

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090823\
 Data File : VN079193.D
 Acq On : 08 Sep 2023 13:27
 Operator : JC\MD
 Sample : 04329-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 08 17:20:37 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)

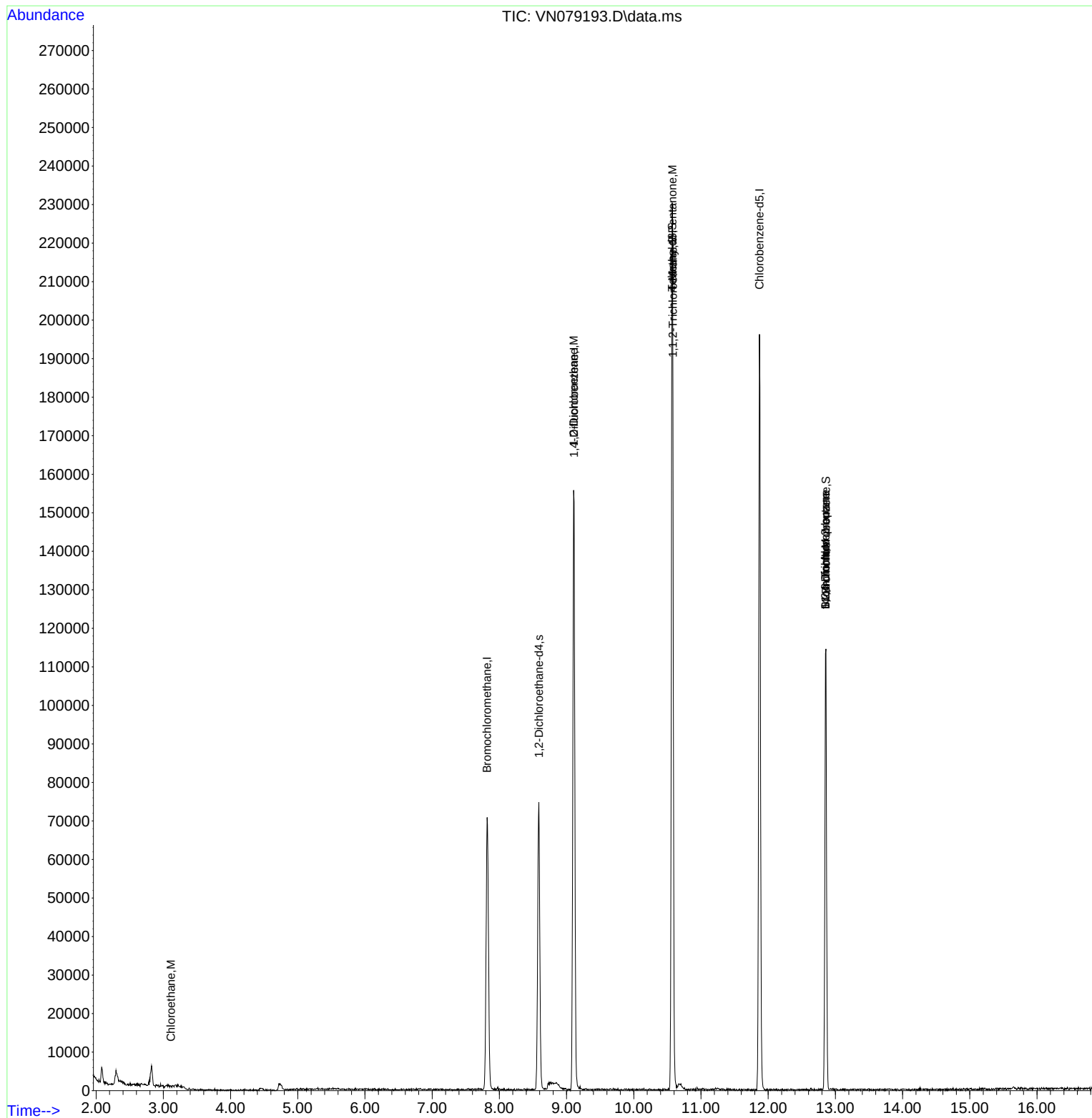
Internal Standards						
1) Bromochloromethane	7.818	128	25721	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.112	114	136596	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.870	117	119685	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.588	65	60652	31.386	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	104.633%
60) 4-Bromofluorobenzene	12.859	95	41023	23.262	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	77.533%
63) Toluene-d8	10.571	98	167069	29.869	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	99.567%
Target Compounds						
					Qvalue	
6) Chloroethane	3.112	64	265	0.304	ug/l #	50
36) 1,2-Dichloroethane	9.106	62	4518	1.969	ug/l #	73
50) 1,1,2-Trichloroethane	10.582	97	5606	3.376	ug/l #	1
56) Bromoform	12.853	173	420	0.346	ug/l #	1
58) 4-Methyl-2-Pentanone	10.576	43	636	0.290	ug/l #	1
72) 1,2,3-Trichloropropane	12.853	75	21075	10.346	ug/l #	1
77) t-1,4-Dichloro-2-butene	12.853	75	21075	29.385	ug/l #	14

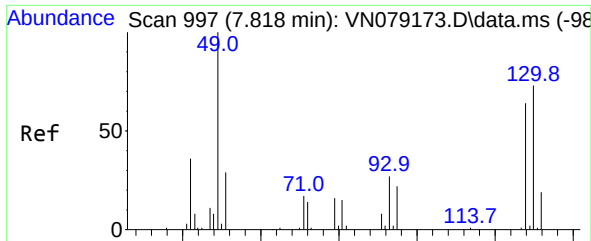
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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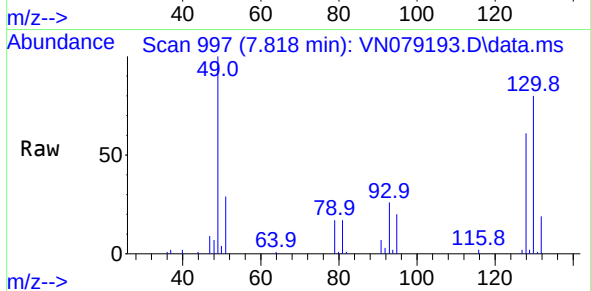
Quant Time: Sep 08 17:20:37 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090723W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Sep 08 05:09:17 2023
Response via : Initial Calibration



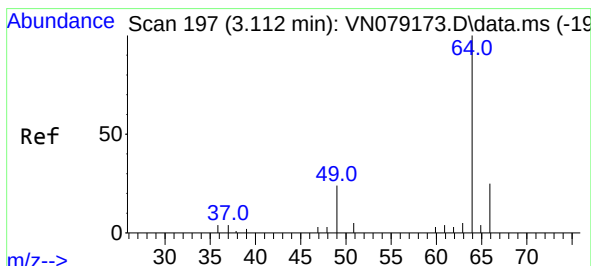
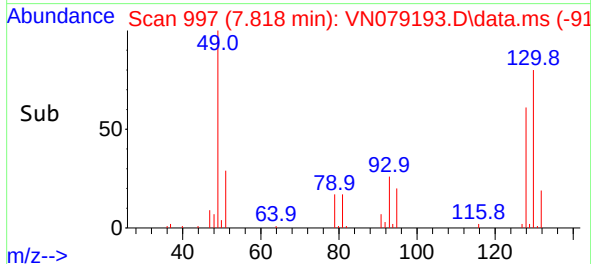
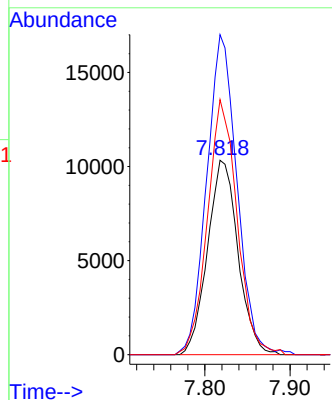


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.818 min Scan# 997
Delta R.T. -0.000 min
Lab File: VN079193.D
Acq: 08 Sep 2023 13:27

Instrument :
MSVOA_N
ClientSampleId :

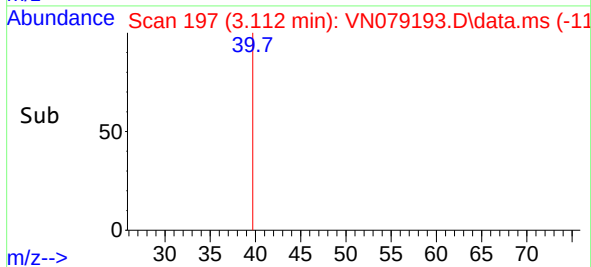
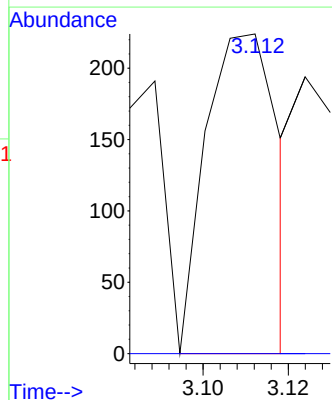
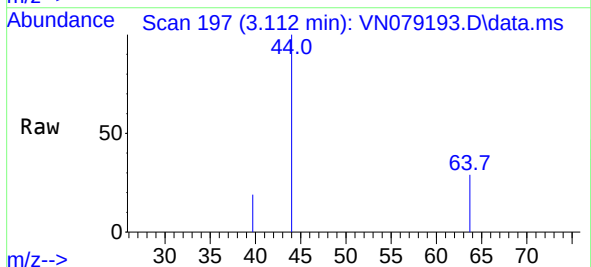


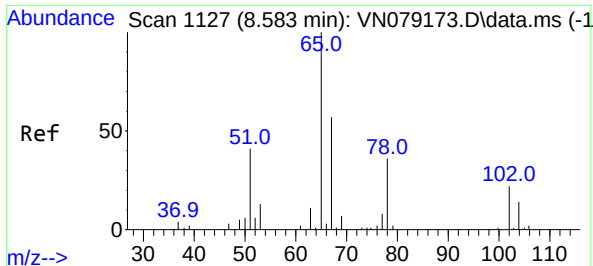
Tgt Ion:128 Resp: 25721
Ion Ratio Lower Upper
128 100
49 162.2 0.0 414.3
130 127.1 0.0 311.0



#6
Chloroethane
Concen: 0.304 ug/l
RT: 3.112 min Scan# 197
Delta R.T. 0.000 min
Lab File: VN079193.D
Acq: 08 Sep 2023 13:27

Tgt Ion: 64 Resp: 265
Ion Ratio Lower Upper
64 100
66 0.0 20.1 30.1#

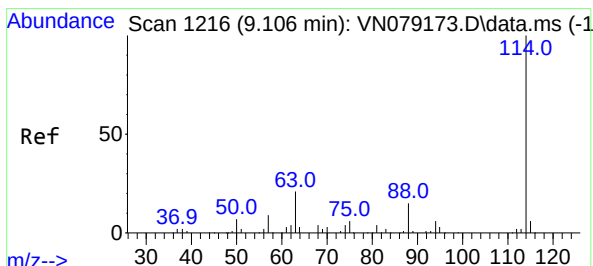
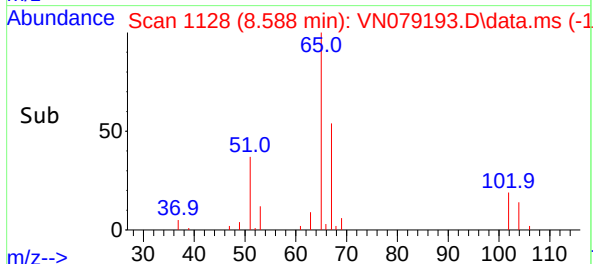
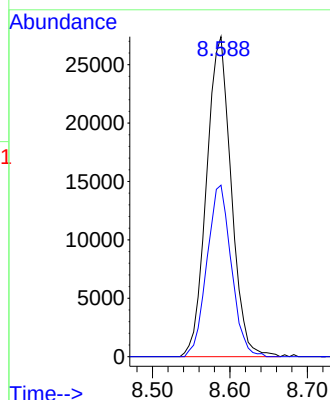
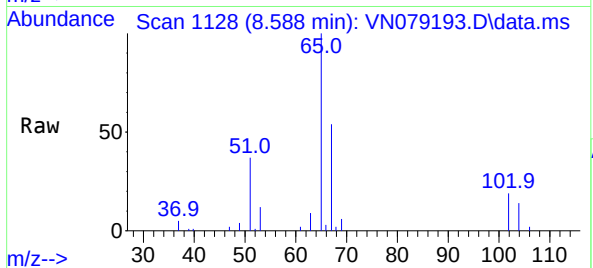




#27
1,2-Dichloroethane-d4
Concen: 31.386 ug/l
RT: 8.588 min Scan# 1127
Delta R.T. 0.005 min
Lab File: VN079193.D
Acq: 08 Sep 2023 13:27

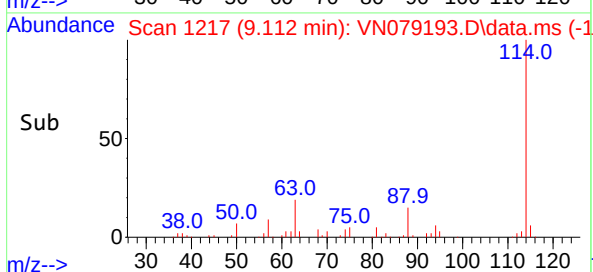
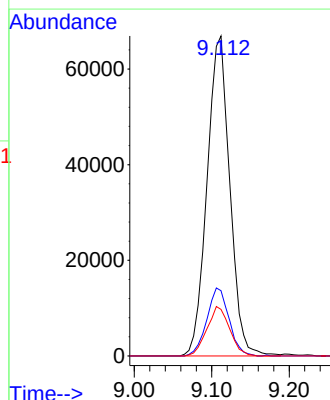
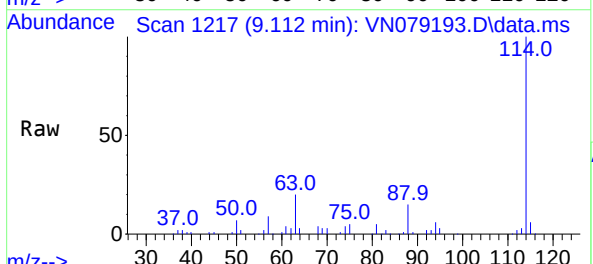
Instrument :
MSVOA_N
ClientSampleId :

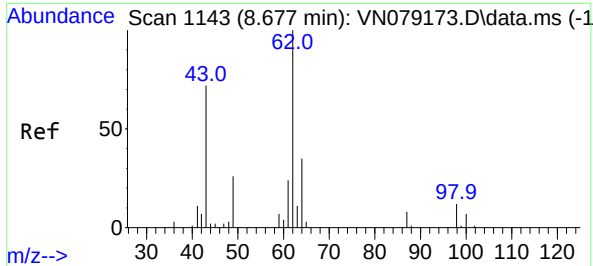
Tgt Ion: 65 Resp: 60652
Ion Ratio Lower Upper
65 100
67 52.9 44.4 66.6



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.112 min Scan# 1217
Delta R.T. 0.006 min
Lab File: VN079193.D
Acq: 08 Sep 2023 13:27

Tgt Ion: 114 Resp: 136596
Ion Ratio Lower Upper
114 100
63 20.7 17.0 25.4
88 15.4 12.8 19.2

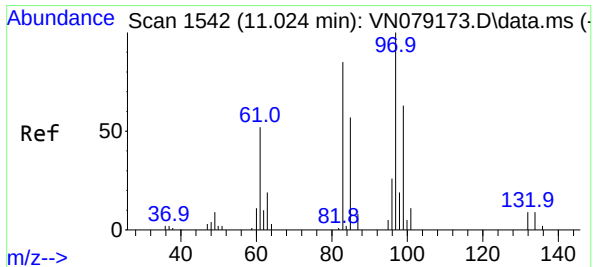
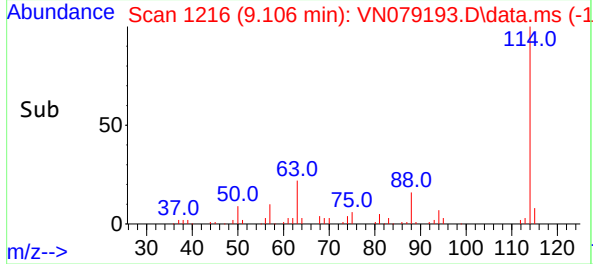
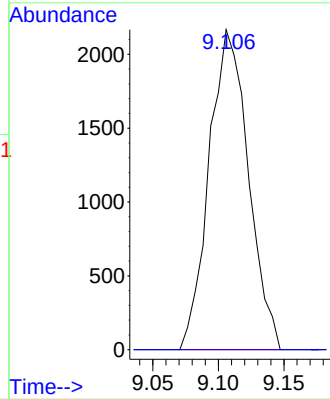
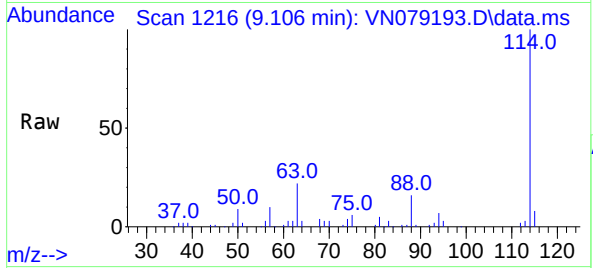




#36
1,2-Dichloroethane
Concen: 1.969 ug/l
RT: 9.106 min Scan# 1143
Delta R.T. 0.429 min
Lab File: VN079193.D
Acq: 08 Sep 2023 13:27

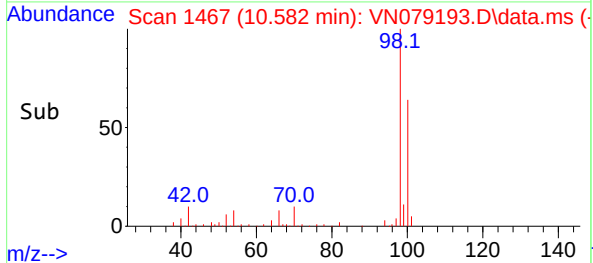
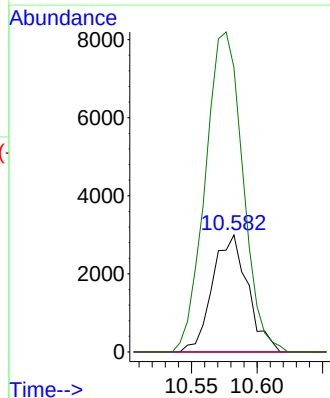
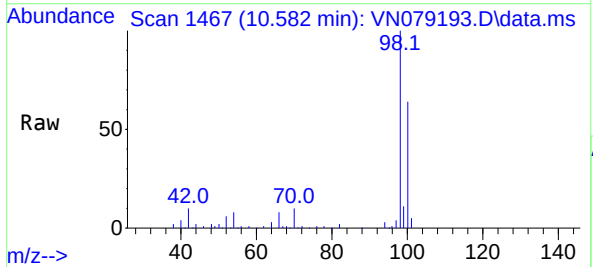
Instrument :
MSVOA_N
ClientSampleId :

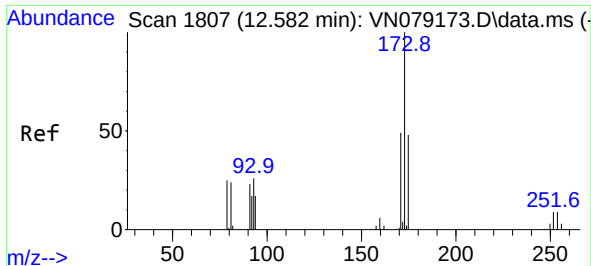
Tgt Ion: 62 Resp: 4518
Ion Ratio Lower Upper
62 100
98 0.0 8.2 12.2#



#50
1,1,2-Trichloroethane
Concen: 3.376 ug/l
RT: 10.582 min Scan# 1467
Delta R.T. -0.442 min
Lab File: VN079193.D
Acq: 08 Sep 2023 13:27

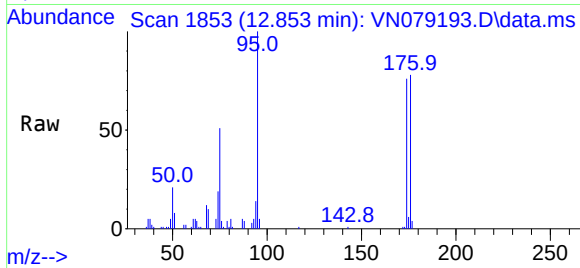
Tgt Ion: 97 Resp: 5606
Ion Ratio Lower Upper
97 100
83 0.0 68.9 103.3#
85 0.0 45.3 67.9#
99 238.0 50.4 75.6#



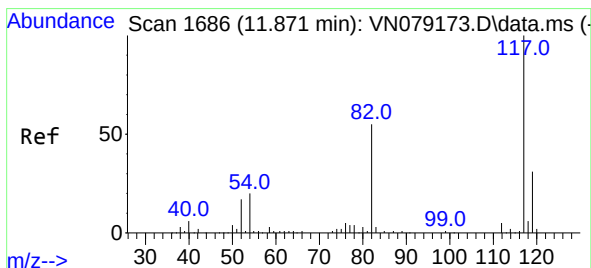
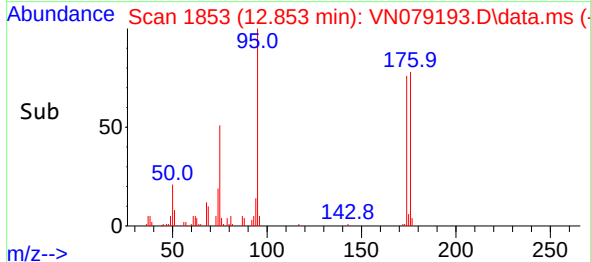
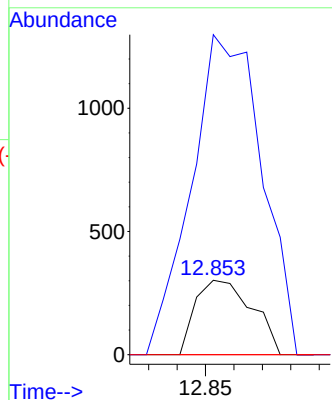


#56
Bromoform
Concen: 0.346 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.271 min
Lab File: VN079193.D
Acq: 08 Sep 2023 13:27

Instrument :
MSVOA_N
ClientSampleId :

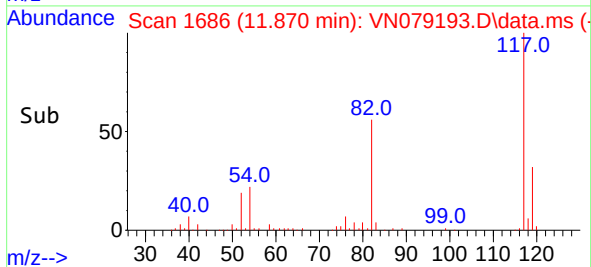
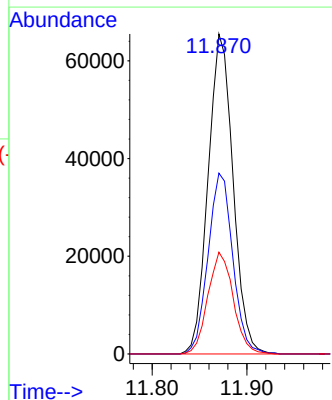
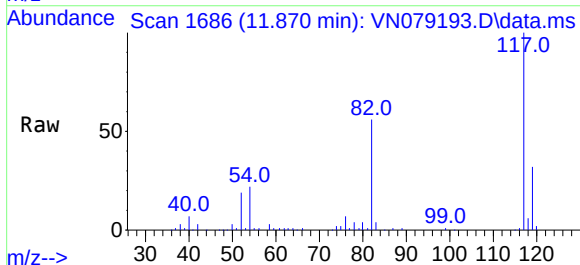


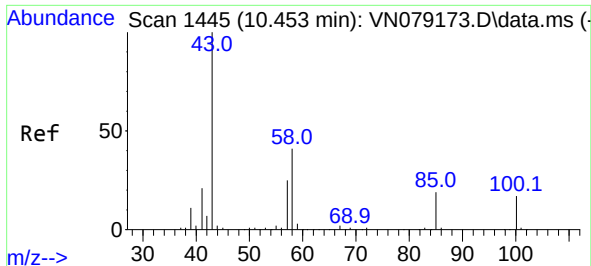
Tgt Ion:173 Resp: 420
Ion Ratio Lower Upper
173 100
175 534.3 37.6 56.4#
254 0.0 7.8 11.8#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. -0.001 min
Lab File: VN079193.D
Acq: 08 Sep 2023 13:27

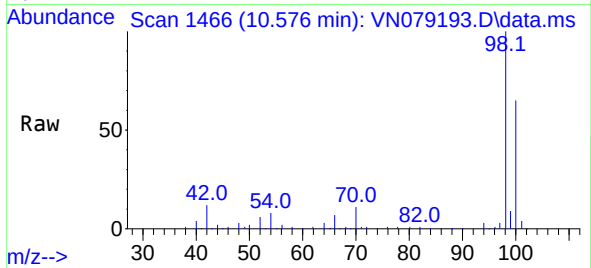
Tgt Ion:117 Resp: 119685
Ion Ratio Lower Upper
117 100
82 56.2 44.7 67.1
119 32.4 24.9 37.3



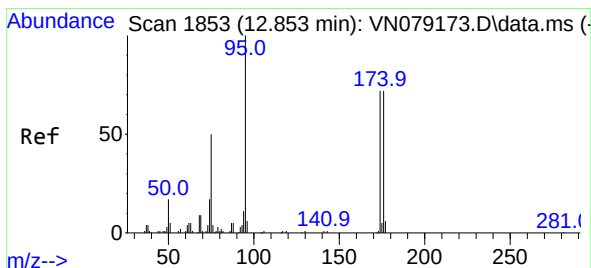
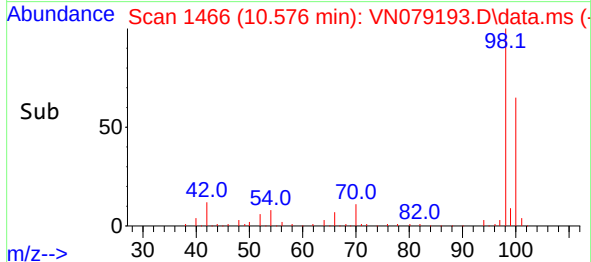
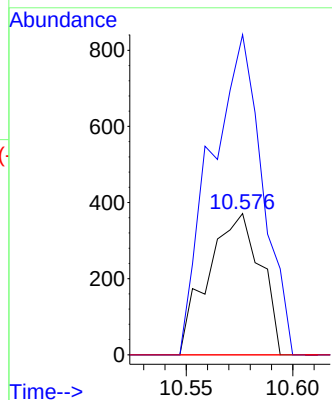


#58
 4-Methyl-2-Pentanone
 Concen: 0.290 ug/l
 RT: 10.576 min Scan# 1445
 Delta R.T. 0.123 min
 Lab File: VN079193.D
 Acq: 08 Sep 2023 13:27

Instrument :
 MSVOA_N
 ClientSampleId :

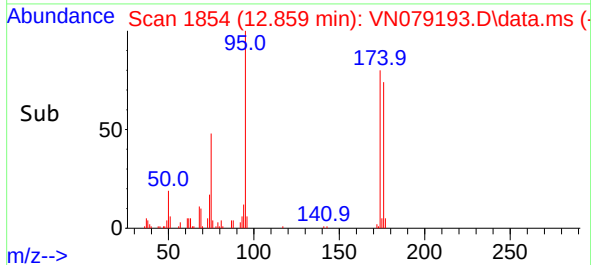
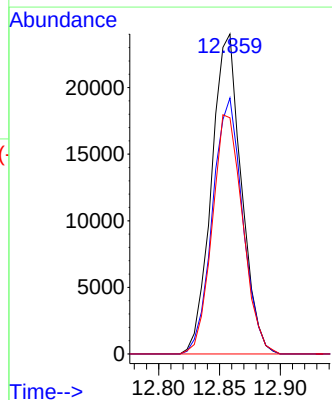
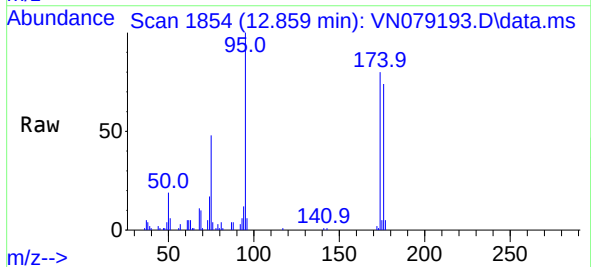


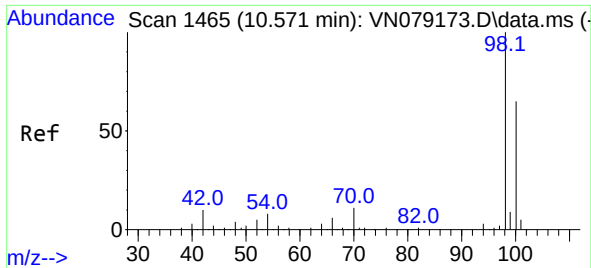
Tgt Ion: 43 Resp: 636
 Ion Ratio Lower Upper
 43 100
 58 222.8 33.6 50.4#
 85 0.0 15.0 22.4#



#60
 4-Bromofluorobenzene
 Concen: 23.262 ug/l
 RT: 12.859 min Scan# 1854
 Delta R.T. 0.006 min
 Lab File: VN079193.D
 Acq: 08 Sep 2023 13:27

Tgt Ion: 95 Resp: 41023
 Ion Ratio Lower Upper
 95 100
 174 80.7 59.5 89.3
 176 76.4 59.1 88.7

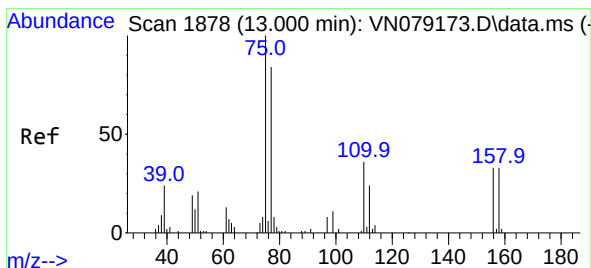
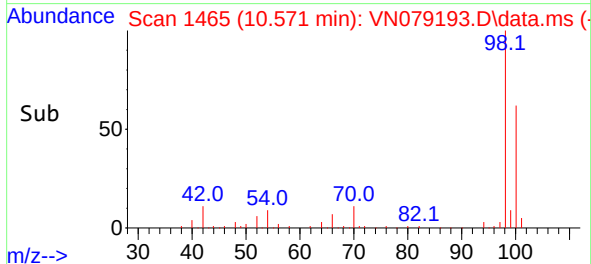
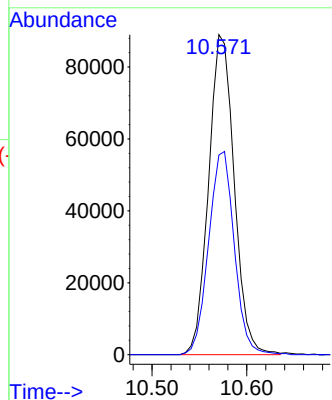
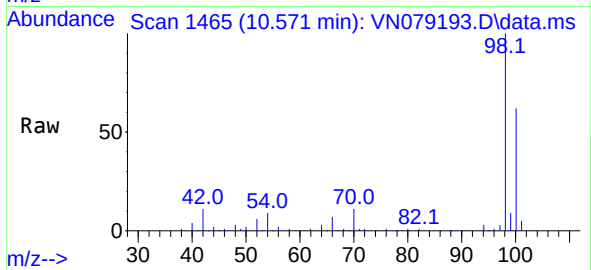




#63
Toluene-d8
Concen: 29.869 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN079193.D
Acq: 08 Sep 2023 13:27

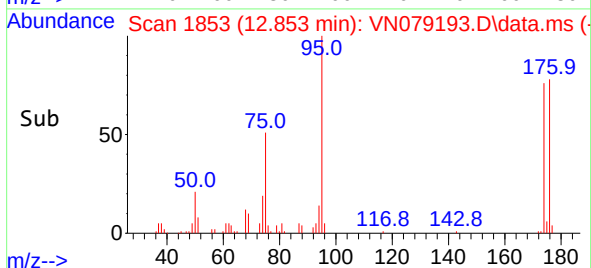
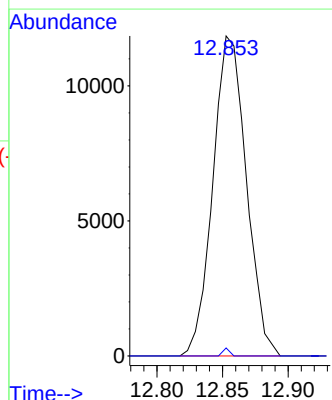
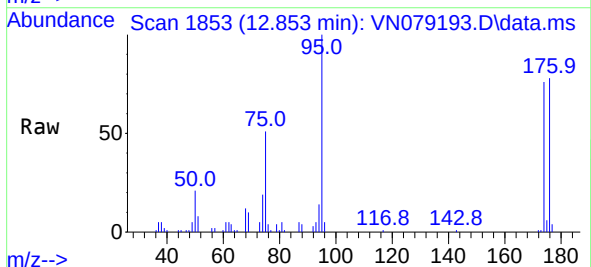
Instrument :
MSVOA_N
ClientSampleId :

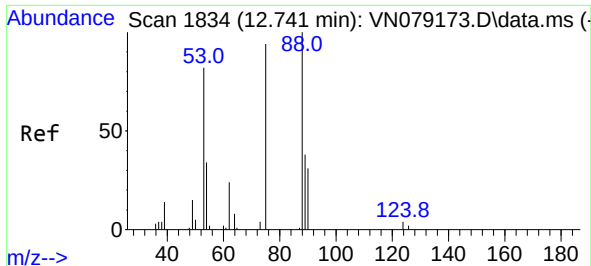
Tgt Ion: 98 Resp: 167069
Ion Ratio Lower Upper
98 100
100 63.7 52.5 78.7



#72
1,2,3-Trichloropropane
Concen: 10.346 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN079193.D
Acq: 08 Sep 2023 13:27

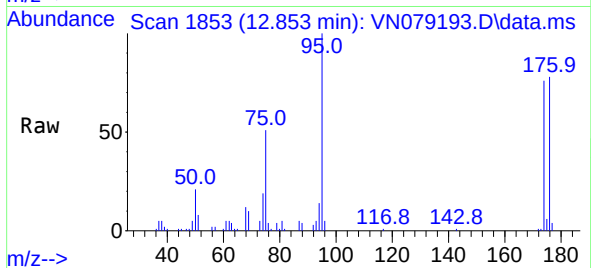
Tgt Ion: 75 Resp: 21075
Ion Ratio Lower Upper
75 100
77 0.0 0.0 252.2





#77
 t-1,4-Dichloro-2-butene
 Concen: 29.385 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN079193.D
 Acq: 08 Sep 2023 13:27

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	75	Resp:	21075
Ion	Ratio	Lower	Upper
75	100		
53	0.0	44.1	132.4#
89	0.0	22.4	67.3#

