

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090823\
 Data File : VN079197.D
 Acq On : 08 Sep 2023 15:04
 Operator : JC\MD
 Sample : 04329-01RE
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 08 18:06:30 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090723W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Sep 08 05:09:17 2023
 Response via : Initial Calibration

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

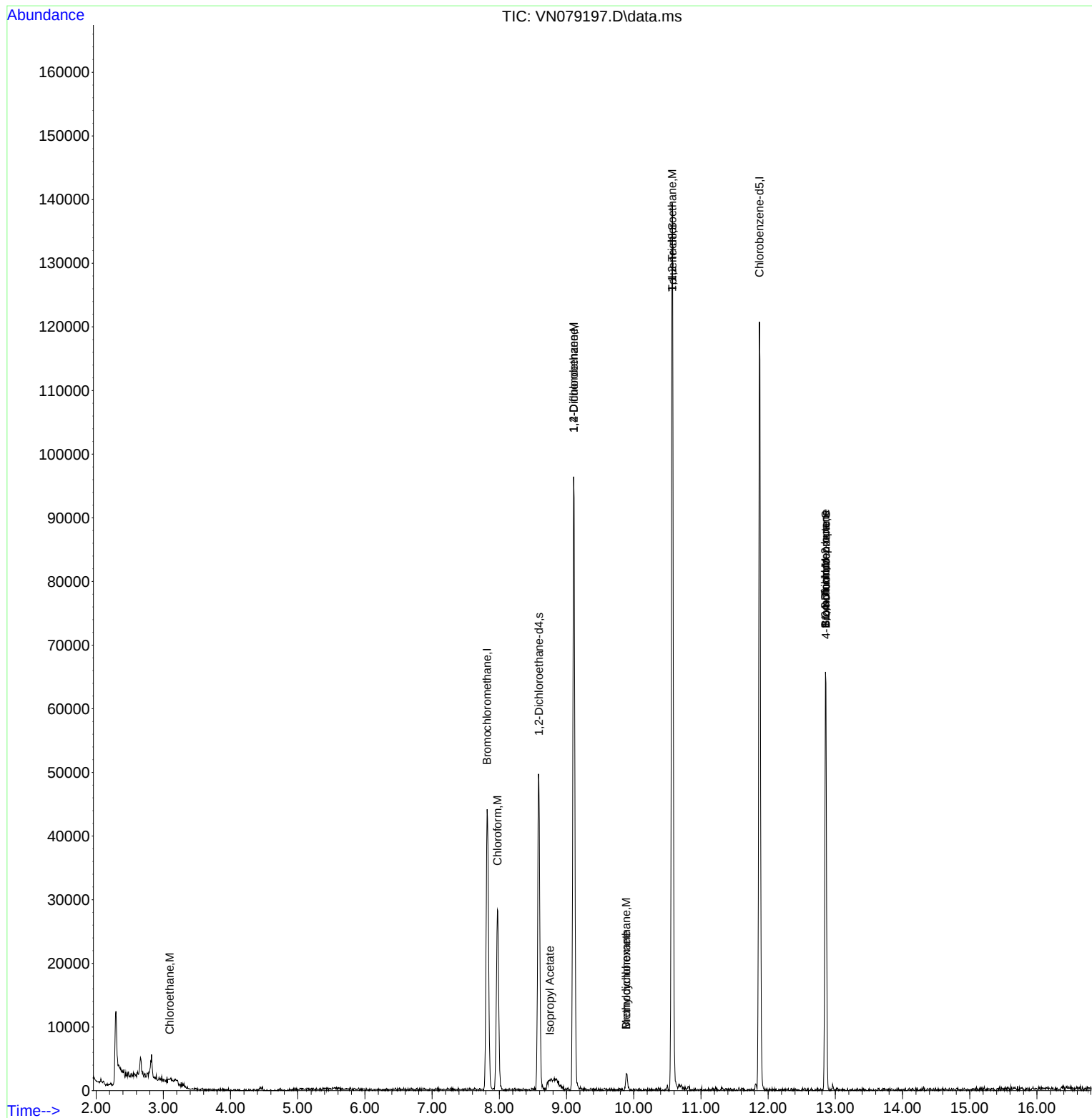
Internal Standards						
1) Bromochloromethane	7.818	128	16562	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	84787	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.871	117	73851	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.588	65	41414	33.282	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	110.933%#
60) 4-Bromofluorobenzene	12.859	95	23014	21.150	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	70.500%
63) Toluene-d8	10.577	98	99160	28.731	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	95.767%
Target Compounds						
					Qvalue	
6) Chloroethane	3.095	64	119	0.212	ug/l #	50
25) Chloroform	7.971	83	28006	14.187	ug/l	98
36) 1,2-Dichloroethane	9.106	62	2666	1.872	ug/l #	73
38) Methylcyclohexane	9.888	83	2663	1.960	ug/l #	17
41) Bromodichloromethane	9.888	83	2663	1.818	ug/l #	85
44) Isopropyl Acetate	8.753	43	1613	0.691	ug/l #	63
50) 1,1,2-Trichloroethane	10.571	97	3244	3.147	ug/l #	1
56) Bromoform	12.853	173	157	0.208	ug/l #	1
72) 1,2,3-Trichloropropane	12.853	75	12182	9.692	ug/l #	1
77) t-1,4-Dichloro-2-butene	12.853	75	12182	27.527	ug/l #	14

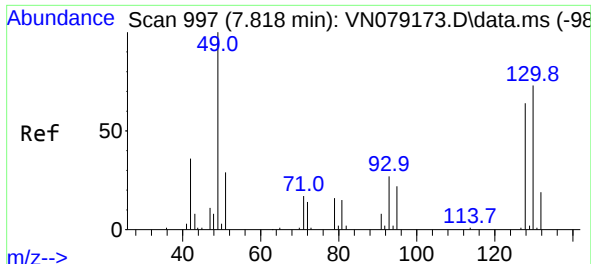
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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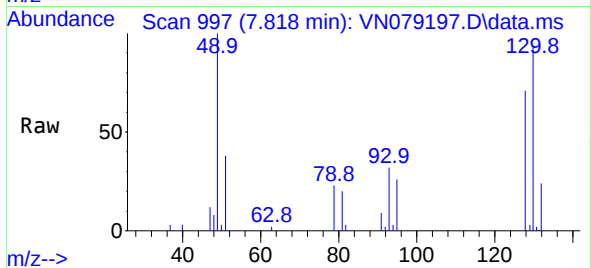
Quant Time: Sep 08 18:06:30 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090723W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Sep 08 05:09:17 2023
Response via : Initial Calibration



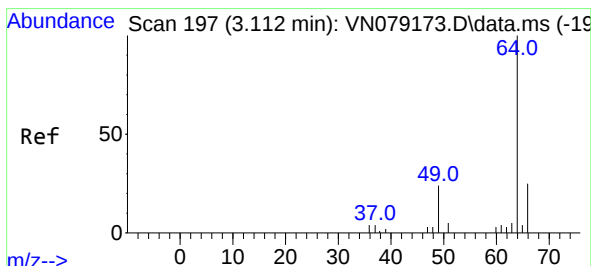
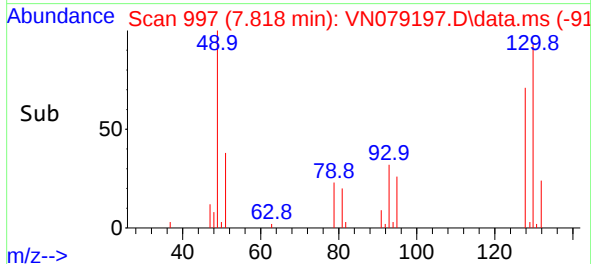
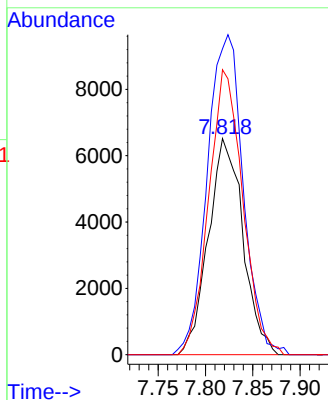


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.818 min Scan# 91
Delta R.T. -0.000 min
Lab File: VN079197.D
Acq: 08 Sep 2023 15:04

Instrument :
MSVOA_N
ClientSampleId :

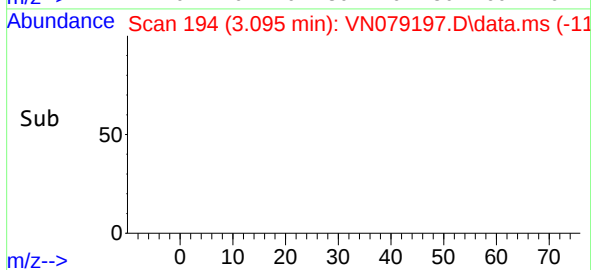
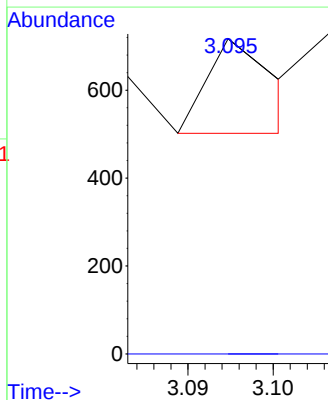
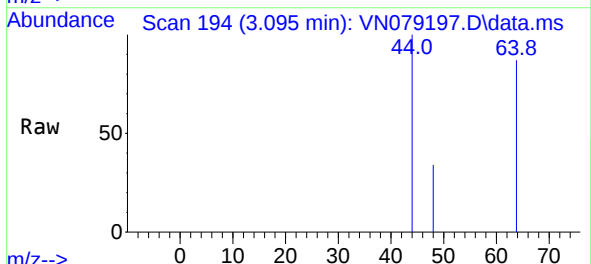


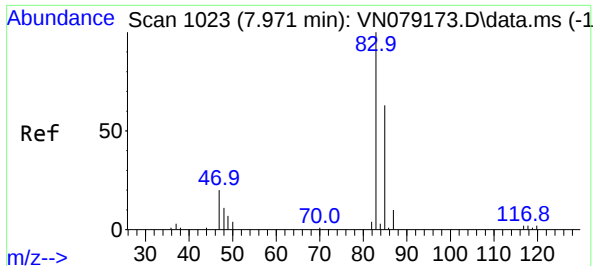
Tgt Ion:128 Resp: 16562
Ion Ratio Lower Upper
128 100
49 154.2 0.0 414.3
130 129.7 0.0 311.0



#6
Chloroethane
Concen: 0.212 ug/l
RT: 3.095 min Scan# 194
Delta R.T. -0.017 min
Lab File: VN079197.D
Acq: 08 Sep 2023 15:04

Tgt Ion: 64 Resp: 119
Ion Ratio Lower Upper
64 100
66 0.0 20.1 30.1#

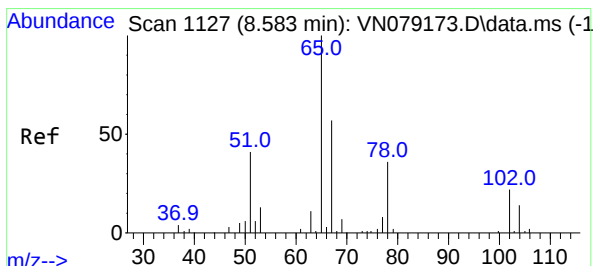
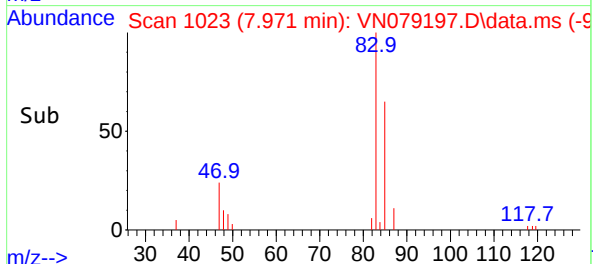
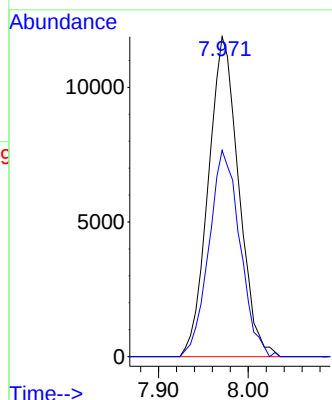
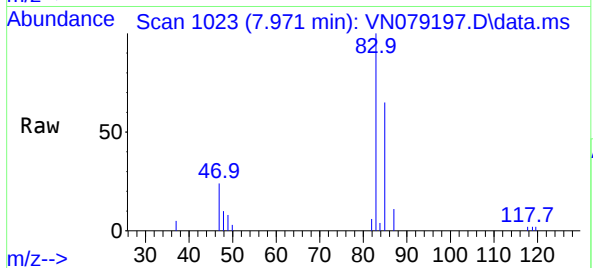




#25
Chloroform
Concen: 14.187 ug/l
RT: 7.971 min Scan# 1023
Delta R.T. -0.000 min
Lab File: VN079197.D
Acq: 08 Sep 2023 15:04

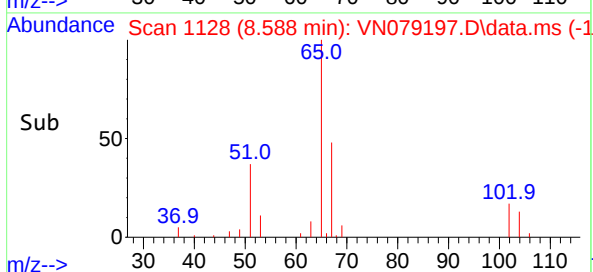
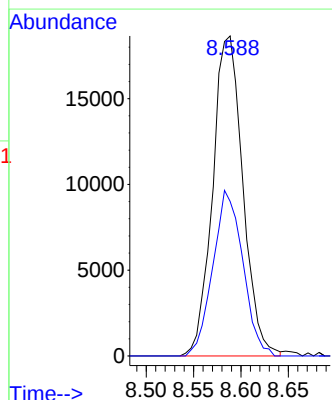
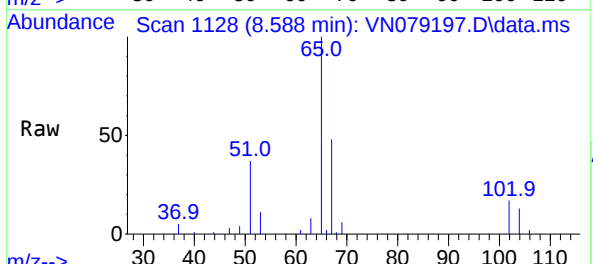
Instrument :
MSVOA_N
ClientSampleId :

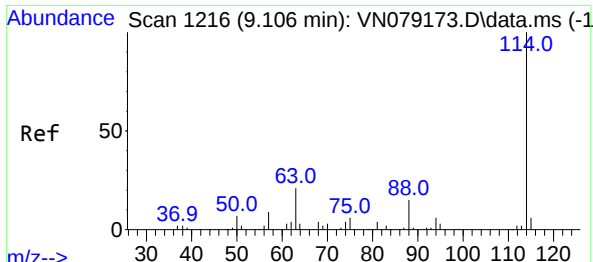
Tgt Ion: 83 Resp: 28006
Ion Ratio Lower Upper
83 100
85 64.5 50.6 76.0



#27
1,2-Dichloroethane-d4
Concen: 33.282 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. 0.005 min
Lab File: VN079197.D
Acq: 08 Sep 2023 15:04

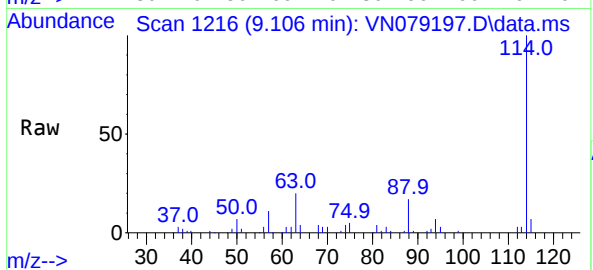
Tgt Ion: 65 Resp: 41414
Ion Ratio Lower Upper
65 100
67 51.2 44.4 66.6



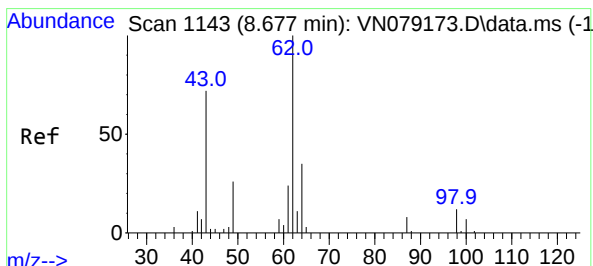
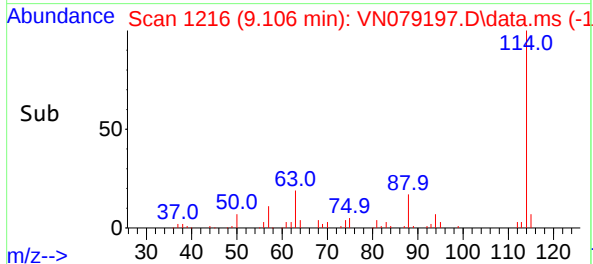
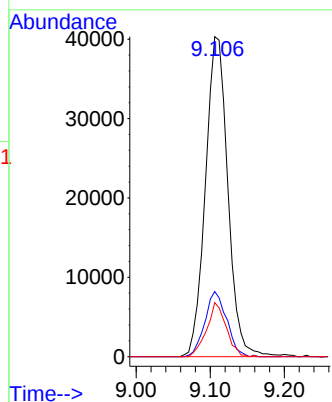


#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.106 min Scan# 114
Delta R.T. 0.000 min
Lab File: VN079197.D
Acq: 08 Sep 2023 15:04

Instrument :
MSVOA_N
ClientSampleId :

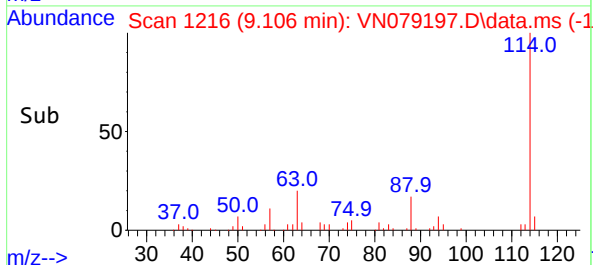
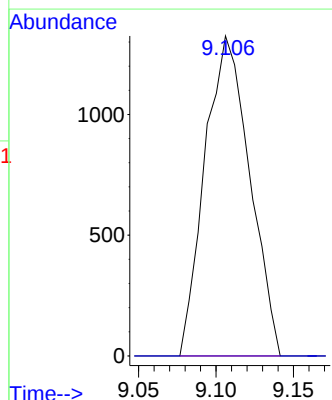
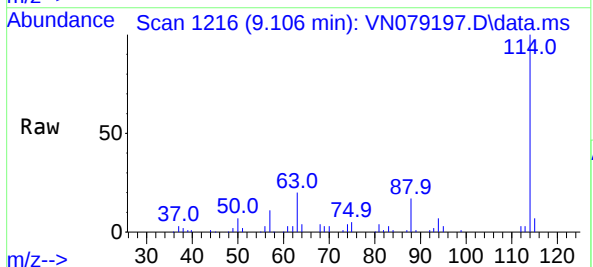


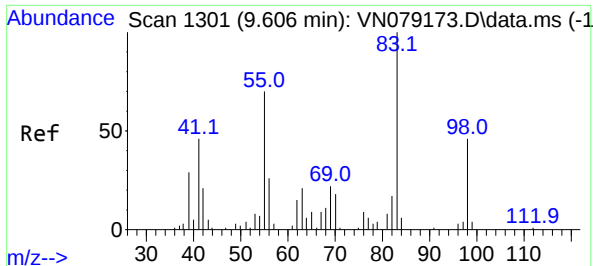
Tgt Ion:114 Resp: 84787
Ion Ratio Lower Upper
114 100
63 19.8 17.0 25.4
88 14.7 12.8 19.2



#36
1,2-Dichloroethane
Concen: 1.872 ug/l
RT: 9.106 min Scan# 1216
Delta R.T. 0.429 min
Lab File: VN079197.D
Acq: 08 Sep 2023 15:04

Tgt Ion: 62 Resp: 2666
Ion Ratio Lower Upper
62 100
98 0.0 8.2 12.2#





#38

Methylcyclohexane

Concen: 1.960 ug/l

RT: 9.888 min Scan# 1349

Delta R.T. 0.282 min

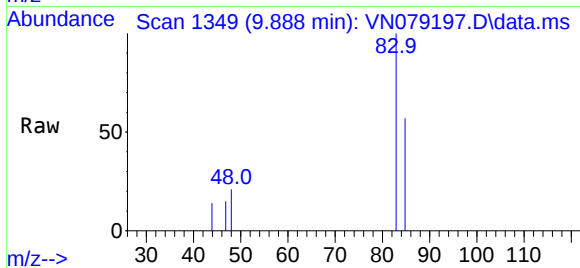
Lab File: VN079197.D

Acq: 08 Sep 2023 15:04

Instrument :

MSVOA_N

ClientSampleId :



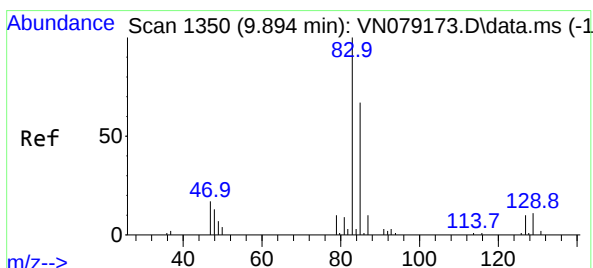
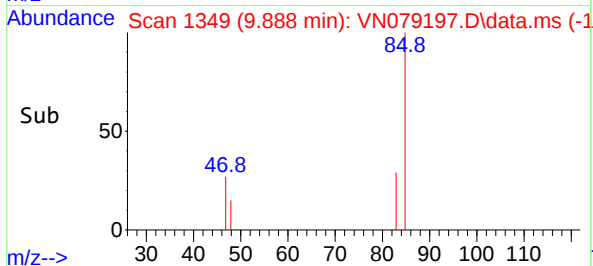
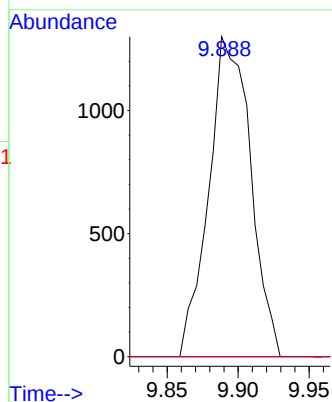
Tgt Ion: 83 Resp: 2663

Ion Ratio Lower Upper

83 100

55 0.0 39.1 117.2#

98 0.0 24.1 72.4#



#41

Bromodichloromethane

Concen: 1.818 ug/l

RT: 9.888 min Scan# 1349

Delta R.T. -0.006 min

Lab File: VN079197.D

Acq: 08 Sep 2023 15:04

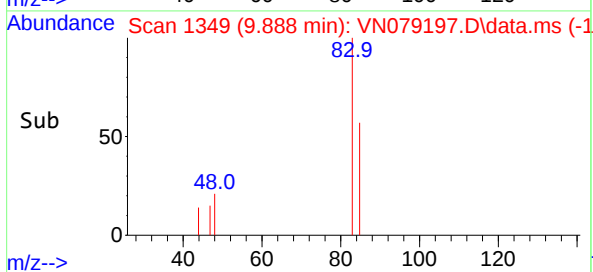
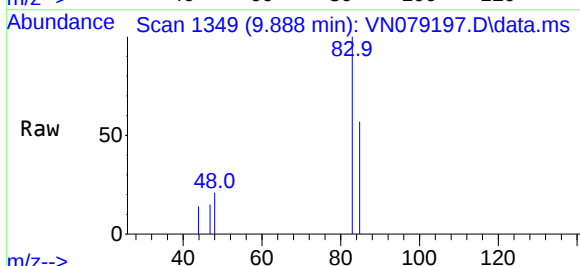
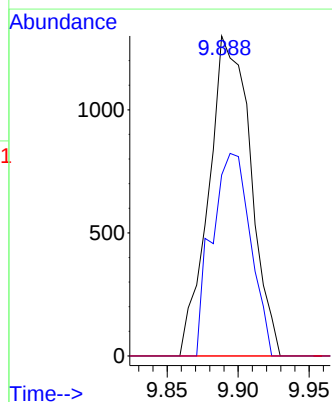
Tgt Ion: 83 Resp: 2663

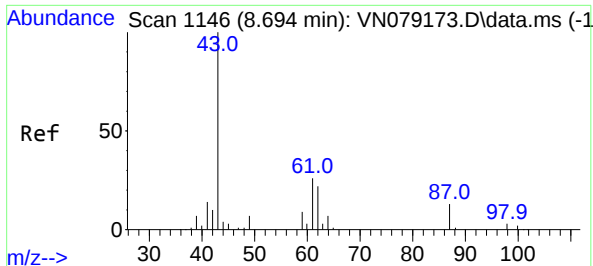
Ion Ratio Lower Upper

83 100

85 56.5 53.4 80.2

127 0.0 8.3 12.5#

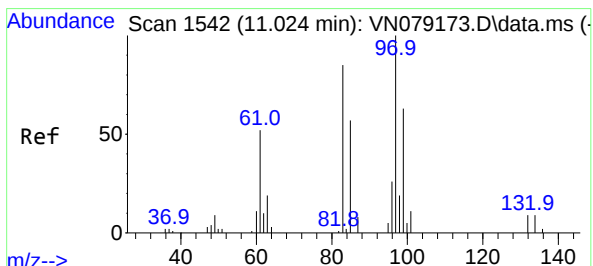
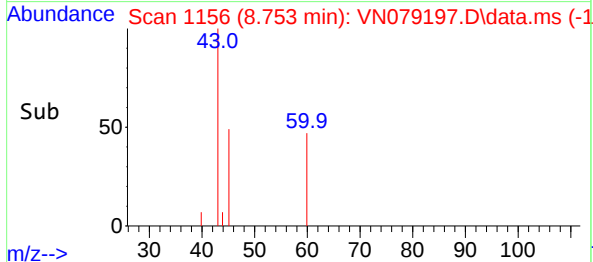
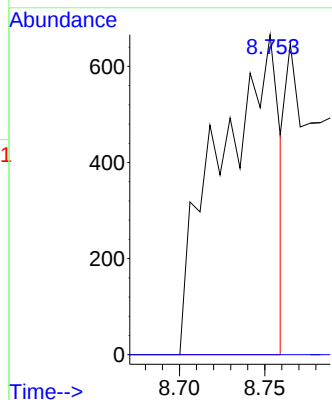
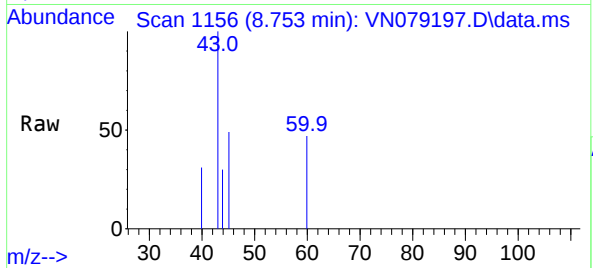




#44
Isopropyl Acetate
Concen: 0.691 ug/l
RT: 8.753 min Scan# 1156
Delta R.T. 0.059 min
Lab File: VN079197.D
Acq: 08 Sep 2023 15:04

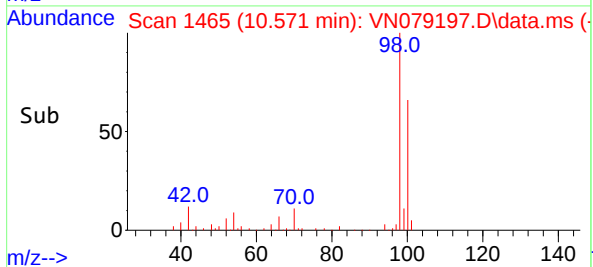
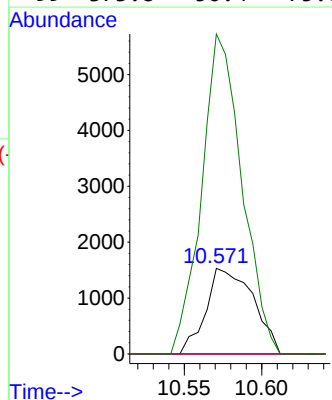
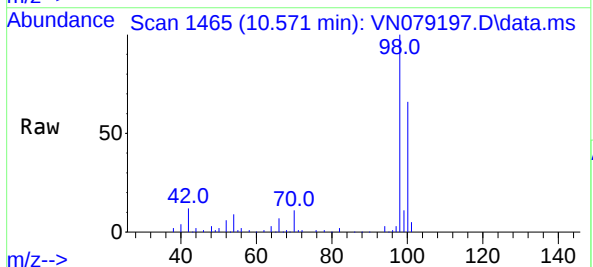
Instrument :
MSVOA_N
ClientSampleId :

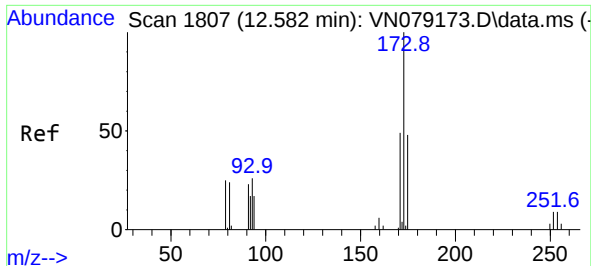
Tgt Ion: 43 Resp: 1613
Ion Ratio Lower Upper
43 100
61 47.7 22.6 33.8#



#50
1,1,2-Trichloroethane
Concen: 3.147 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.453 min
Lab File: VN079197.D
Acq: 08 Sep 2023 15:04

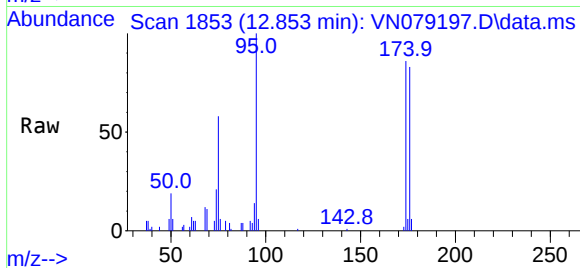
Tgt Ion: 97 Resp: 3244
Ion Ratio Lower Upper
97 100
83 0.0 68.9 103.3#
85 0.0 45.3 67.9#
99 373.8 50.4 75.6#



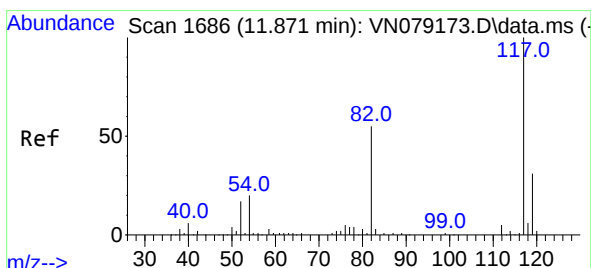
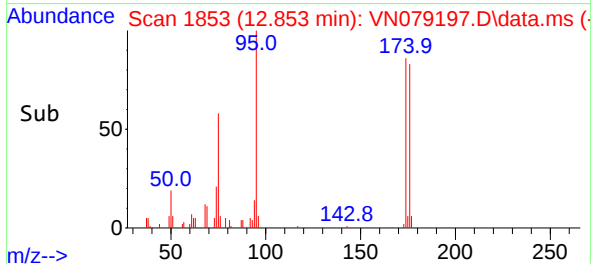
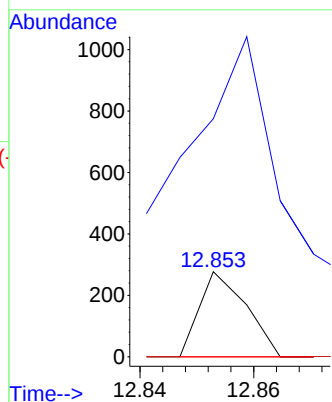


#56
Bromoform
Concen: 0.208 ug/l
RT: 12.853 min Scan# 1807
Delta R.T. 0.271 min
Lab File: VN079197.D
Acq: 08 Sep 2023 15:04

Instrument :
MSVOA_N
ClientSampleId :

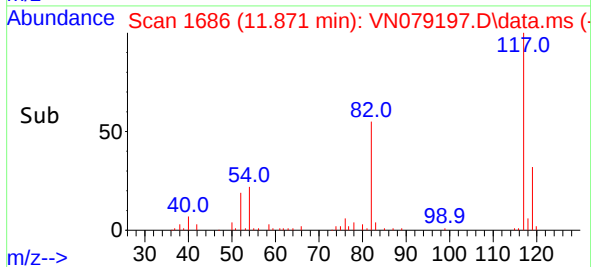
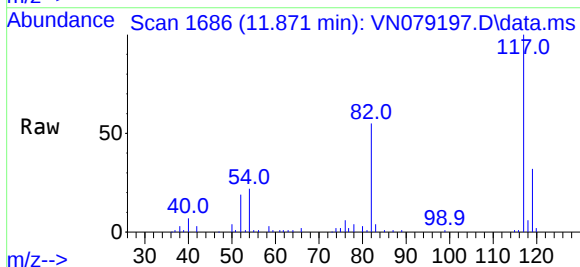
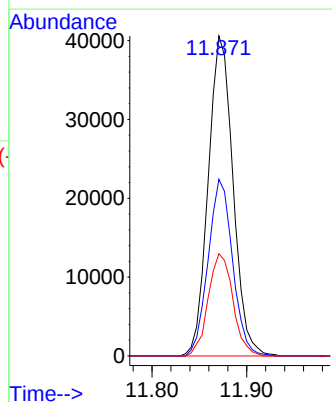


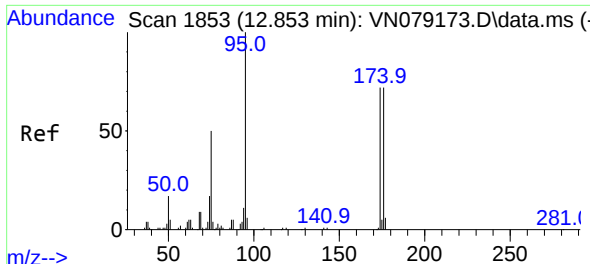
Tgt Ion:173 Resp: 157
Ion Ratio Lower Upper
173 100
175 958.0 37.6 56.4#
254 0.0 7.8 11.8#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VN079197.D
Acq: 08 Sep 2023 15:04

Tgt Ion:117 Resp: 73851
Ion Ratio Lower Upper
117 100
82 54.5 44.7 67.1
119 31.8 24.9 37.3

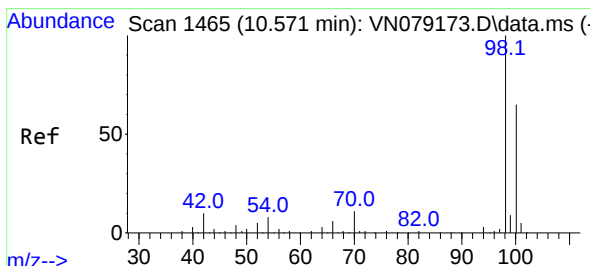
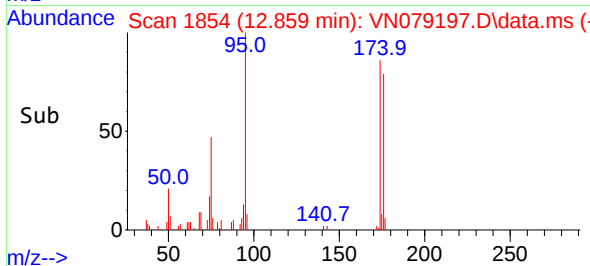
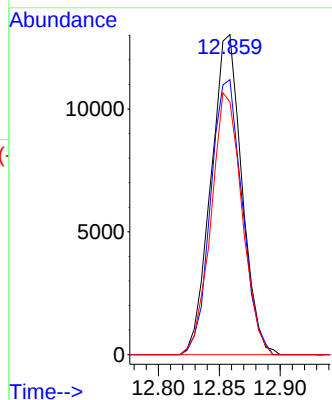
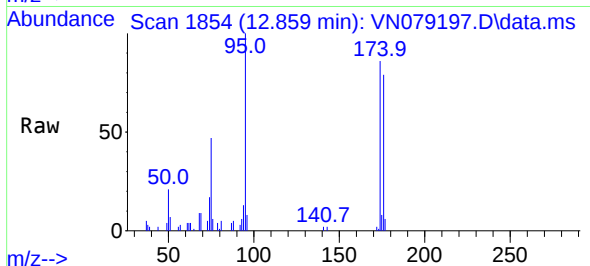




#60
4-Bromofluorobenzene
Concen: 21.150 ug/l
RT: 12.859 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN079197.D
Acq: 08 Sep 2023 15:04

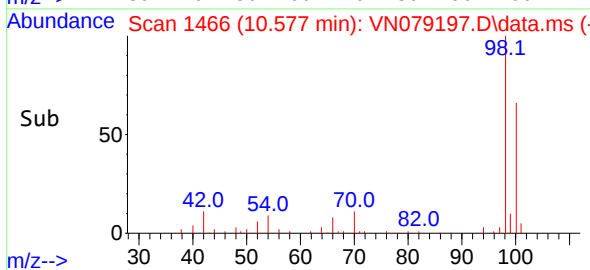
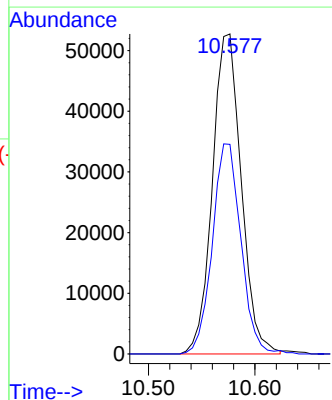
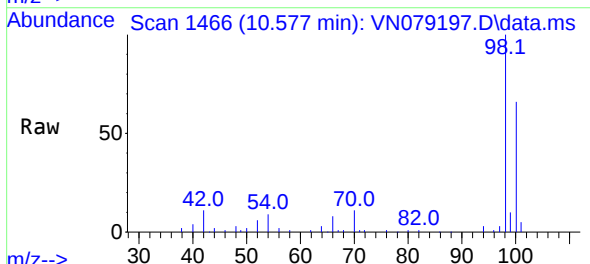
Instrument :
MSVOA_N
ClientSampleId :

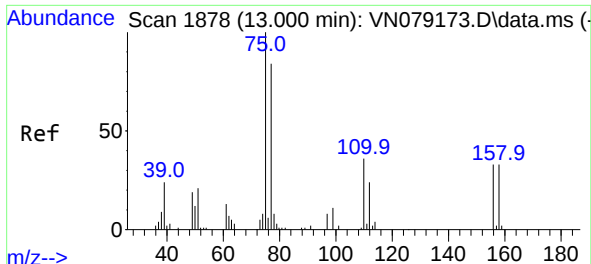
Tgt Ion: 95 Resp: 23014
Ion Ratio Lower Upper
95 100
174 87.3 59.5 89.3
176 81.9 59.1 88.7



#63
Toluene-d8
Concen: 28.731 ug/l
RT: 10.577 min Scan# 1466
Delta R.T. 0.006 min
Lab File: VN079197.D
Acq: 08 Sep 2023 15:04

Tgt Ion: 98 Resp: 99160
Ion Ratio Lower Upper
98 100
100 64.7 52.5 78.7

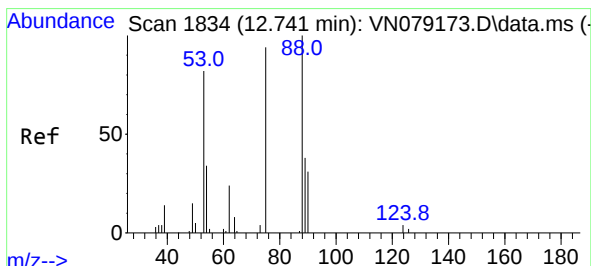
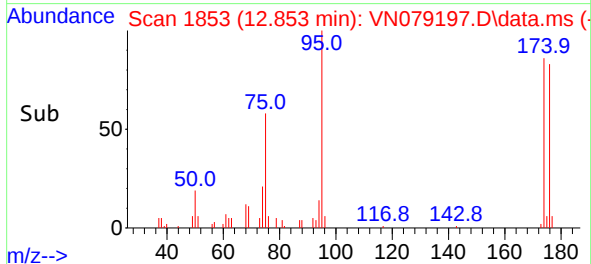
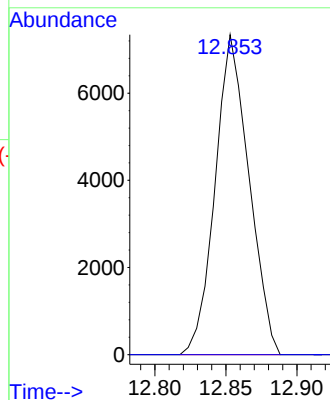
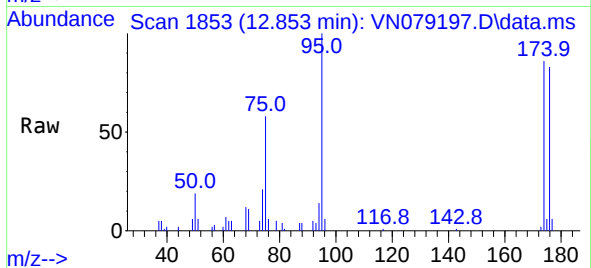




#72
1,2,3-Trichloropropane
Concen: 9.692 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN079197.D
Acq: 08 Sep 2023 15:04

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 12182
Ion Ratio Lower Upper
75 100
77 0.0 0.0 252.2



#77
t-1,4-Dichloro-2-butene
Concen: 27.527 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN079197.D
Acq: 08 Sep 2023 15:04

Tgt Ion: 75 Resp: 12182
Ion Ratio Lower Upper
75 100
53 0.0 44.1 132.4#
89 0.0 22.4 67.3#

