

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041924\
 Data File : VN081806.D
 Acq On : 19 Apr 2024 14:05
 Operator : JC\MD
 Sample : P2190-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 19 23:36:50 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N041024W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Apr 11 09:25:01 2024
 Response via : Initial Calibration

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

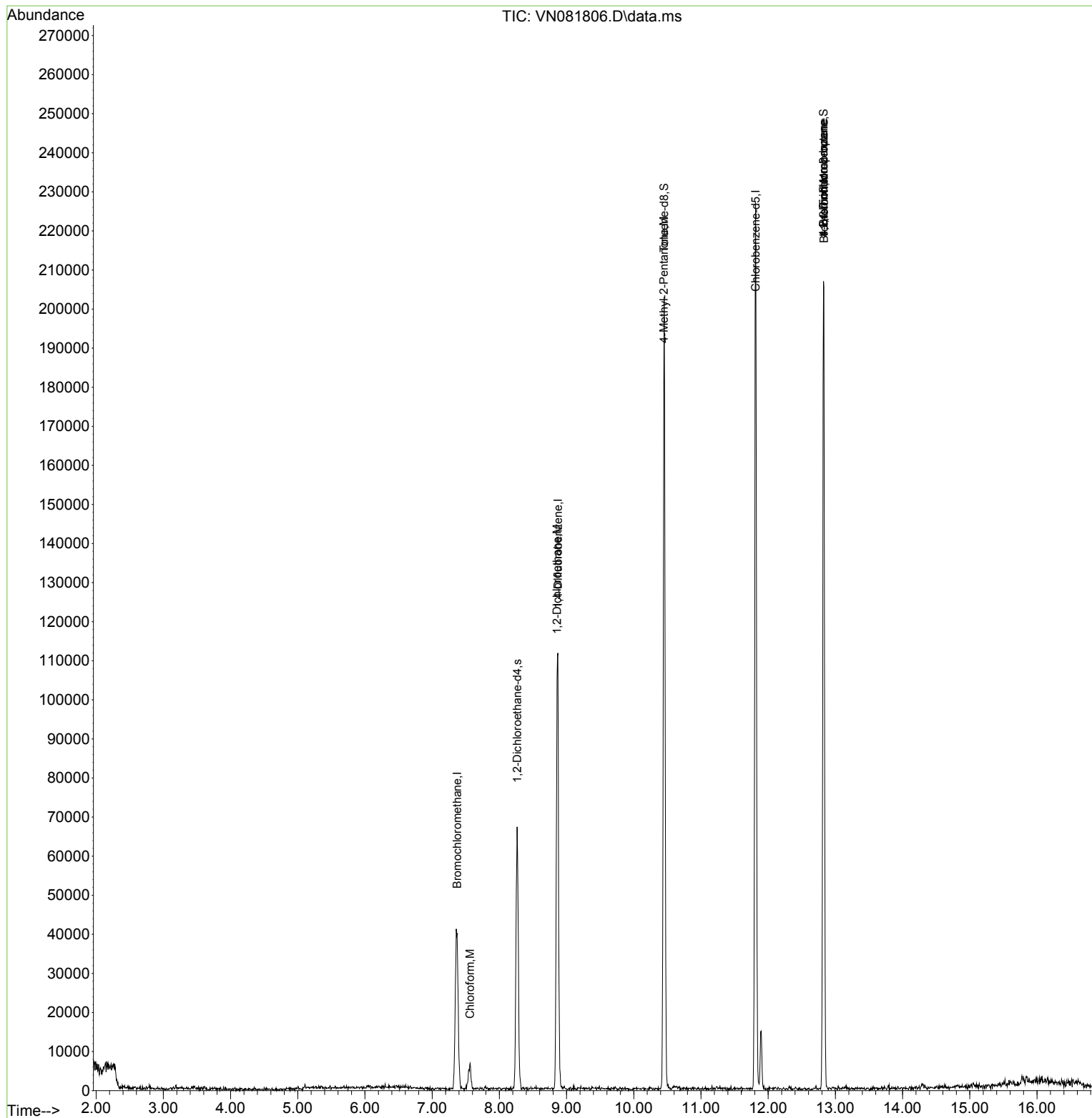
Internal Standards						
1) Bromochloromethane	7.371	128	17225	30.000	ug/l	-0.45
28) 1,4-Difluorobenzene	8.871	114	104206	30.000	ug/l	-0.23
57) Chlorobenzene-d5	11.812	117	129355	30.000	ug/l	-0.05
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.265	65	56266	26.590	ug/l	-0.32
Spiked Amount	30.000	Range	91 - 110	Recovery	=	88.633%#
60) 4-Bromofluorobenzene	12.823	95	68866	27.079	ug/l	-0.02
Spiked Amount	30.000	Range	63 - 112	Recovery	=	90.267%
63) Toluene-d8	10.453	98	141079	27.189	ug/l	-0.11
Spiked Amount	30.000	Range	91 - 112	Recovery	=	90.633%#
Target Compounds						
					Qvalue	
25) Chloroform	7.565	83	6993	1.443	ug/l #	78
36) 1,2-Dichloroethane	8.859	62	2081	0.719	ug/l #	72
56) Bromoform	12.829	173	1209	0.721	ug/l #	1
58) 4-Methyl-2-Pentanone	10.447	43	451	0.203	ug/l #	1
72) 1,2,3-Trichloropropane	12.823	75	39126	16.667	ug/l	1
77) t-1,4-Dichloro-2-butene	12.823	75	39126	40.246	ug/l #	12

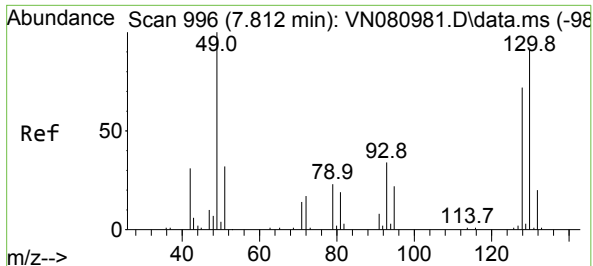
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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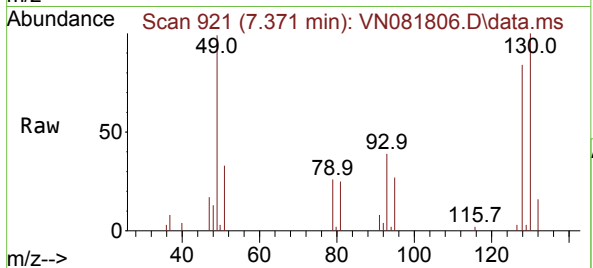
Quant Time: Apr 19 23:36:50 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N041024W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Apr 11 09:25:01 2024
Response via : Initial Calibration



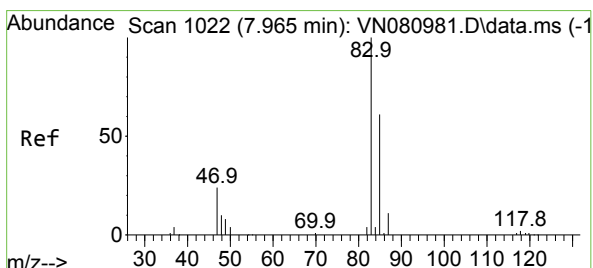
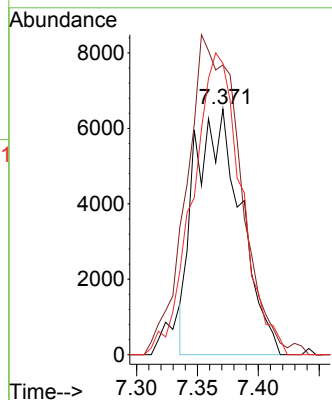
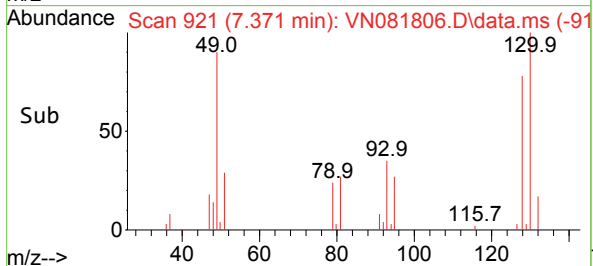


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.371 min Scan# 91
Delta R.T. -0.453 min
Lab File: VN081806.D
Acq: 19 Apr 2024 14:05

Instrument :
MSVOA_N
ClientSampleId :

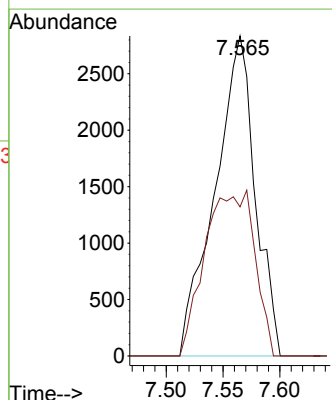
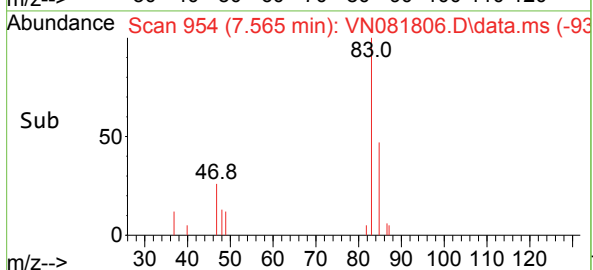
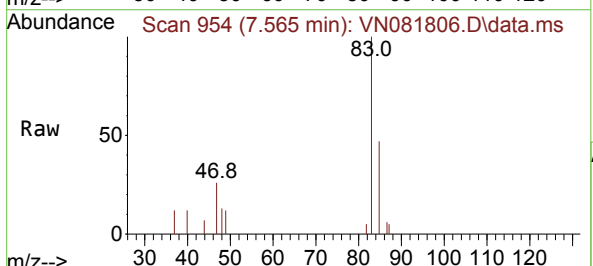


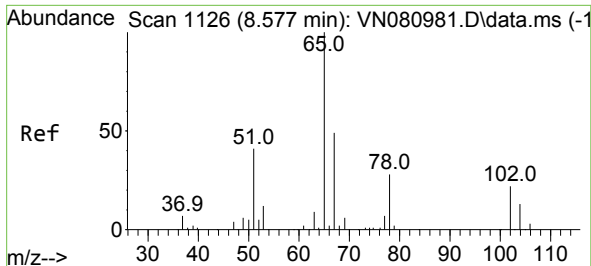
Tgt Ion:128 Resp: 17225
Ion Ratio Lower Upper
128 100
49 36.5 0.0 403.7
130 119.6 0.0 323.3



#25
Chloroform
Concen: 1.443 ug/l
RT: 7.565 min Scan# 954
Delta R.T. -0.406 min
Lab File: VN081806.D
Acq: 19 Apr 2024 14:05

Tgt Ion: 83 Resp: 6993
Ion Ratio Lower Upper
83 100
85 46.6 50.9 76.3#





#27

1,2-Dichloroethane-d4

Concen: 26.590 ug/l

RT: 8.265 min Scan# 110

Delta R.T. -0.318 min

Lab File: VN081806.D

Acq: 19 Apr 2024 14:05

Instrument :

MSVOA_N

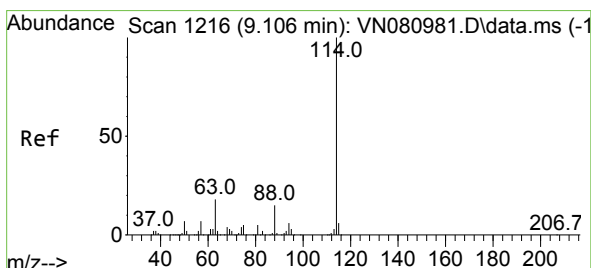
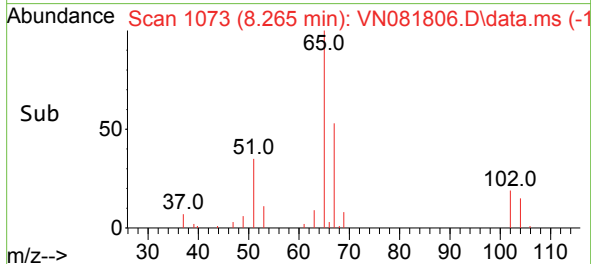
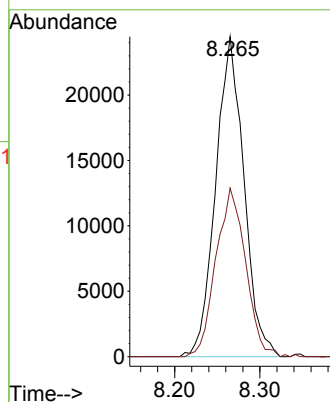
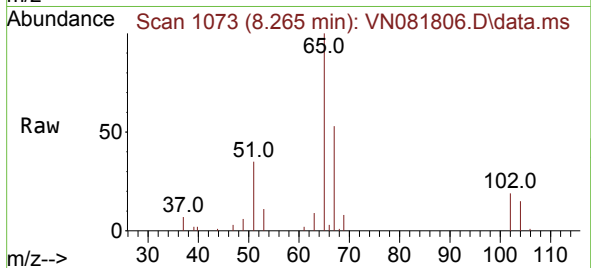
ClientSampleId :

Tgt Ion: 65 Resp: 56266

Ion Ratio Lower Upper

65 100

67 55.0 43.2 64.8



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.871 min Scan# 1176

Delta R.T. -0.229 min

Lab File: VN081806.D

Acq: 19 Apr 2024 14:05

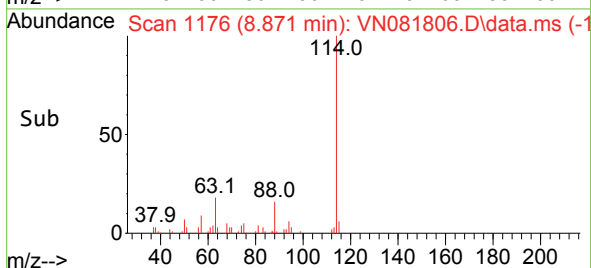
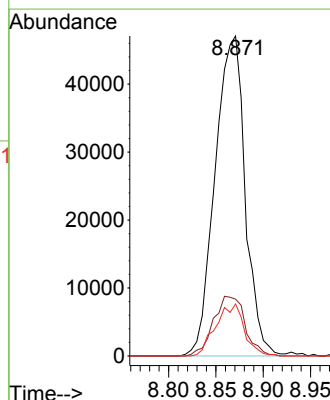
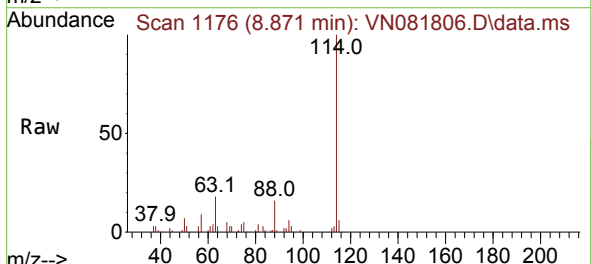
Tgt Ion: 114 Resp: 104206

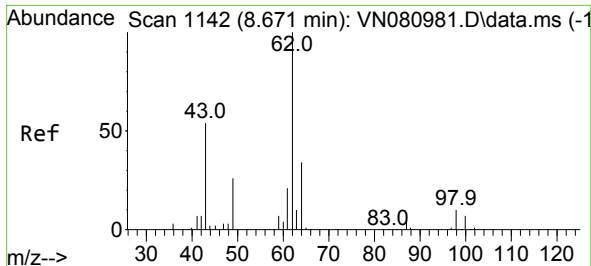
Ion Ratio Lower Upper

114 100

63 19.5 15.9 23.9

88 15.4 12.7 19.1





#36

1,2-Dichloroethane

Concen: 0.719 ug/l

RT: 8.859 min Scan# 1142

Delta R.T. 0.188 min

Lab File: VN081806.D

Acq: 19 Apr 2024 14:05

Instrument :

MSVOA_N

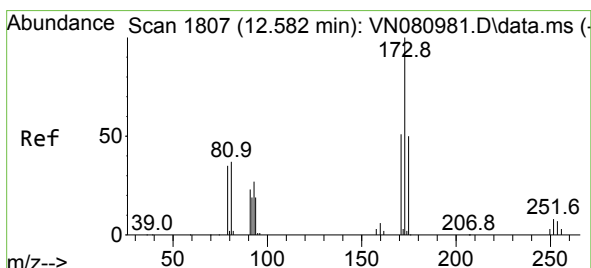
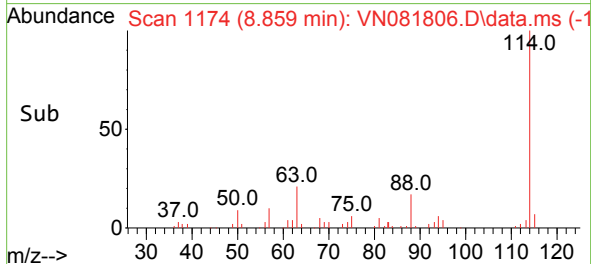
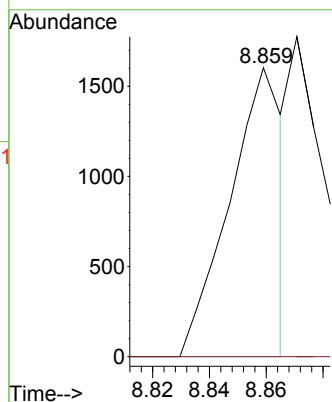
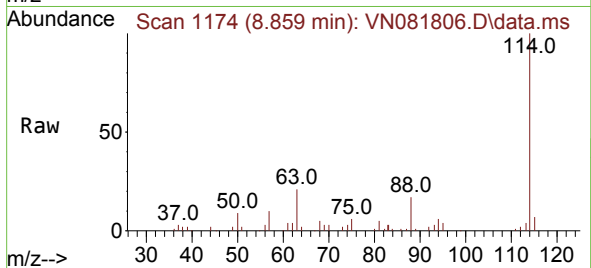
ClientSampleId :

Tgt Ion: 62 Resp: 2081

Ion Ratio Lower Upper

62 100

98 0.0 8.2 12.4#



#56

Bromoform

Concen: 0.721 ug/l

RT: 12.829 min Scan# 1849

Delta R.T. 0.247 min

Lab File: VN081806.D

Acq: 19 Apr 2024 14:05

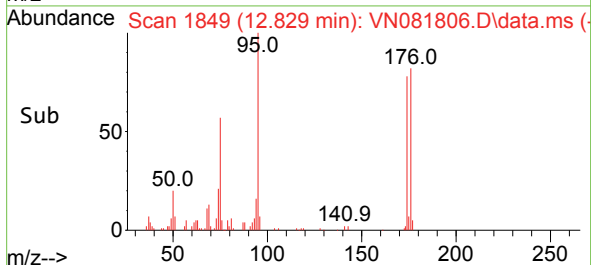
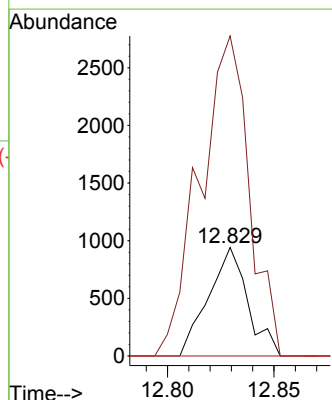
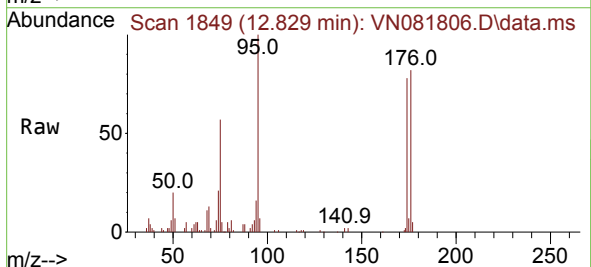
Tgt Ion: 173 Resp: 1209

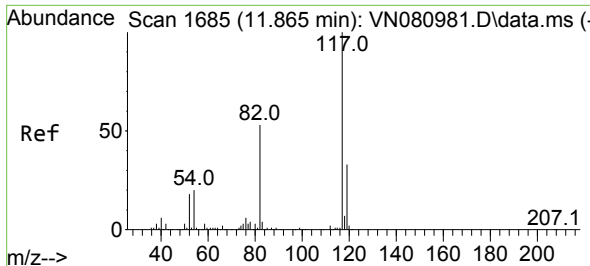
Ion Ratio Lower Upper

173 100

175 370.1 40.0 60.0#

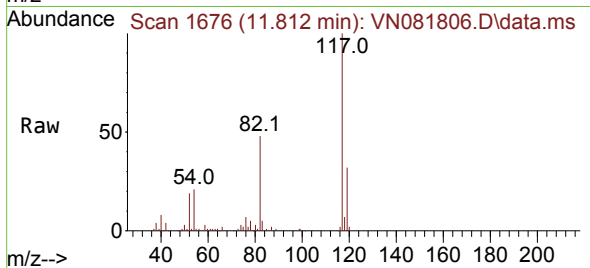
254 0.0 8.3 12.5#



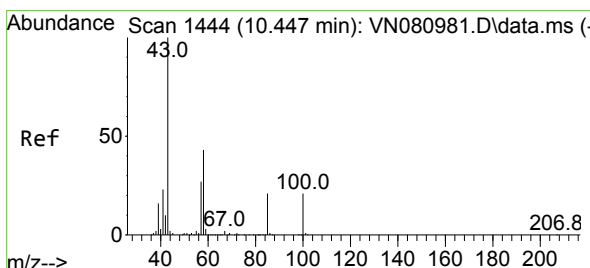
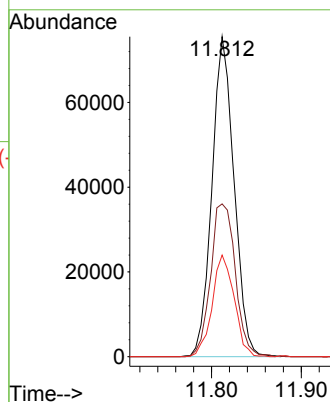
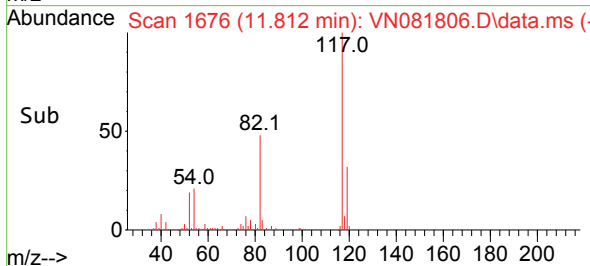


#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.812 min Scan# 117
Delta R.T. -0.053 min
Lab File: VN081806.D
Acq: 19 Apr 2024 14:05

Instrument :
MSVOA_N
ClientSampleId :

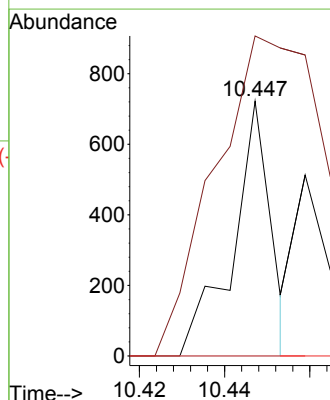
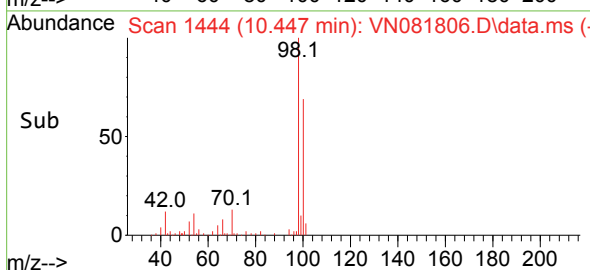
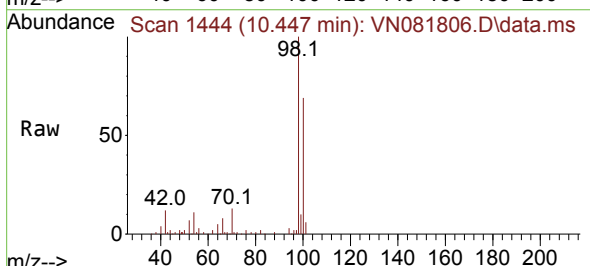


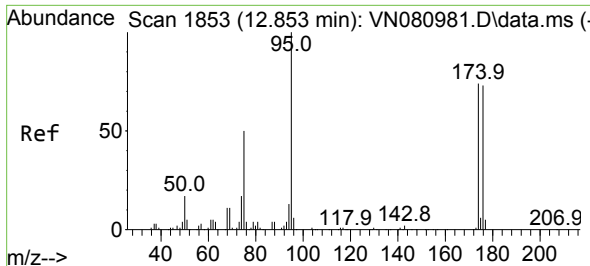
Tgt Ion:117 Resp: 129355
Ion Ratio Lower Upper
117 100
82 53.2 46.6 69.8
119 31.6 25.4 38.2



#58
4-Methyl-2-Pentanone
Concen: 0.203 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN081806.D
Acq: 19 Apr 2024 14:05

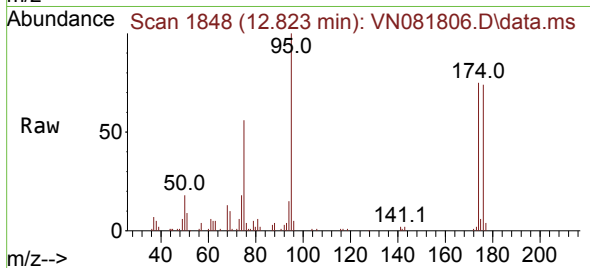
Tgt Ion: 43 Resp: 451
Ion Ratio Lower Upper
43 100
58 392.2 36.5 54.7#
85 0.0 19.5 29.3#



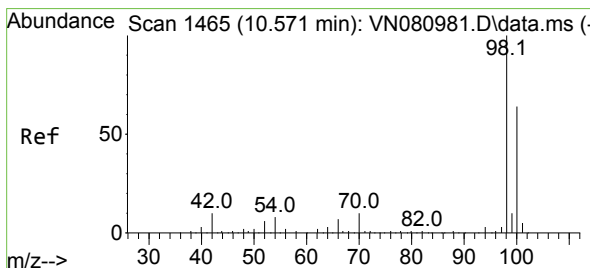
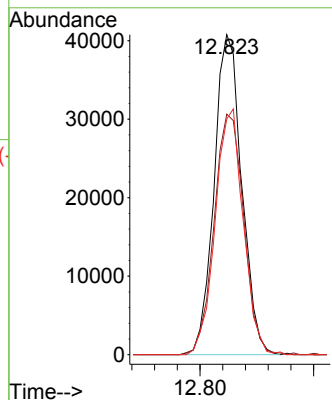
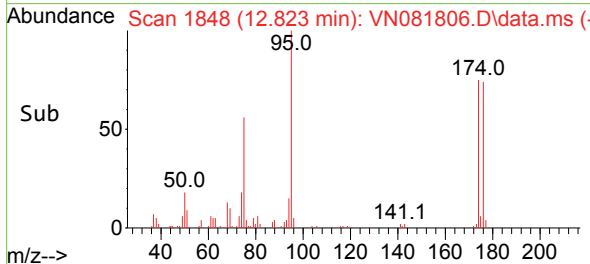


#60
4-Bromofluorobenzene
Concen: 27.079 ug/l
RT: 12.823 min Scan# 11
Delta R.T. -0.023 min
Lab File: VN081806.D
Acq: 19 Apr 2024 14:05

Instrument :
MSVOA_N
ClientSampleId :

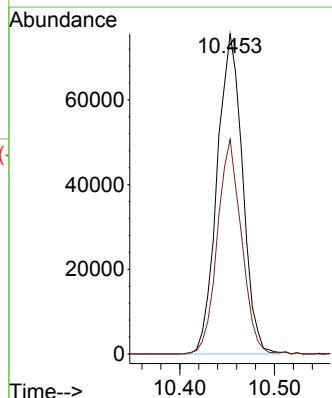
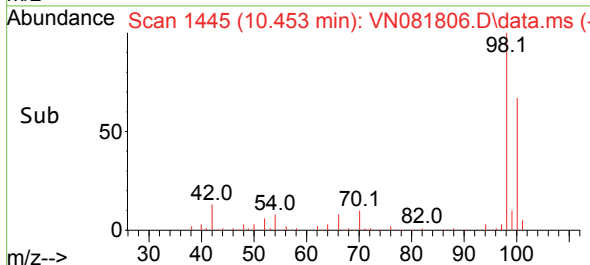
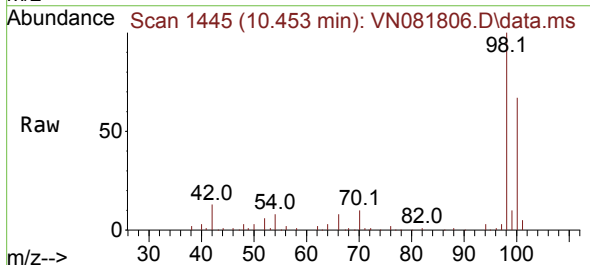


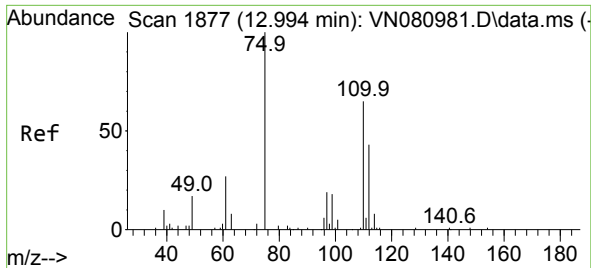
Tgt Ion: 95 Resp: 68866
Ion Ratio Lower Upper
95 100
174 80.7 60.5 90.7
176 77.6 57.8 86.6



#63
Toluene-d8
Concen: 27.189 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. -0.112 min
Lab File: VN081806.D
Acq: 19 Apr 2024 14:05

Tgt Ion: 98 Resp: 141079
Ion Ratio Lower Upper
98 100
100 63.5 52.7 79.1

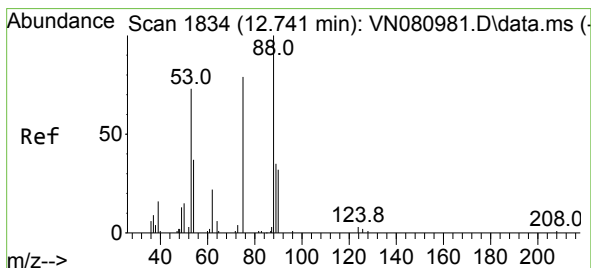
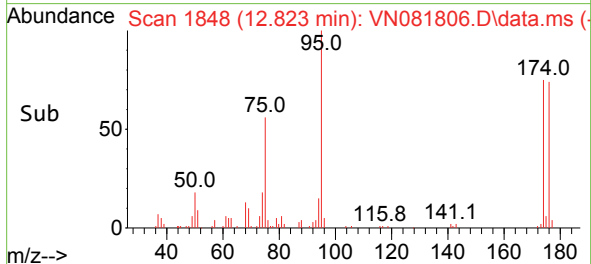
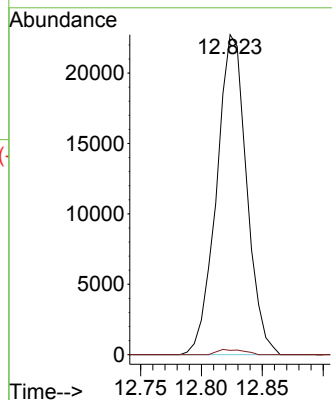
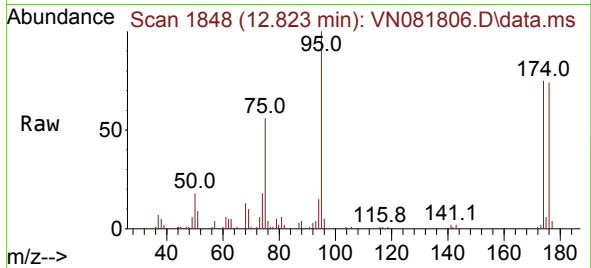




#72
1,2,3-Trichloropropane
Concen: 16.667 ug/l
RT: 12.823 min Scan# 1848
Delta R.T. -0.171 min
Lab File: VN081806.D
Acq: 19 Apr 2024 14:05

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 39126
Ion Ratio Lower Upper
75 100
77 1.4 0.0 367.6



#77
t-1,4-Dichloro-2-butene
Concen: 40.246 ug/l
RT: 12.823 min Scan# 1848
Delta R.T. 0.082 min
Lab File: VN081806.D
Acq: 19 Apr 2024 14:05

Tgt Ion: 75 Resp: 39126
Ion Ratio Lower Upper
75 100
53 0.0 45.9 137.7#
89 0.0 25.9 77.7#

