

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062024\
 Data File : VN082662.D
 Acq On : 20 Jun 2024 12:45
 Operator : JC\MD
 Sample : P2981-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 21 02:04:41 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N061724W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 18 04:52:44 2024
 Response via : Initial Calibration

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

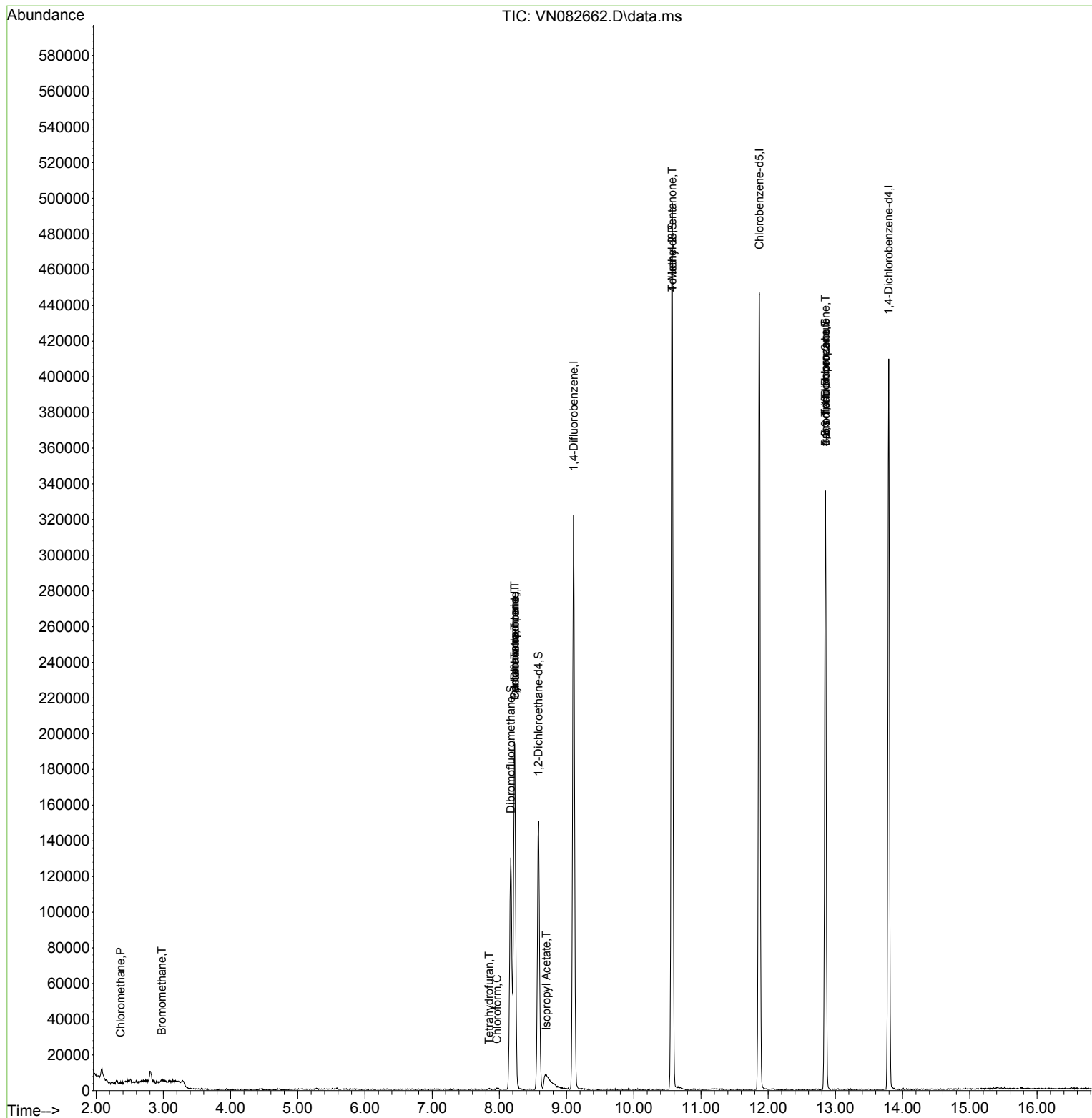
Internal Standards						
1) Pentafluorobenzene	8.230	168	136297	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	248487	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	245852	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	102270	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	121866	55.756	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	111.520%
35) Dibromofluoromethane	8.171	113	90778	53.851	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	107.700%
50) Toluene-d8	10.571	98	325038	50.988	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	101.980%
62) 4-Bromofluorobenzene	12.853	95	103141	46.929	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	=	93.860%
Target Compounds						
						Qvalue
3) Chloromethane	2.365	50	505	0.221	ug/l	93
5) Bromomethane	2.977	94	785	0.562	ug/l #	46
29) Tetrahydrofuran	7.847	42	465	0.538	ug/l #	38
30) Chloroform	7.965	83	941	0.286	ug/l	99
31) Cyclohexane	8.230	56	3954	1.253	ug/l #	21
36) 1,1-Dichloropropene	8.230	75	12497	4.959	ug/l #	50
38) Carbon Tetrachloride	8.230	117	14823	5.220	ug/l #	17
43) Isopropyl Acetate	8.700	43	16412	2.736	ug/l #	60
51) 4-Methyl-2-Pentanone	10.571	43	2073	0.674	ug/l #	1
71) Bromoform	12.853	173	1129	0.710	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	61495	24.585	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	61495	58.817	ug/l #	6

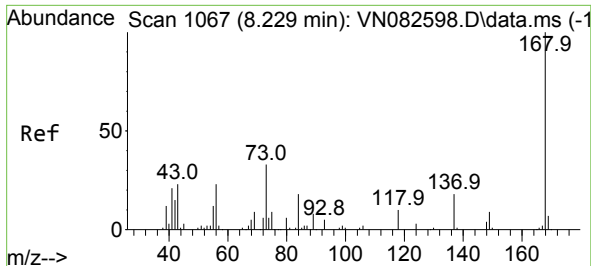
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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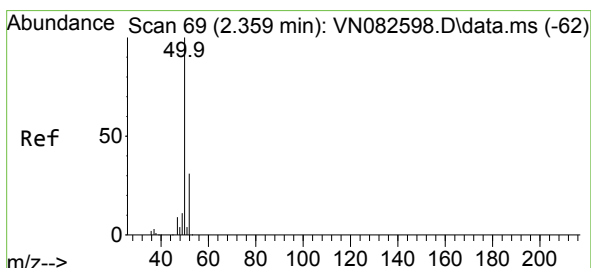
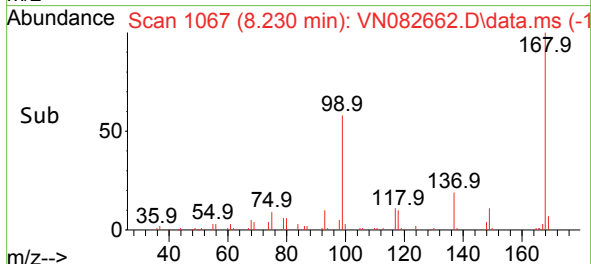
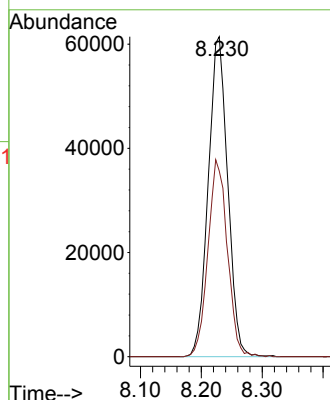
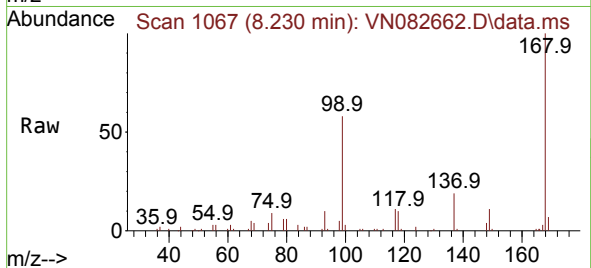




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. 0.001 min
Lab File: VN082662.D
Acq: 20 Jun 2024 12:45

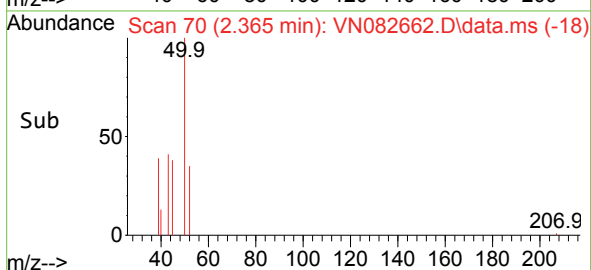
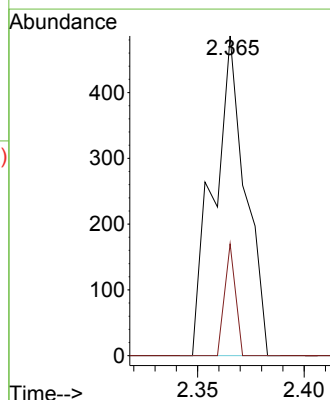
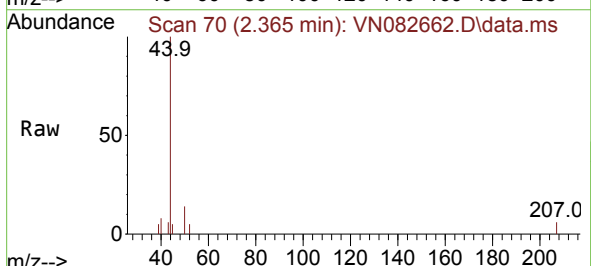
Instrument :
MSVOA_N
ClientSampleId :

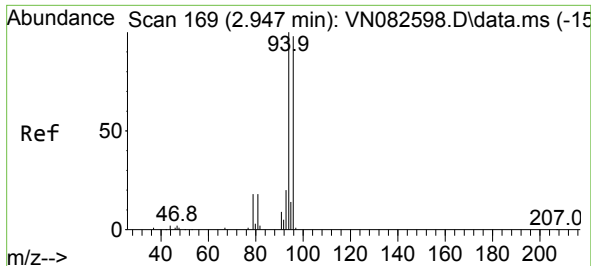
Tgt Ion:168 Resp: 136297
Ion Ratio Lower Upper
168 100
99 58.1 48.2 72.4



#3
Chloromethane
Concen: 0.221 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN082662.D
Acq: 20 Jun 2024 12:45

Tgt Ion: 50 Resp: 505
Ion Ratio Lower Upper
50 100
52 35.0 25.0 37.4

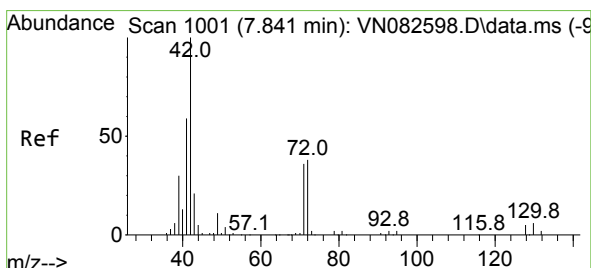
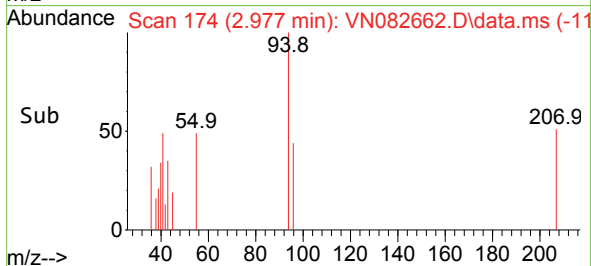
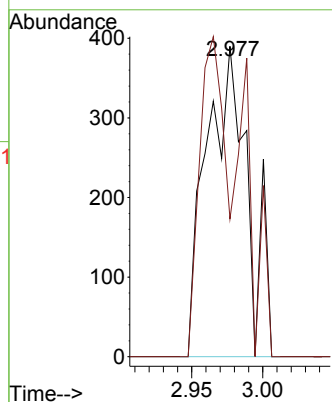
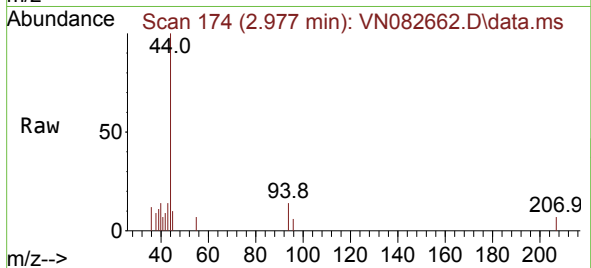




#5
Bromomethane
Concen: 0.562 ug/l
RT: 2.977 min Scan# 11
Delta R.T. 0.030 min
Lab File: VN082662.D
Acq: 20 Jun 2024 12:45

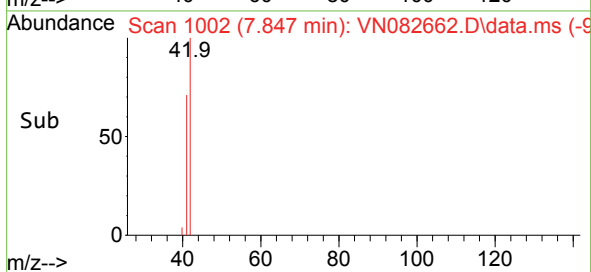
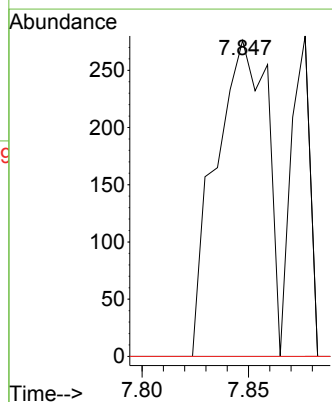
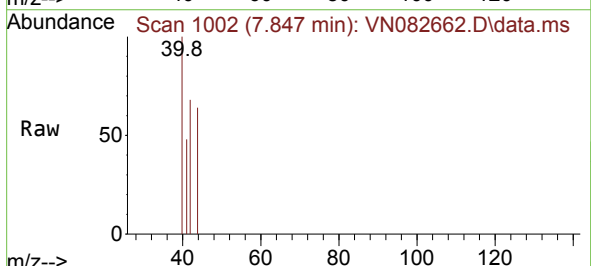
Instrument :
MSVOA_N
ClientSampleId :

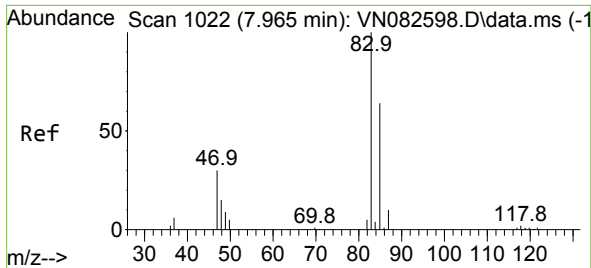
Tgt Ion: 94 Resp: 785
Ion Ratio Lower Upper
94 100
96 44.4 78.0 117.0#



#29
Tetrahydrofuran
Concen: 0.538 ug/l
RT: 7.847 min Scan# 1002
Delta R.T. 0.006 min
Lab File: VN082662.D
Acq: 20 Jun 2024 12:45

Tgt Ion: 42 Resp: 465
Ion Ratio Lower Upper
42 100
72 0.0 30.0 45.0#
71 0.0 28.3 42.5#

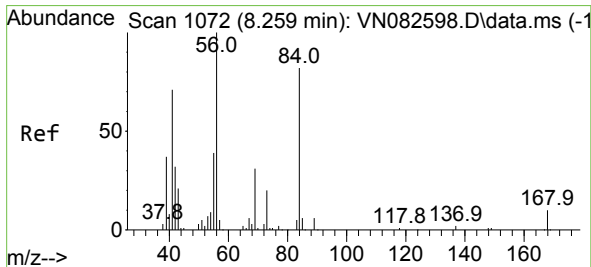
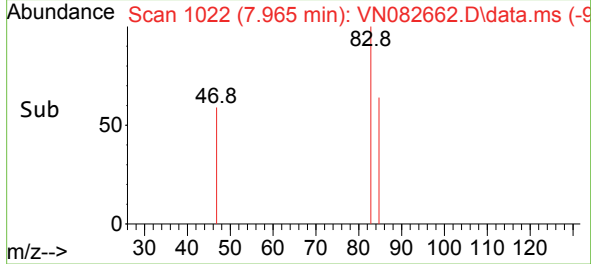
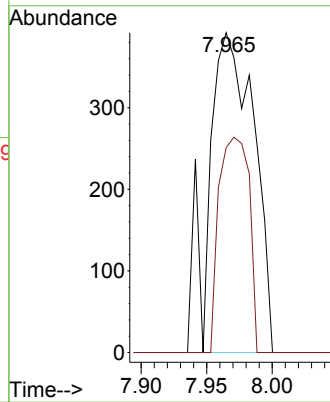
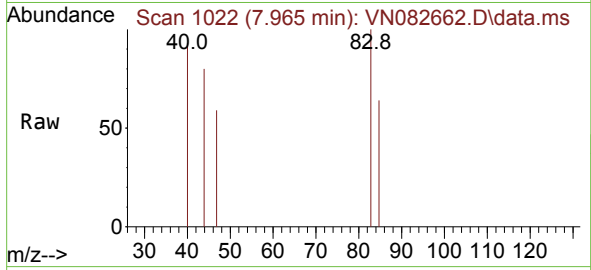




#30
Chloroform
Concen: 0.286 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. 0.000 min
Lab File: VN082662.D
Acq: 20 Jun 2024 12:45

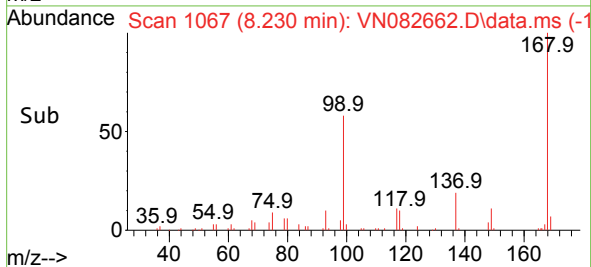
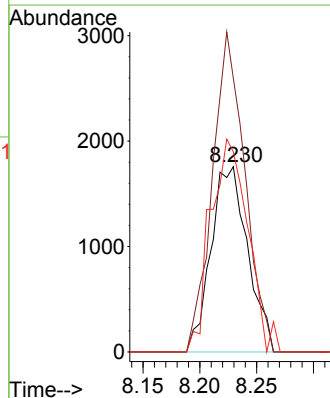
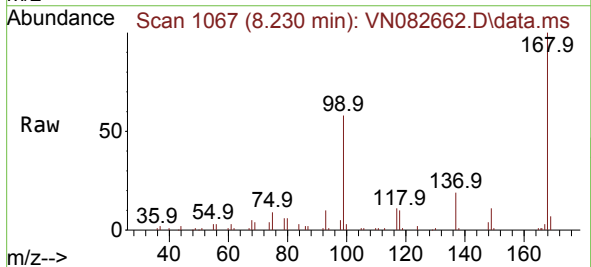
Instrument :
MSVOA_N
ClientSampleId :

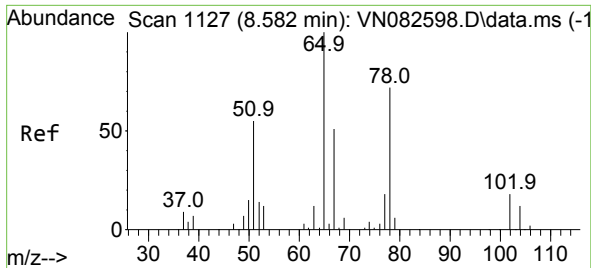
Tgt Ion: 83 Resp: 941
Ion Ratio Lower Upper
83 100
85 64.0 50.9 76.3



#31
Cyclohexane
Concen: 1.253 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.029 min
Lab File: VN082662.D
Acq: 20 Jun 2024 12:45

Tgt Ion: 56 Resp: 3954
Ion Ratio Lower Upper
56 100
69 147.8 24.5 36.7#
84 108.0 66.0 99.0#

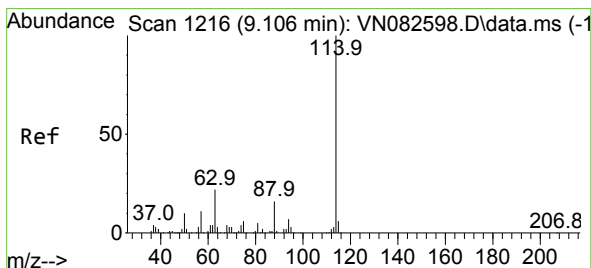
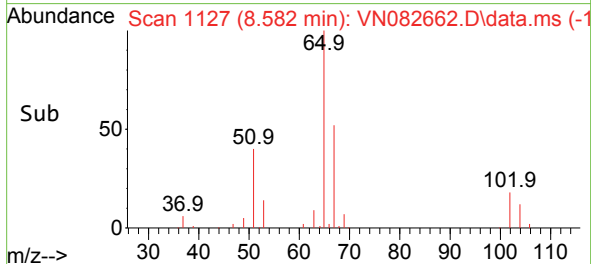
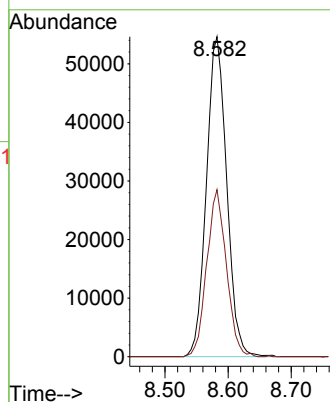
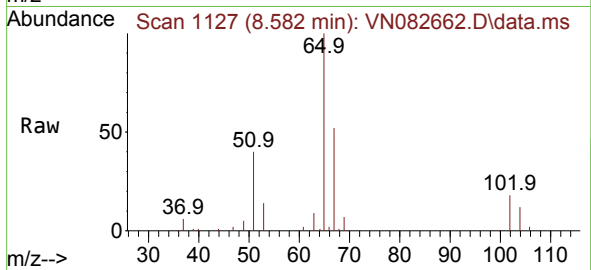




#33
 1,2-Dichloroethane-d4
 Concen: 55.756 ug/l
 RT: 8.582 min Scan# 1127
 Delta R.T. 0.000 min
 Lab File: VN082662.D
 Acq: 20 Jun 2024 12:45

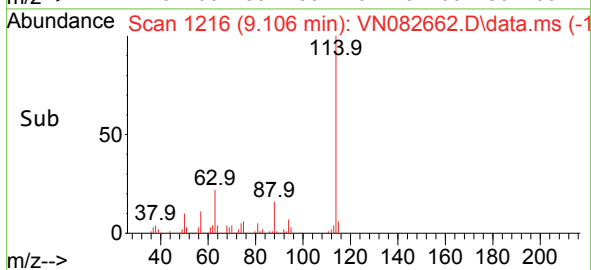
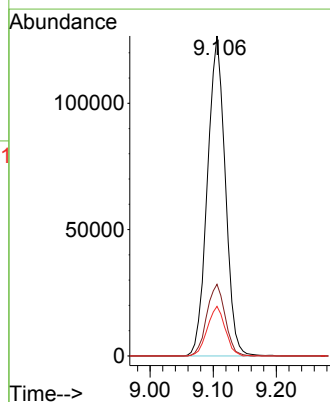
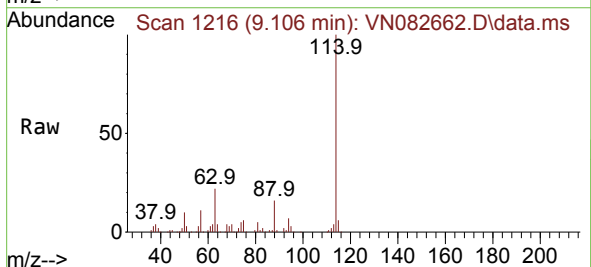
Instrument :
 MSVOA_N
 ClientSampleId :

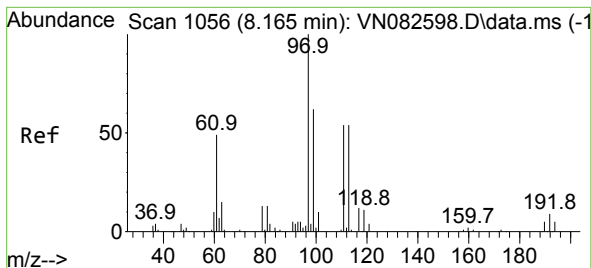
Tgt Ion: 65 Resp: 121866
 Ion Ratio Lower Upper
 65 100
 67 50.6 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.106 min Scan# 1216
 Delta R.T. 0.000 min
 Lab File: VN082662.D
 Acq: 20 Jun 2024 12:45

Tgt Ion: 114 Resp: 248487
 Ion Ratio Lower Upper
 114 100
 63 22.4 0.0 44.6
 88 15.5 0.0 31.4





#35

Dibromofluoromethane

Concen: 53.851 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.006 min

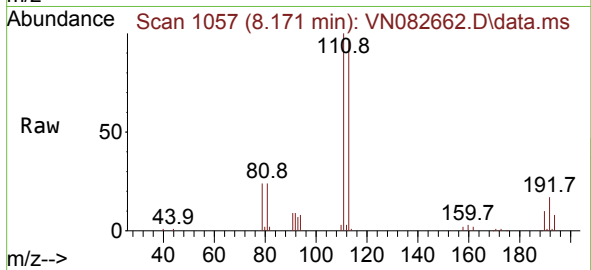
Lab File: VN082662.D

Acq: 20 Jun 2024 12:45

Instrument :

MSVOA_N

ClientSampleId :



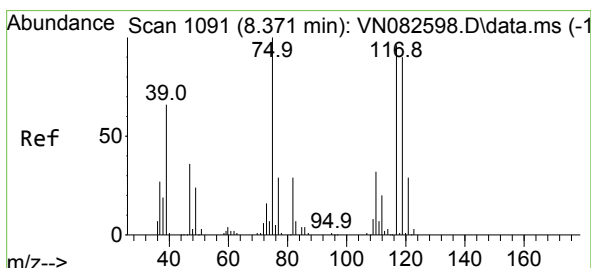
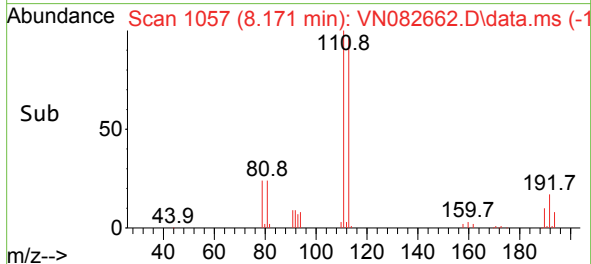
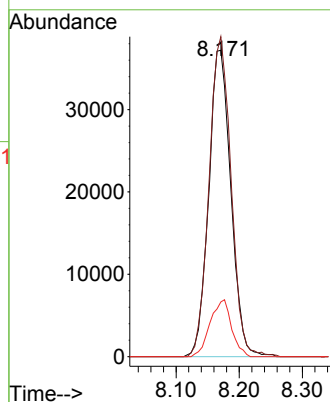
Tgt Ion:113 Resp: 90778

Ion Ratio Lower Upper

113 100

111 103.7 82.4 123.6

192 18.0 14.9 22.3



#36

1,1-Dichloropropene

Concen: 4.959 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.141 min

Lab File: VN082662.D

Acq: 20 Jun 2024 12:45

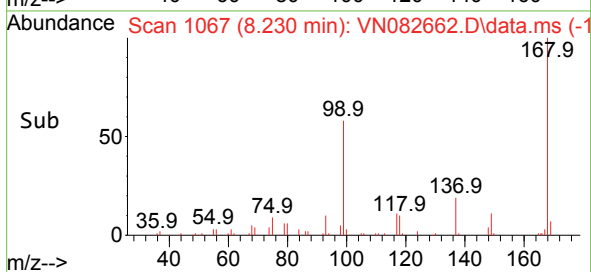
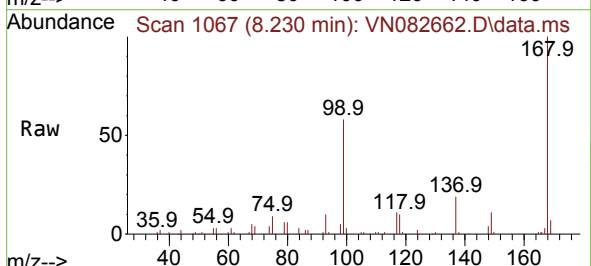
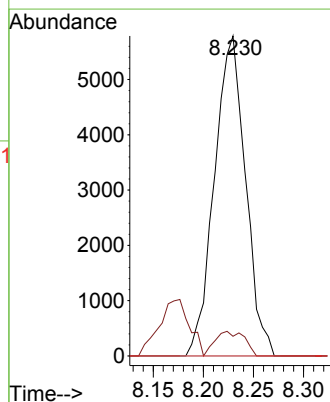
Tgt Ion: 75 Resp: 12497

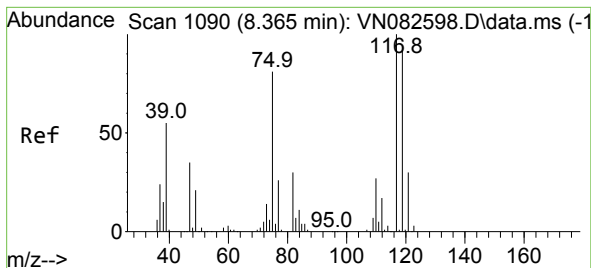
Ion Ratio Lower Upper

75 100

110 7.3 16.3 48.9#

77 0.0 24.6 37.0#





#38

Carbon Tetrachloride

Concen: 5.220 ug/l

RT: 8.230 min Scan# 1107

Delta R.T. -0.135 min

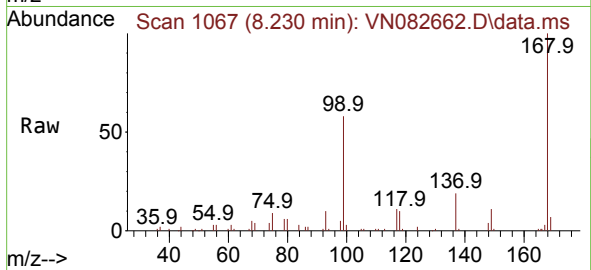
Lab File: VN082662.D

Acq: 20 Jun 2024 12:45

Instrument :

MSVOA_N

ClientSampleId :



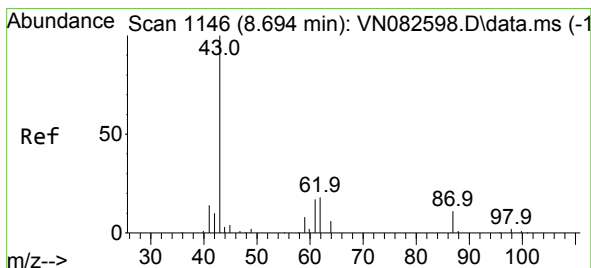
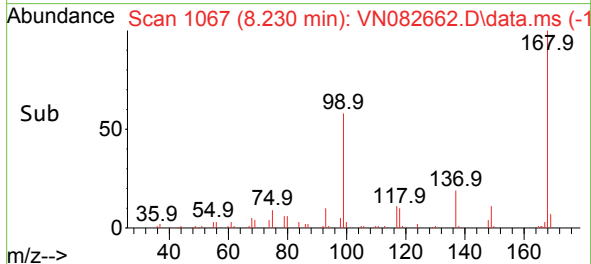
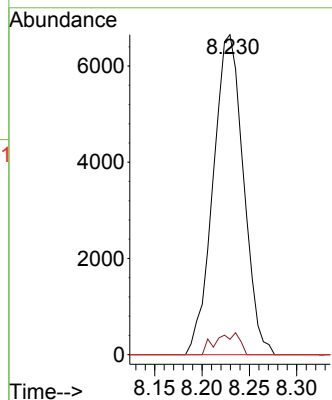
Tgt Ion:117 Resp: 14823

Ion Ratio Lower Upper

117 100

119 4.8 74.9 112.3#

121 0.0 24.3 36.5#



#43

Isopropyl Acetate

Concen: 2.736 ug/l

RT: 8.700 min Scan# 1147

Delta R.T. 0.006 min

Lab File: VN082662.D

Acq: 20 Jun 2024 12:45

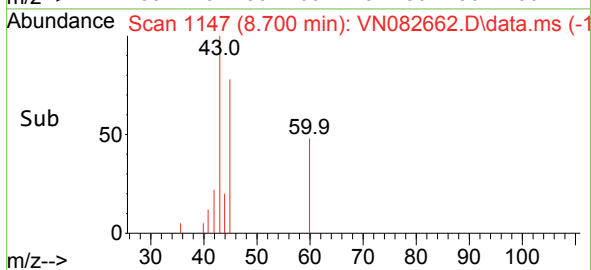
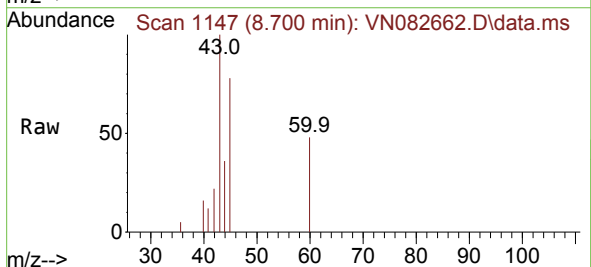
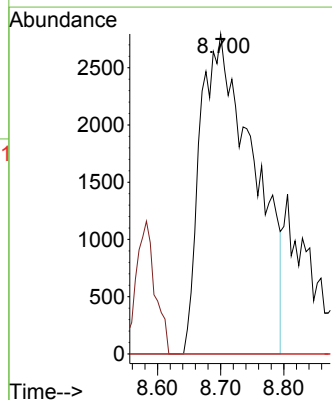
Tgt Ion: 43 Resp: 16412

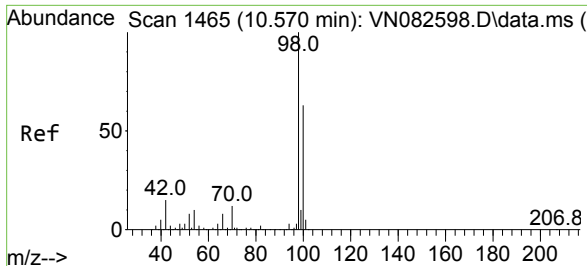
Ion Ratio Lower Upper

43 100

61 0.0 17.8 26.6#

87 0.0 8.2 12.2#

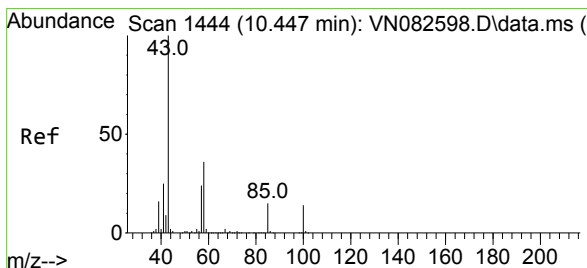
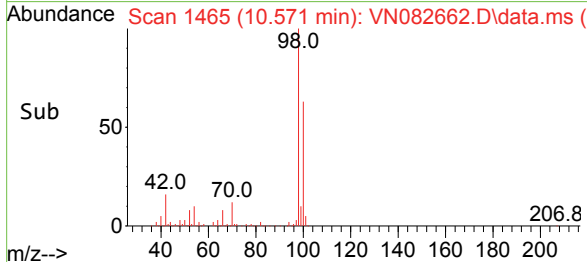
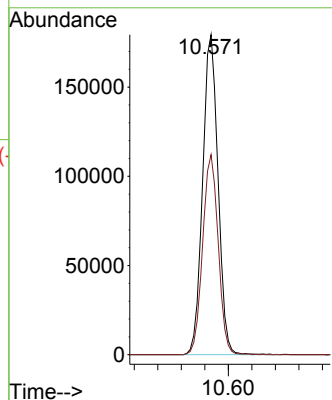
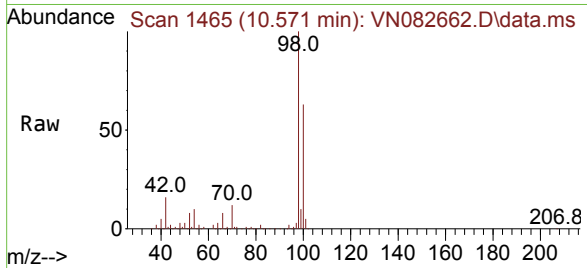




#50
Toluene-d8
Concen: 50.988 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN082662.D
Acq: 20 Jun 2024 12:45

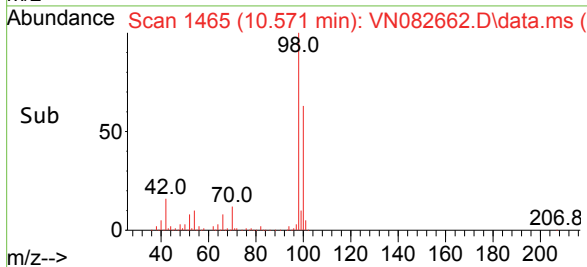
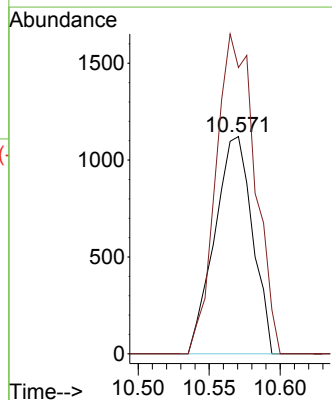
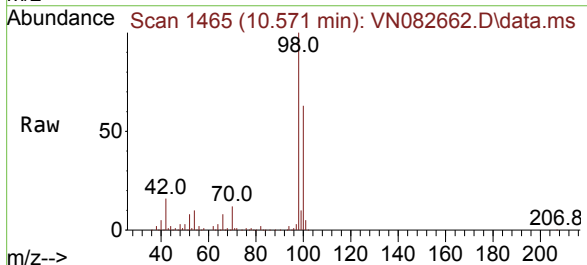
Instrument :
MSVOA_N
ClientSampleId :

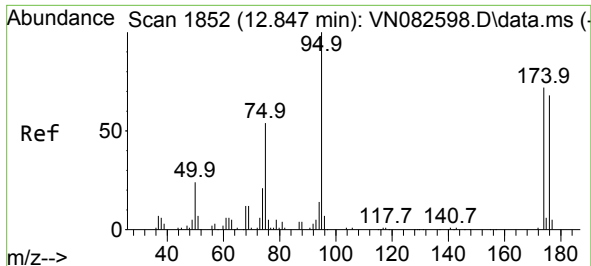
Tgt Ion: 98 Resp: 325038
Ion Ratio Lower Upper
98 100
100 63.1 51.5 77.3



#51
4-Methyl-2-Pentanone
Concen: 0.674 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.124 min
Lab File: VN082662.D
Acq: 20 Jun 2024 12:45

Tgt Ion: 43 Resp: 2073
Ion Ratio Lower Upper
43 100
58 152.3 28.2 42.4#

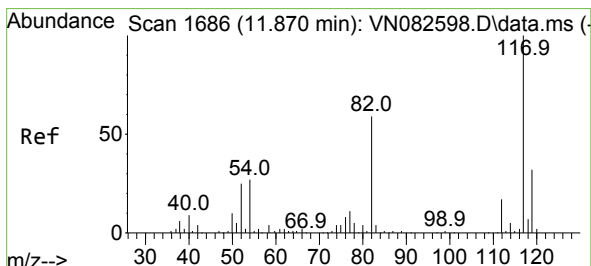
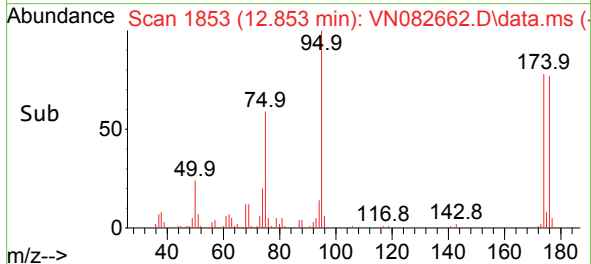
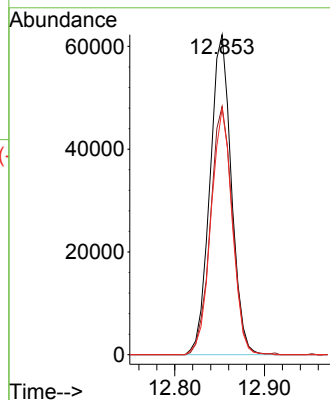
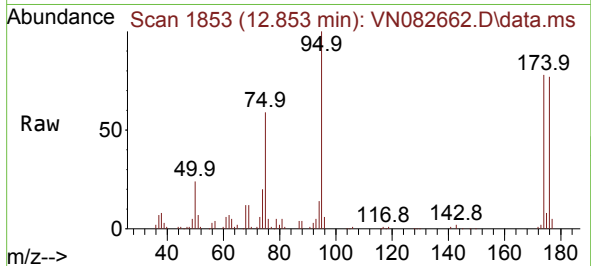




#62
4-Bromofluorobenzene
Concen: 46.929 ug/l
RT: 12.853 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN082662.D
Acq: 20 Jun 2024 12:45

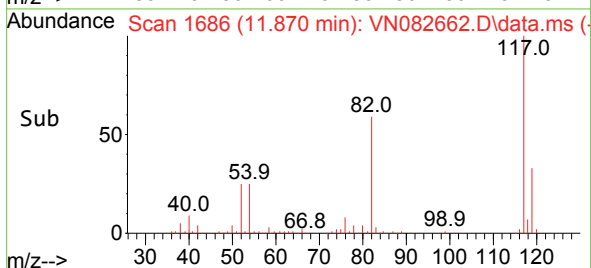
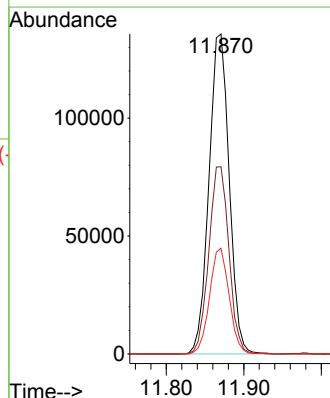
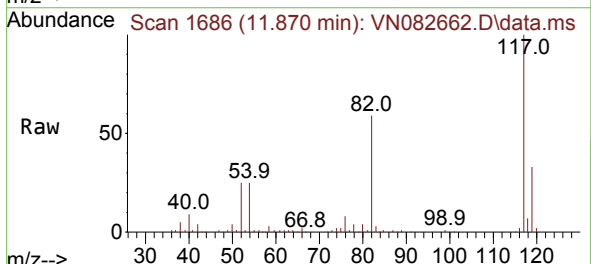
Instrument :
MSVOA_N
ClientSampleId :

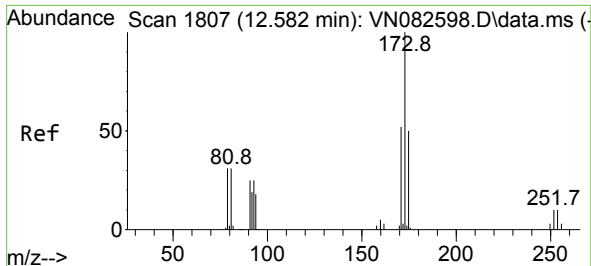
Tgt Ion: 95 Resp: 103141
Ion Ratio Lower Upper
95 100
174 79.9 0.0 159.2
176 76.5 0.0 147.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN082662.D
Acq: 20 Jun 2024 12:45

Tgt Ion: 117 Resp: 245852
Ion Ratio Lower Upper
117 100
82 58.5 47.5 71.3
119 33.0 25.6 38.4

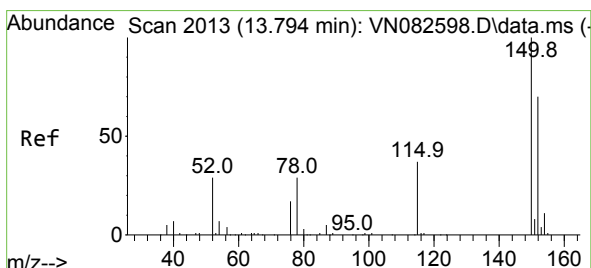
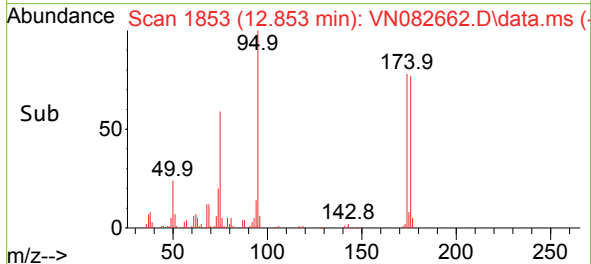
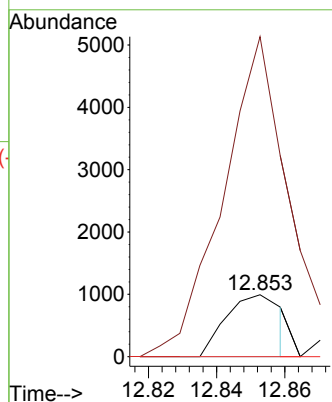
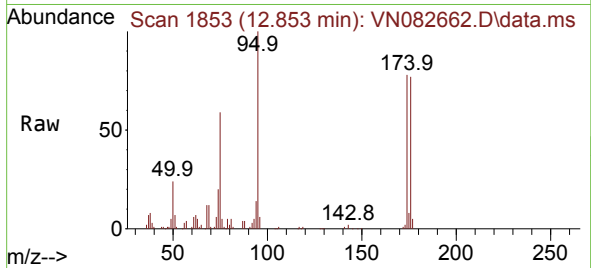




#71
Bromoform
Concen: 0.710 ug/l
RT: 12.853 min Scan# 11
Delta R.T. 0.271 min
Lab File: VN082662.D
Acq: 20 Jun 2024 12:45

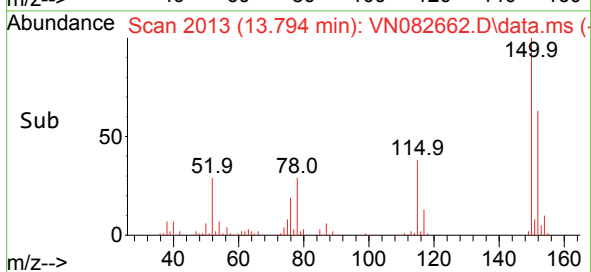
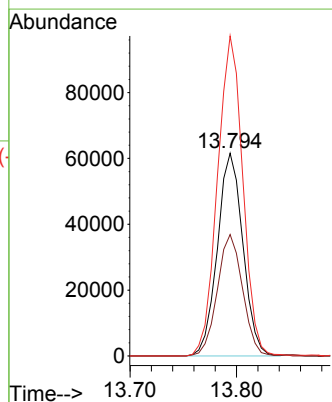
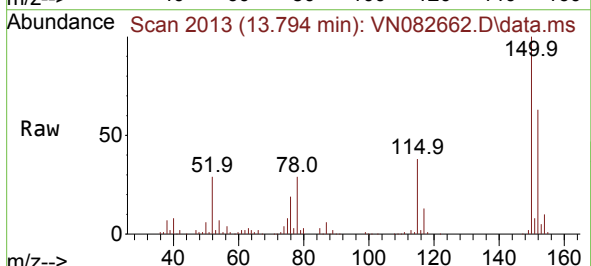
Instrument :
MSVOA_N
ClientSampleId :

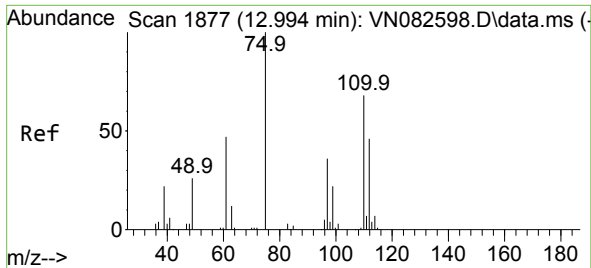
Tgt Ion:173 Resp: 1129
Ion Ratio Lower Upper
173 100
175 517.5 24.0 72.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN082662.D
Acq: 20 Jun 2024 12:45

Tgt Ion:152 Resp: 102270
Ion Ratio Lower Upper
152 100
115 59.4 30.6 91.6
150 157.0 0.0 348.6

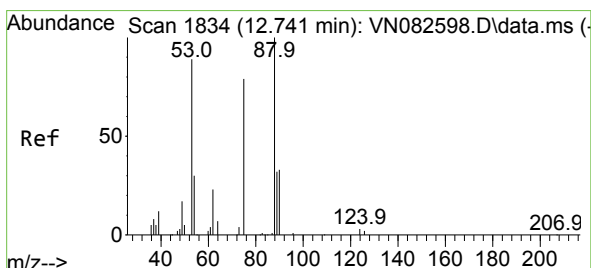
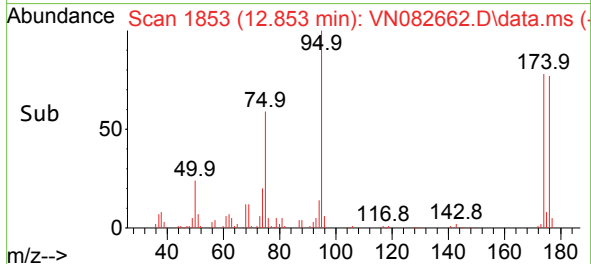
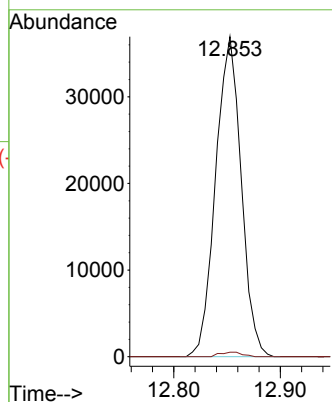
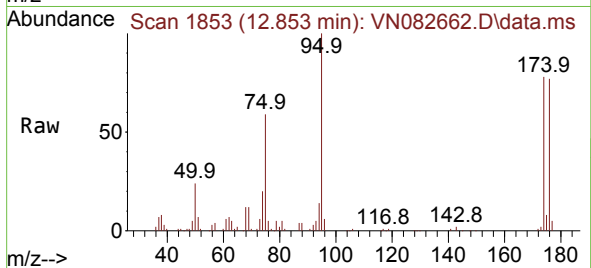




#76
1,2,3-Trichloropropane
Concen: 24.585 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN082662.D
Acq: 20 Jun 2024 12:45

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 61495
Ion Ratio Lower Upper
75 100
77 1.2 110.9 332.6#



#81
trans-1,4-Dichloro-2-butene
Concen: 58.817 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN082662.D
Acq: 20 Jun 2024 12:45

Tgt Ion: 75 Resp: 61495
Ion Ratio Lower Upper
75 100
53 0.0 88.4 132.6#
89 0.0 36.3 54.5#

