

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061925\
 Data File : VN087101.D
 Acq On : 19 Jun 2025 10:05
 Operator : JC\MD
 Sample : VN0619MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0619MBL01

Quant Time: Jun 20 01:20:25 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)

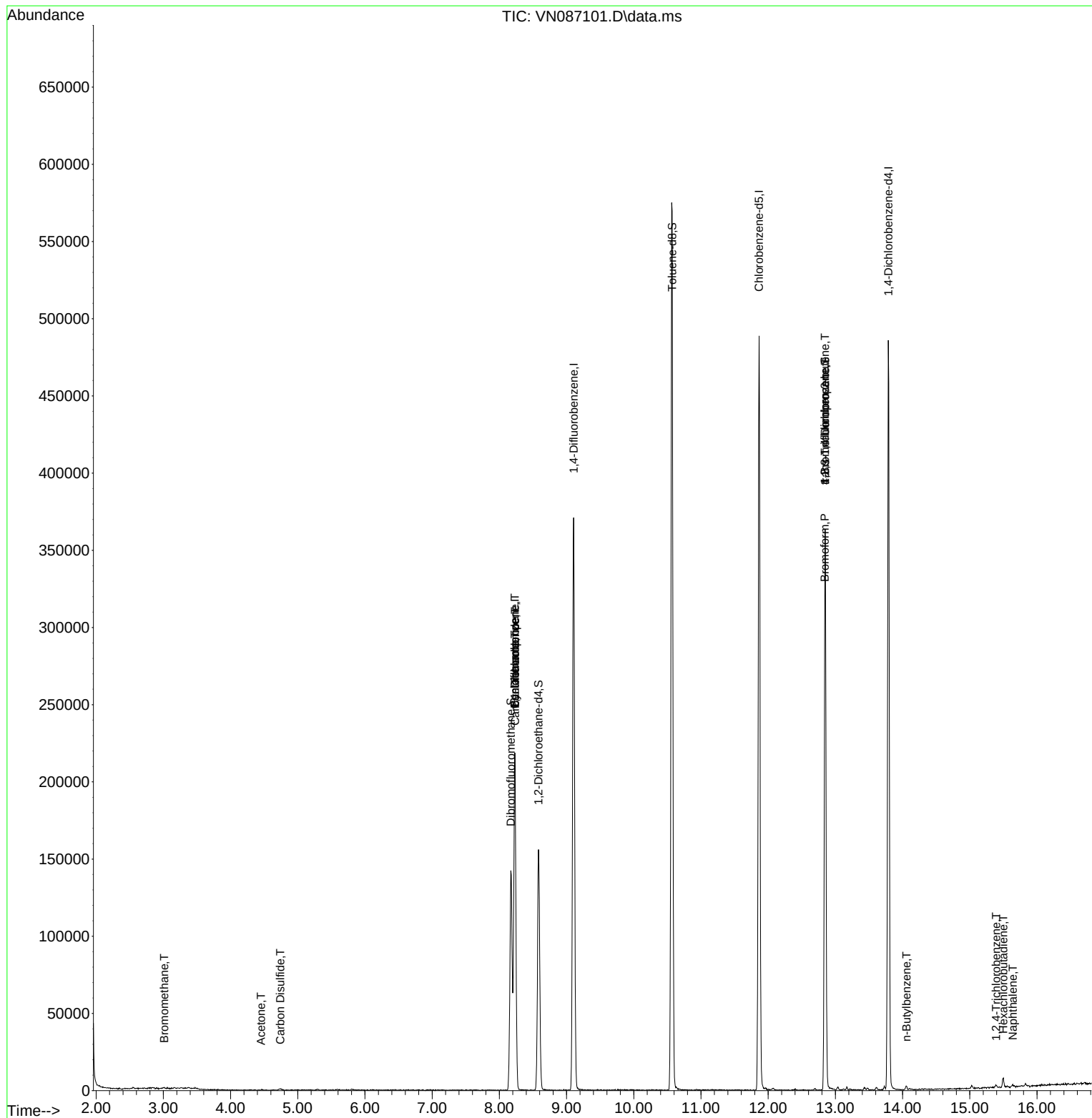
Internal Standards						
1) Pentafluorobenzene	8.230	168	169568	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	345417	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	312145	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	141834	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	129110	56.868	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 113.740%	
35) Dibromofluoromethane	8.171	113	109530	53.507	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 107.020%	
50) Toluene-d8	10.571	98	431511	53.249	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 106.500%	
62) 4-Bromofluorobenzene	12.847	95	146587	48.688	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 97.380%	
Target Compounds						
					Qvalue	
5) Bromomethane	3.012	94	319	0.253	ug/l	100
16) Acetone	4.453	43	498	0.414	ug/l #	40
17) Carbon Disulfide	4.742	76	1772	0.339	ug/l #	75
31) Cyclohexane	8.230	56	2986	0.811	ug/l #	1
36) 1,1-Dichloropropene	8.230	75	12923	4.237	ug/l #	48
38) Carbon Tetrachloride	8.236	117	16431	5.487	ug/l #	17
71) Bromoform	12.841	173	630	0.384	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	67098	19.902	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	67098	45.813	ug/l #	16
89) n-Butylbenzene	14.059	91	1833	0.202	ug/l	95
93) 1,2,4-Trichlorobenzene	15.394	180	797	0.279	ug/l #	86
94) Hexachlorobutadiene	15.500	225	1461	1.371	ug/l	93
95) Naphthalene	15.641	128	2320	0.218	ug/l #	76

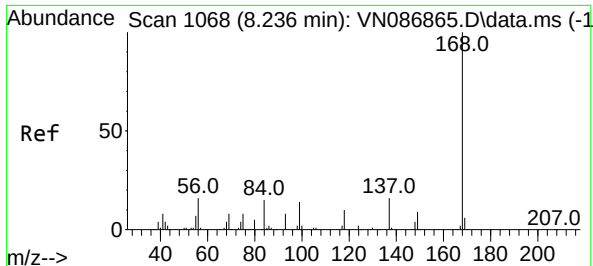
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061925\
Data File : VN087101.D
Acq On : 19 Jun 2025 10:05
Operator : JC\MD
Sample : VN0619MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0619MBL01

Quant Time: Jun 20 01:20:25 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

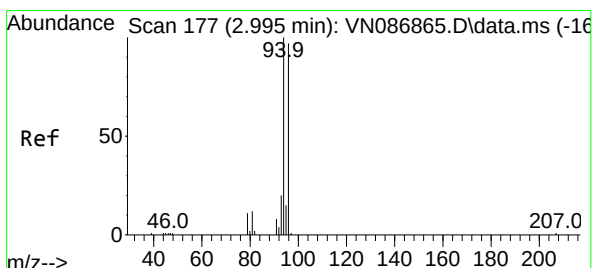
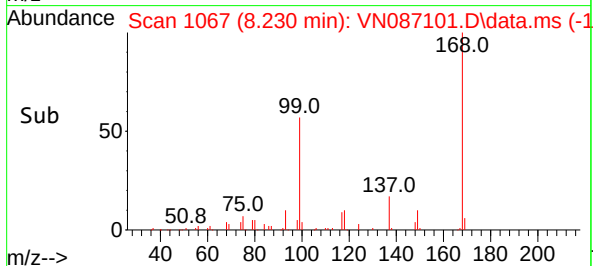
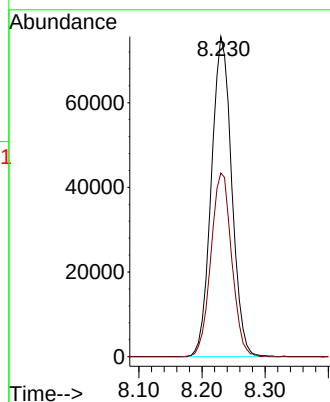
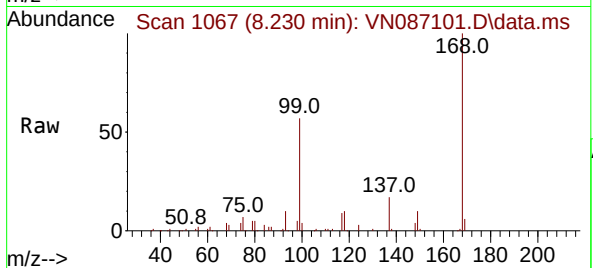




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN087101.D
Acq: 19 Jun 2025 10:05

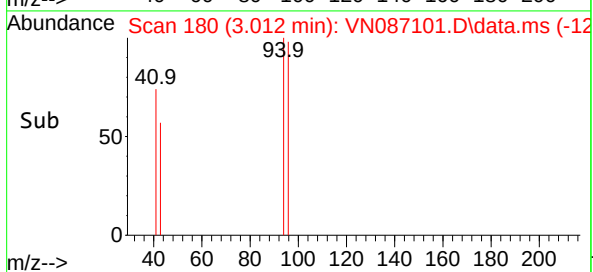
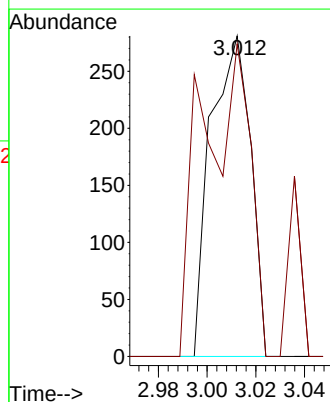
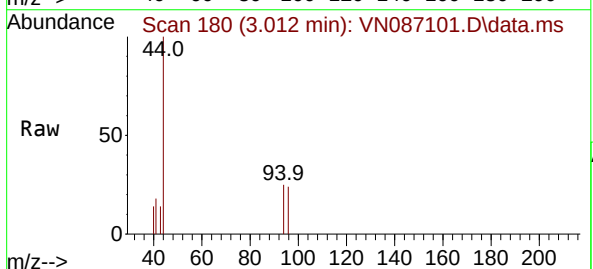
Instrument :
MSVOA_N
ClientSampleId :
VN0619MBL01

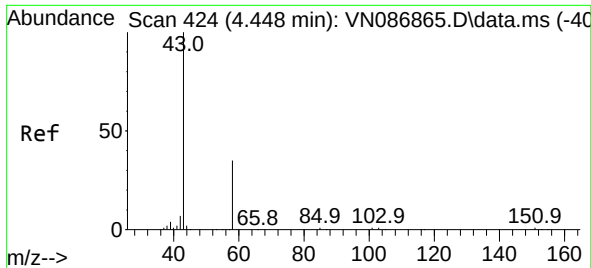
Tgt Ion:168 Resp: 169568
Ion Ratio Lower Upper
168 100
99 57.4 49.1 73.7



#5
Bromomethane
Concen: 0.253 ug/l
RT: 3.012 min Scan# 180
Delta R.T. 0.018 min
Lab File: VN087101.D
Acq: 19 Jun 2025 10:05

Tgt Ion: 94 Resp: 319
Ion Ratio Lower Upper
94 100
96 97.5 77.9 116.9

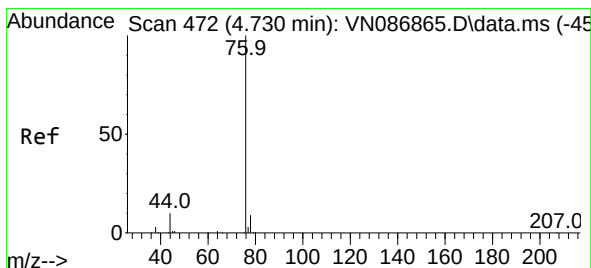
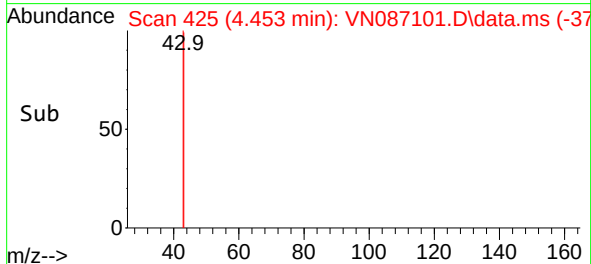
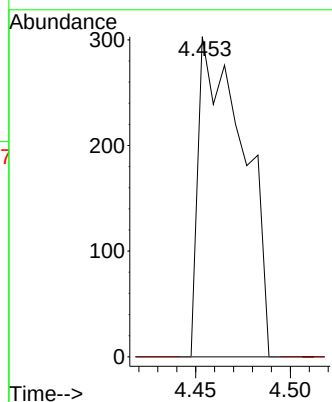
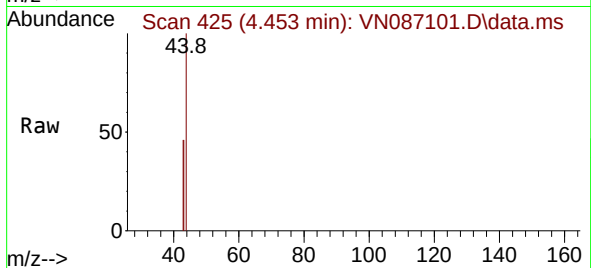




#16
Acetone
Concen: 0.414 ug/l
RT: 4.453 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN087101.D
Acq: 19 Jun 2025 10:05

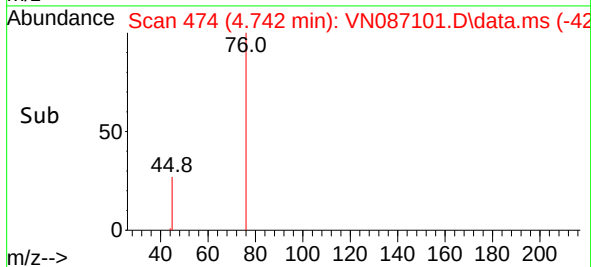
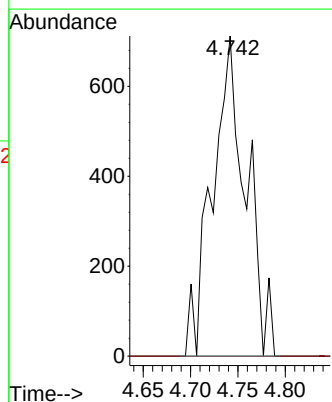
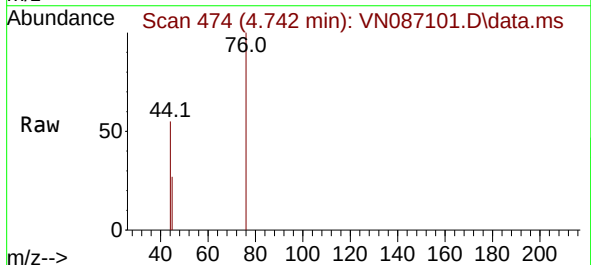
Instrument :
MSVOA_N
ClientSampleId :
VN0619MBL01

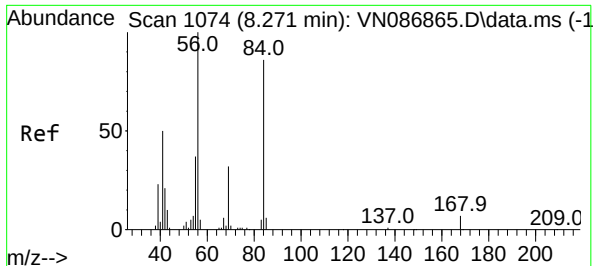
Tgt Ion: 43 Resp: 498
Ion Ratio Lower Upper
43 100
58 0.0 28.0 42.0#



#17
Carbon Disulfide
Concen: 0.339 ug/l
RT: 4.742 min Scan# 474
Delta R.T. 0.012 min
Lab File: VN087101.D
Acq: 19 Jun 2025 10:05

Tgt Ion: 76 Resp: 1772
Ion Ratio Lower Upper
76 100
78 0.0 7.3 10.9#

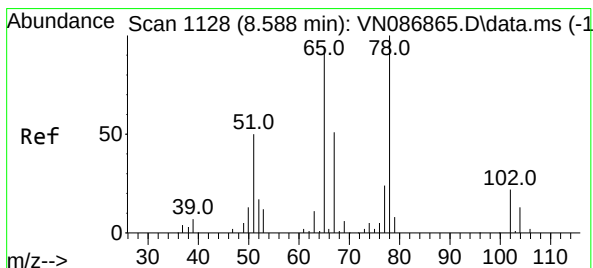
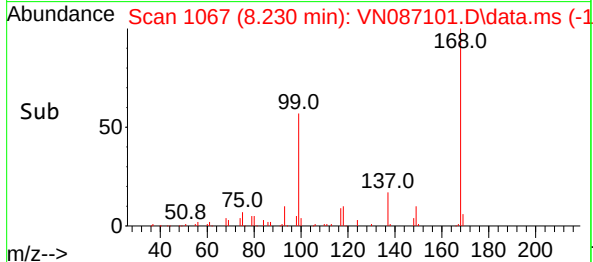
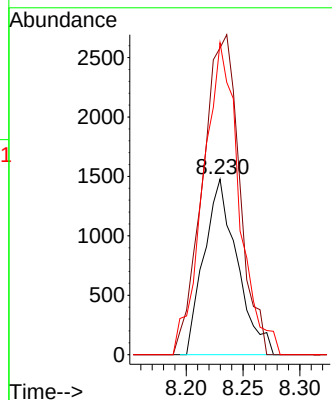
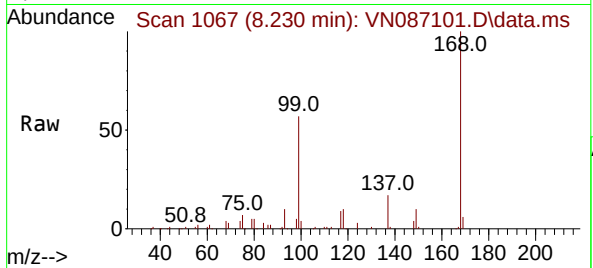




#31
Cyclohexane
Concen: 0.811 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.041 min
Lab File: VN087101.D
Acq: 19 Jun 2025 10:05

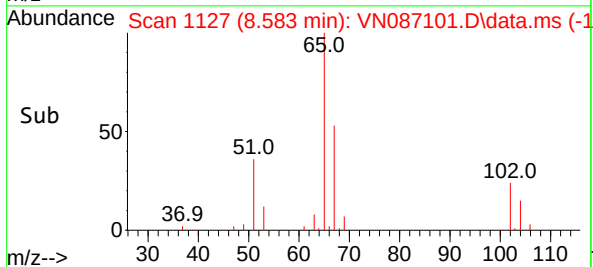
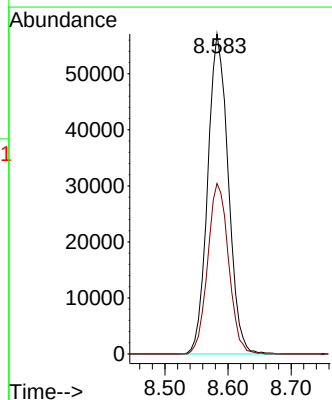
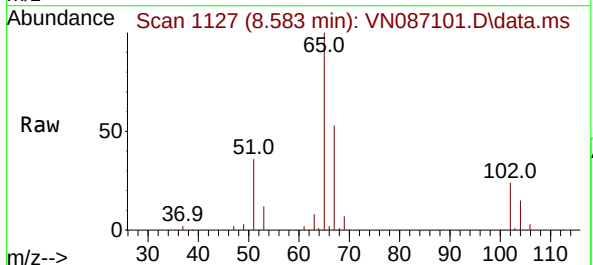
Instrument :
MSVOA_N
ClientSampleId :
VN0619MBL01

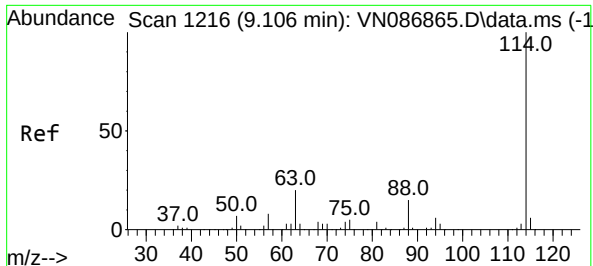
Tgt Ion: 56 Resp: 2986
Ion Ratio Lower Upper
56 100
69 174.7 25.4 38.0#
84 177.8 68.8 103.2#



#33
1,2-Dichloroethane-d4
Concen: 56.868 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. -0.006 min
Lab File: VN087101.D
Acq: 19 Jun 2025 10:05

Tgt Ion: 65 Resp: 129110
Ion Ratio Lower Upper
65 100
67 54.1 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: VN087101.D

Acq: 19 Jun 2025 10:05

Instrument :

MSVOA_N

ClientSampleId :

VN0619MBL01

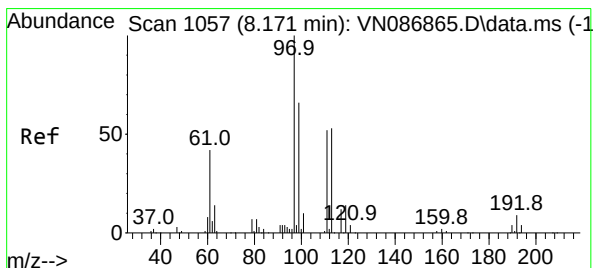
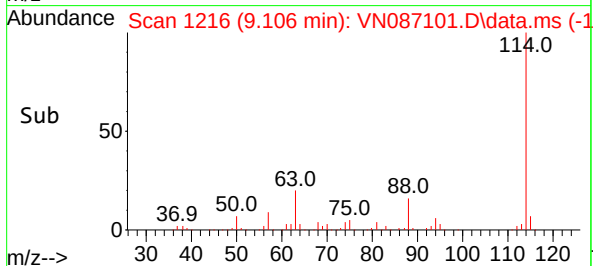
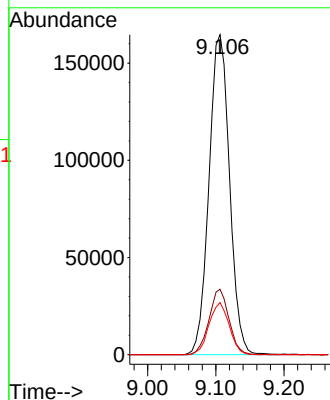
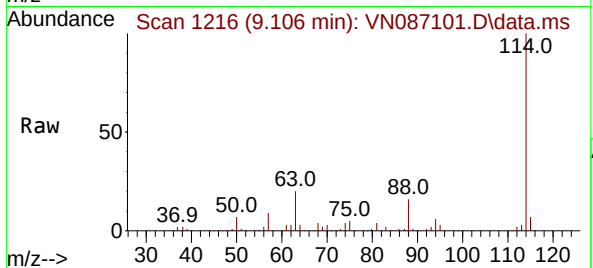
Tgt Ion:114 Resp: 345417

Ion Ratio Lower Upper

114 100

63 20.4 0.0 39.6

88 16.3 0.0 30.2



#35

Dibromofluoromethane

Concen: 53.507 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VN087101.D

Acq: 19 Jun 2025 10:05

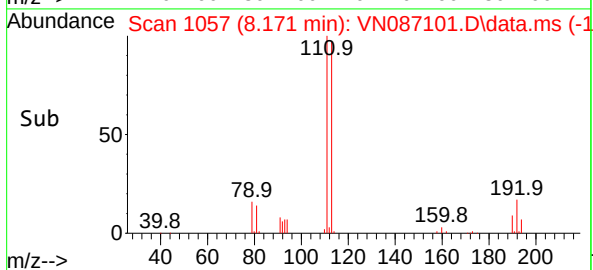
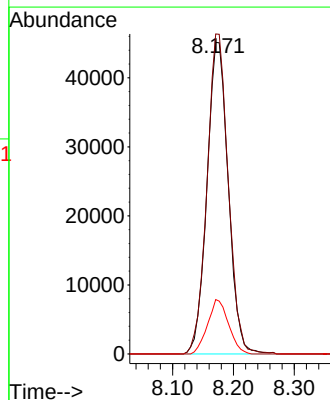
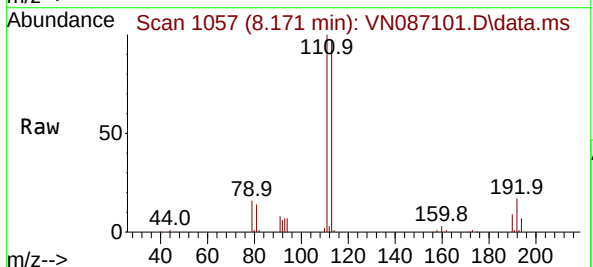
Tgt Ion:113 Resp: 109530

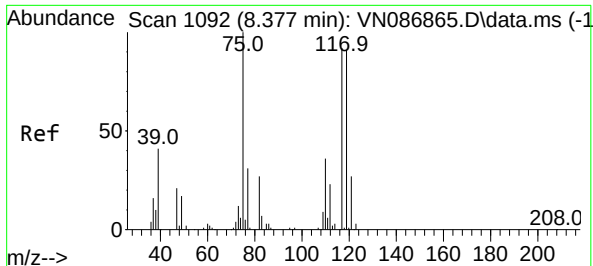
Ion Ratio Lower Upper

113 100

111 102.4 84.2 126.2

192 17.2 14.2 21.4





#36

1,1-Dichloropropene

Concen: 4.237 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.147 min

Lab File: VN087101.D

Acq: 19 Jun 2025 10:05

Instrument :

MSVOA_N

ClientSampleId :

VN0619MBL01

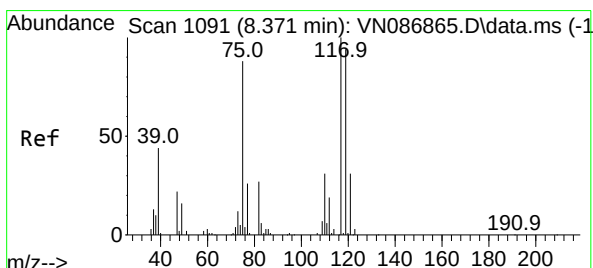
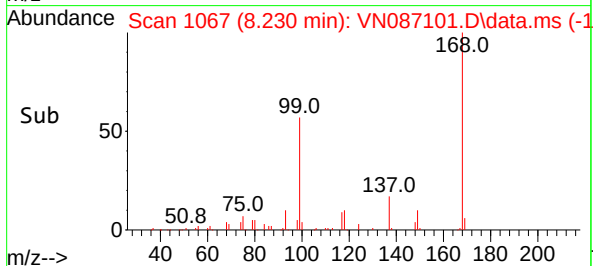
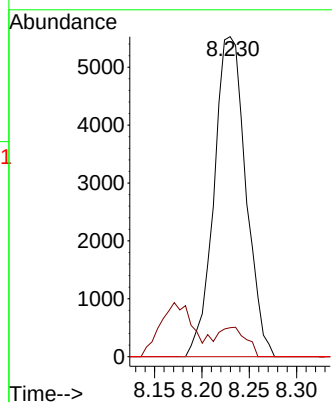
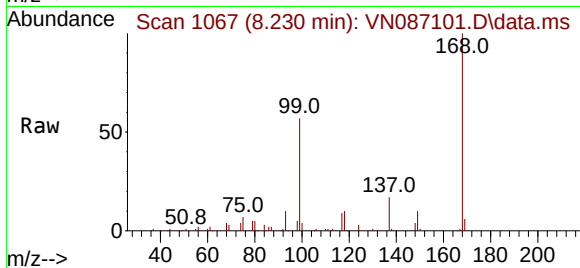
Tgt Ion: 75 Resp: 12923

Ion Ratio Lower Upper

75 100

110 7.7 17.6 52.9#

77 0.0 25.3 37.9#



#38

Carbon Tetrachloride

Concen: 5.487 ug/l

RT: 8.236 min Scan# 1068

Delta R.T. -0.135 min

Lab File: VN087101.D

Acq: 19 Jun 2025 10:05

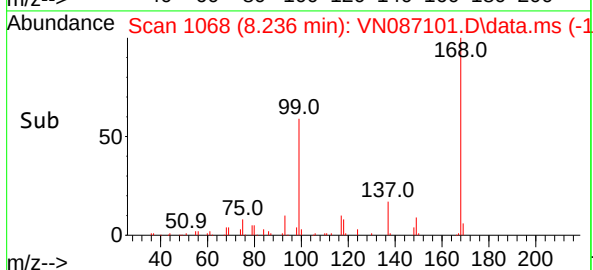
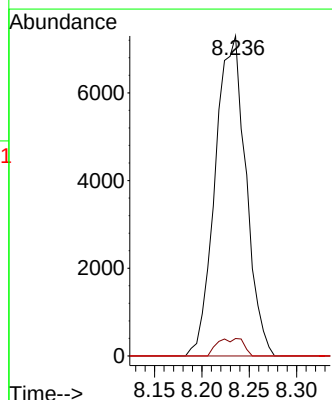
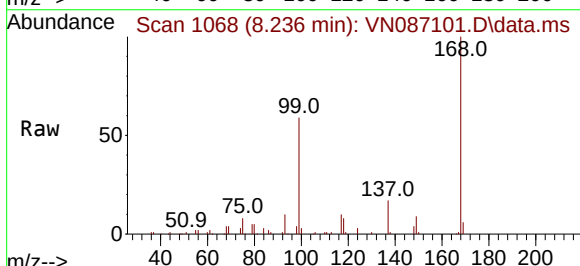
Tgt Ion: 117 Resp: 16431

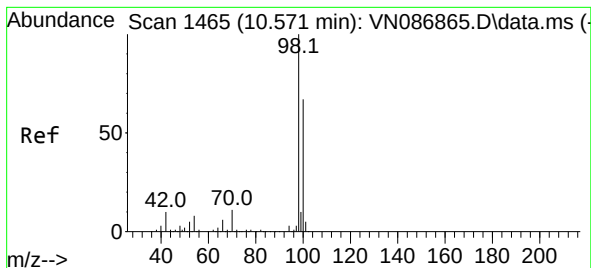
Ion Ratio Lower Upper

117 100

119 5.4 75.0 112.6#

121 0.0 24.9 37.3#

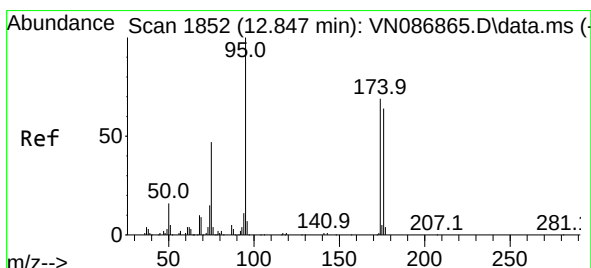
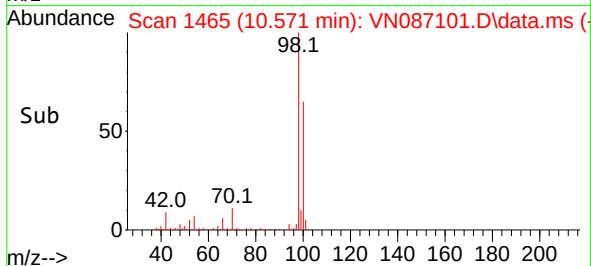
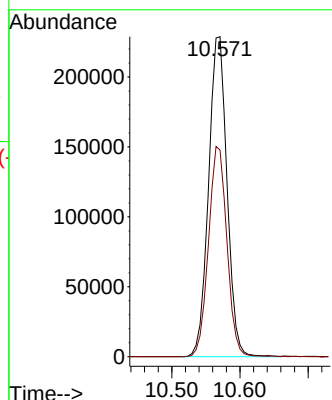
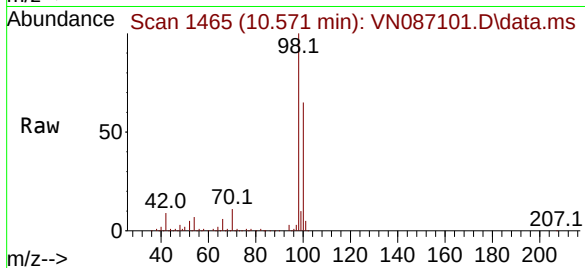




#50
Toluene-d8
Concen: 53.249 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN087101.D
Acq: 19 Jun 2025 10:05

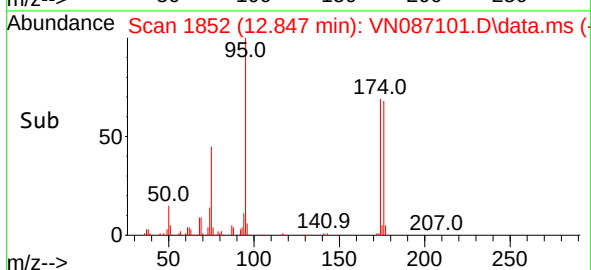
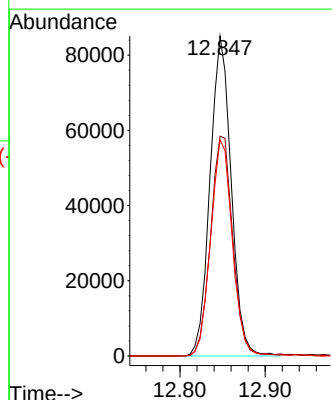
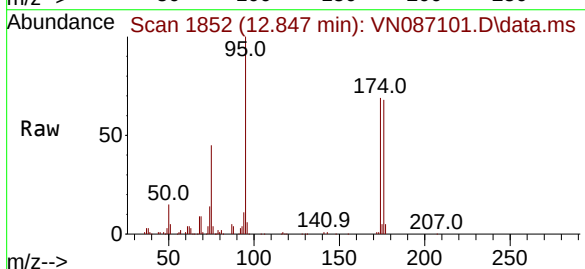
Instrument :
MSVOA_N
ClientSampleId :
VN0619MBL01

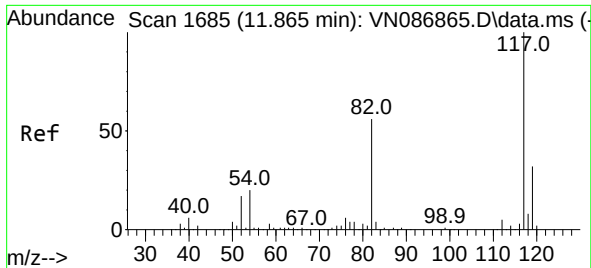
Tgt Ion: 98 Resp: 431511
Ion Ratio Lower Upper
98 100
100 65.5 53.4 80.0



#62
4-Bromofluorobenzene
Concen: 48.688 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN087101.D
Acq: 19 Jun 2025 10:05

Tgt Ion: 95 Resp: 146587
Ion Ratio Lower Upper
95 100
174 72.3 0.0 141.8
176 69.5 0.0 132.6

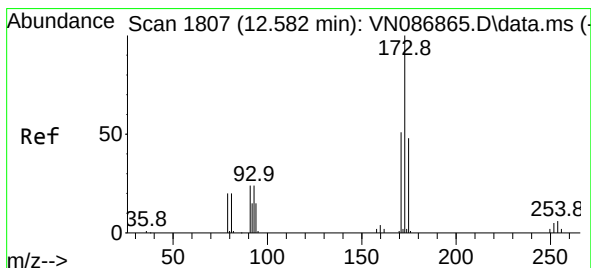
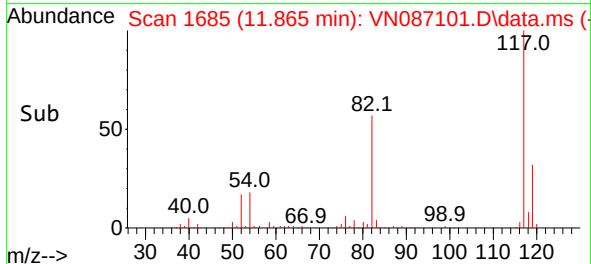
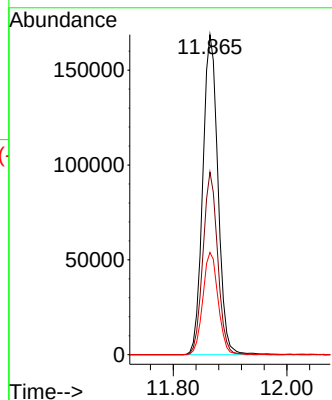
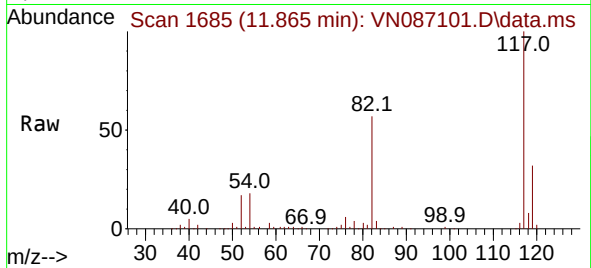




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN087101.D
Acq: 19 Jun 2025 10:05

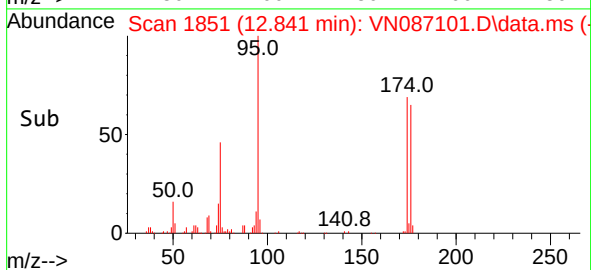
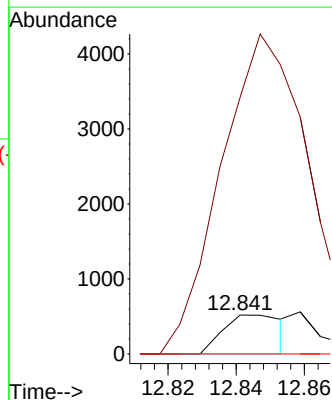
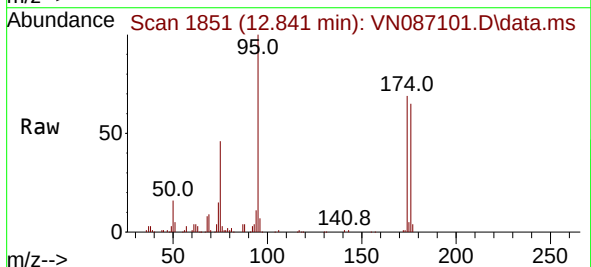
Instrument :
MSVOA_N
ClientSampleId :
VN0619MBL01

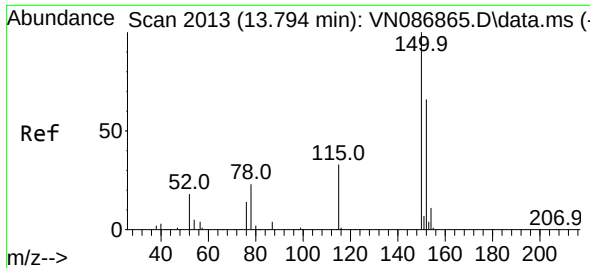
Tgt Ion:117 Resp: 312145
Ion Ratio Lower Upper
117 100
82 57.1 44.6 67.0
119 32.0 25.5 38.3



#71
Bromoform
Concen: 0.384 ug/l
RT: 12.841 min Scan# 1851
Delta R.T. 0.259 min
Lab File: VN087101.D
Acq: 19 Jun 2025 10:05

Tgt Ion:173 Resp: 630
Ion Ratio Lower Upper
173 100
175 1053.3 24.1 72.4#
254 0.0 0.0 0.0

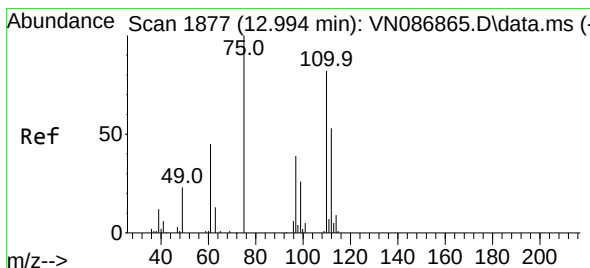
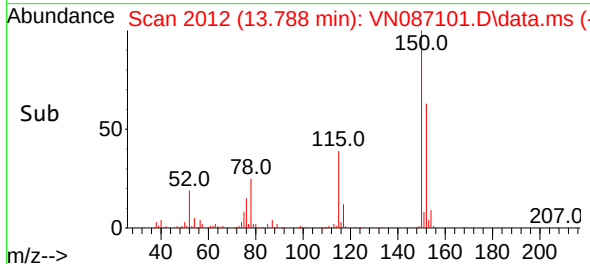
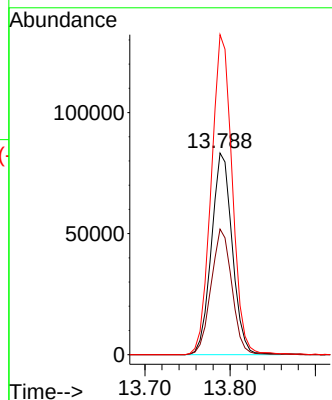
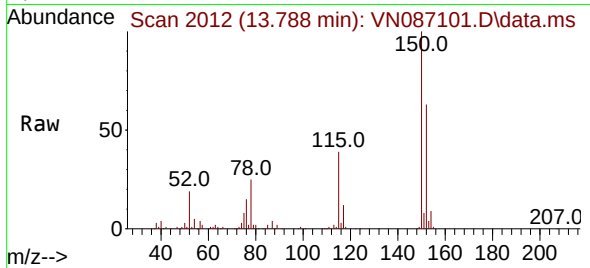




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2013
Delta R.T. -0.006 min
Lab File: VN087101.D
Acq: 19 Jun 2025 10:05

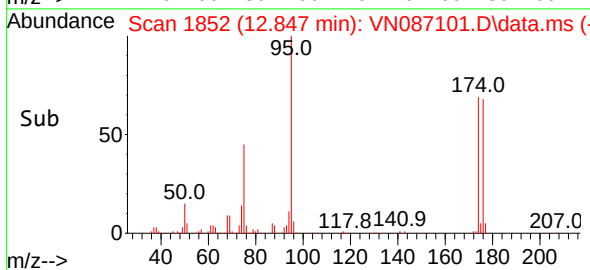
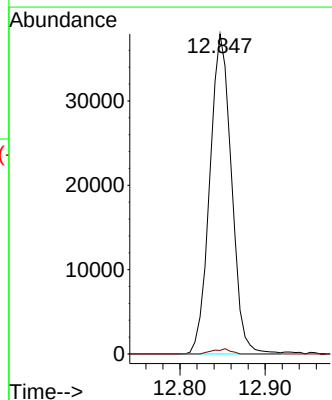
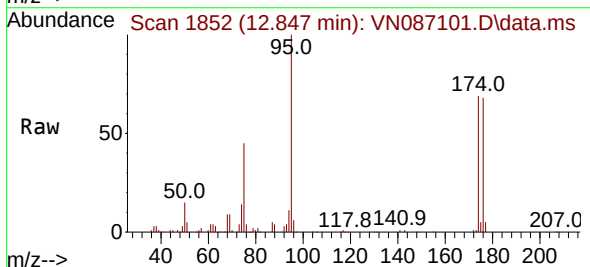
Instrument :
MSVOA_N
ClientSampleId :
VN0619MBL01

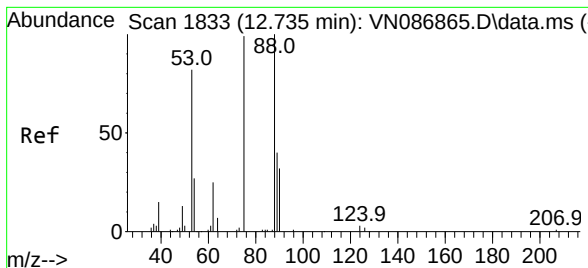
Tgt Ion:152 Resp: 141834
Ion Ratio Lower Upper
152 100
115 61.9 30.1 90.5
150 159.7 0.0 345.0



#76
1,2,3-Trichloropropane
Concen: 19.902 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN087101.D
Acq: 19 Jun 2025 10:05

Tgt Ion: 75 Resp: 67098
Ion Ratio Lower Upper
75 100
77 1.3 79.3 237.9#

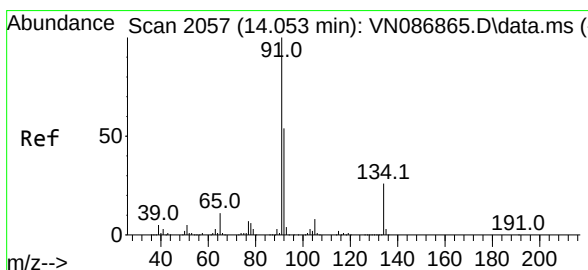
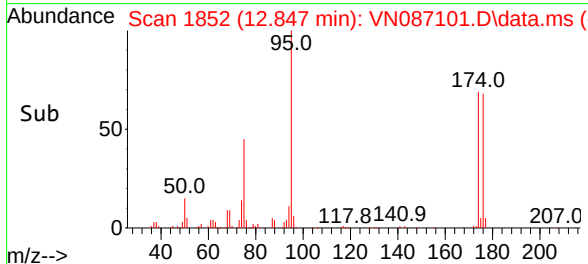
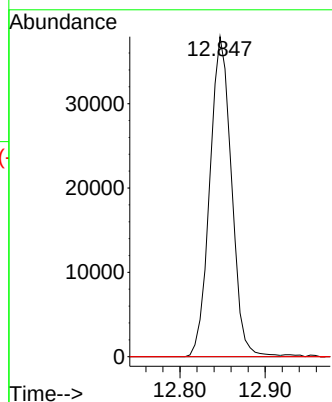
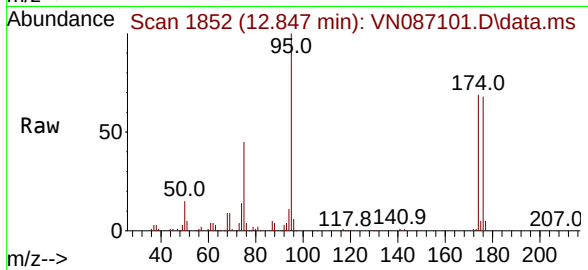




#81
trans-1,4-Dichloro-2-butene
Concen: 45.813 ug/l
RT: 12.847 min Scan# 1833
Delta R.T. 0.112 min
Lab File: VN087101.D
Acq: 19 Jun 2025 10:05

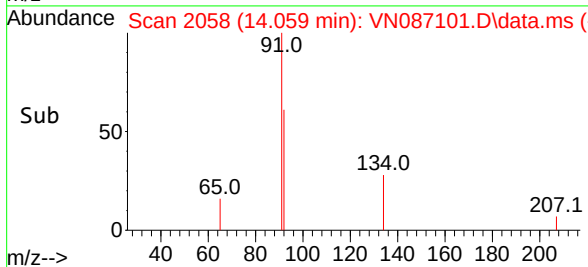
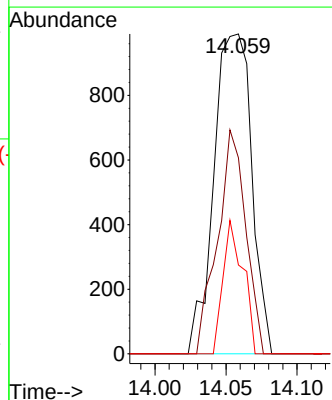
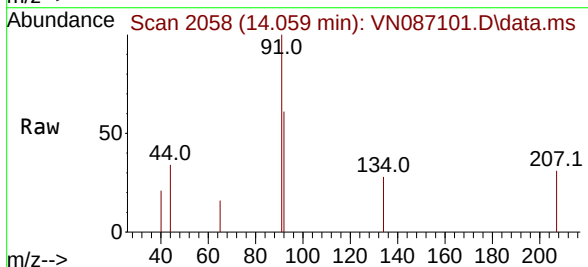
Instrument :
MSVOA_N
ClientSampleId :
VN0619MBL01

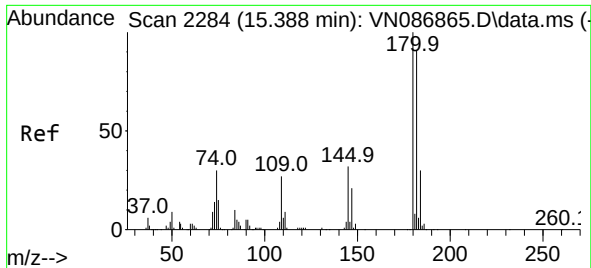
Tgt Ion: 75 Resp: 67098
Ion Ratio Lower Upper
75 100
53 0.0 66.6 99.8#
89 0.0 36.7 55.1#



#89
n-Butylbenzene
Concen: 0.202 ug/l
RT: 14.059 min Scan# 2058
Delta R.T. 0.006 min
Lab File: VN087101.D
Acq: 19 Jun 2025 10:05

Tgt Ion: 91 Resp: 1833
Ion Ratio Lower Upper
91 100
92 52.4 27.5 82.4
134 22.0 13.0 39.0

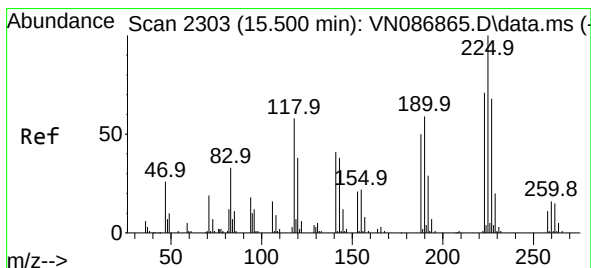
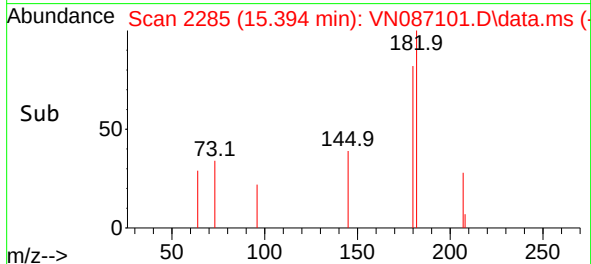
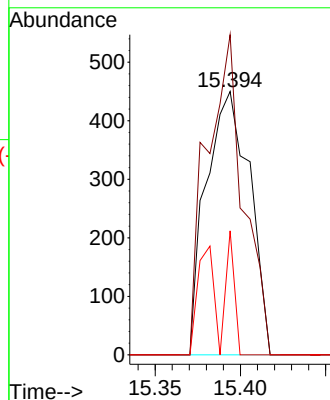
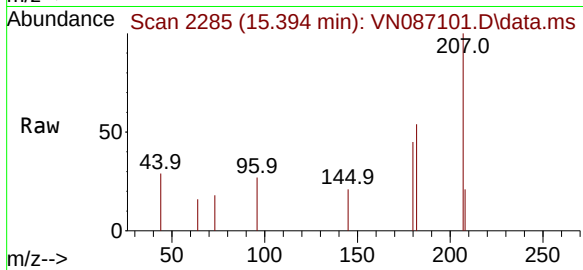




#93
 1,2,4-Trichlorobenzene
 Concen: 0.279 ug/l
 RT: 15.394 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VN087101.D
 Acq: 19 Jun 2025 10:05

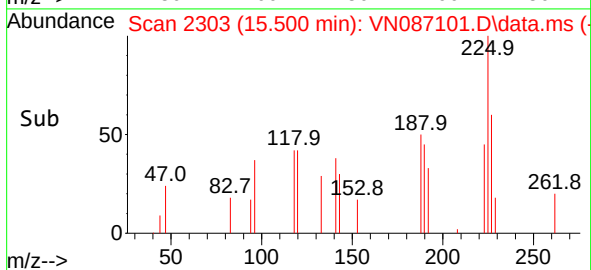
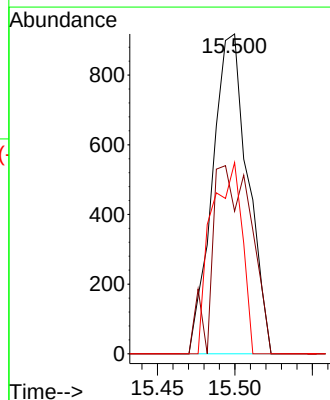
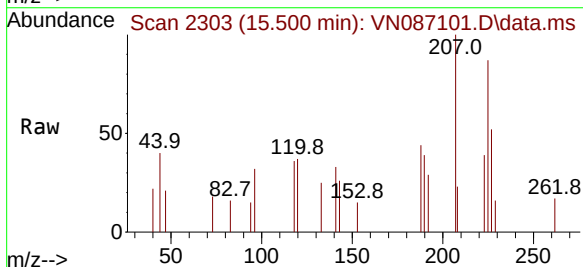
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0619MBL01

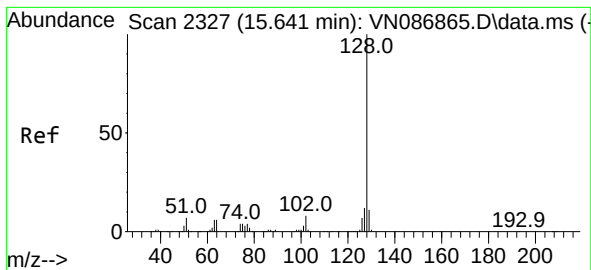
Tgt Ion:180 Resp: 797
 Ion Ratio Lower Upper
 180 100
 182 102.5 46.9 140.7
 145 15.3 16.0 47.9#



#94
 Hexachlorobutadiene
 Concen: 1.371 ug/l
 RT: 15.500 min Scan# 2303
 Delta R.T. -0.000 min
 Lab File: VN087101.D
 Acq: 19 Jun 2025 10:05

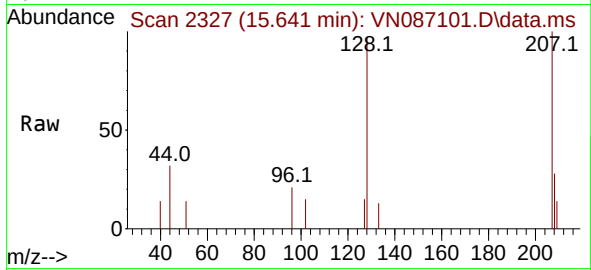
Tgt Ion:225 Resp: 1461
 Ion Ratio Lower Upper
 225 100
 223 65.8 33.5 100.4
 227 51.8 31.1 93.5





#95
Naphthalene
Concen: 0.218 ug/l
RT: 15.641 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN087101.D
Acq: 19 Jun 2025 10:05

Instrument :
MSVOA_N
ClientSampleId :
VN0619MBL01



Tgt Ion:128 Resp: 2320
Ion Ratio Lower Upper
128 100
127 5.2 10.2 15.2#
129 0.0 8.8 13.2#

