 0.241 ug/l
RT: 9.359 min Scan# 1259
Delta R.T. -0.000 min
Lab File: VN086889.D
Acq: 09 Jun 2025 09:12

Tgt Ion:130 Resp: 722
Ion Ratio Lower Upper
130 100
95 132.2 0.0 196.2

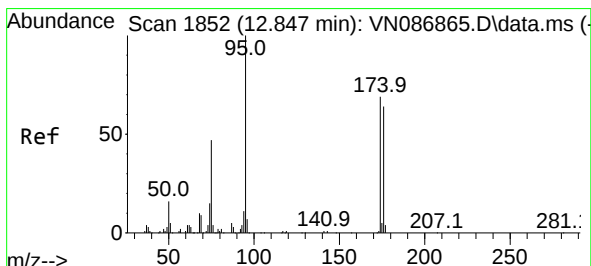
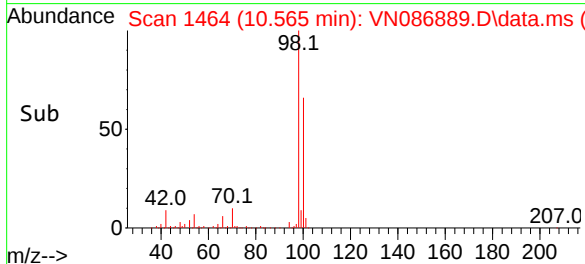
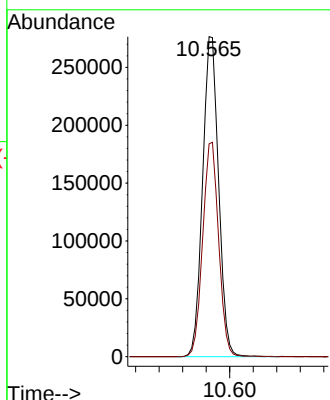
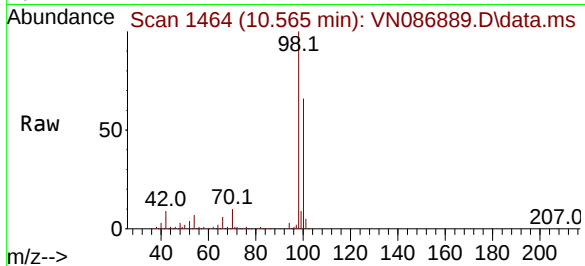




#50
Toluene-d8
Concen: 50.787 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VN086889.D
Acq: 09 Jun 2025 09:12

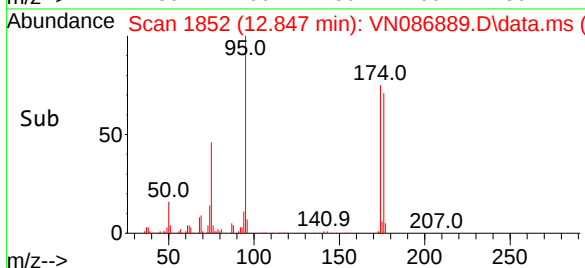
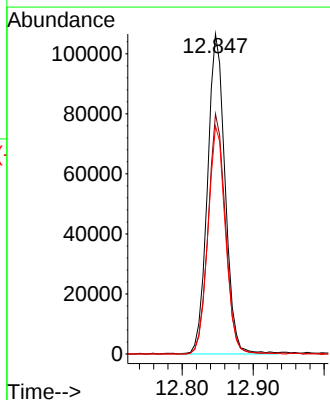
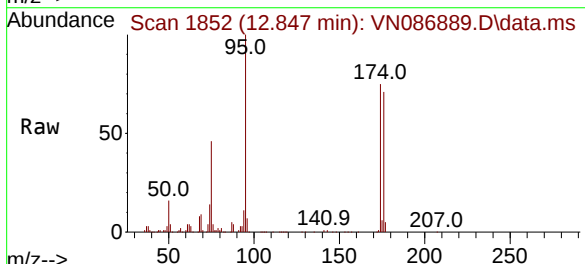
Instrument :
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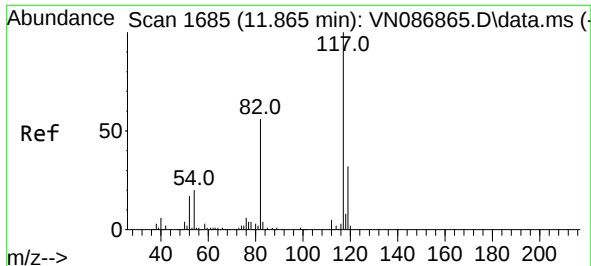
Tgt Ion: 98 Resp: 521169
Ion Ratio Lower Upper
98 100
100 66.8 53.4 80.0



#62
4-Bromofluorobenzene
Concen: 48.126 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086889.D
Acq: 09 Jun 2025 09:12

Tgt Ion: 95 Resp: 183485
Ion Ratio Lower Upper
95 100
174 73.5 0.0 141.8
176 70.6 0.0 132.6

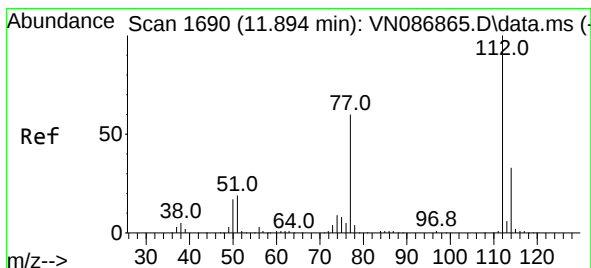
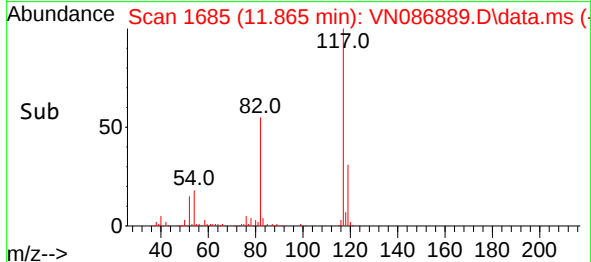
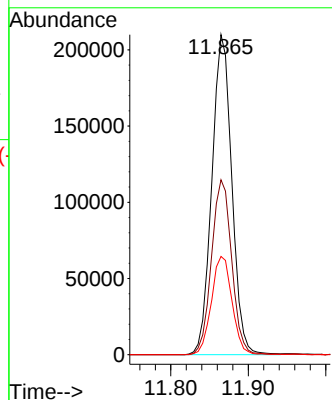
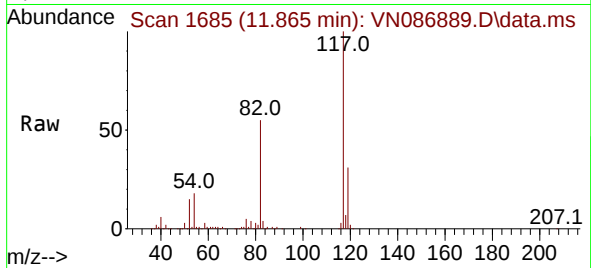




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN086889.D
Acq: 09 Jun 2025 09:12

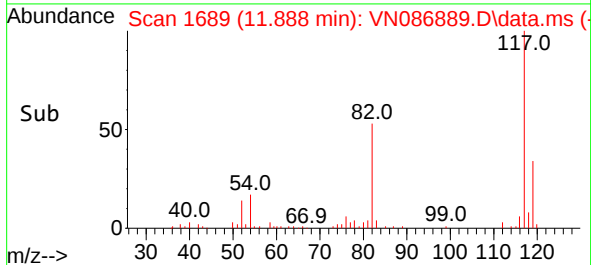
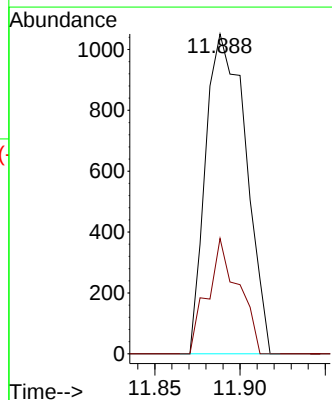
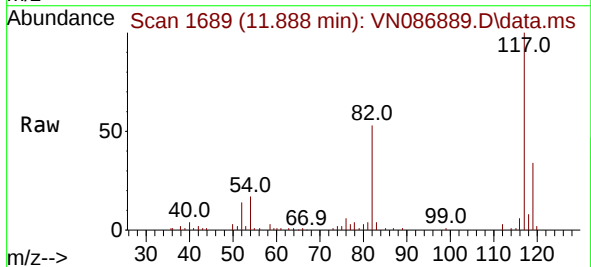
Instrument :
MSVOA_N
ClientSampleId :
VN0609MBL01

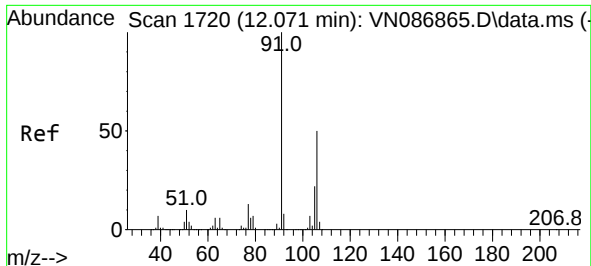
Tgt Ion:117 Resp: 375931
Ion Ratio Lower Upper
117 100
82 54.7 44.6 67.0
119 30.7 25.5 38.3



#65
Chlorobenzene
Concen: 0.207 ug/l
RT: 11.888 min Scan# 1689
Delta R.T. -0.006 min
Lab File: VN086889.D
Acq: 09 Jun 2025 09:12

Tgt Ion:112 Resp: 1720
Ion Ratio Lower Upper
112 100
114 36.1 26.2 39.2

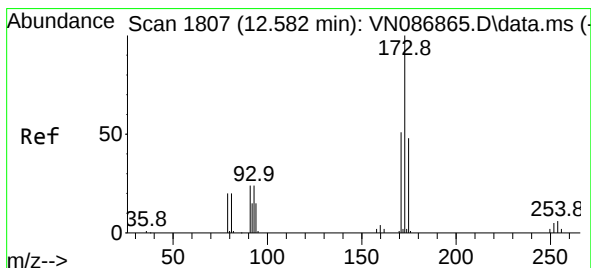
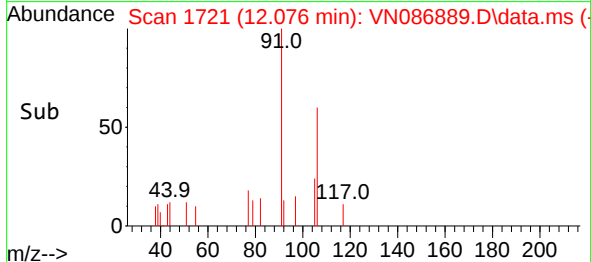
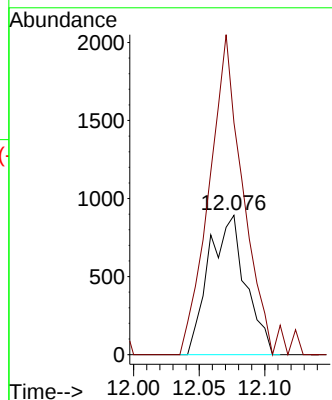
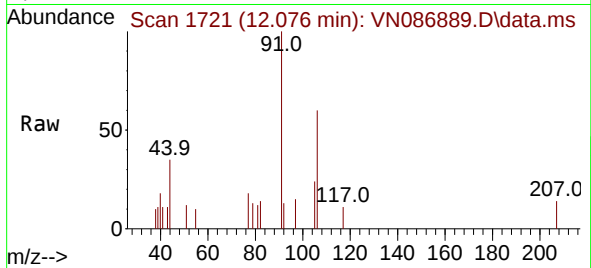




#68
m/p-Xylenes
Concen: 0.319 ug/l
RT: 12.076 min Scan# 1721
Delta R.T. 0.006 min
Lab File: VN086889.D
Acq: 09 Jun 2025 09:12

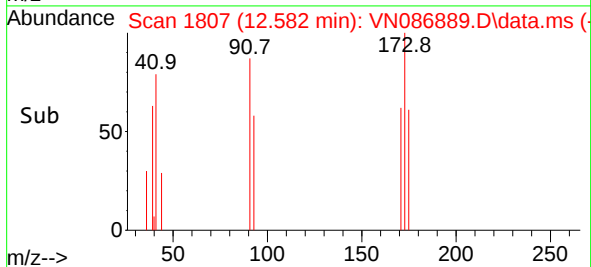
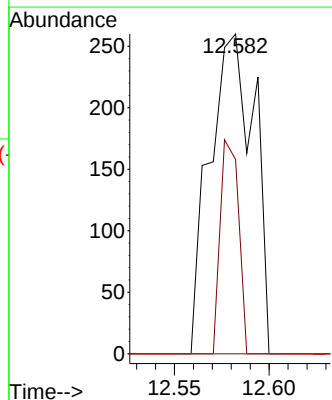
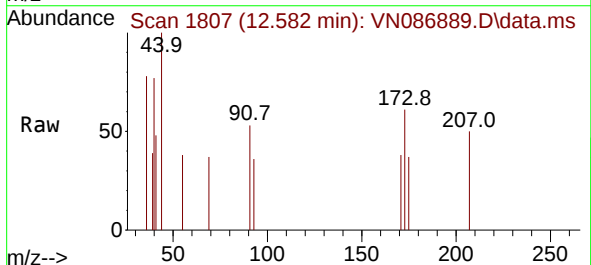
Instrument :
MSVOA_N
ClientSampleId :
VN0609MBL01

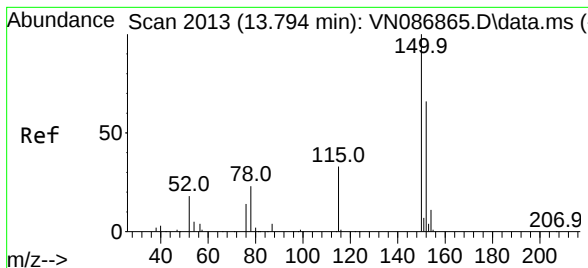
Tgt Ion:106 Resp: 1745
Ion Ratio Lower Upper
106 100
91 214.7 159.4 239.0



#71
Bromoform
Concen: 0.216 ug/l
RT: 12.582 min Scan# 1807
Delta R.T. -0.000 min
Lab File: VN086889.D
Acq: 09 Jun 2025 09:12

Tgt Ion:173 Resp: 426
Ion Ratio Lower Upper
173 100
175 0.0 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: VN086889.D

Acq: 09 Jun 2025 09:12

Instrument :

MSVOA_N

ClientSampleId :

VN0609MBL01

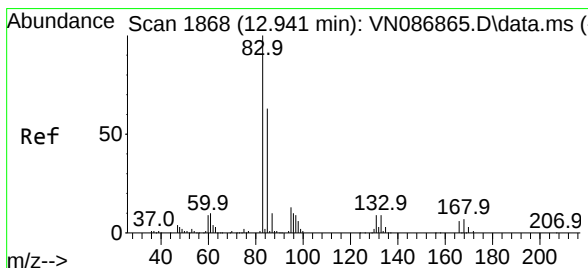
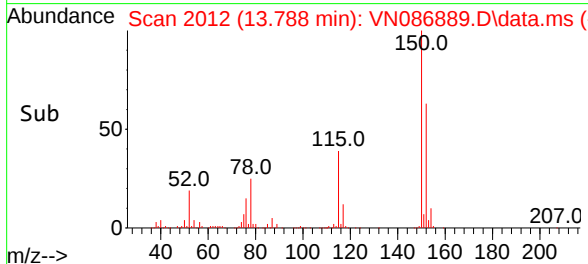
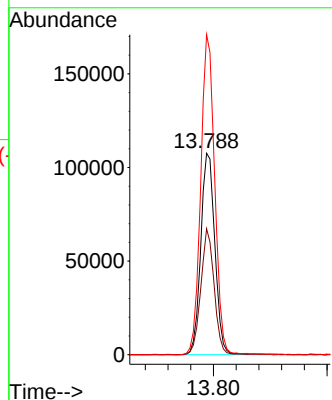
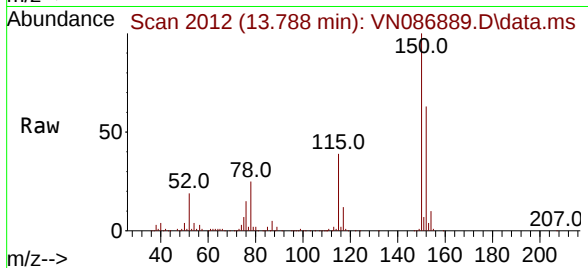
Tgt Ion:152 Resp: 185529

Ion Ratio Lower Upper

152 100

115 58.9 30.1 90.5

150 157.5 0.0 345.0



#75

1,1,2,2-Tetrachloroethane

Concen: 0.254 ug/l

RT: 12.935 min Scan# 1867

Delta R.T. -0.006 min

Lab File: VN086889.D

Acq: 09 Jun 2025 09:12

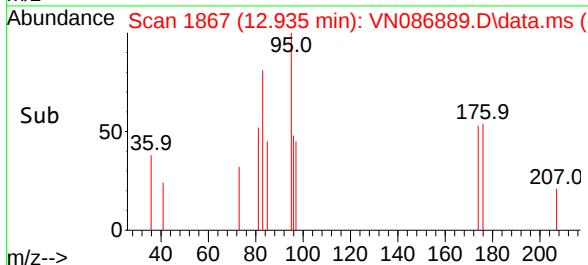
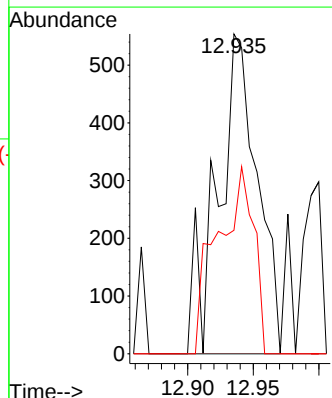
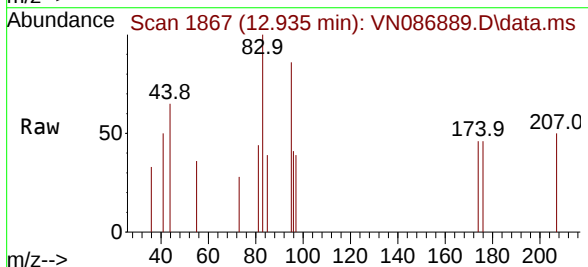
Tgt Ion: 83 Resp: 1162

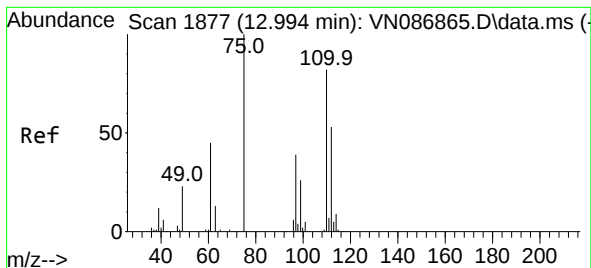
Ion Ratio Lower Upper

83 100

131 0.0 4.9 14.7#

85 54.2 32.0 96.0





#76

1,2,3-Trichloropropane

Concen: 18.926 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN086889.D

Acq: 09 Jun 2025 09:12

Instrument :

MSVOA_N

ClientSampleId :

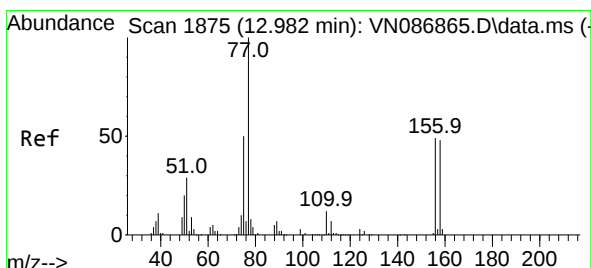
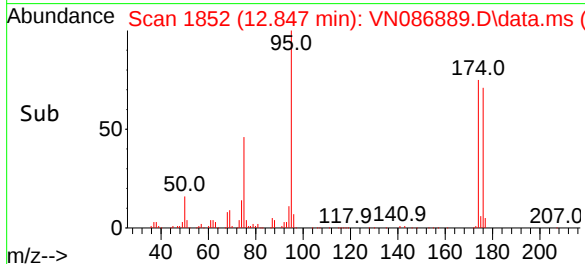
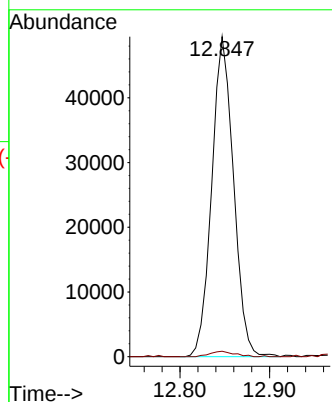
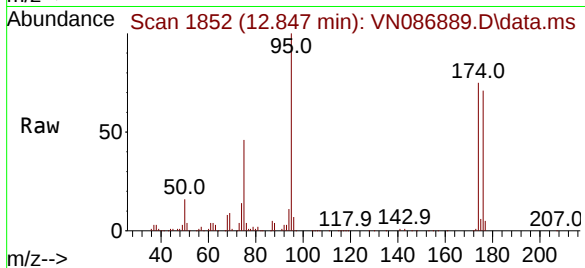
VN0609MBL01

Tgt Ion: 75 Resp: 83466

Ion Ratio Lower Upper

75 100

77 1.9 79.3 237.9#



#77

Bromobenzene

Concen: 0.227 ug/l

RT: 12.976 min Scan# 1874

Delta R.T. -0.006 min

Lab File: VN086889.D

Acq: 09 Jun 2025 09:12

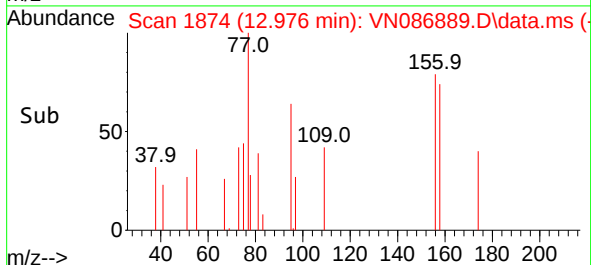
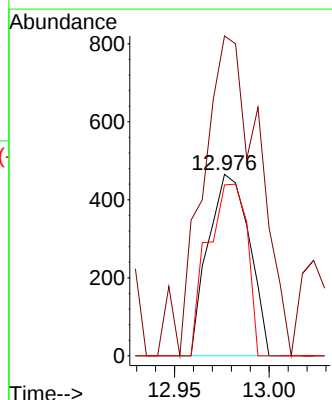
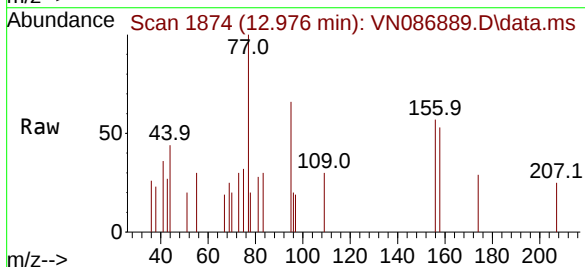
Tgt Ion: 156 Resp: 704

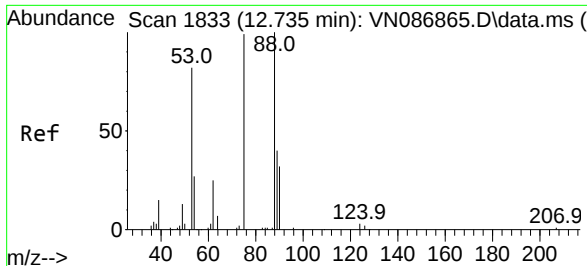
Ion Ratio Lower Upper

156 100

77 243.5 117.7 353.1

158 90.3 48.1 144.4

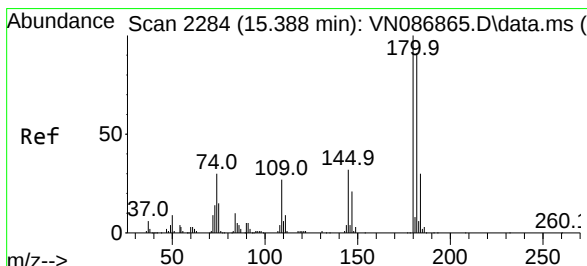
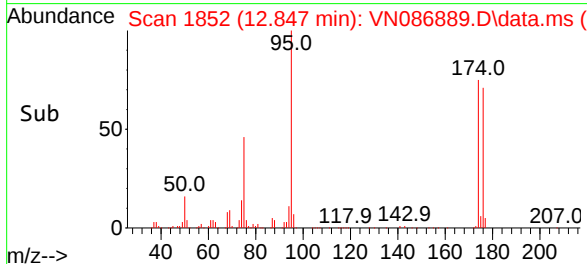
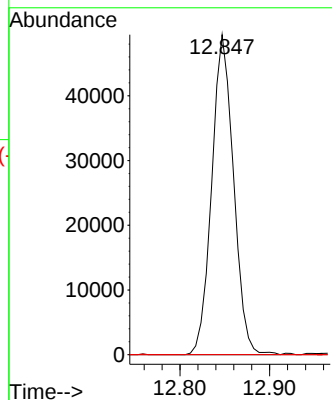
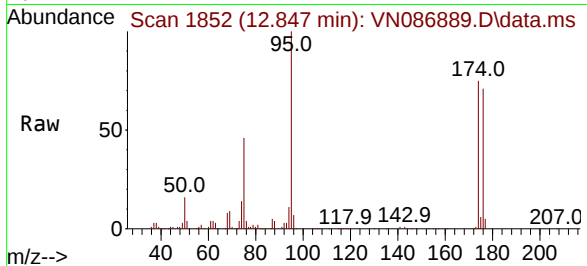




#81
trans-1,4-Dichloro-2-butene
Concen: 43.567 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN086889.D
Acq: 09 Jun 2025 09:12

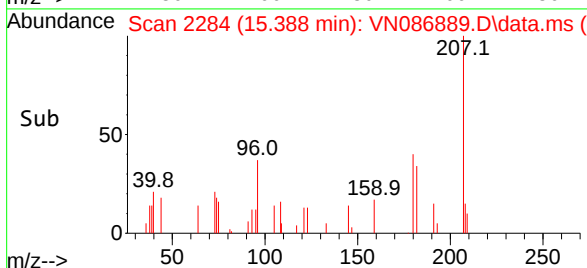
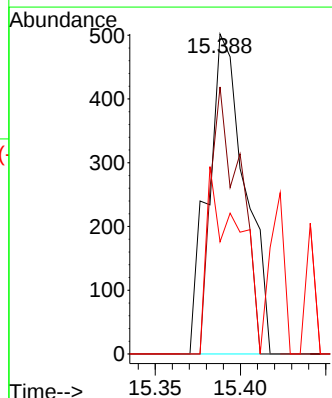
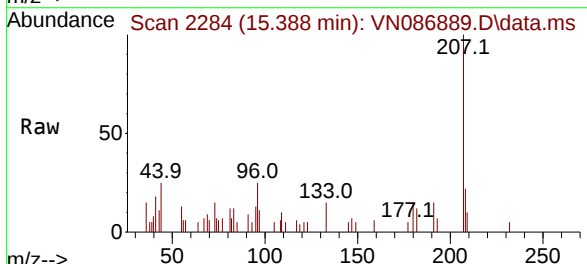
Instrument :
MSVOA_N
ClientSampleId :
VN0609MBL01

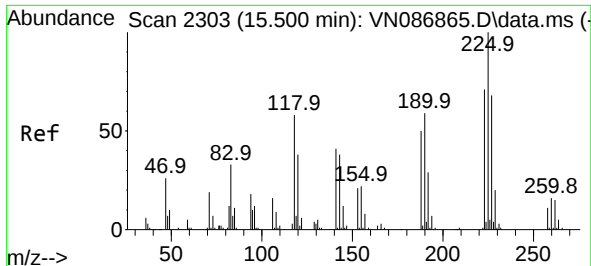
Tgt Ion: 75 Resp: 83466
Ion Ratio Lower Upper
75 100
53 0.0 66.6 99.8#
89 0.0 36.7 55.1#



#93
1,2,4-Trichlorobenzene
Concen: 0.203 ug/l
RT: 15.388 min Scan# 2284
Delta R.T. -0.000 min
Lab File: VN086889.D
Acq: 09 Jun 2025 09:12

Tgt Ion: 180 Resp: 761
Ion Ratio Lower Upper
180 100
182 67.1 46.9 140.7
145 49.9 16.0 47.9#

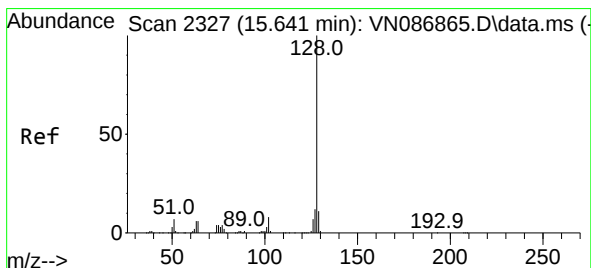
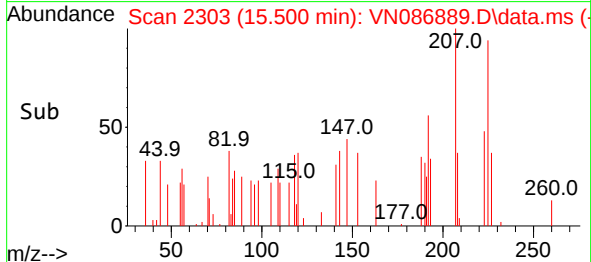
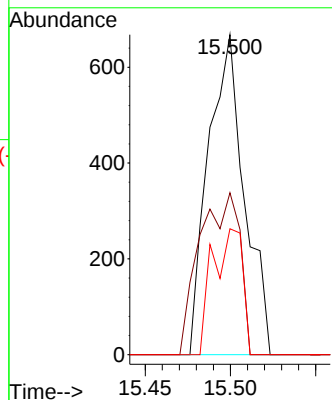
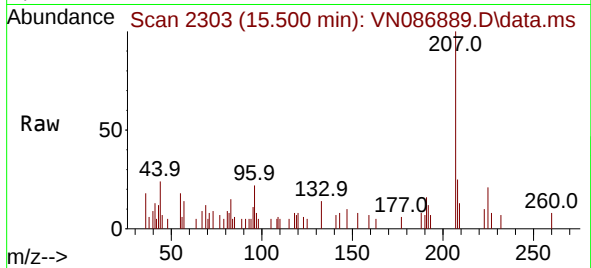




#94
Hexachlorobutadiene
Concen: 0.704 ug/l
RT: 15.500 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN086889.D
Acq: 09 Jun 2025 09:12

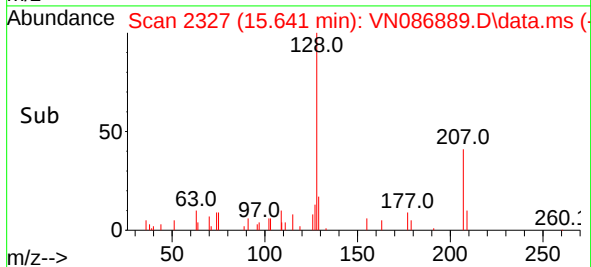
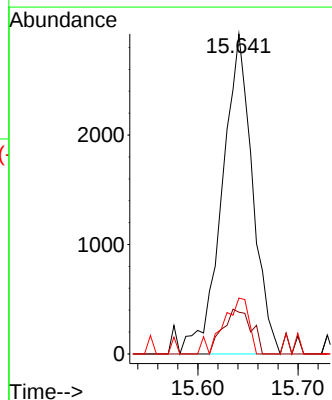
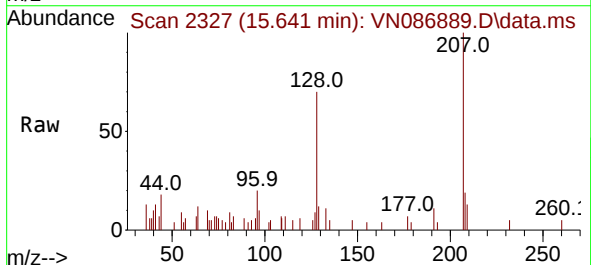
Instrument :
MSVOA_N
ClientSampleId :
VN0609MBL01

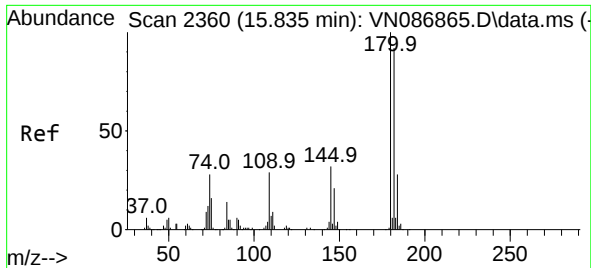
Tgt Ion:	225	Resp:	982
Ion	Ratio	Lower	Upper
225	100		
223	56.3	33.5	100.4
227	32.6	31.1	93.5



#95
Naphthalene
Concen: 0.442 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. -0.000 min
Lab File: VN086889.D
Acq: 09 Jun 2025 09:12

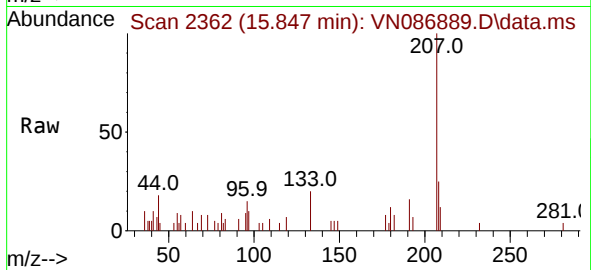
Tgt Ion:	128	Resp:	6149
Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.2	15.2
129	14.6	8.8	13.2





#96
 1,2,3-Trichlorobenzene
 Concen: 0.210 ug/l
 RT: 15.847 min Scan# 21
 Delta R.T. 0.012 min
 Lab File: VN086889.D
 Acq: 09 Jun 2025 09:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0609MBL01



Tgt Ion:	180	Resp:	780
Ion	Ratio	Lower	Upper
180	100		
182	81.0	47.0	141.0
145	21.8	16.6	49.8

