

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111023\
 Data File : VN080049.D
 Acq On : 10 Nov 2023 13:36
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 10 23:57:11 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N110823W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Nov 09 04:02:05 2023
 Response via : Initial Calibration

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

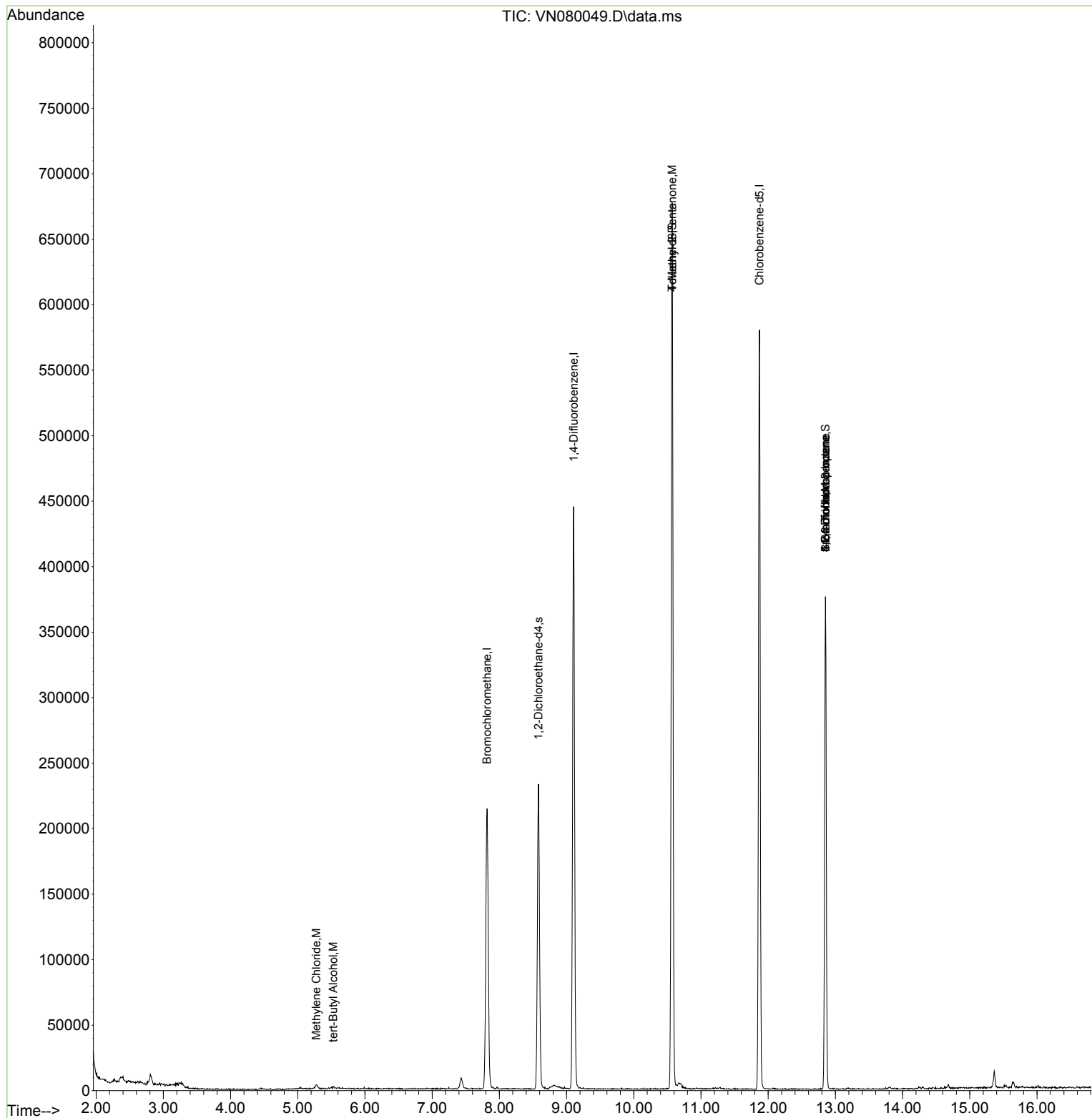
Internal Standards						
1) Bromochloromethane	7.818	128	75337	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	362474	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.870	117	333864	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.582	65	189262	29.928	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	99.767%
60) 4-Bromofluorobenzene	12.853	95	128851	24.134	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	80.433%
63) Toluene-d8	10.571	98	459490	29.046	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	96.833%
Target Compounds						
					Qvalue	
18) Methylene Chloride	5.277	84	1291	0.248	ug/l #	63
23) tert-Butyl Alcohol	5.530	59	872	1.353	ug/l #	100
56) Bromoform	12.853	173	1106	0.366	ug/l #	1
58) 4-Methyl-2-Pentanone	10.571	43	2045	0.367	ug/l #	1
72) 1,2,3-Trichloropropane	12.853	75	70193	12.280	ug/l	1
77) t-1,4-Dichloro-2-butene	12.853	75	70193	37.504	ug/l #	7

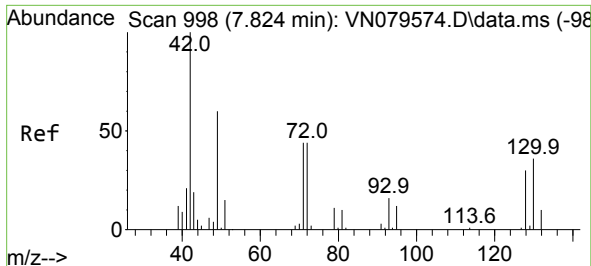
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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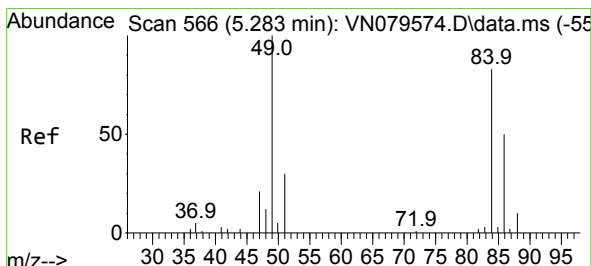
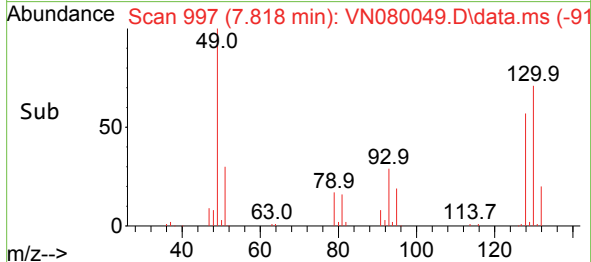
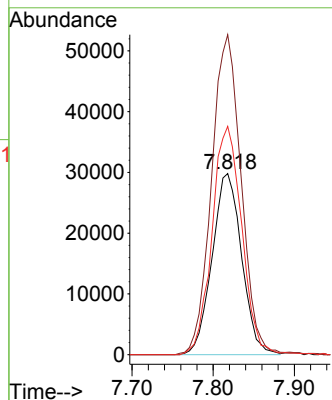
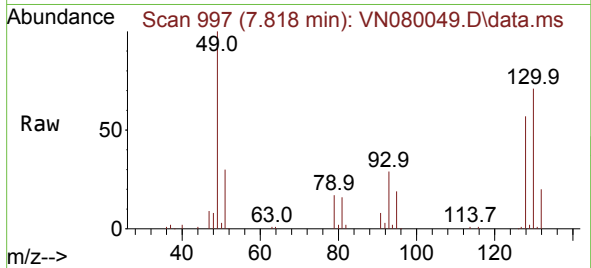




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.818 min Scan# 998
Delta R.T. -0.006 min
Lab File: VN080049.D
Acq: 10 Nov 2023 13:36

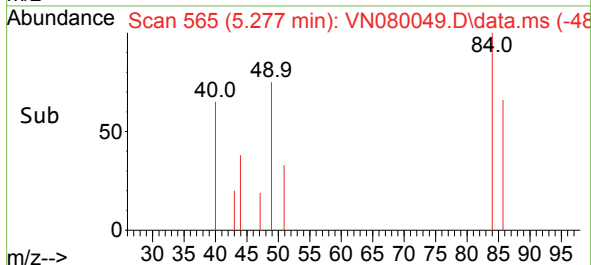
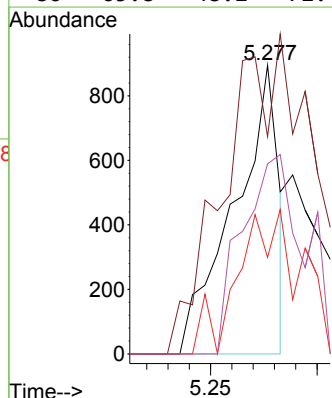
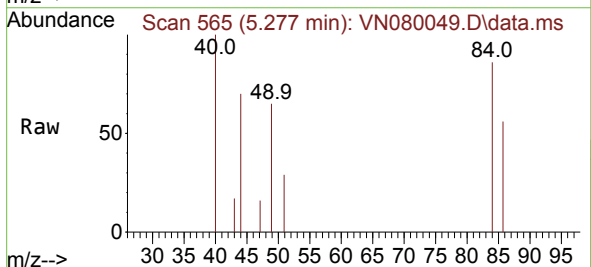
Instrument :
MSVOA_N
ClientSampleId :

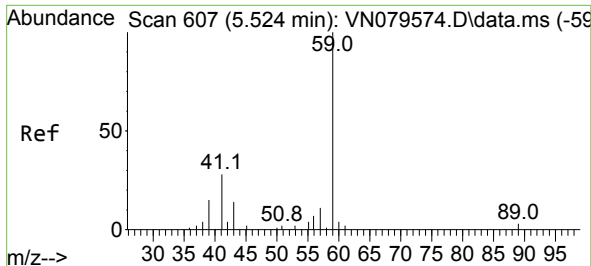
Tgt Ion:128 Resp: 75337
Ion Ratio Lower Upper
128 100
49 176.9 0.0 468.5
130 126.6 0.0 320.7



#18
Methylene Chloride
Concen: 0.248 ug/l
RT: 5.277 min Scan# 565
Delta R.T. -0.006 min
Lab File: VN080049.D
Acq: 10 Nov 2023 13:36

Tgt Ion: 84 Resp: 1291
Ion Ratio Lower Upper
84 100
49 57.0 100.9 151.3#
51 33.4 29.4 44.2
86 65.8 48.2 72.4

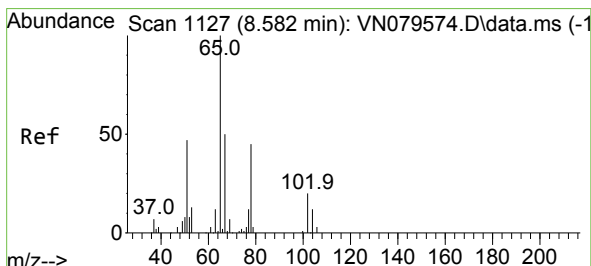
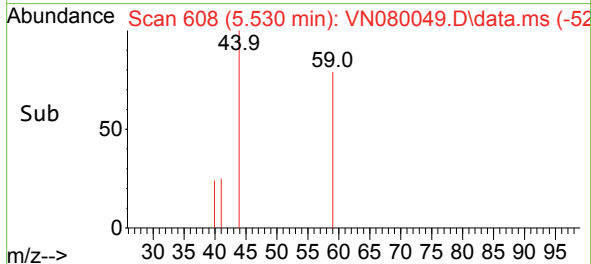
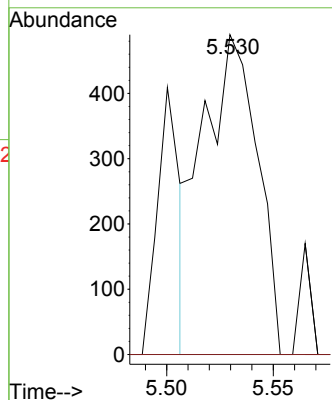
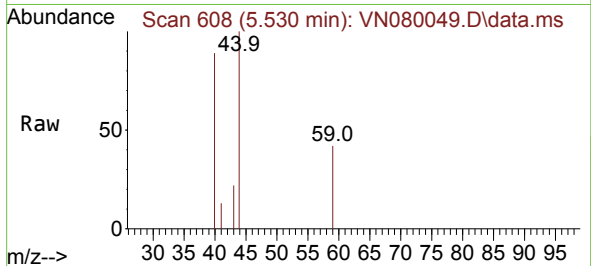




#23
tert-Butyl Alcohol
Concen: 1.353 ug/l
RT: 5.530 min Scan# 607
Delta R.T. 0.006 min
Lab File: VN080049.D
Acq: 10 Nov 2023 13:36

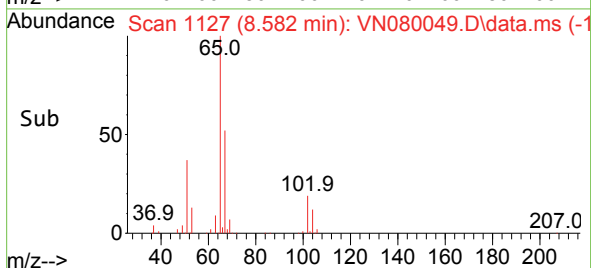
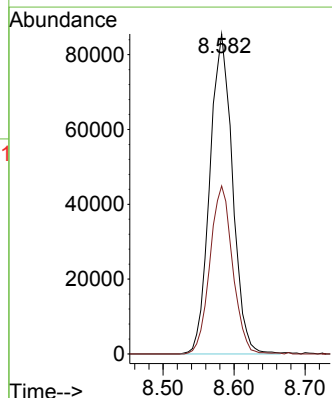
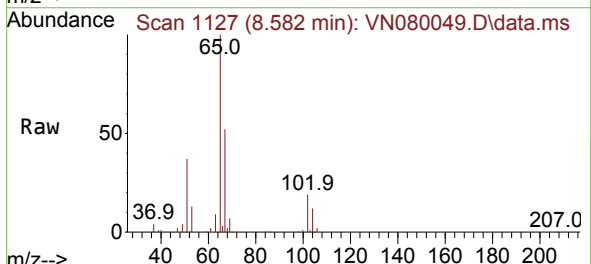
Instrument :
MSVOA_N
ClientSampleId :

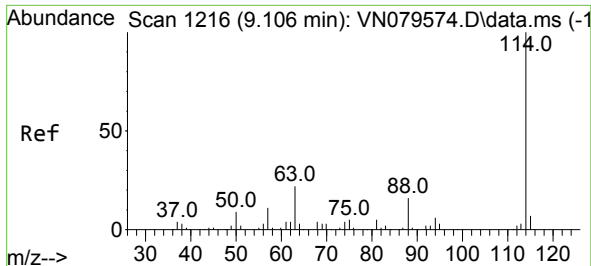
Tgt Ion: 59 Resp: 872
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0



#27
1,2-Dichloroethane-d4
Concen: 29.928 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VN080049.D
Acq: 10 Nov 2023 13:36

Tgt Ion: 65 Resp: 189262
Ion Ratio Lower Upper
65 100
67 52.6 42.1 63.1

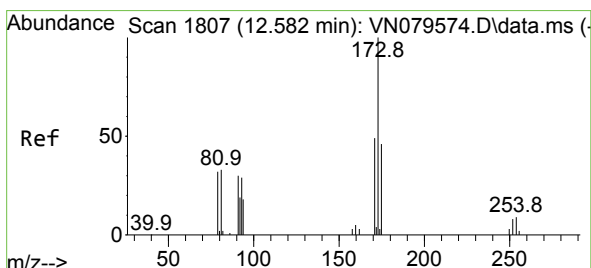
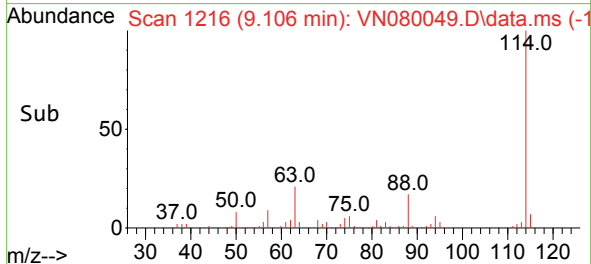
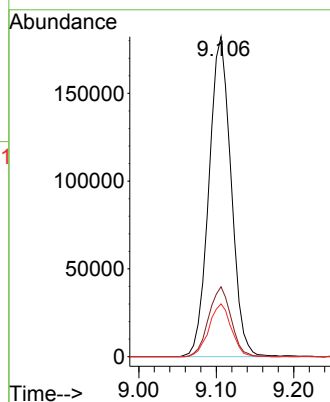
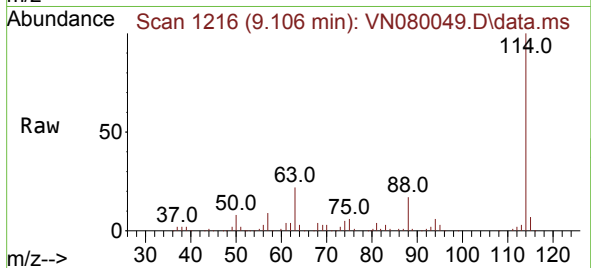




#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN080049.D
Acq: 10 Nov 2023 13:36

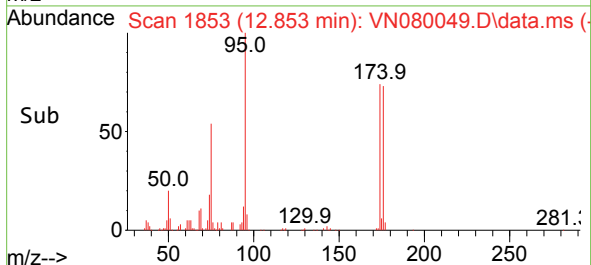
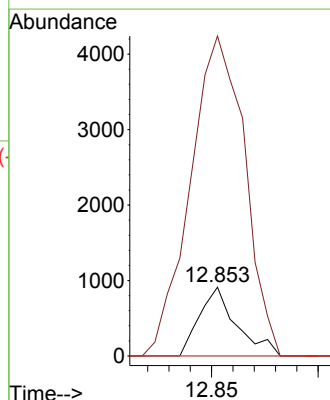
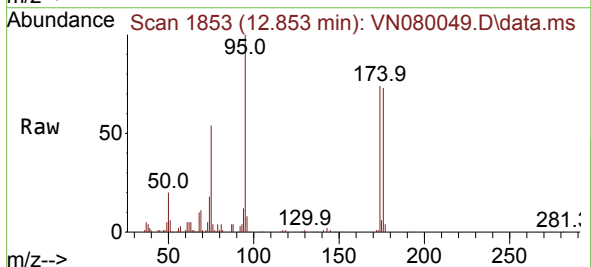
Instrument :
MSVOA_N
ClientSampleId :

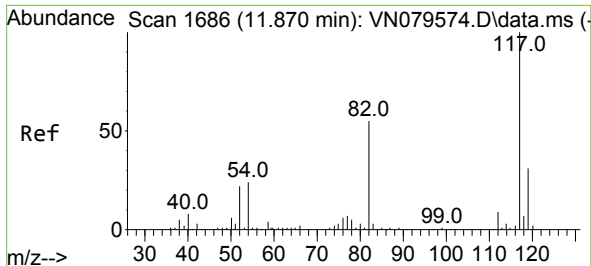
Tgt Ion:114 Resp: 362474
Ion Ratio Lower Upper
114 100
63 22.1 18.1 27.1
88 16.6 12.2 18.2



#56
Bromoform
Concen: 0.366 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.271 min
Lab File: VN080049.D
Acq: 10 Nov 2023 13:36

Tgt Ion:173 Resp: 1106
Ion Ratio Lower Upper
173 100
175 682.1 37.9 56.9#
254 0.0 7.3 10.9#

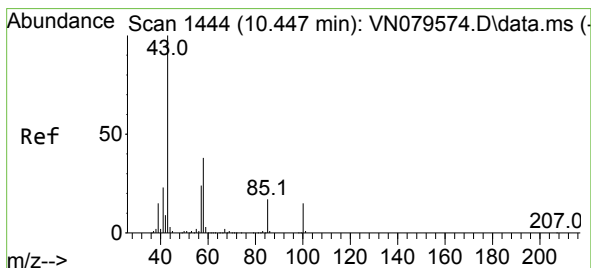
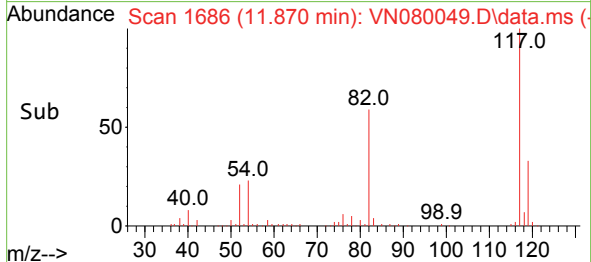
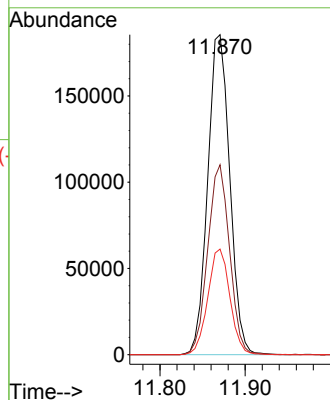
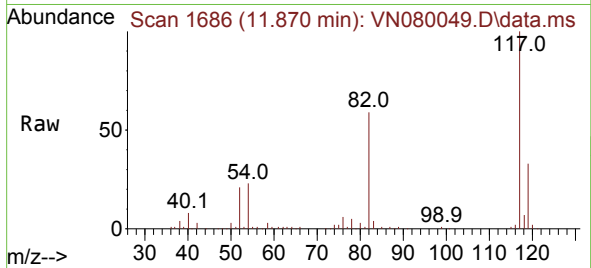




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.870 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN080049.D
Acq: 10 Nov 2023 13:36

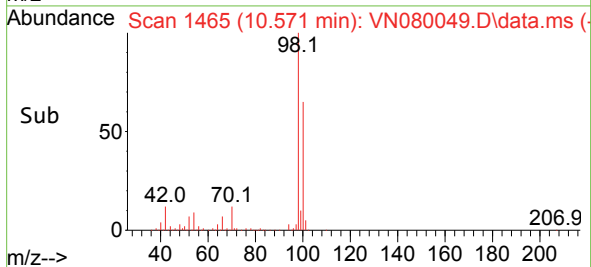
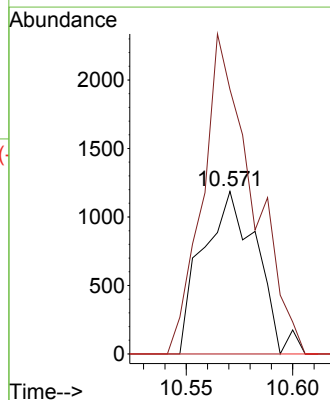
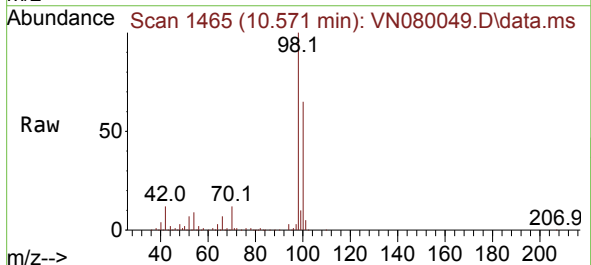
Instrument :
MSVOA_N
ClientSampleId :

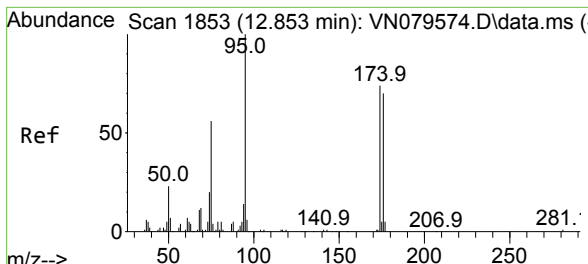
Tgt Ion:117 Resp: 333864
Ion Ratio Lower Upper
117 100
82 58.8 46.2 69.2
119 33.2 25.2 37.8



#58
4-Methyl-2-Pentanone
Concen: 0.367 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.124 min
Lab File: VN080049.D
Acq: 10 Nov 2023 13:36

Tgt Ion: 43 Resp: 2045
Ion Ratio Lower Upper
43 100
58 186.8 30.4 45.6#
85 0.0 13.2 19.8#

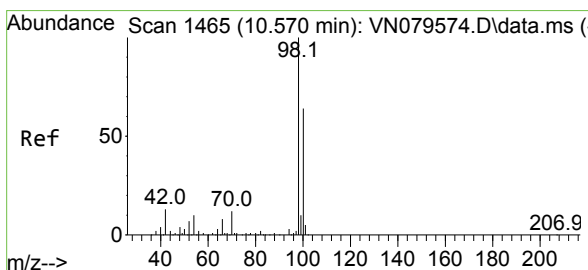
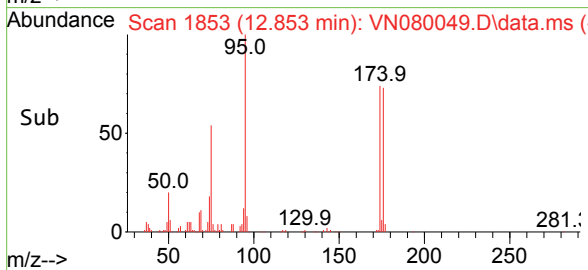
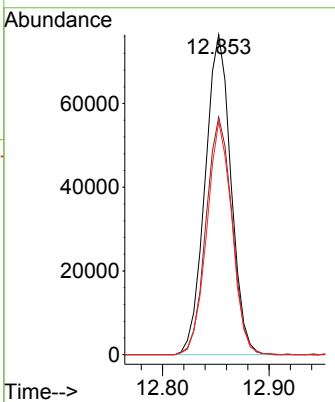
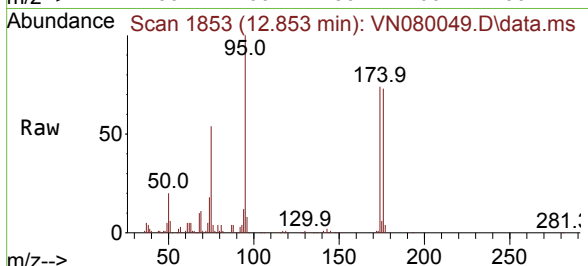




#60
 4-Bromofluorobenzene
 Concen: 24.134 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VN080049.D
 Acq: 10 Nov 2023 13:36

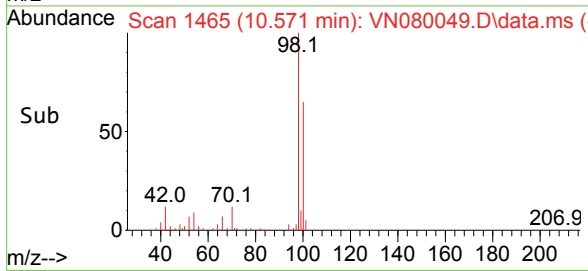
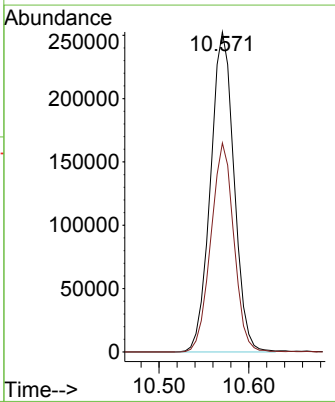
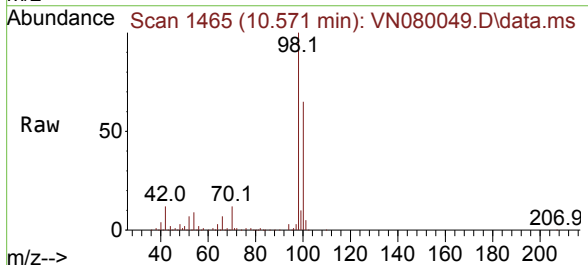
Instrument :
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 ClientSampleId :

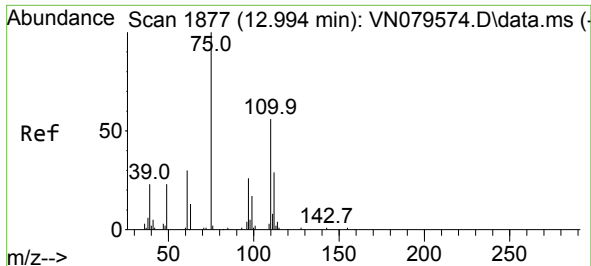
Tgt Ion:	95	Resp:	128851
Ion	Ratio	Lower	Upper
95	100		
174	74.8	60.5	90.7
176	70.8	57.2	85.8



#63
 Toluene-d8
 Concen: 29.046 ug/l
 RT: 10.571 min Scan# 1465
 Delta R.T. 0.001 min
 Lab File: VN080049.D
 Acq: 10 Nov 2023 13:36

Tgt Ion:	98	Resp:	459490
Ion	Ratio	Lower	Upper
98	100		
100	63.8	51.6	77.4

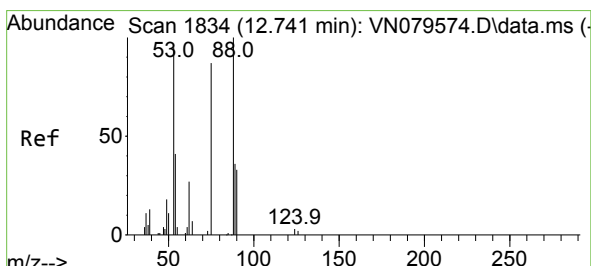
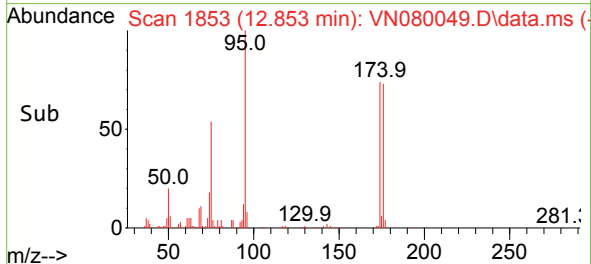
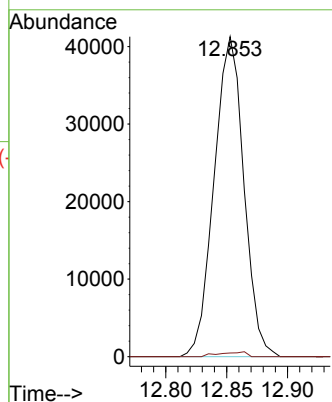
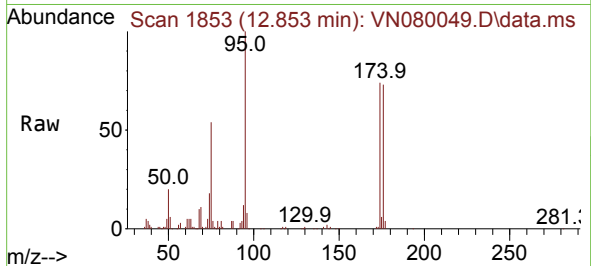




#72
1,2,3-Trichloropropane
Concen: 12.280 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN080049.D
Acq: 10 Nov 2023 13:36

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 70193
Ion Ratio Lower Upper
75 100
77 1.0 0.0 338.2



#77
t-1,4-Dichloro-2-butene
Concen: 37.504 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN080049.D
Acq: 10 Nov 2023 13:36

Tgt Ion: 75 Resp: 70193
Ion Ratio Lower Upper
75 100
53 0.0 53.0 159.1#
89 0.0 22.6 67.7#

