

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061625\
 Data File : VN087038.D
 Acq On : 16 Jun 2025 17:41
 Operator : JC\MD
 Sample : Q2299-20
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RW11-MW01S-20250611

Quant Time: Jun 17 07:27:08 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)

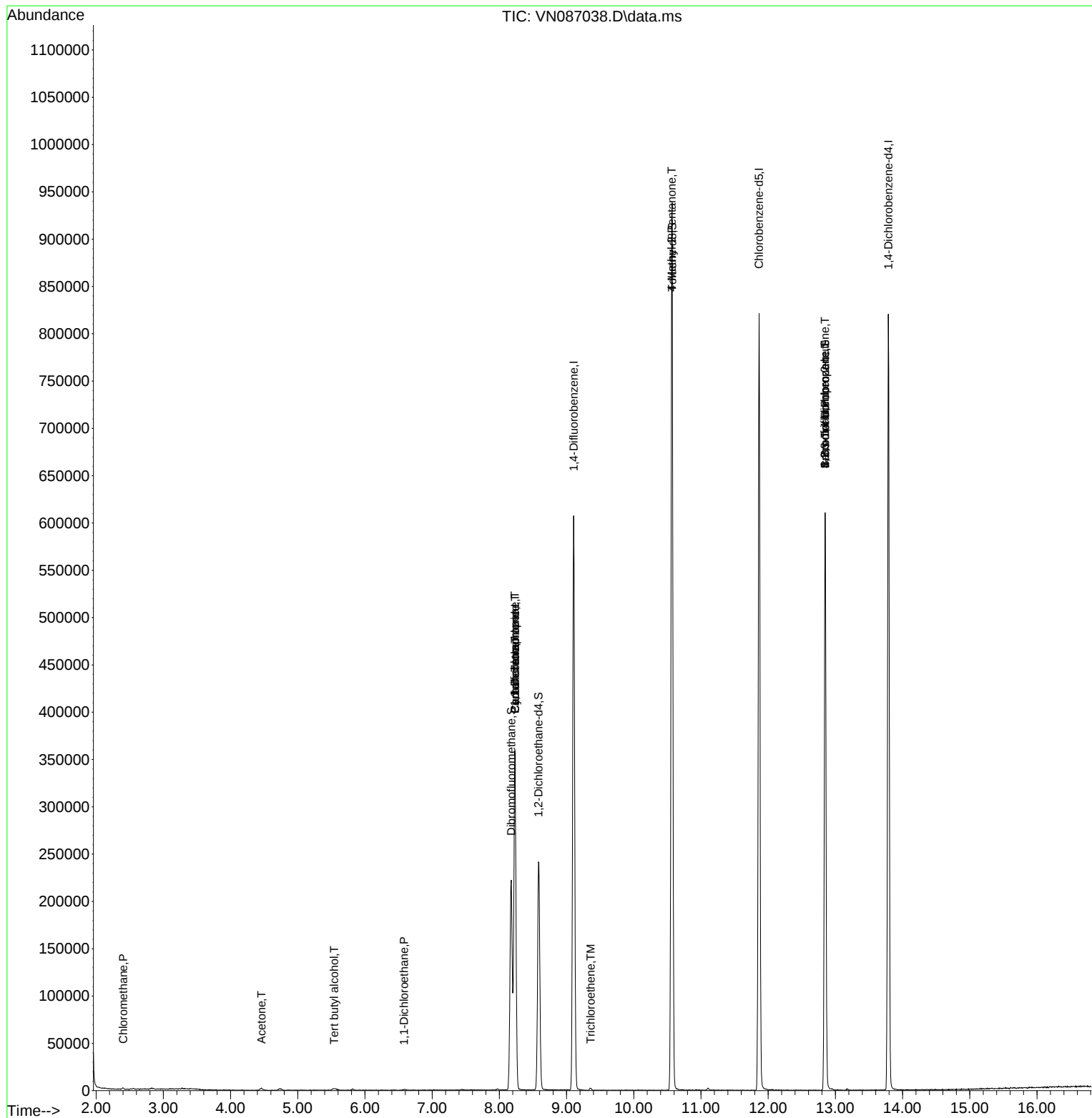
Internal Standards						
1) Pentafluorobenzene	8.235	168	278071	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	562910	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	508781	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	240142	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	200357	53.815	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery	= 107.640%		
35) Dibromofluoromethane	8.177	113	172687	51.766	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery	= 103.540%		
50) Toluene-d8	10.571	98	695609	52.673	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery	= 105.340%		
62) 4-Bromofluorobenzene	12.847	95	244670	49.867	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery	= 99.740%		
Target Compounds						Qvalue
3) Chloromethane	2.401	50	1540	0.430	ug/l	94
11) Tert butyl alcohol	5.542	59	4573	4.527	ug/l #	79
16) Acetone	4.459	43	4347	2.202	ug/l	99
24) 1,1-Dichloroethane	6.583	63	1569	0.252	ug/l #	81
31) Cyclohexane	8.235	56	4823	0.799	ug/l #	1
36) 1,1-Dichloropropene	8.230	75	21141	4.253	ug/l #	48
38) Carbon Tetrachloride	8.235	117	27323	5.599	ug/l #	17
44) Trichloroethene	9.359	130	950	0.246	ug/l	67
51) 4-Methyl-2-Pentanone	10.565	43	2306	0.377	ug/l #	1
71) Bromoform	12.847	173	1182	0.442	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	112912	19.780	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	112912	45.534	ug/l #	16

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

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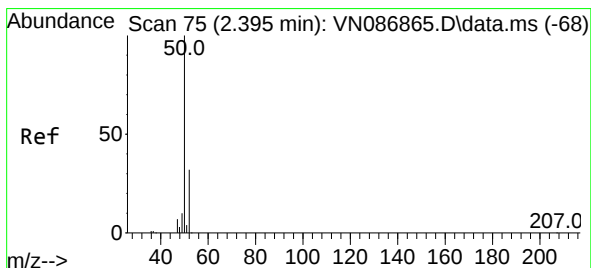
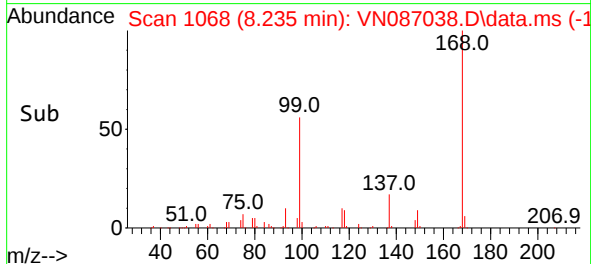
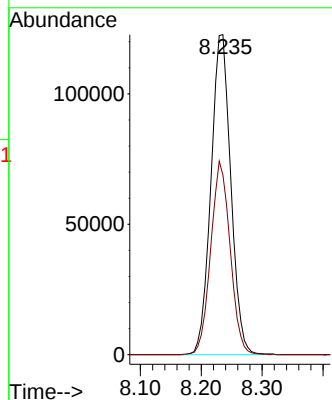
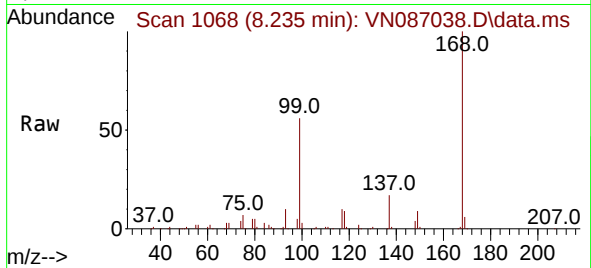




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.001 min
Lab File: VN087038.D
Acq: 16 Jun 2025 17:41

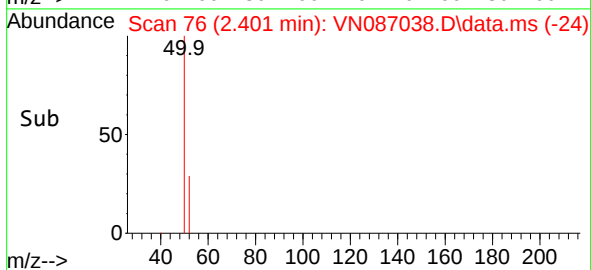
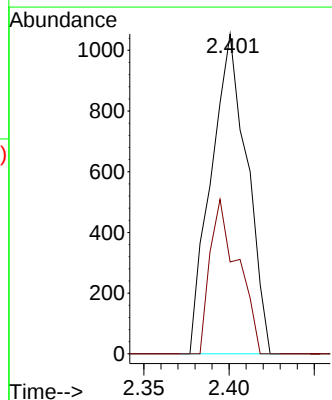
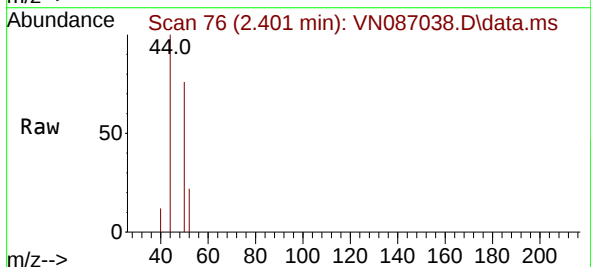
Instrument :
MSVOA_N
ClientSampleId :
RW11-MW01S-20250611

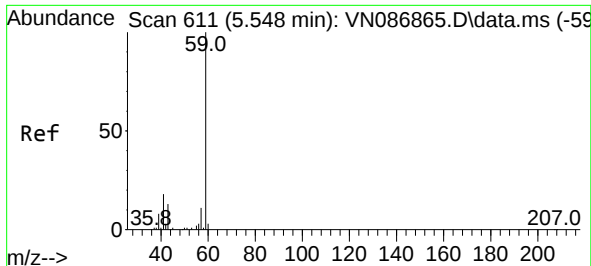
Tgt Ion:168 Resp: 278071
Ion Ratio Lower Upper
168 100
99 56.2 49.1 73.7



#3
Chloromethane
Concen: 0.430 ug/l
RT: 2.401 min Scan# 76
Delta R.T. 0.006 min
Lab File: VN087038.D
Acq: 16 Jun 2025 17:41

Tgt Ion: 50 Resp: 1540
Ion Ratio Lower Upper
50 100
52 28.7 25.7 38.5

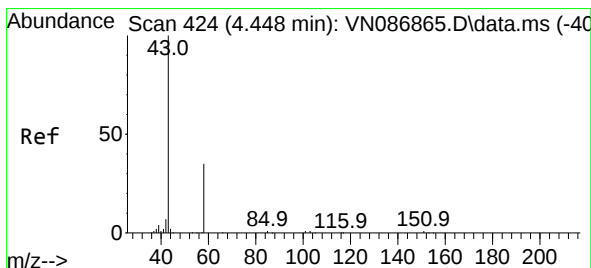
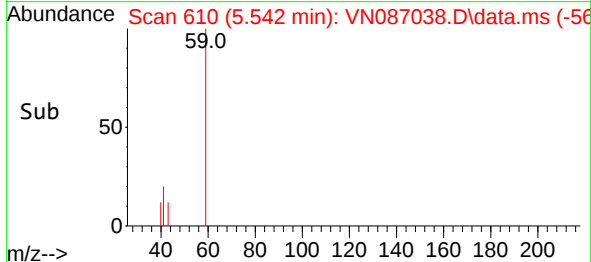
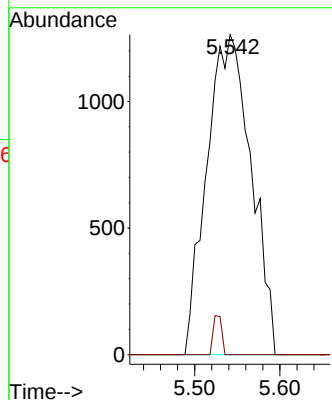
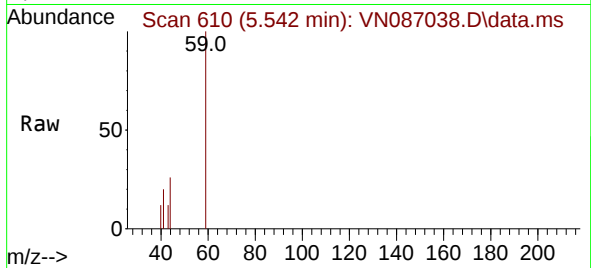




#11
Tert butyl alcohol
Concen: 4.527 ug/l
RT: 5.542 min Scan# 611
Delta R.T. -0.006 min
Lab File: VN087038.D
Acq: 16 Jun 2025 17:41

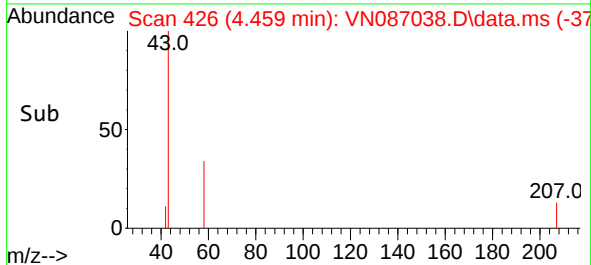
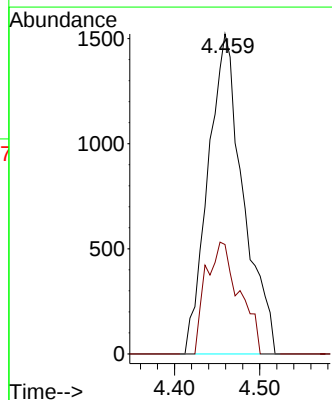
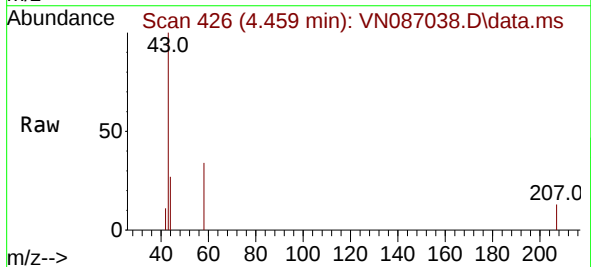
Instrument :
MSVOA_N
ClientSampleId :
RW11-MW01S-20250611

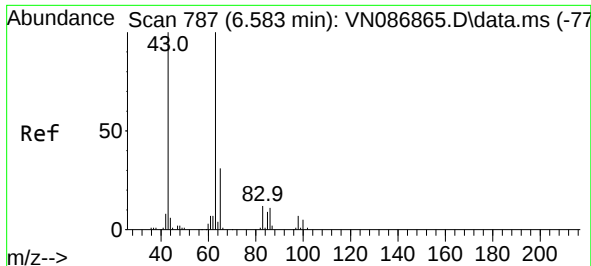
Tgt Ion: 59 Resp: 4573
Ion Ratio Lower Upper
59 100
57 2.4 8.1 12.1#



#16
Acetone
Concen: 2.202 ug/l
RT: 4.459 min Scan# 426
Delta R.T. 0.012 min
Lab File: VN087038.D
Acq: 16 Jun 2025 17:41

Tgt Ion: 43 Resp: 4347
Ion Ratio Lower Upper
43 100
58 34.2 28.0 42.0

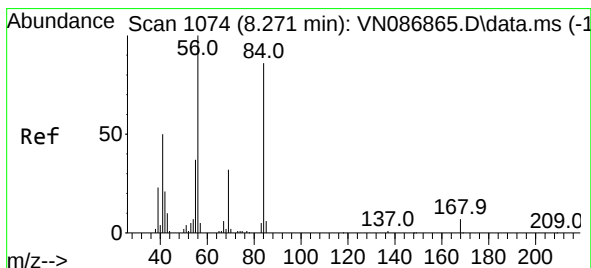
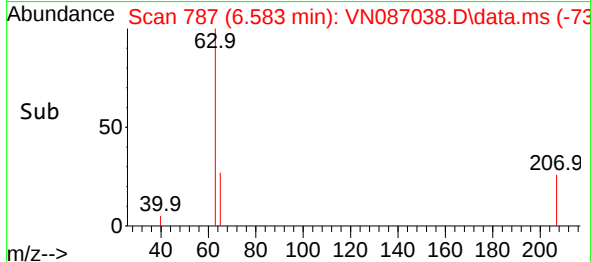
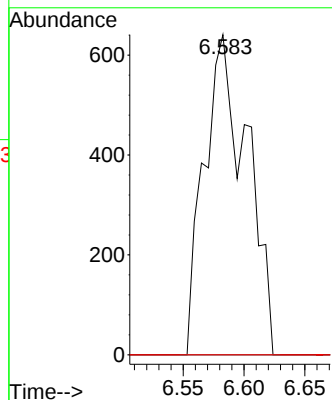
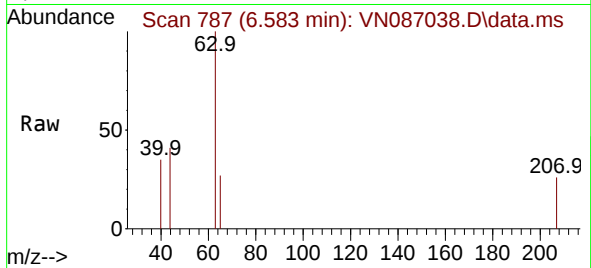




#24
 1,1-Dichloroethane
 Concen: 0.252 ug/l
 RT: 6.583 min Scan# 71
 Delta R.T. -0.000 min
 Lab File: VN087038.D
 Acq: 16 Jun 2025 17:41

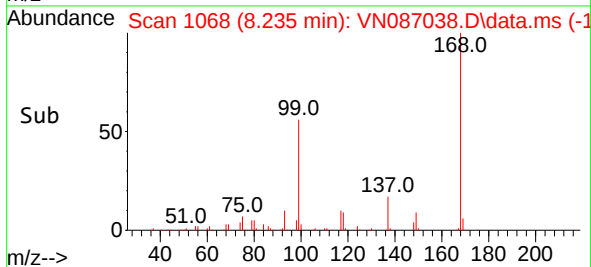
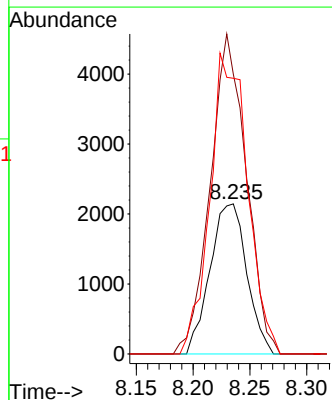
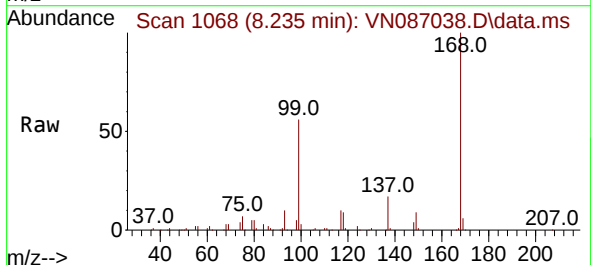
Instrument :
 MSVOA_N
 ClientSampleId :
 RW11-MW01S-20250611

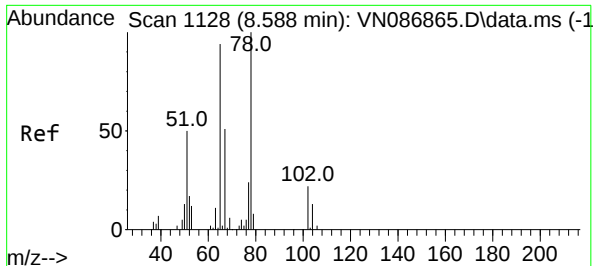
Tgt Ion: 63 Resp: 1569
 Ion Ratio Lower Upper
 63 100
 98 0.0 3.6 10.8#
 100 0.0 2.6 7.8#



#31
 Cyclohexane
 Concen: 0.799 ug/l
 RT: 8.235 min Scan# 1068
 Delta R.T. -0.035 min
 Lab File: VN087038.D
 Acq: 16 Jun 2025 17:41

Tgt Ion: 56 Resp: 4823
 Ion Ratio Lower Upper
 56 100
 69 186.5 25.4 38.0#
 84 183.7 68.8 103.2#





#33

1,2-Dichloroethane-d4

Concen: 53.815 ug/l

RT: 8.582 min Scan# 1128

Delta R.T. -0.006 min

Lab File: VN087038.D

Acq: 16 Jun 2025 17:41

Instrument :

MSVOA_N

ClientSampleId :

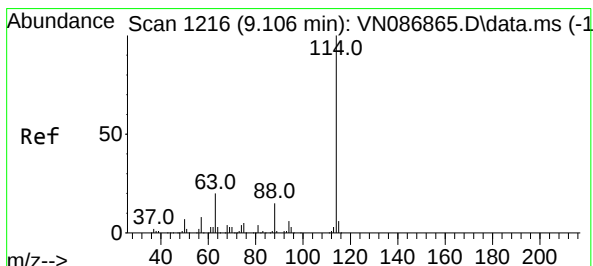
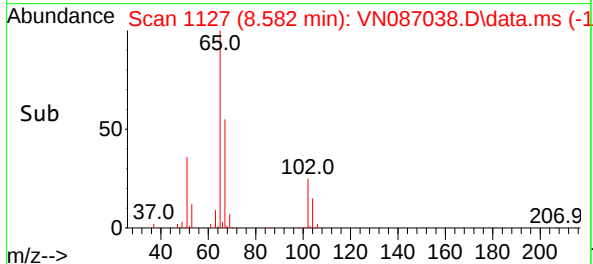
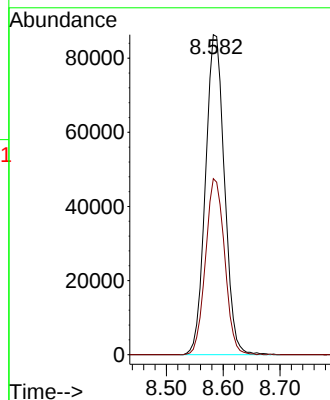
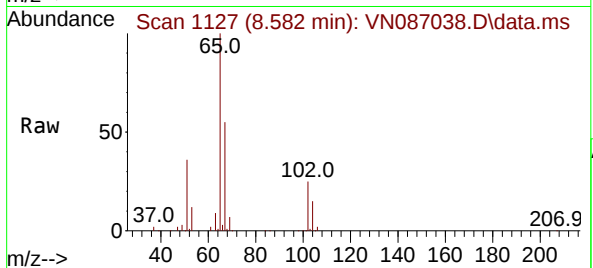
RW11-MW01S-20250611

Tgt Ion: 65 Resp: 200357

Ion Ratio Lower Upper

65 100

67 55.2 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: VN087038.D

Acq: 16 Jun 2025 17:41

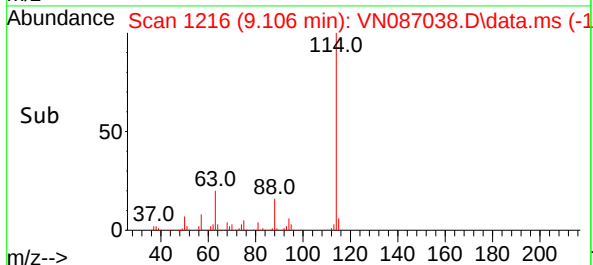
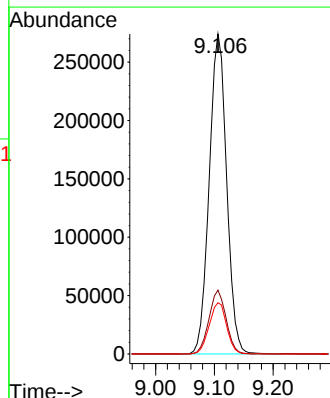
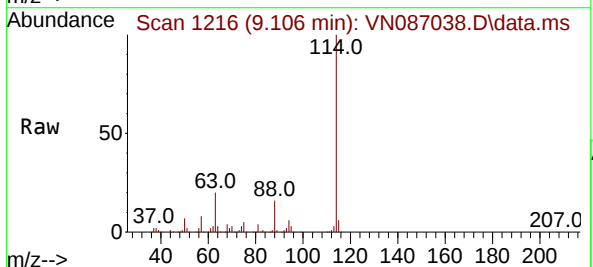
Tgt Ion: 114 Resp: 562910

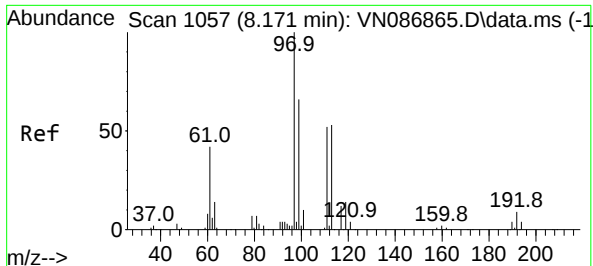
Ion Ratio Lower Upper

114 100

63 20.0 0.0 39.6

88 16.0 0.0 30.2





#35

Dibromofluoromethane

Concen: 51.766 ug/l

RT: 8.177 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN087038.D

Acq: 16 Jun 2025 17:41

Instrument :

MSVOA_N

ClientSampleId :

RW11-MW01S-20250611

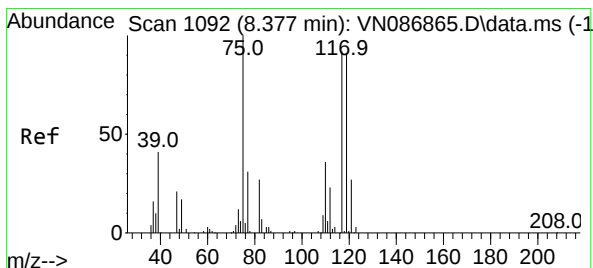
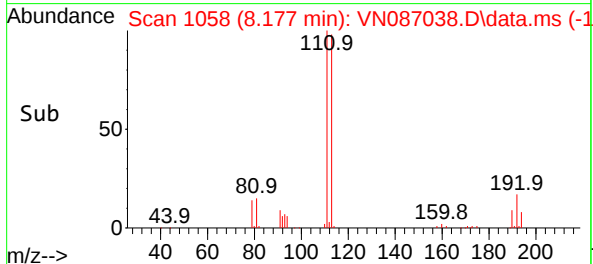
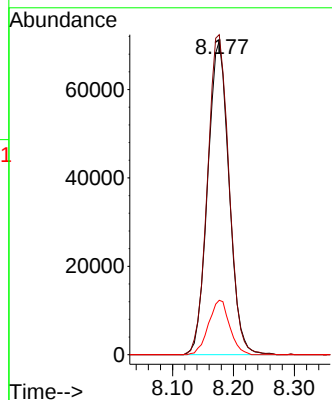
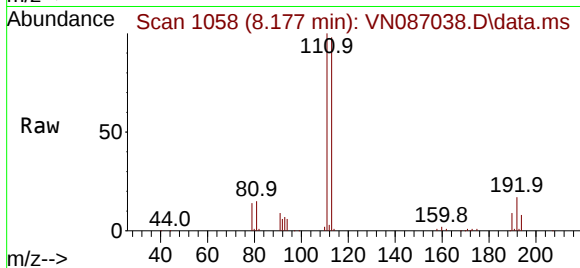
Tgt Ion:113 Resp: 172687

Ion Ratio Lower Upper

113 100

111 103.0 84.2 126.2

192 17.2 14.2 21.4



#36

1,1-Dichloropropene

Concen: 4.253 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.147 min

Lab File: VN087038.D

Acq: 16 Jun 2025 17:41

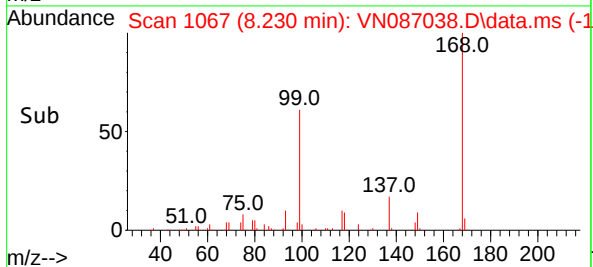
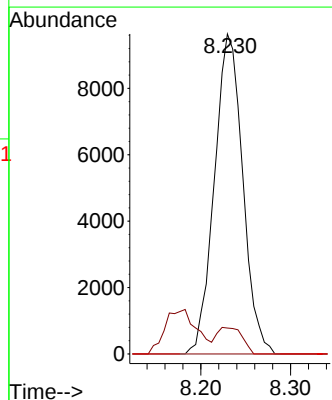
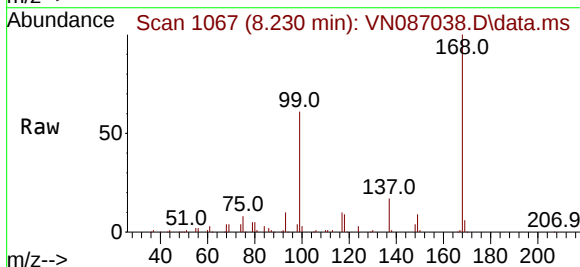
Tgt Ion: 75 Resp: 21141

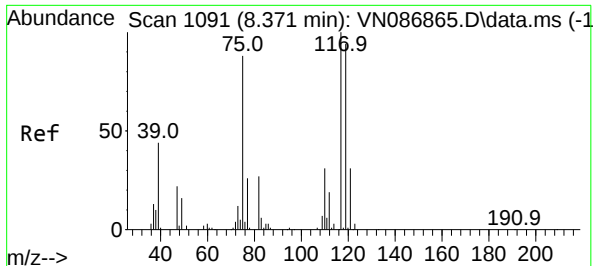
Ion Ratio Lower Upper

75 100

110 7.3 17.6 52.9#

77 0.0 25.3 37.9#

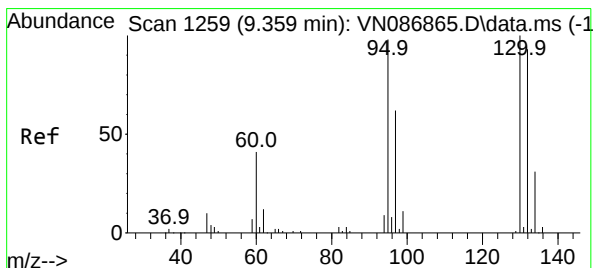
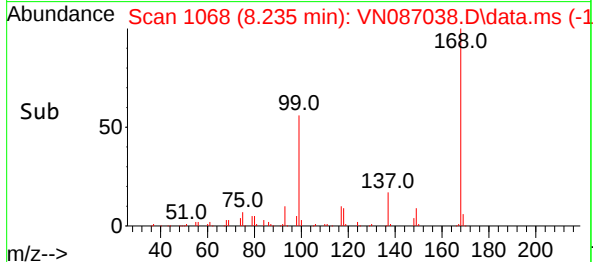
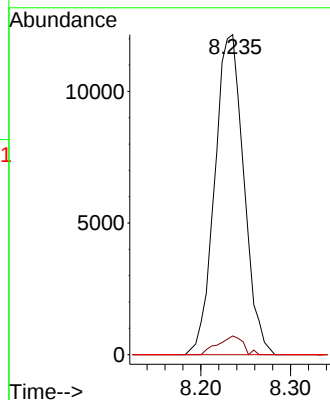
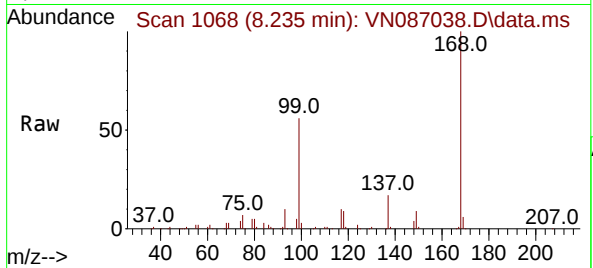




#38
Carbon Tetrachloride
Concen: 5.599 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.135 min
Lab File: VN087038.D
Acq: 16 Jun 2025 17:41

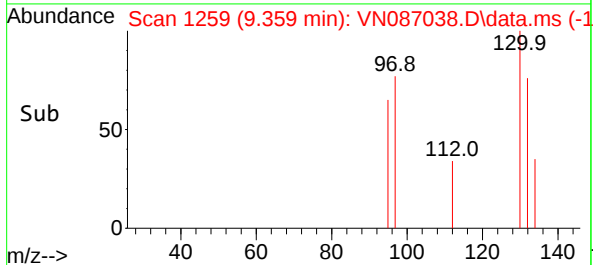
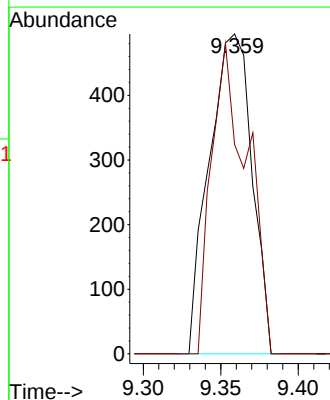
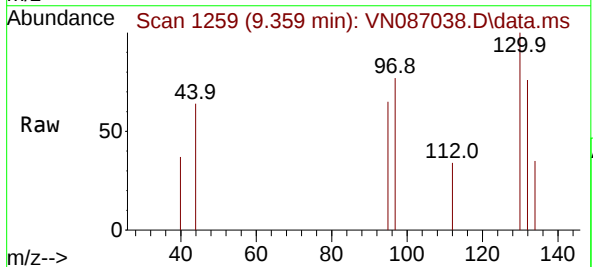
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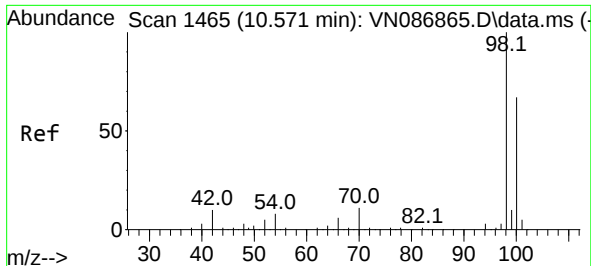
Tgt Ion:117 Resp: 27323
Ion Ratio Lower Upper
117 100
119 5.8 75.0 112.6#
121 0.0 24.9 37.3#



#44
Trichloroethene
Concen: 0.246 ug/l
RT: 9.359 min Scan# 1259
Delta R.T. -0.000 min
Lab File: VN087038.D
Acq: 16 Jun 2025 17:41

Tgt Ion:130 Resp: 950
Ion Ratio Lower Upper
130 100
95 65.5 0.0 196.2

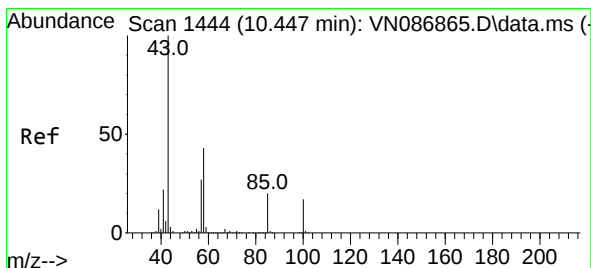
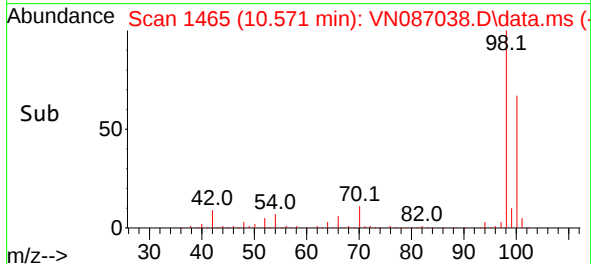
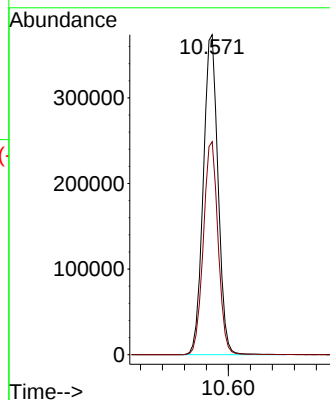
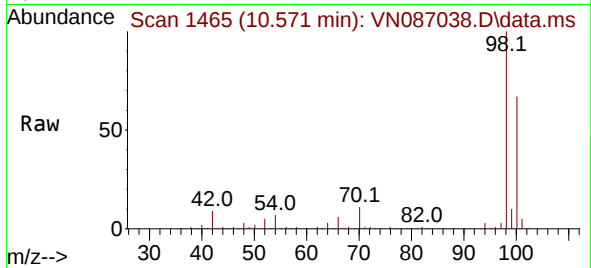




#50
Toluene-d8
Concen: 52.673 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN087038.D
Acq: 16 Jun 2025 17:41

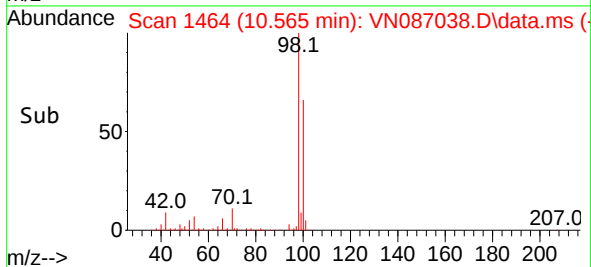
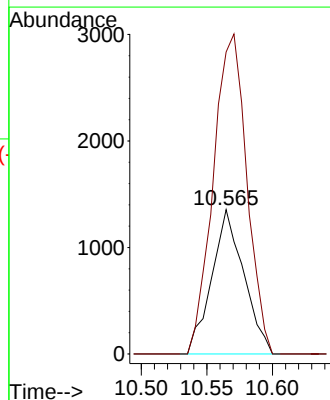
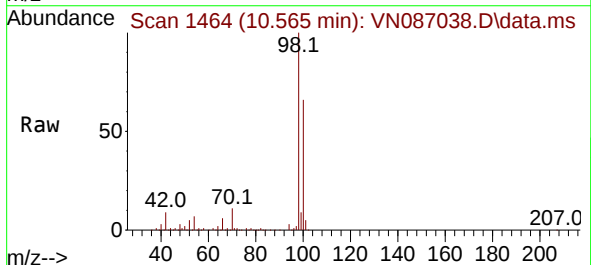
Instrument :
MSVOA_N
ClientSampleId :
RW11-MW01S-20250611

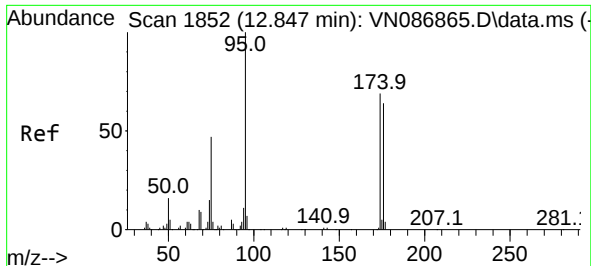
Tgt Ion: 98 Resp: 695609
Ion Ratio Lower Upper
98 100
100 66.4 53.4 80.0



#51
4-Methyl-2-Pentanone
Concen: 0.377 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.117 min
Lab File: VN087038.D
Acq: 16 Jun 2025 17:41

Tgt Ion: 43 Resp: 2306
Ion Ratio Lower Upper
43 100
58 231.9 34.2 51.4#

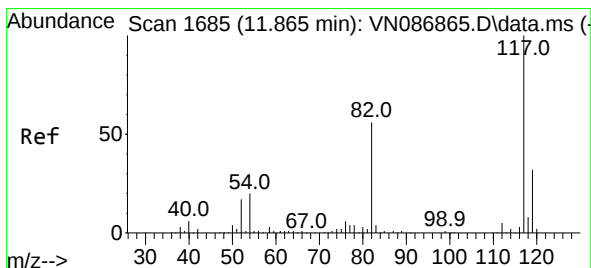
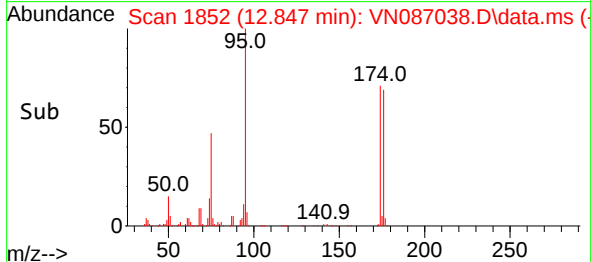
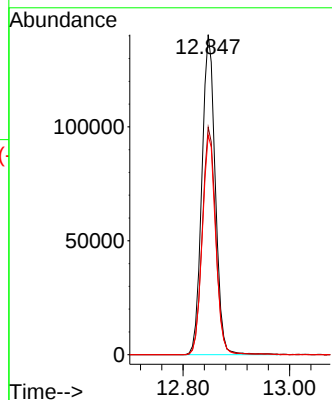
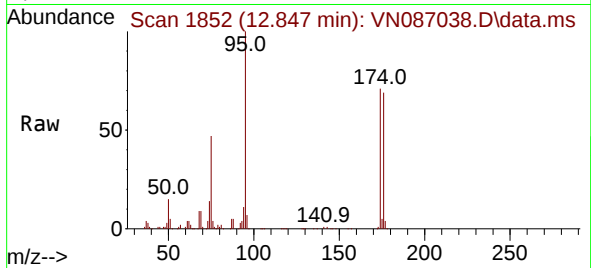




#62
4-Bromofluorobenzene
Concen: 49.867 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN087038.D
Acq: 16 Jun 2025 17:41

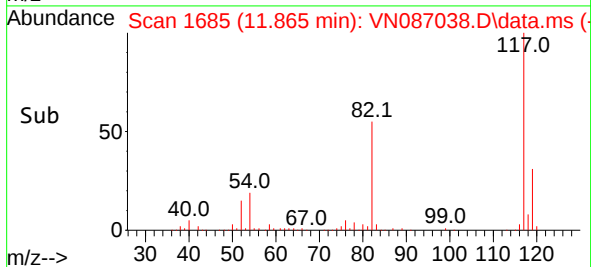
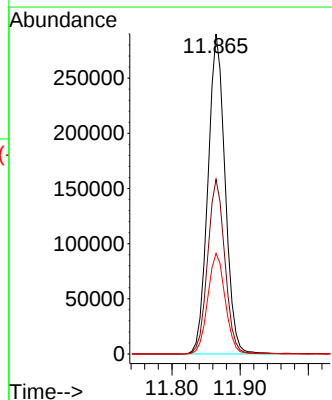
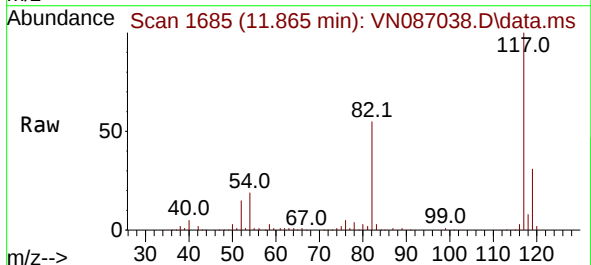
Instrument :
MSVOA_N
ClientSampleId :
RW11-MW01S-20250611

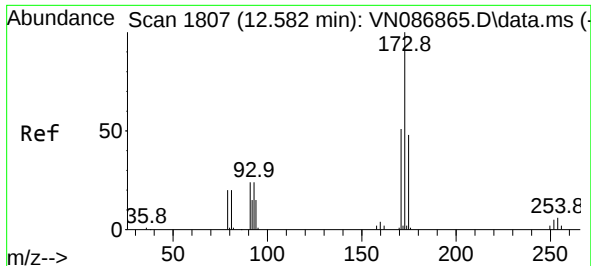
Tgt Ion: 95 Resp: 244670
Ion Ratio Lower Upper
95 100
174 71.3 0.0 141.8
176 68.7 0.0 132.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN087038.D
Acq: 16 Jun 2025 17:41

Tgt Ion: 117 Resp: 508781
Ion Ratio Lower Upper
117 100
82 54.6 44.6 67.0
119 31.4 25.5 38.3

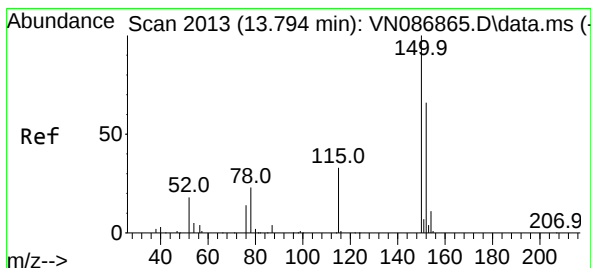
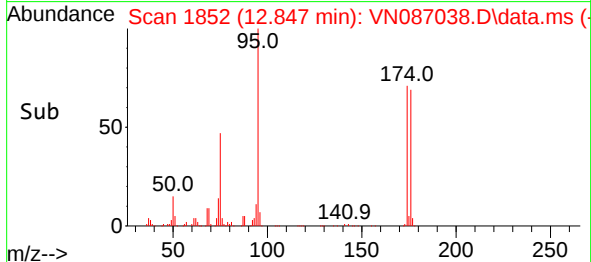
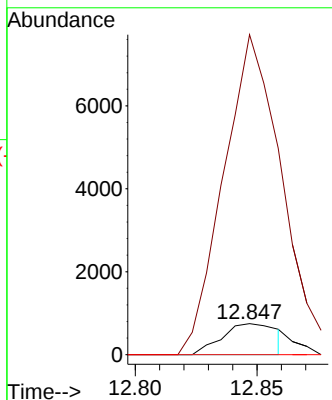
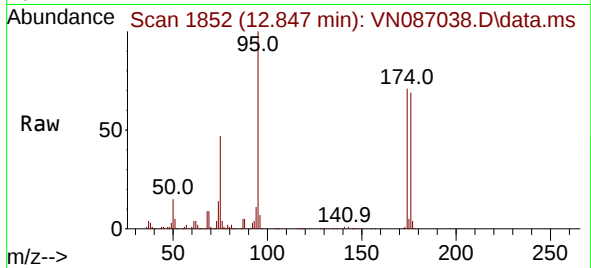




#71
Bromoform
Concen: 0.442 ug/l
RT: 12.847 min Scan# 1182
Delta R.T. 0.265 min
Lab File: VN087038.D
Acq: 16 Jun 2025 17:41

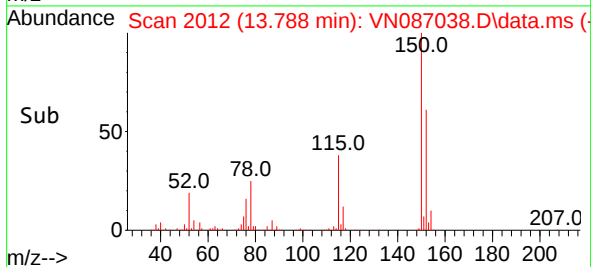
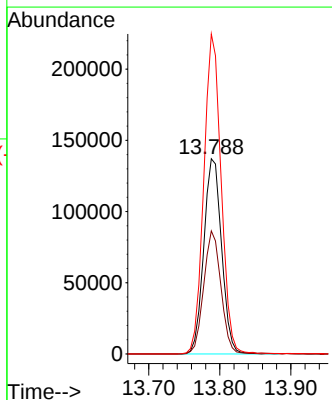
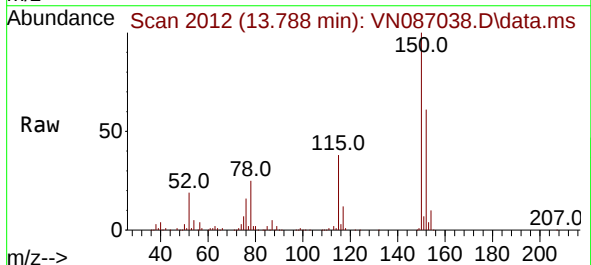
Instrument :
MSVOA_N
ClientSampleId :
RW11-MW01S-20250611

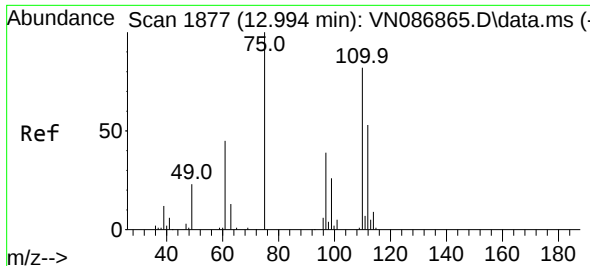
Tgt Ion	Ratio	Lower	Upper
173	100		
175	944.0	24.1	72.4#
254	0.0	0.0	0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.006 min
Lab File: VN087038.D
Acq: 16 Jun 2025 17:41

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.7	30.1	90.5
150	159.1	0.0	345.0

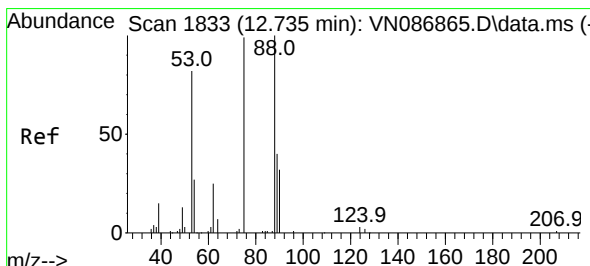
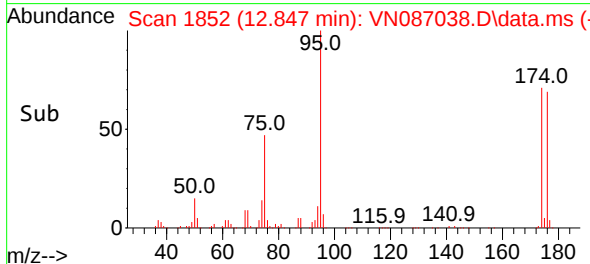
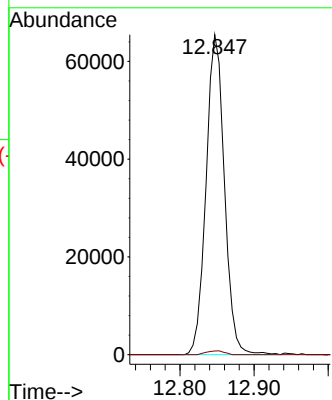
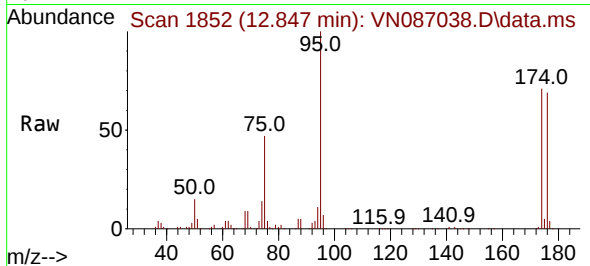




#76
1,2,3-Trichloropropane
Concen: 19.780 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN087038.D
Acq: 16 Jun 2025 17:41

Instrument :
MSVOA_N
ClientSampleId :
RW11-MW01S-20250611

Tgt Ion: 75 Resp: 112912
Ion Ratio Lower Upper
75 100
77 1.2 79.3 237.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 45.534 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN087038.D
Acq: 16 Jun 2025 17:41

Tgt Ion: 75 Resp: 112912
Ion Ratio Lower Upper
75 100
53 0.0 66.6 99.8#
89 0.0 36.7 55.1#

