

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092624\
 Data File : VN084190.D
 Acq On : 26 Sep 2024 20:40
 Operator : JC\MD
 Sample : P4189-02 5X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 27 01:15:12 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090624W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Sep 06 23:42:47 2024
 Response via : Initial Calibration

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

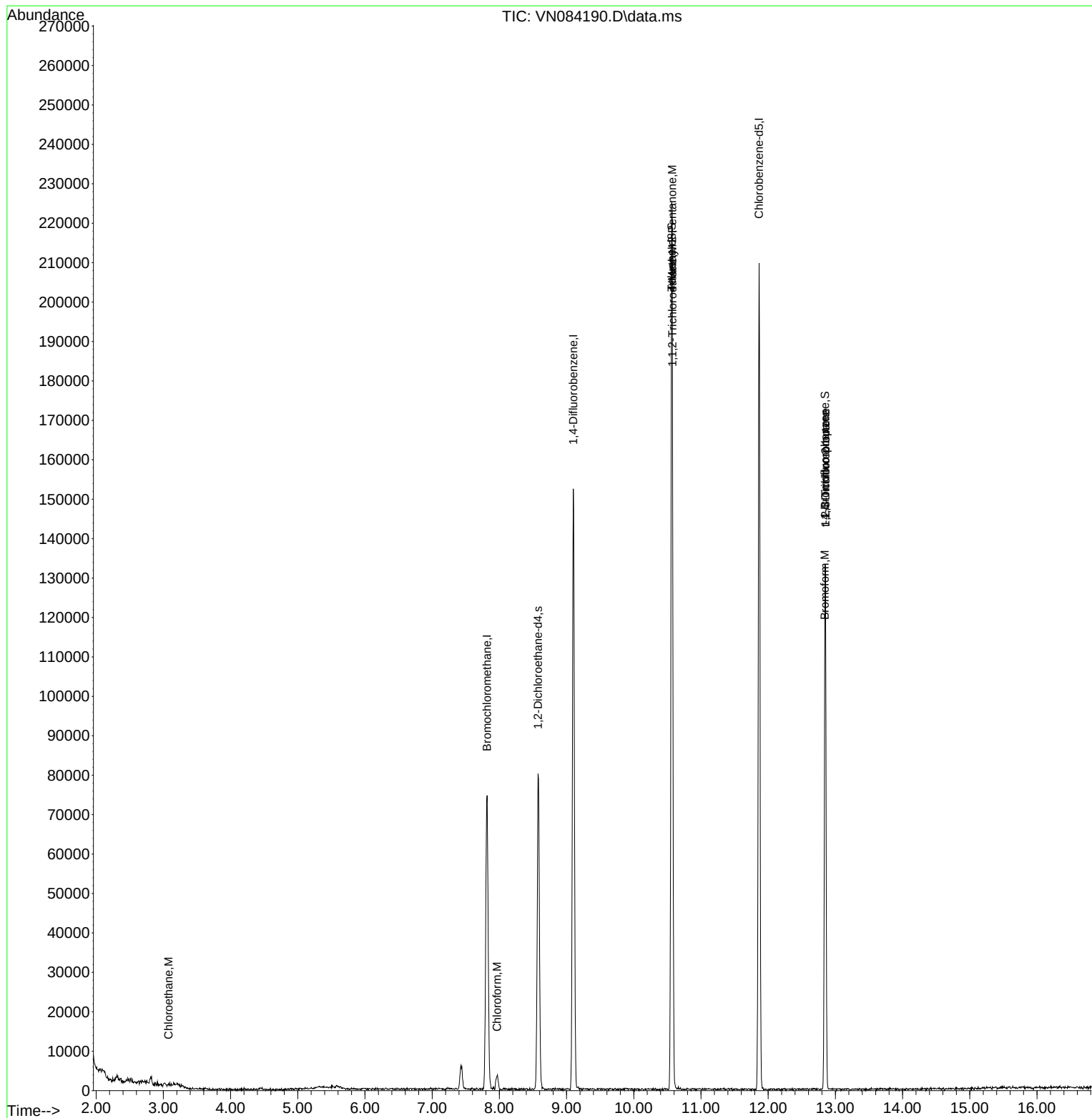
Internal Standards						
1) Bromochloromethane	7.818	128	25928	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	126395	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	116487	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	68213	28.782	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	95.933%
60) 4-Bromofluorobenzene	12.847	95	47499	23.659	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	78.867%
63) Toluene-d8	10.565	98	159432	29.559	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	98.533%
Target Compounds						
					Qvalue	
6) Chloroethane	3.077	64	560	0.451	ug/l #	41
25) Chloroform	7.965	83	3850	1.115	ug/l	91
50) 1,1,2-Trichloroethane	10.576	97	5203	3.863	ug/l #	1
56) Bromoform	12.841	173	240	0.234	ug/l #	1
58) 4-Methyl-2-Pentanone	10.571	43	799	0.433	ug/l #	1
72) 1,2,3-Trichloropropane	12.853	75	25861	15.094	ug/l	1
77) t-1,4-Dichloro-2-butene	12.853	75	25861	35.710	ug/l #	12

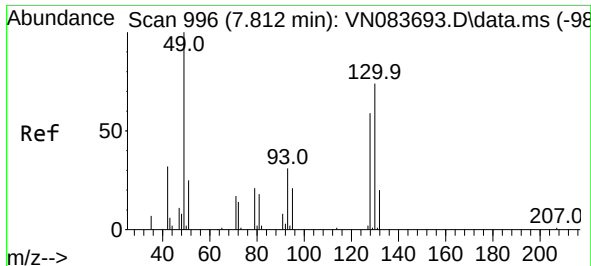
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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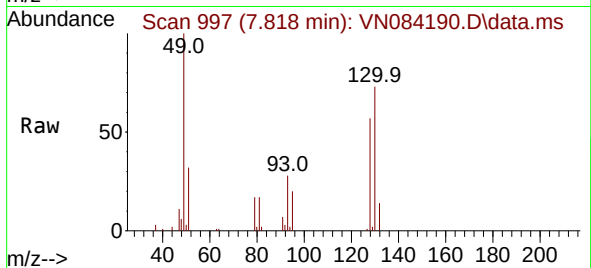
Quant Time: Sep 27 01:15:12 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090624W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Sep 06 23:42:47 2024
Response via : Initial Calibration



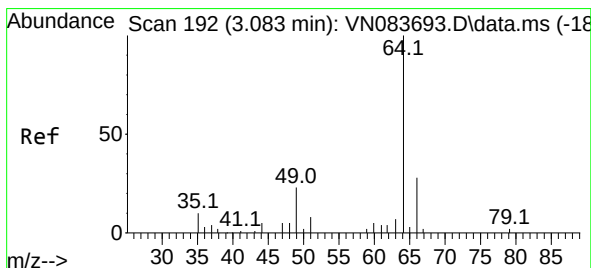
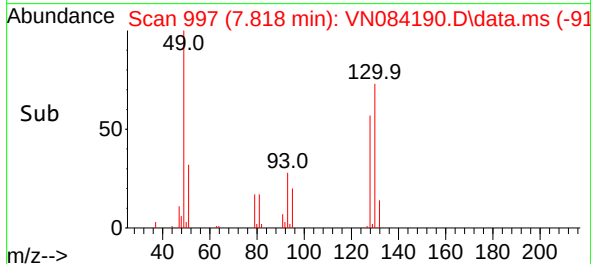
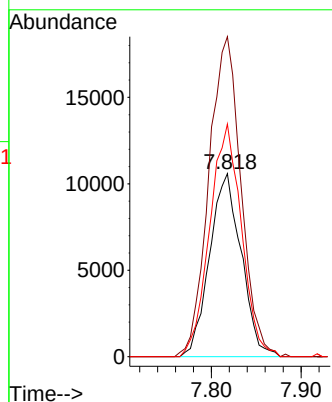


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.818 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN084190.D
Acq: 26 Sep 2024 20:40

Instrument :
MSVOA_N
ClientSampleId :

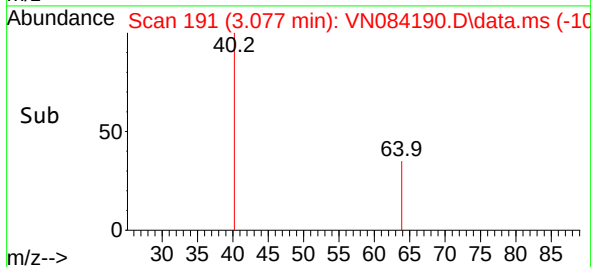
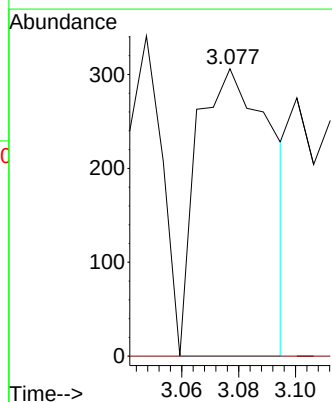
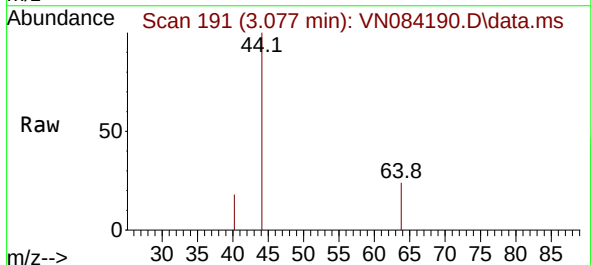


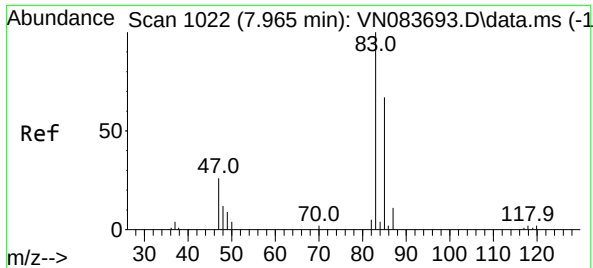
Tgt Ion:128 Resp: 25928
Ion Ratio Lower Upper
128 100
49 177.6 0.0 403.7
130 127.5 0.0 323.3



#6
Chloroethane
Concen: 0.451 ug/l
RT: 3.077 min Scan# 191
Delta R.T. -0.006 min
Lab File: VN084190.D
Acq: 26 Sep 2024 20:40

Tgt Ion: 64 Resp: 560
Ion Ratio Lower Upper
64 100
66 0.0 26.7 40.1#

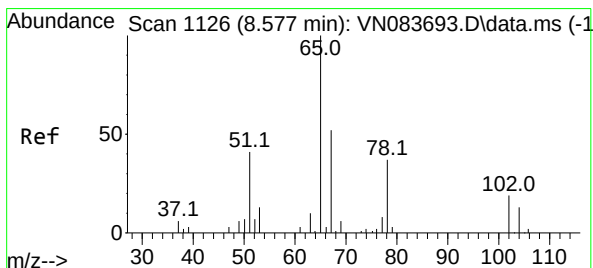
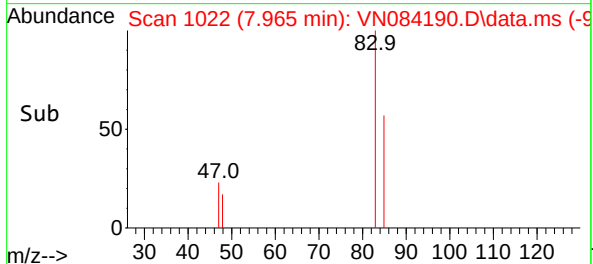
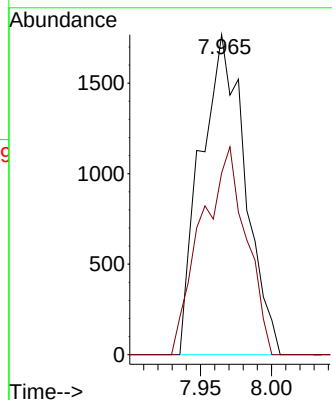
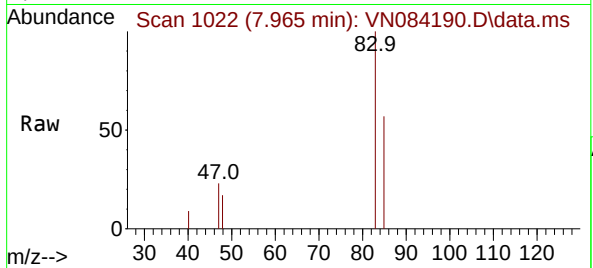




#25
Chloroform
Concen: 1.115 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. 0.000 min
Lab File: VN084190.D
Acq: 26 Sep 2024 20:40

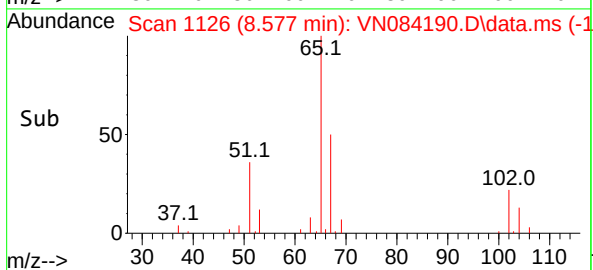
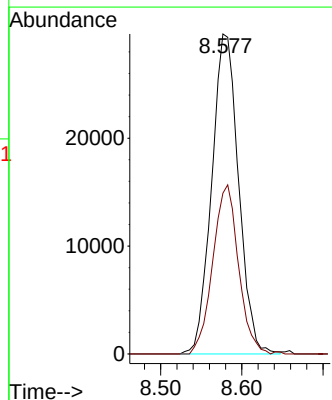
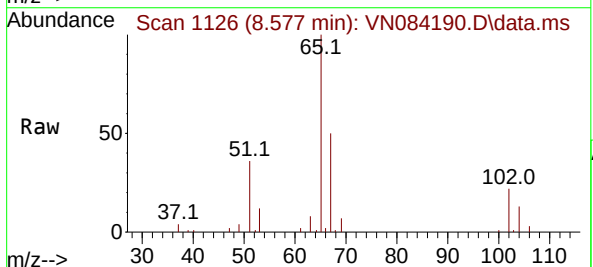
Instrument :
MSVOA_N
ClientSampleId :

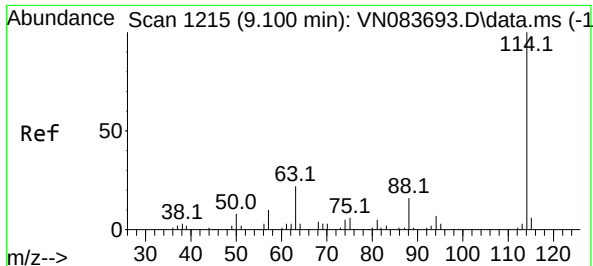
Tgt Ion: 83 Resp: 3850
Ion Ratio Lower Upper
83 100
85 56.8 50.9 76.3



#27
1,2-Dichloroethane-d4
Concen: 28.782 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN084190.D
Acq: 26 Sep 2024 20:40

Tgt Ion: 65 Resp: 68213
Ion Ratio Lower Upper
65 100
67 50.5 43.2 64.8

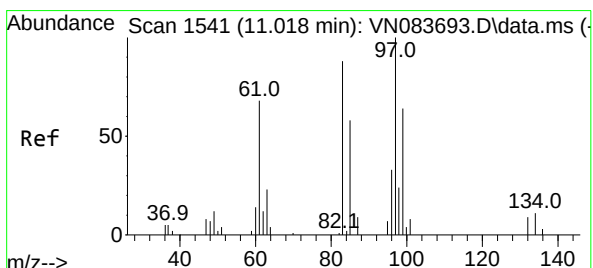
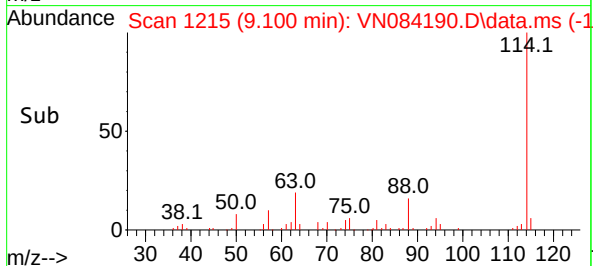
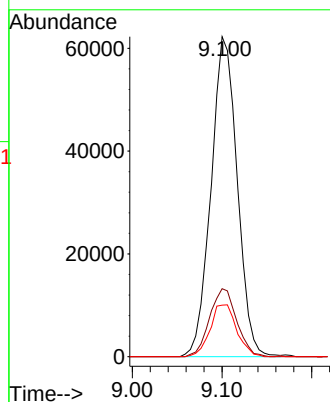
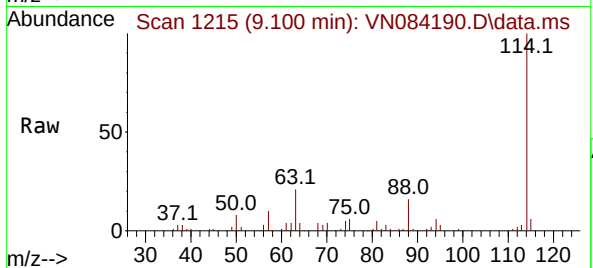




#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 9.100 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VN084190.D
 Acq: 26 Sep 2024 20:40

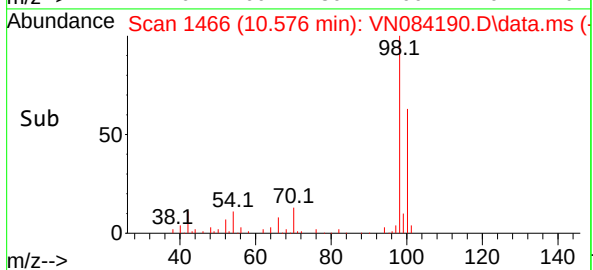
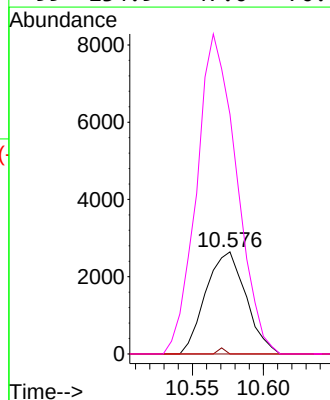
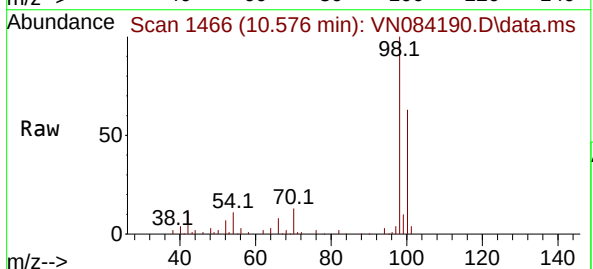
Instrument :
 MSVOA_N
 ClientSampleId :

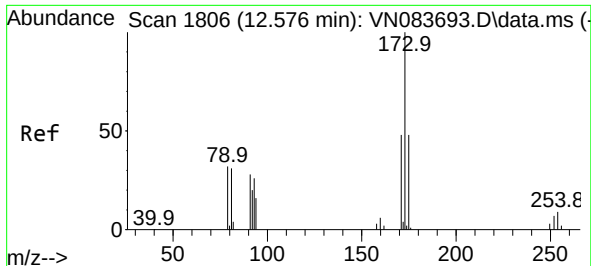
Tgt Ion:114 Resp: 126395
 Ion Ratio Lower Upper
 114 100
 63 21.9 15.9 23.9
 88 16.5 12.7 19.1



#50
 1,1,2-Trichloroethane
 Concen: 3.863 ug/l
 RT: 10.576 min Scan# 1466
 Delta R.T. -0.441 min
 Lab File: VN084190.D
 Acq: 26 Sep 2024 20:40

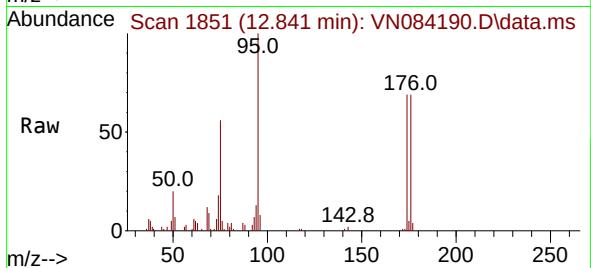
Tgt Ion: 97 Resp: 5203
 Ion Ratio Lower Upper
 97 100
 83 0.0 68.1 102.1#
 85 0.0 41.8 62.6#
 99 234.9 47.0 70.4#



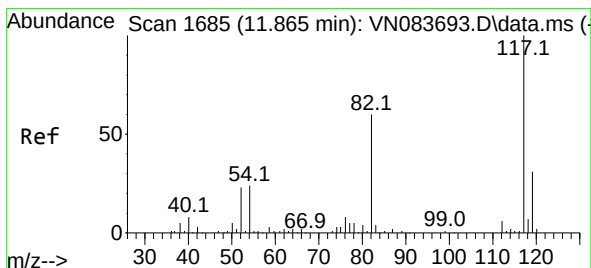
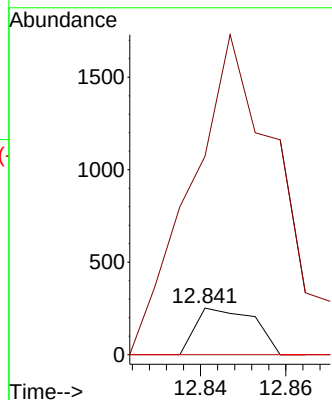
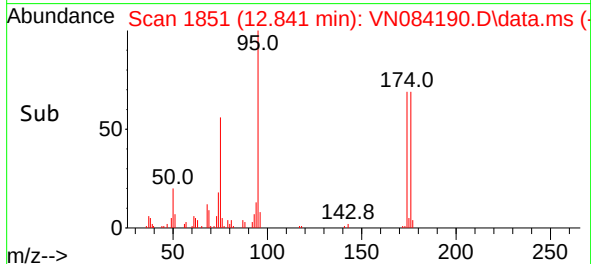


#56
Bromoform
Concen: 0.234 ug/l
RT: 12.841 min Scan# 1851
Delta R.T. 0.265 min
Lab File: VN084190.D
Acq: 26 Sep 2024 20:40

Instrument :
MSVOA_N
ClientSampleId :

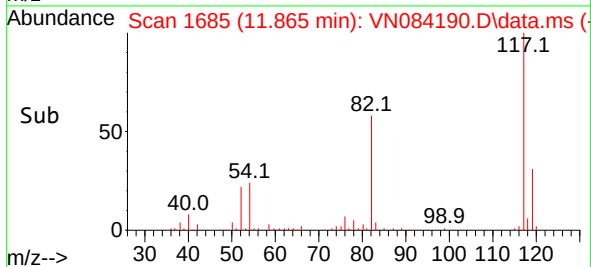
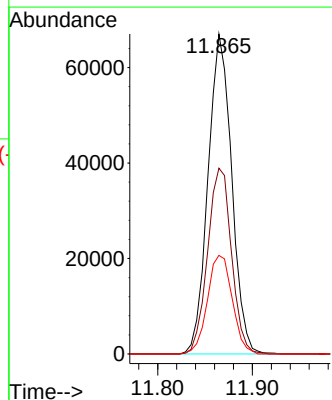
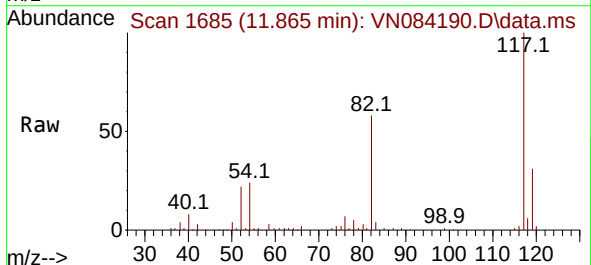


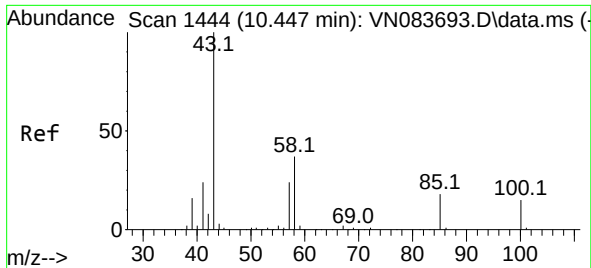
Tgt Ion:173 Resp: 240
Ion Ratio Lower Upper
173 100
175 1022.5 40.0 60.0#
254 0.0 8.3 12.5#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN084190.D
Acq: 26 Sep 2024 20:40

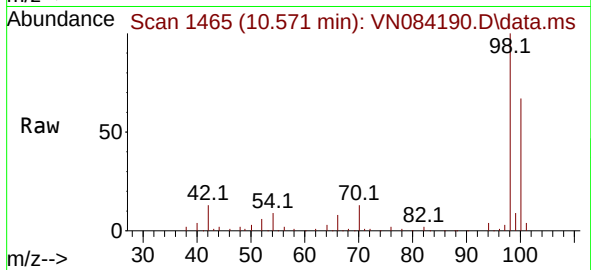
Tgt Ion:117 Resp: 116487
Ion Ratio Lower Upper
117 100
82 58.6 46.6 69.8
119 32.2 25.4 38.2



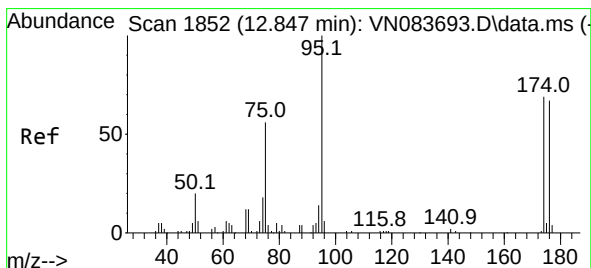
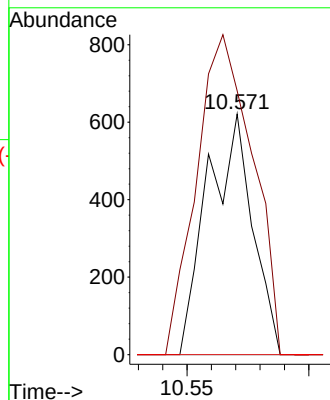
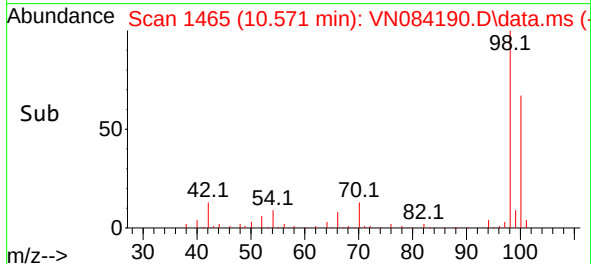


#58
4-Methyl-2-Pentanone
Concen: 0.433 ug/l
RT: 10.571 min Scan# 1444
Delta R.T. 0.124 min
Lab File: VN084190.D
Acq: 26 Sep 2024 20:40

Instrument :
MSVOA_N
ClientSampleId :

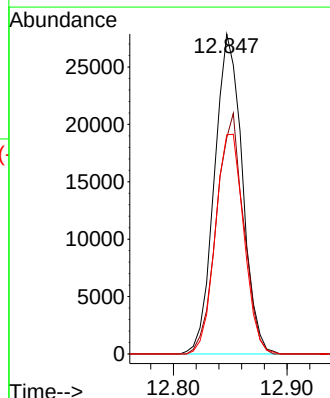
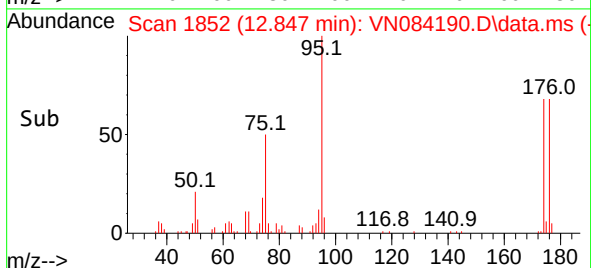
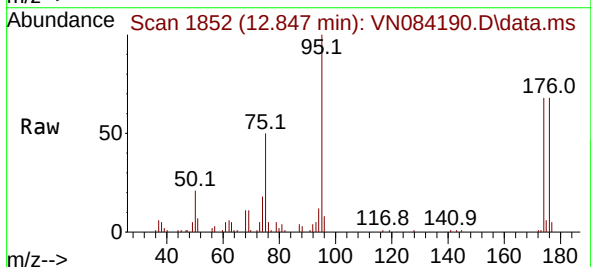


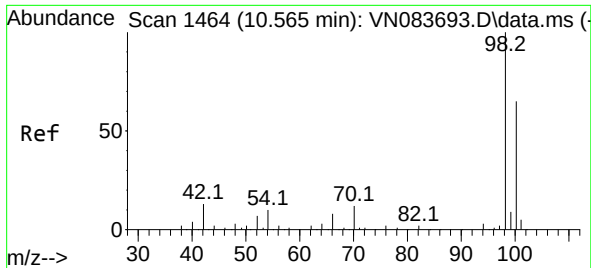
Tgt Ion: 43 Resp: 799
Ion Ratio Lower Upper
43 100
58 165.8 36.5 54.7#
85 0.0 19.5 29.3#



#60
4-Bromofluorobenzene
Concen: 23.659 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084190.D
Acq: 26 Sep 2024 20:40

Tgt Ion: 95 Resp: 47499
Ion Ratio Lower Upper
95 100
174 73.3 60.5 90.7
176 70.4 57.8 86.6

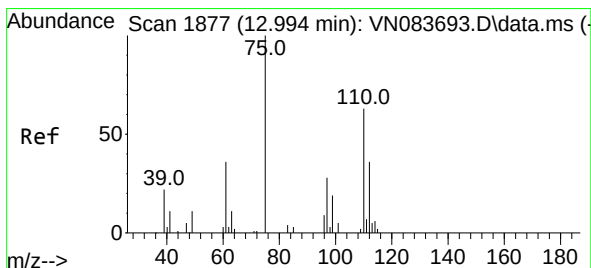
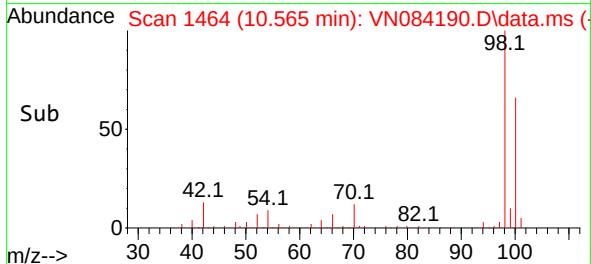
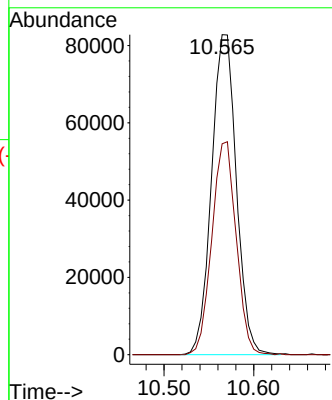
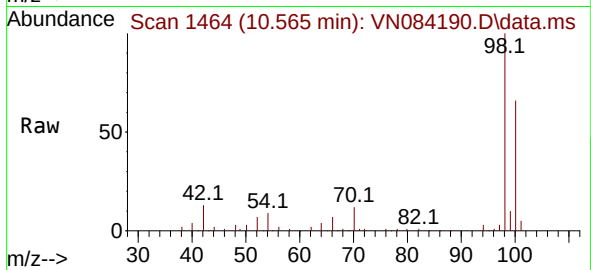




#63
Toluene-d8
Concen: 29.559 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN084190.D
Acq: 26 Sep 2024 20:40

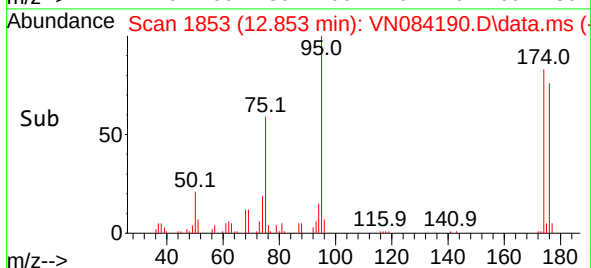
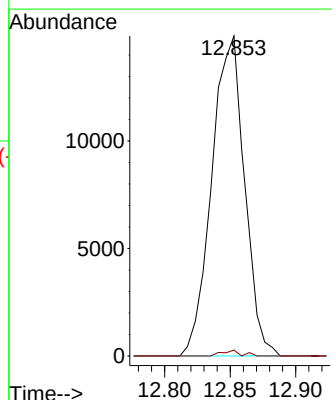
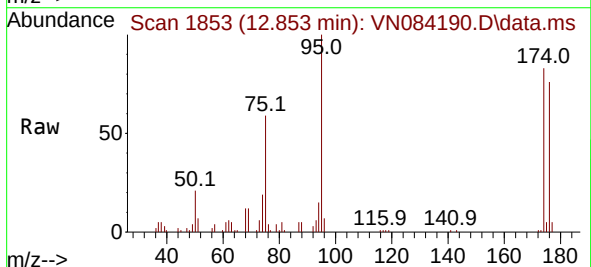
Instrument :
MSVOA_N
ClientSampleId :

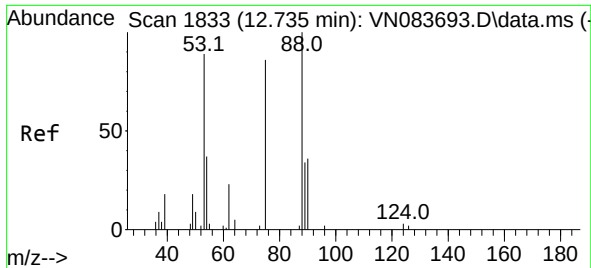
Tgt Ion: 98 Resp: 159432
Ion Ratio Lower Upper
98 100
100 64.9 52.7 79.1



#72
1,2,3-Trichloropropane
Concen: 15.094 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN084190.D
Acq: 26 Sep 2024 20:40

Tgt Ion: 75 Resp: 25861
Ion Ratio Lower Upper
75 100
77 0.8 0.0 367.6





#77

t-1,4-Dichloro-2-butene

Concen: 35.710 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.118 min

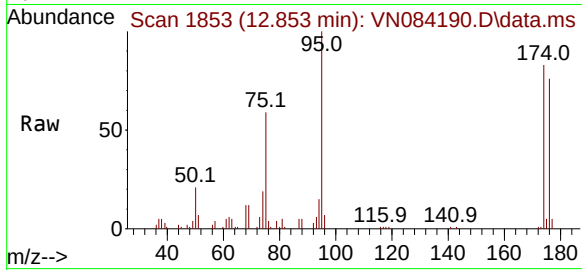
Lab File: VN084190.D

Acq: 26 Sep 2024 20:40

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 75 Resp: 25861

Ion Ratio Lower Upper

75 100

53 0.0 45.9 137.7#

89 0.0 25.9 77.7#

