

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062425\
 Data File : VN087154.D
 Acq On : 24 Jun 2025 14:23
 Operator : JC\MD
 Sample : Q2366-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 250618063-05-TRIP-BLANK

Quant Time: Jun 25 04:18:41 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)

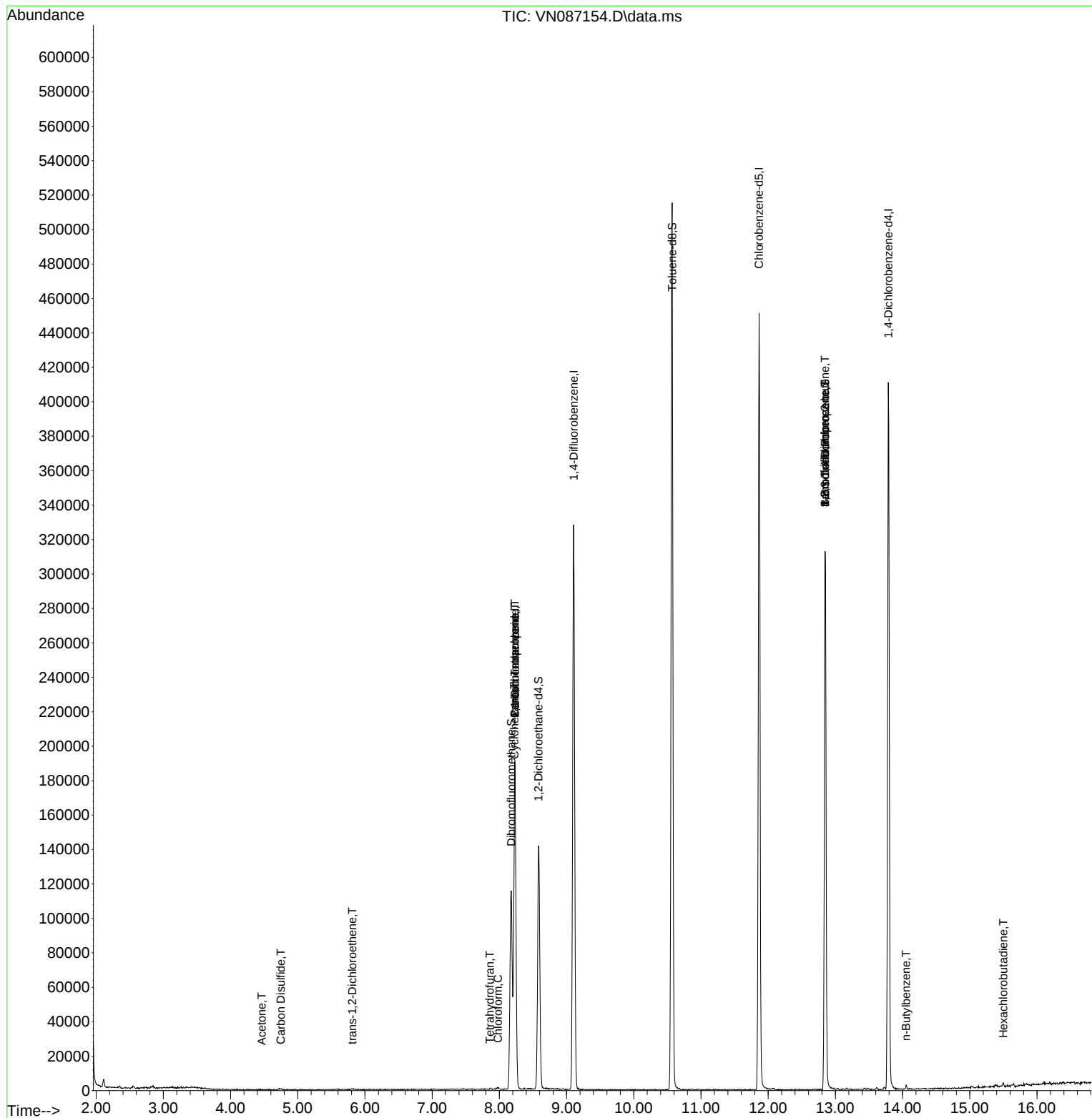
Internal Standards						
1) Pentafluorobenzene	8.229	168	142734	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	293524	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	271099	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	118196	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	115605	60.493	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 120.980%	
35) Dibromofluoromethane	8.177	113	90970	52.297	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 104.600%	
50) Toluene-d8	10.571	98	366978	53.292	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 106.580%	
62) 4-Bromofluorobenzene	12.847	95	126571	49.472	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 98.940%	
Target Compounds						Qvalue
16) Acetone	4.465	43	305	0.301	ug/l #	40
17) Carbon Disulfide	4.747	76	1181	0.269	ug/l #	75
21) trans-1,2-Dichloroethene	5.812	96	490	0.277	ug/l #	49
29) Tetrahydrofuran	7.859	42	295	0.275	ug/l #	31
30) Chloroform	7.977	83	722	0.226	ug/l	84
31) Cyclohexane	8.224	56	2667	0.860	ug/l #	1
36) 1,1-Dichloropropene	8.229	75	11615	4.481	ug/l #	47
38) Carbon Tetrachloride	8.229	117	14155	5.562	ug/l #	18
71) Bromoform	12.847	173	499	0.350	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	62003	22.069	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	62003	50.801	ug/l #	16
89) n-Butylbenzene	14.053	91	1526	0.202	ug/l #	78
94) Hexachlorobutadiene	15.500	225	640	0.721	ug/l #	53

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

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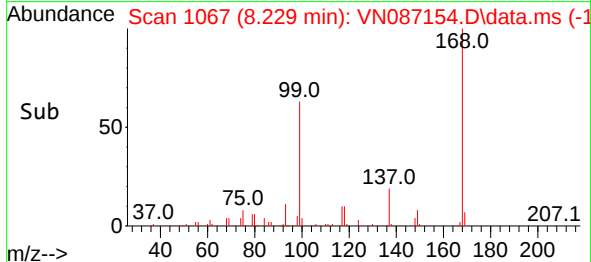
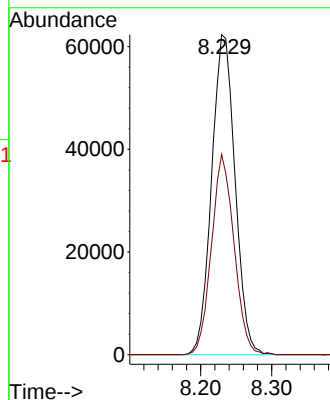
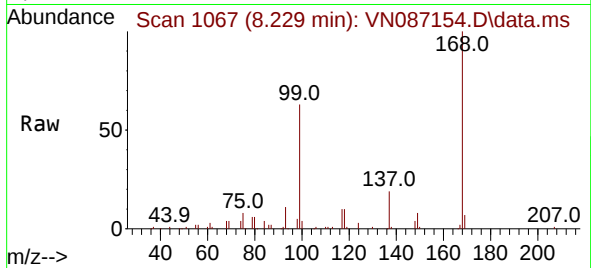




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.007 min
Lab File: VN087154.D
Acq: 24 Jun 2025 14:23

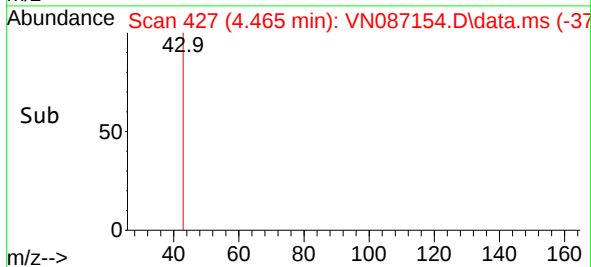
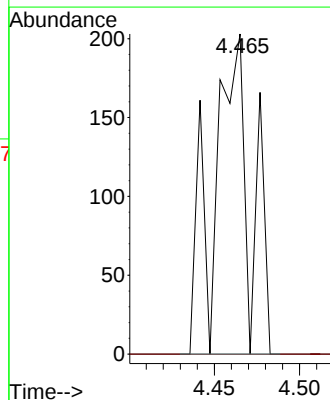
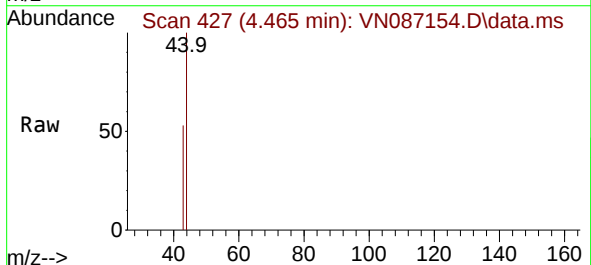
Instrument :
MSVOA_N
ClientSampleId :
250618063-05-TRIP-BLANK

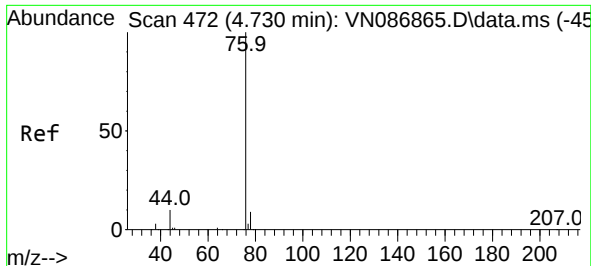
Tgt Ion:168 Resp: 142734
Ion Ratio Lower Upper
168 100
99 62.6 49.1 73.7



#16
Acetone
Concen: 0.301 ug/l
RT: 4.465 min Scan# 427
Delta R.T. 0.017 min
Lab File: VN087154.D
Acq: 24 Jun 2025 14:23

Tgt Ion: 43 Resp: 305
Ion Ratio Lower Upper
43 100
58 0.0 28.0 42.0#





#17

Carbon Disulfide

Concen: 0.269 ug/l

RT: 4.747 min Scan# 41

Delta R.T. 0.017 min

Lab File: VN087154.D

Acq: 24 Jun 2025 14:23

Instrument :

MSVOA_N

ClientSampleId :

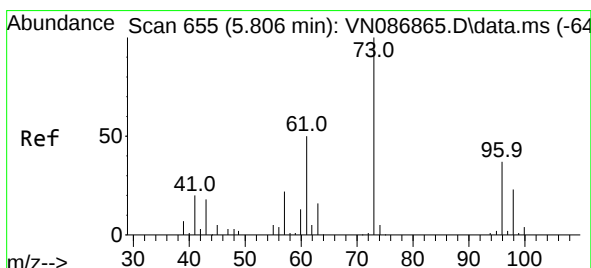
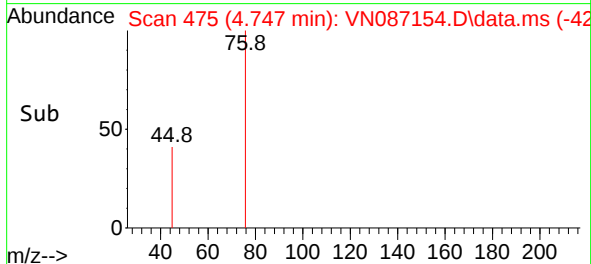
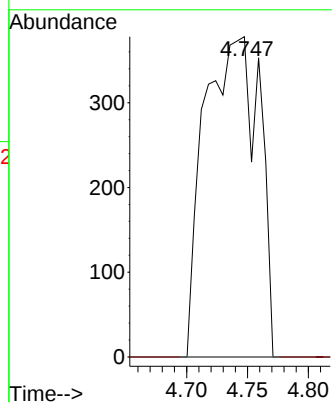
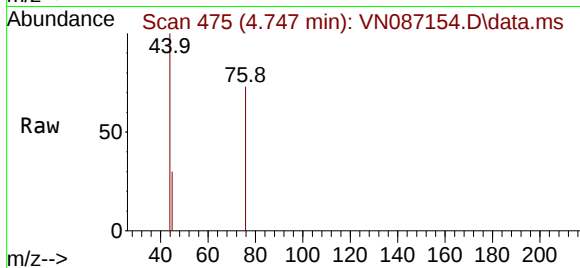
250618063-05-TRIP-BLANK

Tgt Ion: 76 Resp: 1181

Ion Ratio Lower Upper

76 100

78 0.0 7.3 10.9#



#21

trans-1,2-Dichloroethene

Concen: 0.277 ug/l

RT: 5.812 min Scan# 656

Delta R.T. 0.006 min

Lab File: VN087154.D

Acq: 24 Jun 2025 14:23

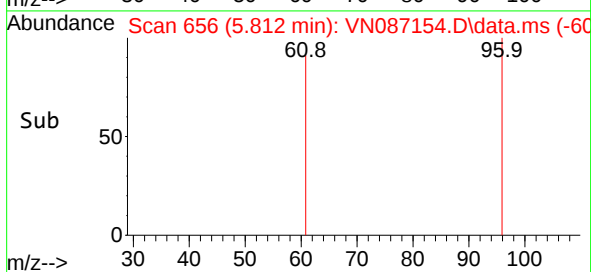
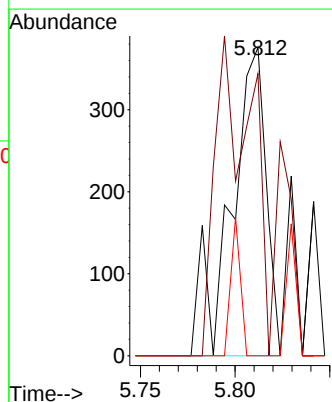
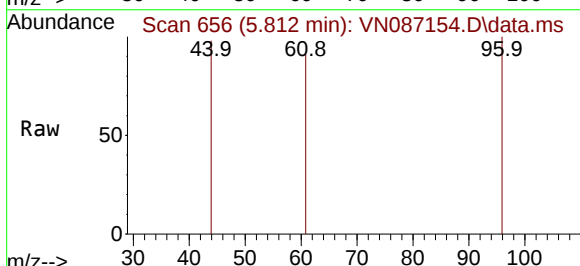
Tgt Ion: 96 Resp: 490

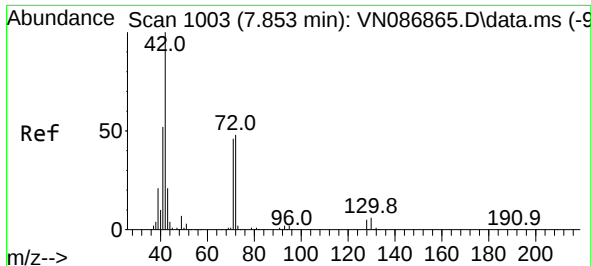
Ion Ratio Lower Upper

96 100

61 91.5 109.2 163.8#

98 0.0 49.8 74.8#





#29

Tetrahydrofuran

Concen: 0.275 ug/l

RT: 7.859 min Scan# 1004

Delta R.T. 0.006 min

Lab File: VN087154.D

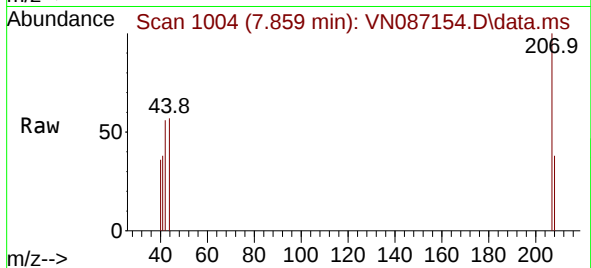
Acq: 24 Jun 2025 14:23

Instrument :

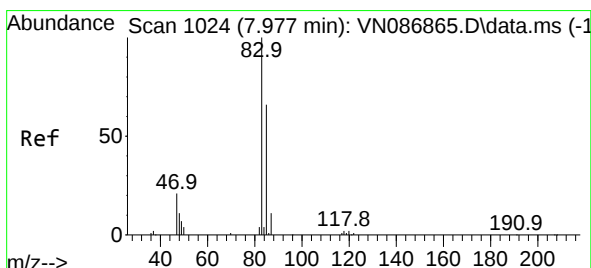
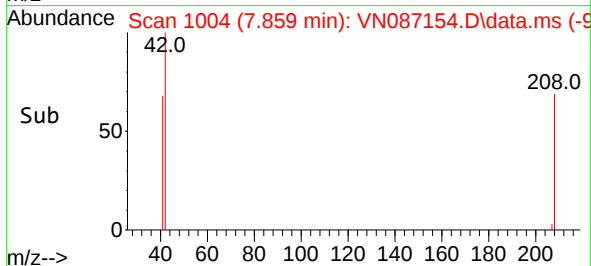
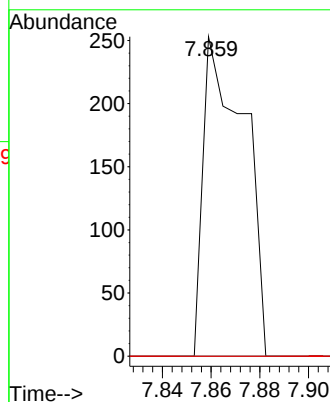
MSVOA_N

ClientSampleId :

250618063-05-TRIP-BLANK



Tgt Ion:	42	Resp:	295
Ion	Ratio	Lower	Upper
42	100		
72	0.0	37.8	56.6#
71	0.0	35.6	53.4#



#30

Chloroform

Concen: 0.226 ug/l

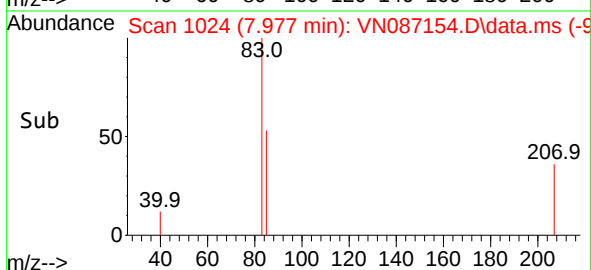
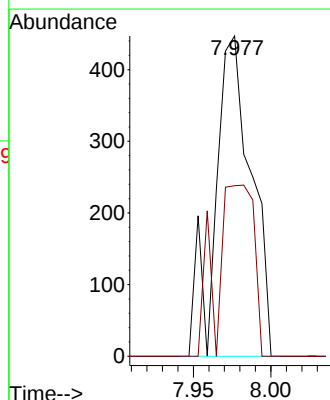
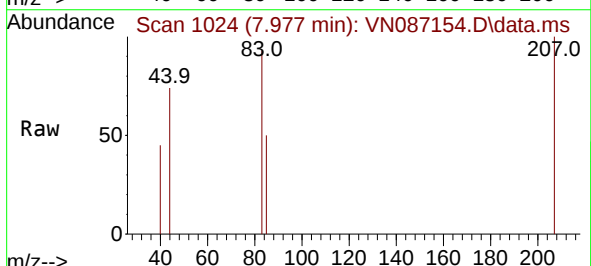
RT: 7.977 min Scan# 1024

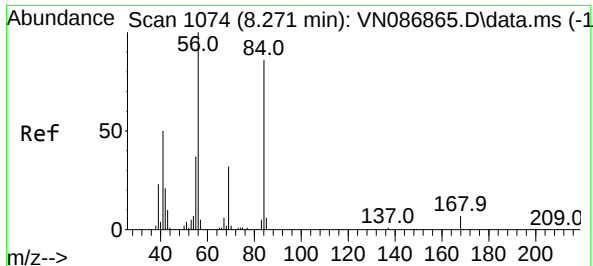
Delta R.T. -0.000 min

Lab File: VN087154.D

Acq: 24 Jun 2025 14:23

Tgt Ion:	83	Resp:	722
Ion	Ratio	Lower	Upper
83	100		
85	53.2	52.9	79.3

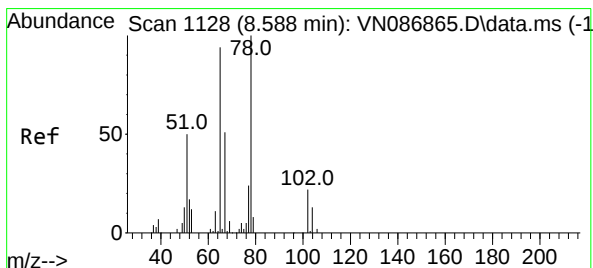
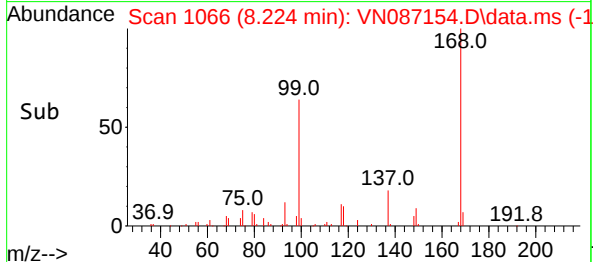
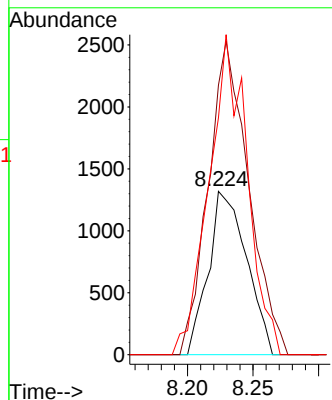
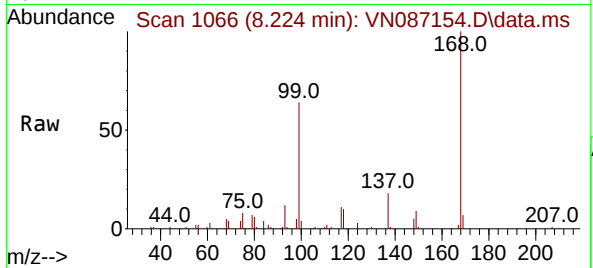




#31
Cyclohexane
Concen: 0.860 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.047 min
Lab File: VN087154.D
Acq: 24 Jun 2025 14:23

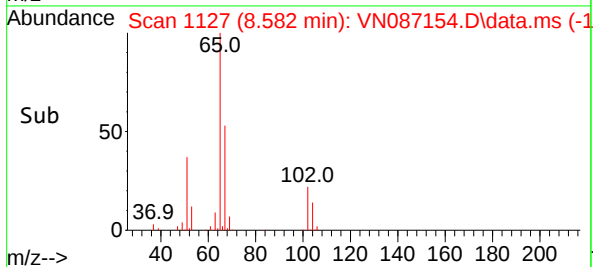
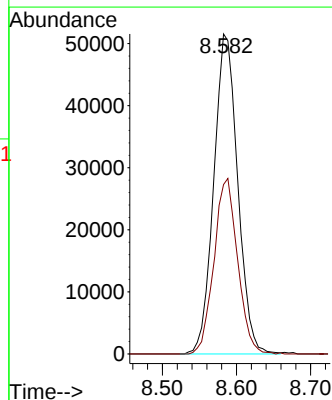
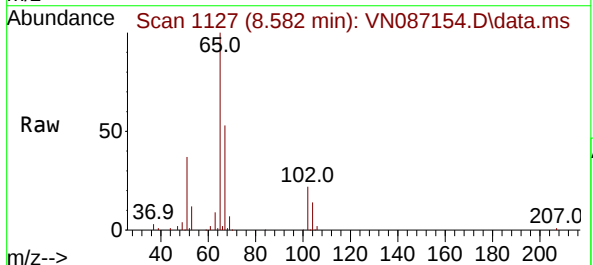
Instrument :
MSVOA_N
ClientSampleId :
250618063-05-TRIP-BLANK

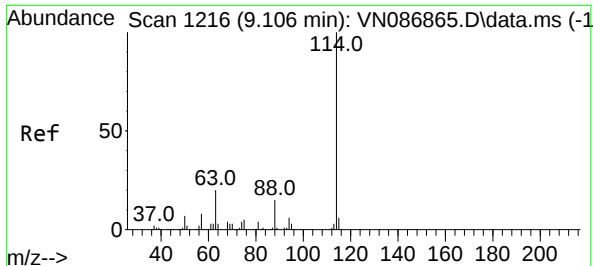
Tgt Ion: 56 Resp: 2667
Ion Ratio Lower Upper
56 100
69 164.9 25.4 38.0#
84 144.9 68.8 103.2#



#33
1,2-Dichloroethane-d4
Concen: 60.493 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. -0.006 min
Lab File: VN087154.D
Acq: 24 Jun 2025 14:23

Tgt Ion: 65 Resp: 115605
Ion Ratio Lower Upper
65 100
67 54.2 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: VN087154.D

Acq: 24 Jun 2025 14:23

Instrument :

MSVOA_N

ClientSampleId :

250618063-05-TRIP-BLANK

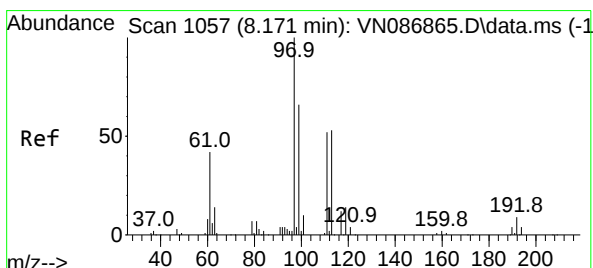
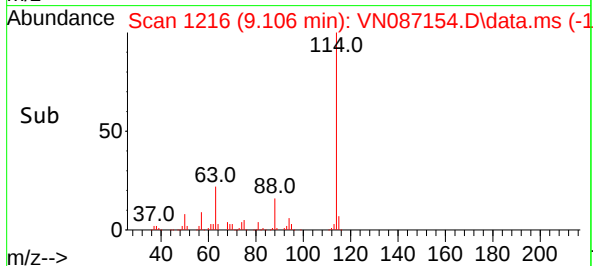
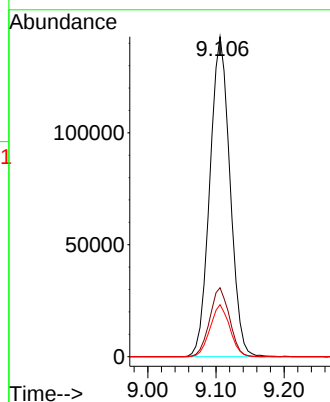
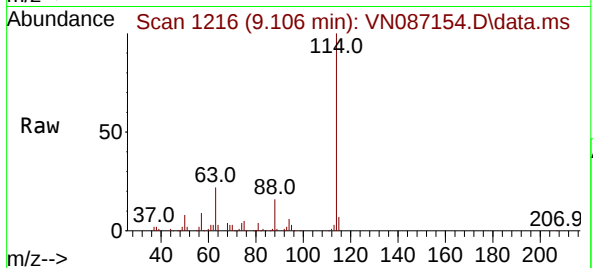
Tgt Ion:114 Resp: 293524

Ion Ratio Lower Upper

114 100

63 21.5 0.0 39.6

88 16.2 0.0 30.2



#35

Dibromofluoromethane

Concen: 52.297 ug/l

RT: 8.177 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VN087154.D

Acq: 24 Jun 2025 14:23

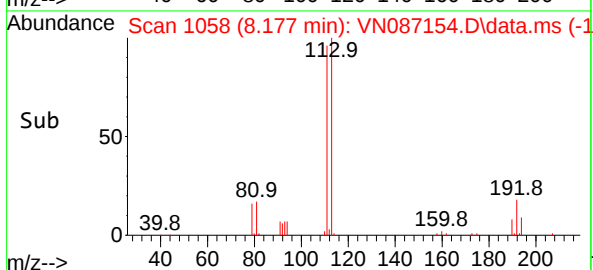
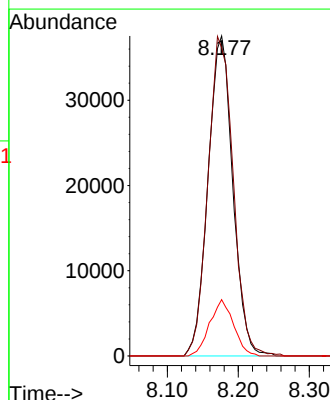
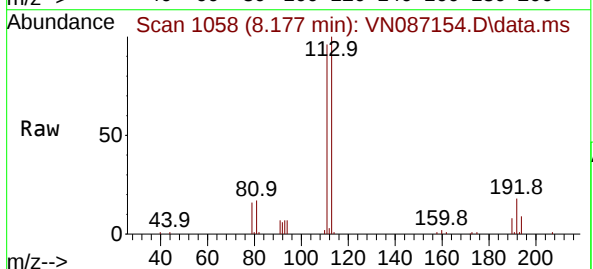
Tgt Ion:113 Resp: 90970

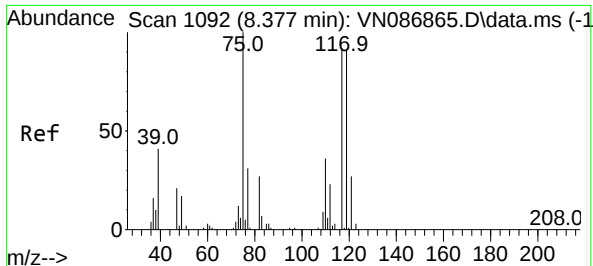
Ion Ratio Lower Upper

113 100

111 101.9 84.2 126.2

192 17.0 14.2 21.4





#36

1,1-Dichloropropene

Concen: 4.481 ug/l

RT: 8.229 min Scan# 1067

Delta R.T. -0.147 min

Lab File: VN087154.D

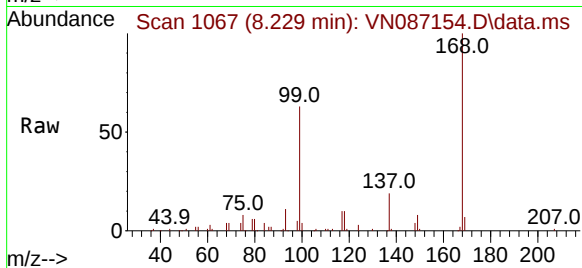
Acq: 24 Jun 2025 14:23

Instrument :

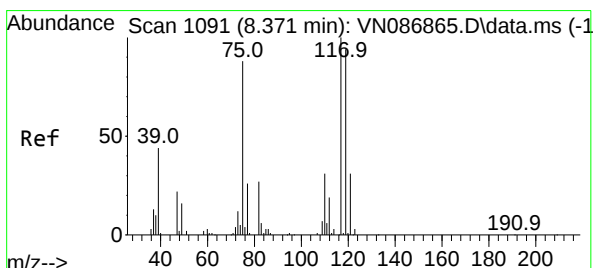
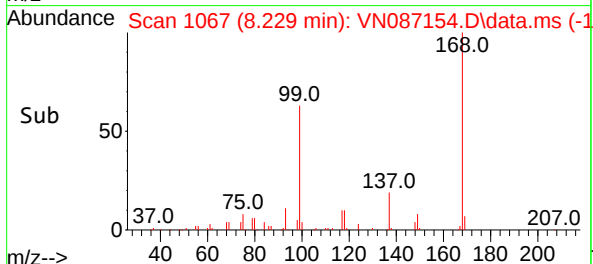
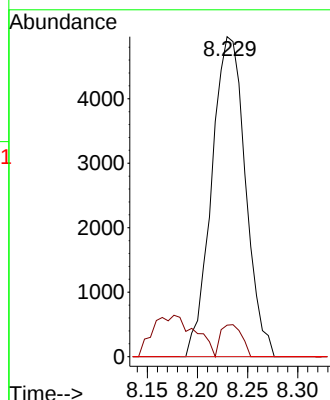
MSVOA_N

ClientSampleId :

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Tgt Ion:	75	Resp:	11615
Ion Ratio	100	Lower	Upper
110	6.2	17.6	52.9#
77	0.0	25.3	37.9#



#38

Carbon Tetrachloride

Concen: 5.562 ug/l

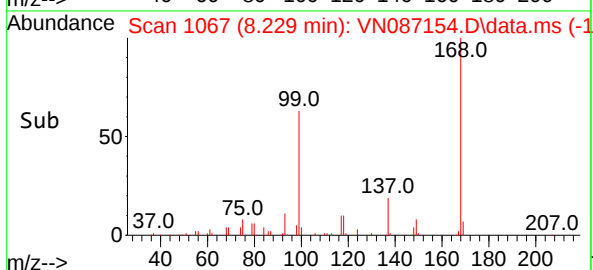
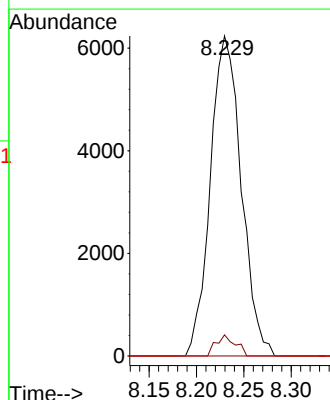
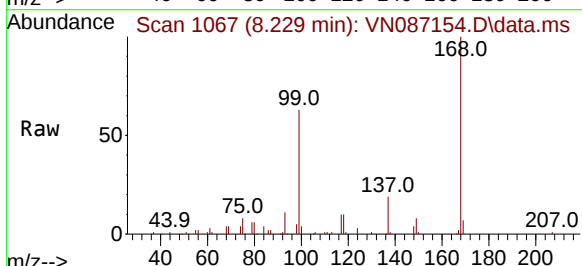
RT: 8.229 min Scan# 1067

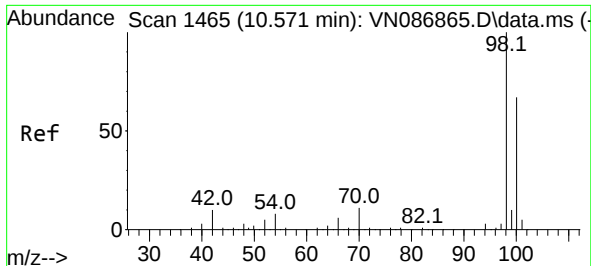
Delta R.T. -0.141 min

Lab File: VN087154.D

Acq: 24 Jun 2025 14:23

Tgt Ion:	117	Resp:	14155
Ion Ratio	100	Lower	Upper
119	6.6	75.0	112.6#
121	0.0	24.9	37.3#

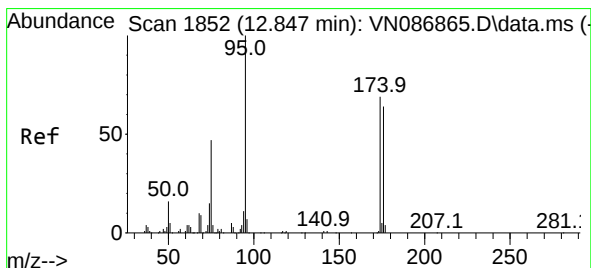
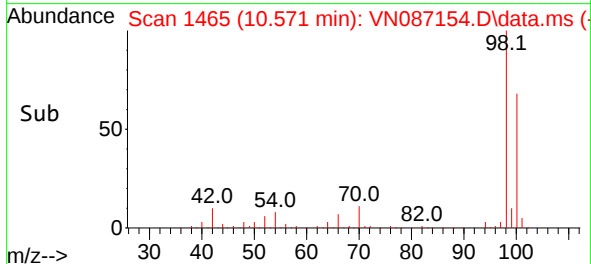
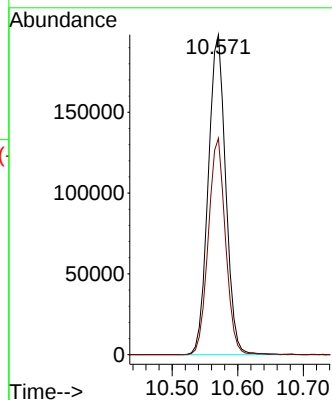
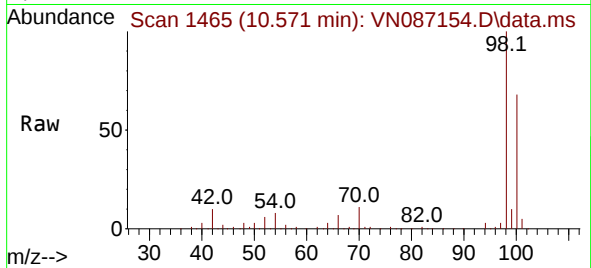




#50
Toluene-d8
Concen: 53.292 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN087154.D
Acq: 24 Jun 2025 14:23

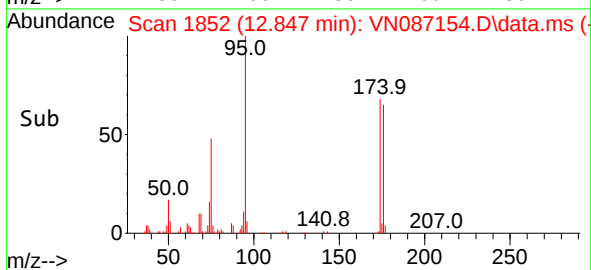
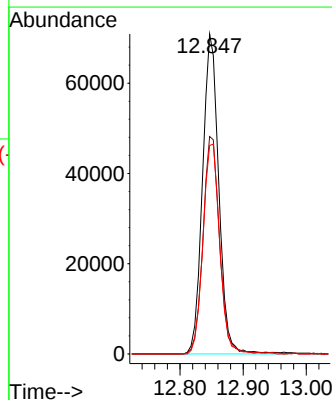
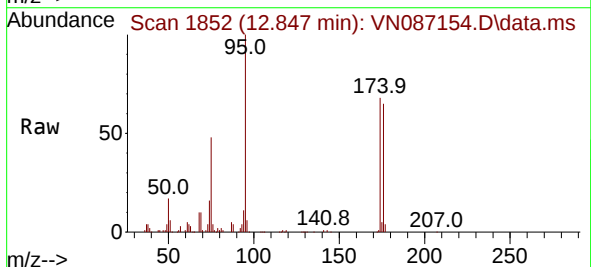
Instrument :
MSVOA_N
ClientSampleId :
250618063-05-TRIP-BLANK

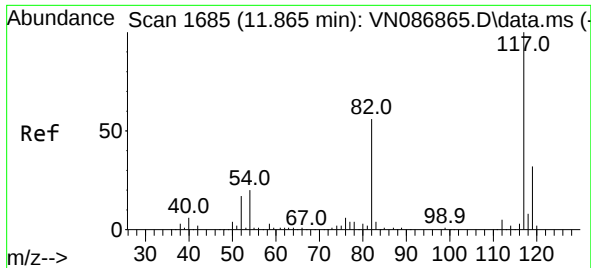
Tgt Ion: 98 Resp: 366978
Ion Ratio Lower Upper
98 100
100 66.5 53.4 80.0



#62
4-Bromofluorobenzene
Concen: 49.472 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN087154.D
Acq: 24 Jun 2025 14:23

Tgt Ion: 95 Resp: 126571
Ion Ratio Lower Upper
95 100
174 68.9 0.0 141.8
176 67.7 0.0 132.6

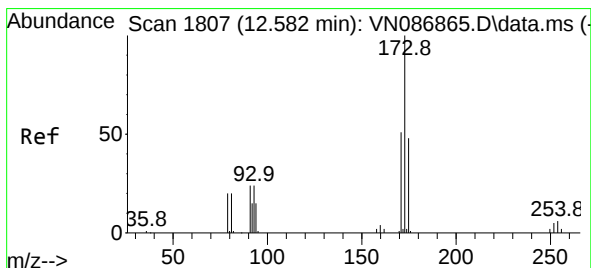
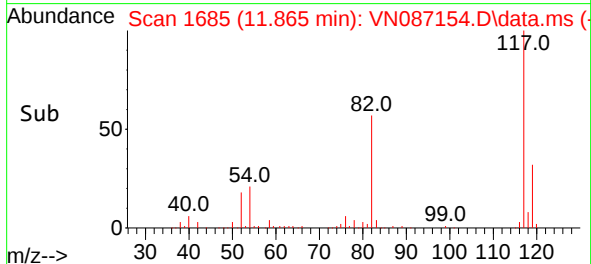
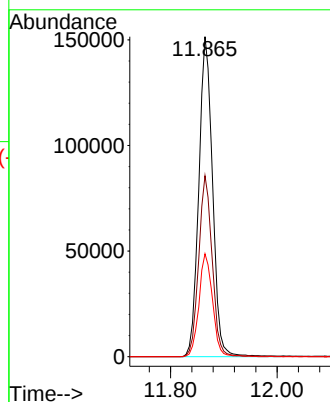
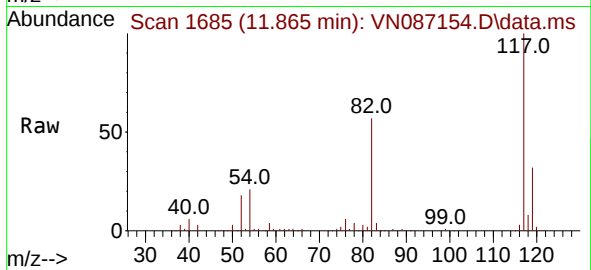




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN087154.D
Acq: 24 Jun 2025 14:23

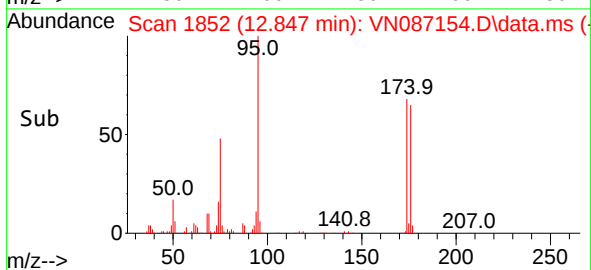
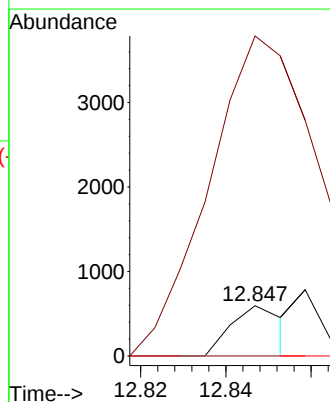
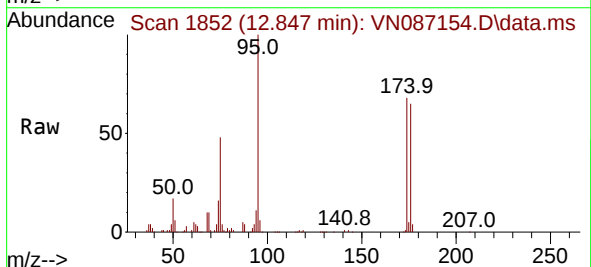
Instrument :
MSVOA_N
ClientSampleId :
250618063-05-TRIP-BLANK

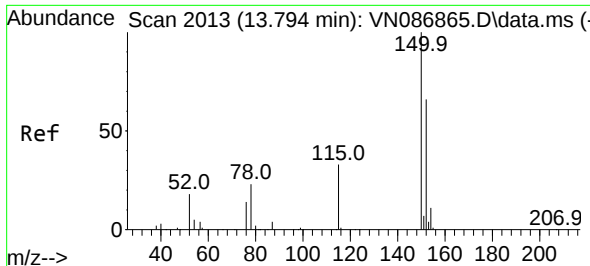
Tgt Ion:117 Resp: 271099
Ion Ratio Lower Upper
117 100
82 56.5 44.6 67.0
119 32.1 25.5 38.3



#71
Bromoform
Concen: 0.350 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.264 min
Lab File: VN087154.D
Acq: 24 Jun 2025 14:23

Tgt Ion:173 Resp: 499
Ion Ratio Lower Upper
173 100
175 1155.5 24.1 72.4#
254 0.0 0.0 0.0

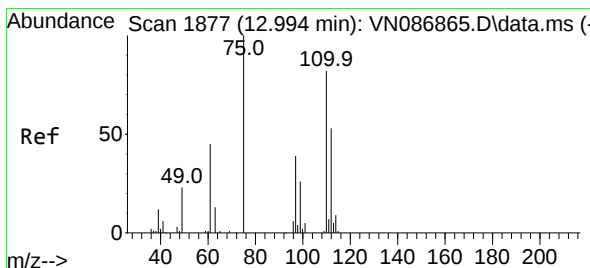
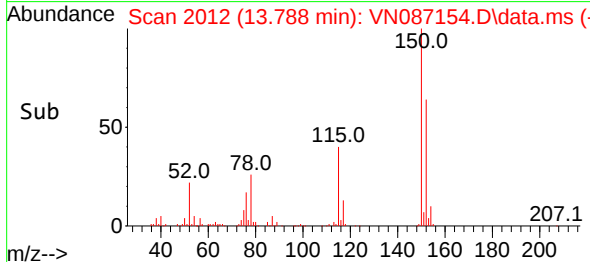
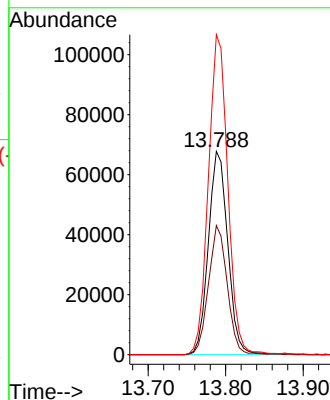
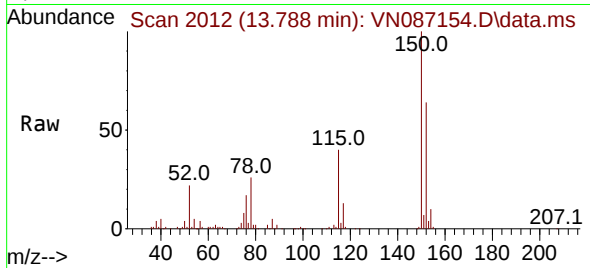




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 20
 Delta R.T. -0.006 min
 Lab File: VN087154.D
 Acq: 24 Jun 2025 14:23

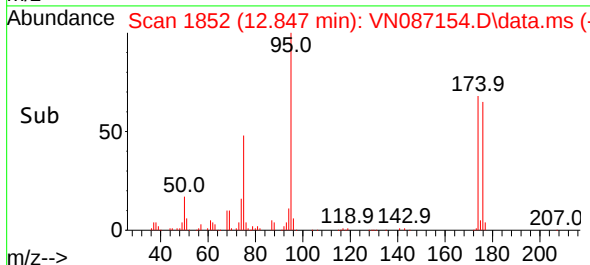
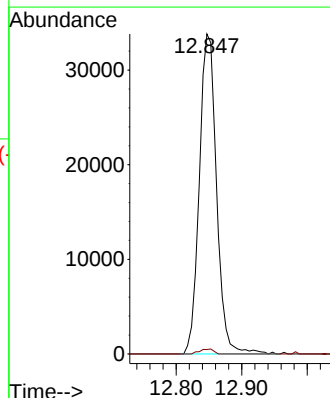
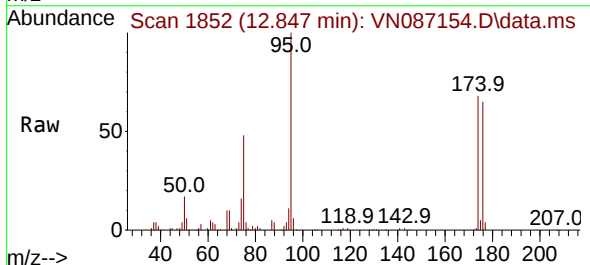
Instrument :
 MSVOA_N
 ClientSampleId :
 250618063-05-TRIP-BLANK

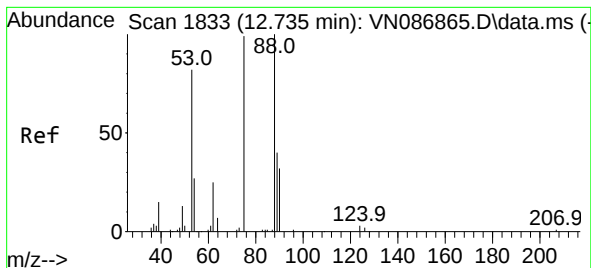
Tgt Ion:152 Resp: 118196
 Ion Ratio Lower Upper
 152 100
 115 61.4 30.1 90.5
 150 157.0 0.0 345.0



#76
 1,2,3-Trichloropropane
 Concen: 22.069 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.147 min
 Lab File: VN087154.D
 Acq: 24 Jun 2025 14:23

Tgt Ion: 75 Resp: 62003
 Ion Ratio Lower Upper
 75 100
 77 1.2 79.3 237.9#

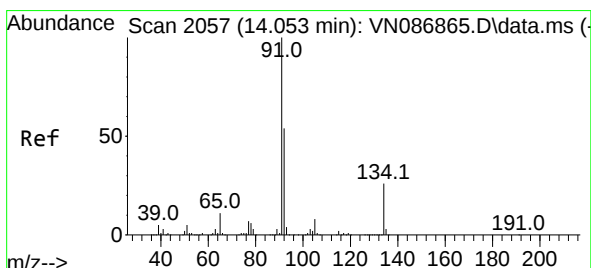
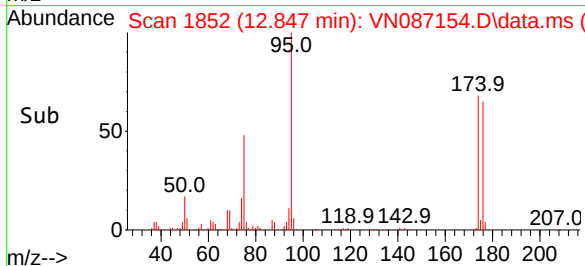
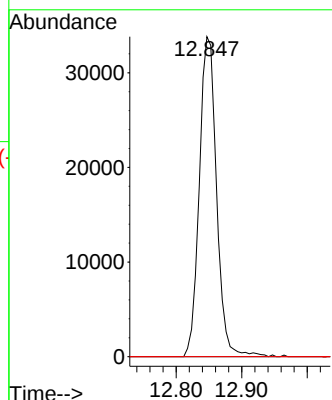
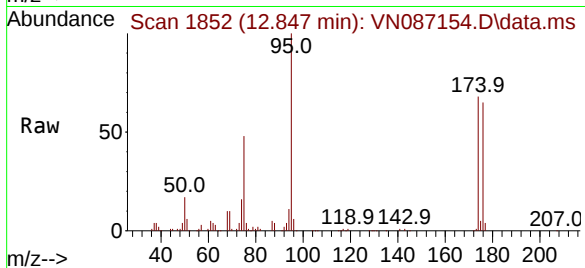




#81
trans-1,4-Dichloro-2-butene
Concen: 50.801 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN087154.D
Acq: 24 Jun 2025 14:23

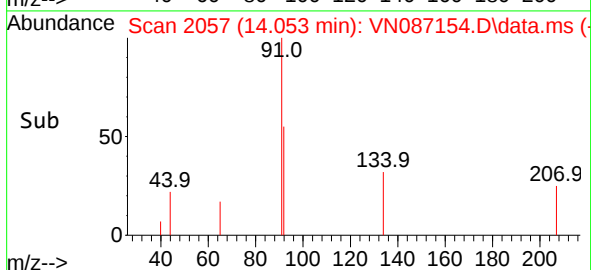
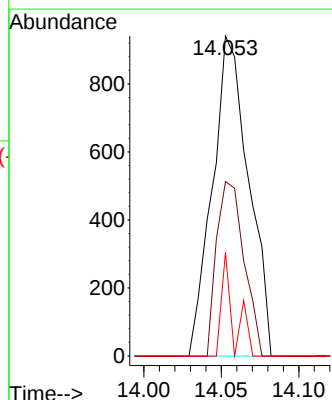
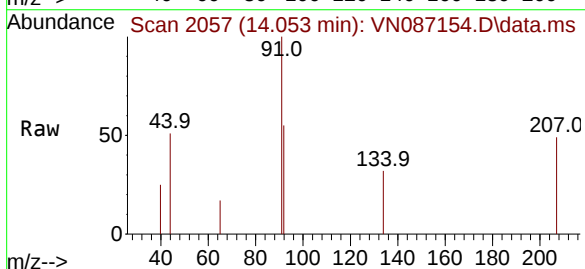
Instrument :
MSVOA_N
ClientSampleId :
250618063-05-TRIP-BLANK

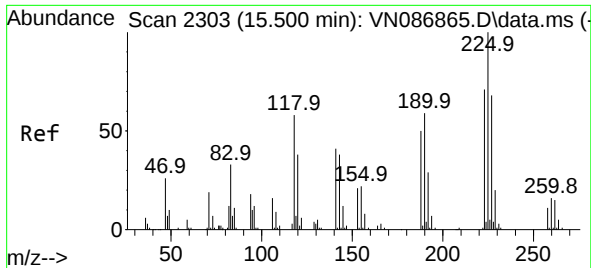
Tgt Ion: 75 Resp: 62003
Ion Ratio Lower Upper
75 100
53 0.0 66.6 99.8#
89 0.0 36.7 55.1#



#89
n-Butylbenzene
Concen: 0.202 ug/l
RT: 14.053 min Scan# 2057
Delta R.T. -0.000 min
Lab File: VN087154.D
Acq: 24 Jun 2025 14:23

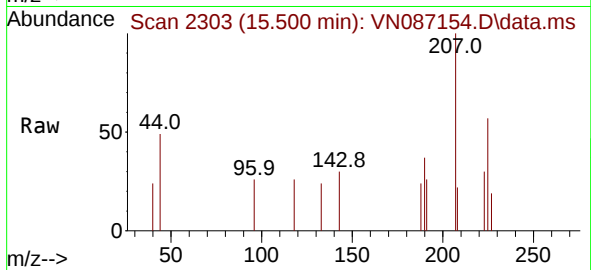
Tgt Ion: 91 Resp: 1526
Ion Ratio Lower Upper
91 100
92 41.4 27.5 82.4
134 10.8 13.0 39.0#





#94
 Hexachlorobutadiene
 Concen: 0.721 ug/l
 RT: 15.500 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VN087154.D
 Acq: 24 Jun 2025 14:23

Instrument :
 MSVOA_N
 ClientSampleId :
 250618063-05-TRIP-BLANK



Tgt Ion:	225	Resp:	640
Ion	Ratio	Lower	Upper
225	100		
223	15.3	33.5	100.4#
227	40.3	31.1	93.5

