

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102523\
 Data File : VN079680.D
 Acq On : 25 Oct 2023 14:26
 Operator : JC\MD
 Sample : 05033-02RE 10X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 26 01:36:41 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N101723W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Oct 18 02:19:15 2023
 Response via : Initial Calibration

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

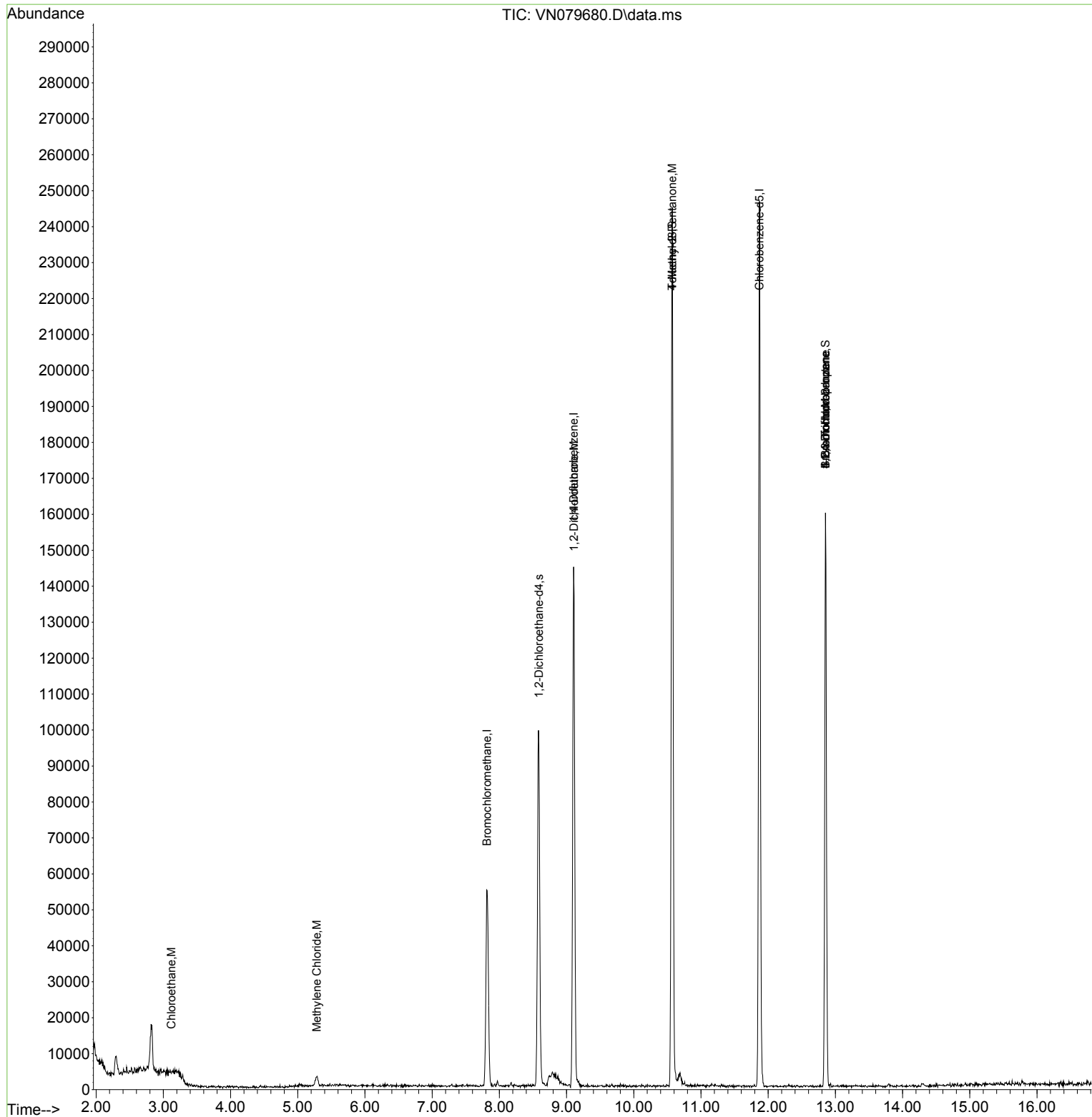
Internal Standards						
1) Bromochloromethane	7.818	128	19326	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	119780	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.871	117	138663	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.588	65	81812	29.774	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	99.233%		
60) 4-Bromofluorobenzene	12.853	95	53777	21.207	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	70.700%		
63) Toluene-d8	10.571	98	168179	28.304	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	94.333%		
Target Compounds						
					Qvalue	
6) Chloroethane	3.118	64	1175	0.426	ug/l #	46
18) Methylene Chloride	5.283	84	2063	0.644	ug/l #	68
36) 1,2-Dichloroethane	9.112	62	5082	1.338	ug/l #	75
56) Bromoform	12.853	173	447	0.259	ug/l #	37
58) 4-Methyl-2-Pentanone	10.571	43	1142	0.353	ug/l #	1
72) 1,2,3-Trichloropropane	12.853	75	29731	9.293	ug/l	1
77) t-1,4-Dichloro-2-butene	12.853	75	29731	30.449	ug/l #	7

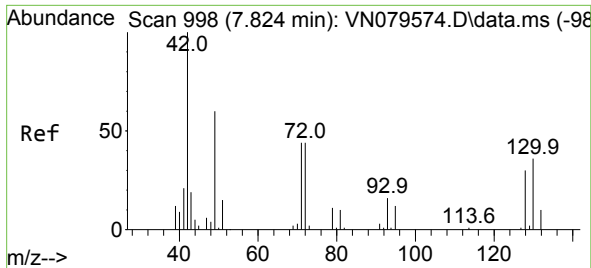
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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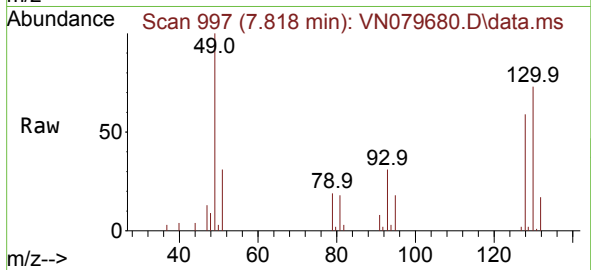
Quant Time: Oct 26 01:36:41 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N101723W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Oct 18 02:19:15 2023
Response via : Initial Calibration



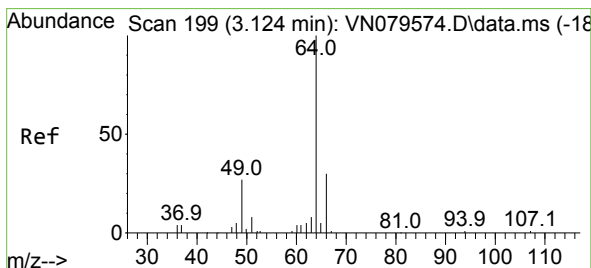
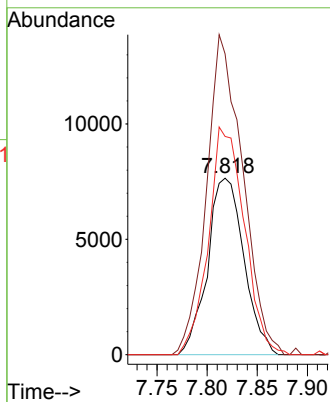
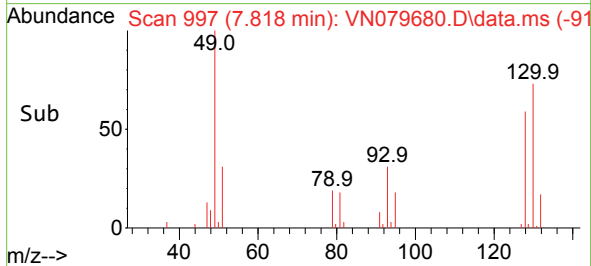


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.818 min Scan# 99
Delta R.T. -0.006 min
Lab File: VN079680.D
Acq: 25 Oct 2023 14:26

Instrument :
MSVOA_N
ClientSampleId :

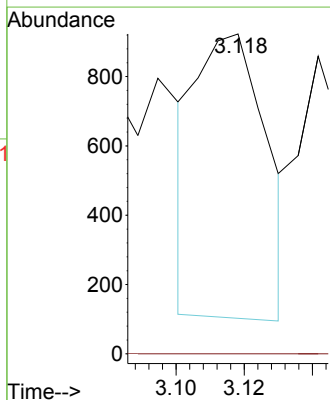
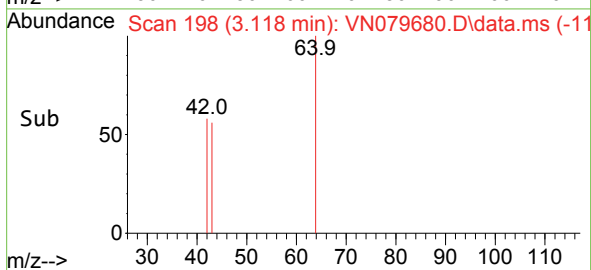
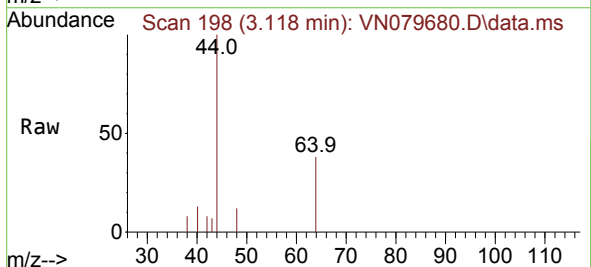


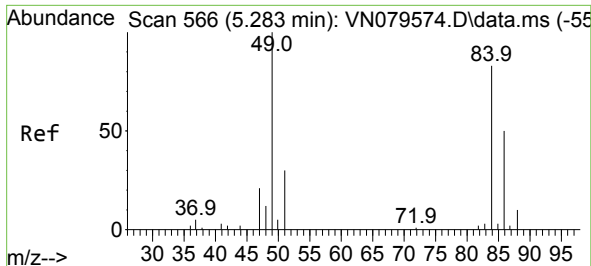
Tgt Ion:128 Resp: 19326
Ion Ratio Lower Upper
128 100
49 179.9 0.0 468.5
130 127.6 0.0 320.7



#6
Chloroethane
Concen: 0.426 ug/l
RT: 3.118 min Scan# 198
Delta R.T. -0.006 min
Lab File: VN079680.D
Acq: 25 Oct 2023 14:26

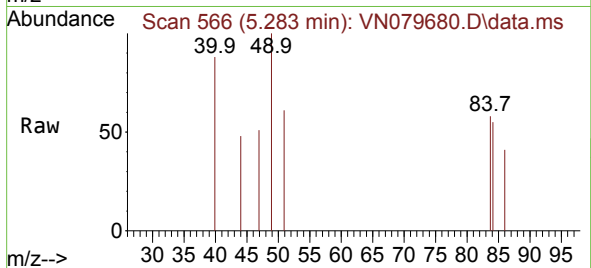
Tgt Ion: 64 Resp: 1175
Ion Ratio Lower Upper
64 100
66 0.0 23.3 34.9#





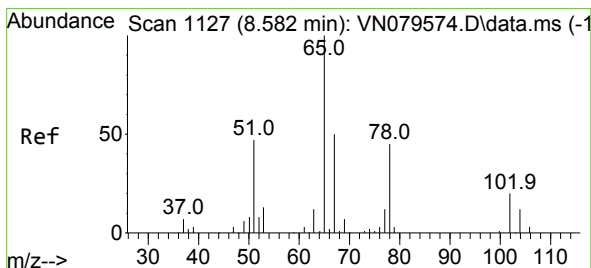
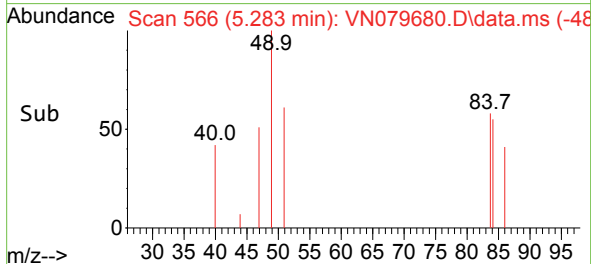
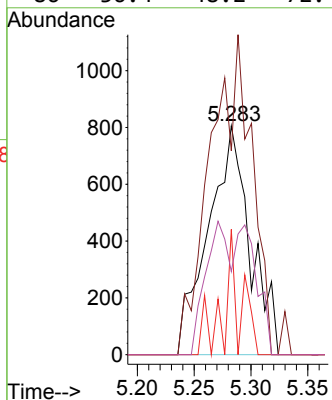
#18
Methylene Chloride
Concen: 0.644 ug/l
RT: 5.283 min Scan# 51
Delta R.T. 0.000 min
Lab File: VN079680.D
Acq: 25 Oct 2023 14:26

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 84 Resp: 2063

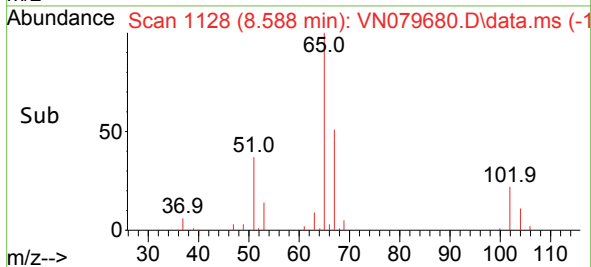
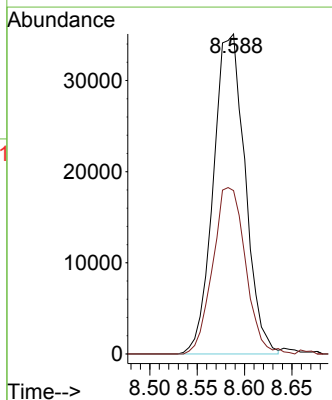
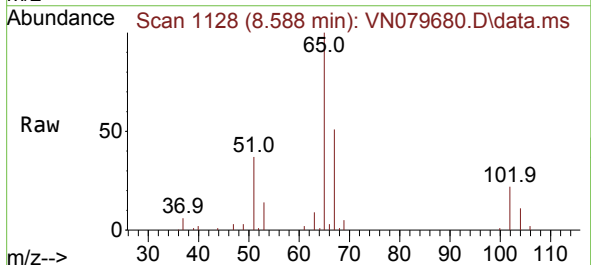
Ion	Ratio	Lower	Upper
84	100		
49	89.1	100.9	151.3#
51	54.7	29.4	44.2#
86	36.4	48.2	72.4#

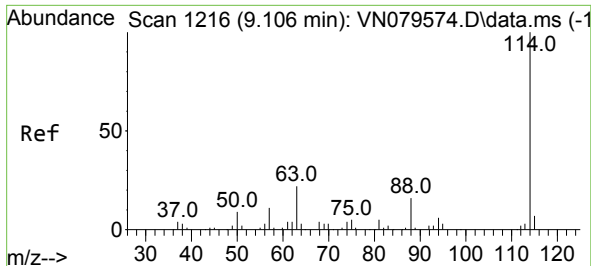


#27
1,2-Dichloroethane-d4
Concen: 29.774 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. 0.006 min
Lab File: VN079680.D
Acq: 25 Oct 2023 14:26

Tgt Ion: 65 Resp: 81812

Ion	Ratio	Lower	Upper
65	100		
67	53.6	42.1	63.1





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.106 min Scan# 119780

Delta R.T. 0.000 min

Lab File: VN079680.D

Acq: 25 Oct 2023 14:26

Instrument :

MSVOA_N

ClientSampleId :

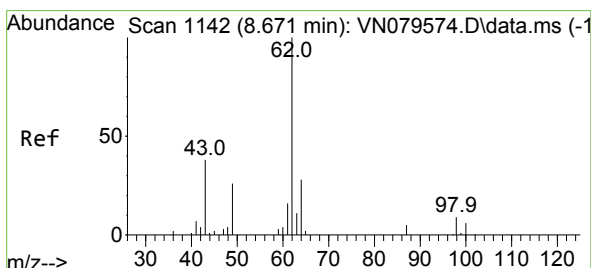
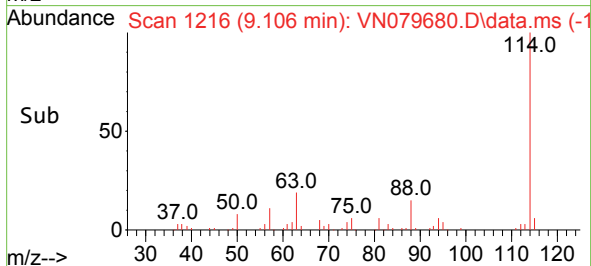
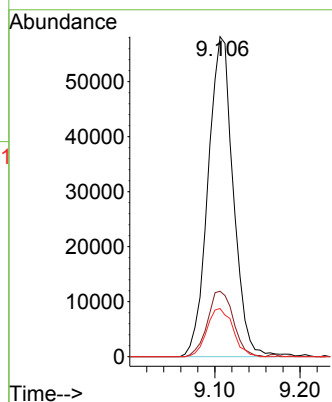
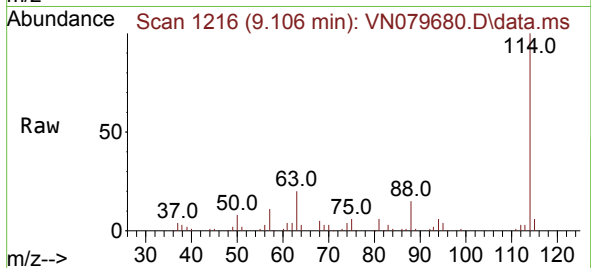
Tgt Ion:114 Resp: 119780

Ion Ratio Lower Upper

114 100

63 21.0 18.1 27.1

88 15.5 12.2 18.2



#36

1,2-Dichloroethane

Concen: 1.338 ug/l

RT: 9.112 min Scan# 1217

Delta R.T. 0.441 min

Lab File: VN079680.D

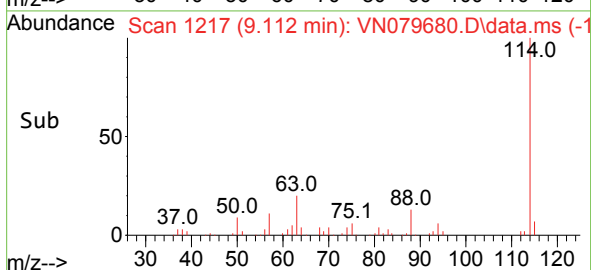
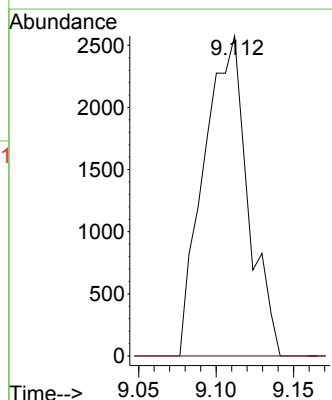
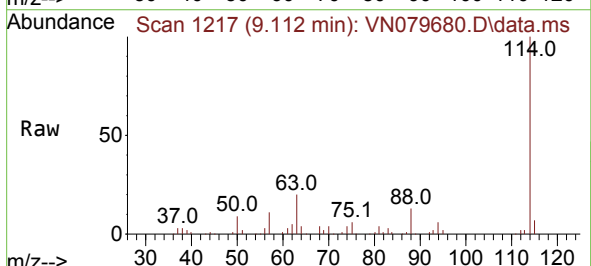
Acq: 25 Oct 2023 14:26

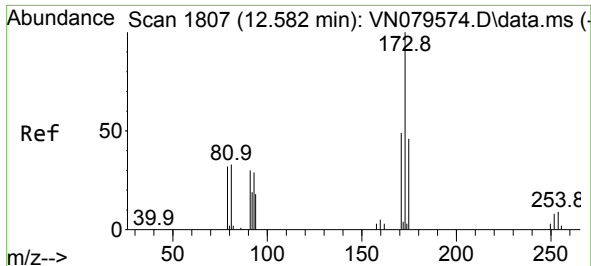
Tgt Ion: 62 Resp: 5082

Ion Ratio Lower Upper

62 100

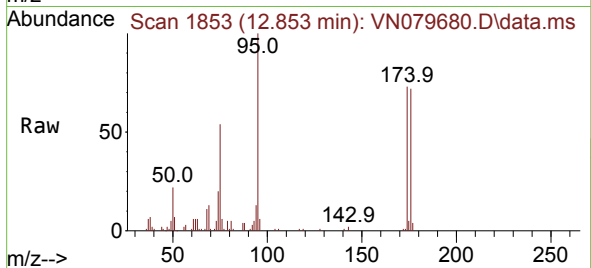
98 0.0 7.2 10.8#



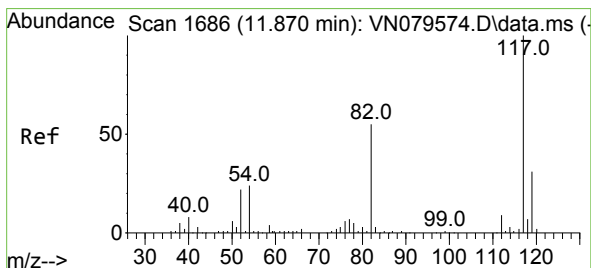
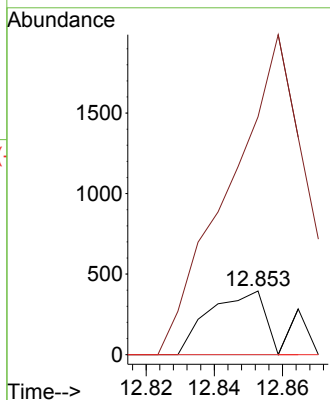
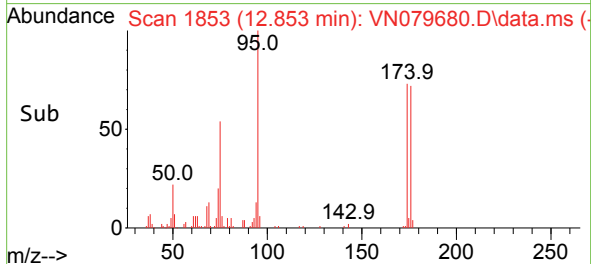


#56
Bromoform
Concen: 0.259 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.271 min
Lab File: VN079680.D
Acq: 25 Oct 2023 14:26

Instrument :
MSVOA_N
ClientSampleId :

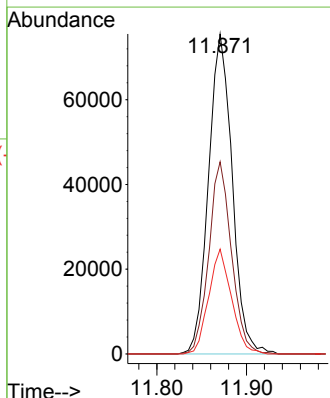
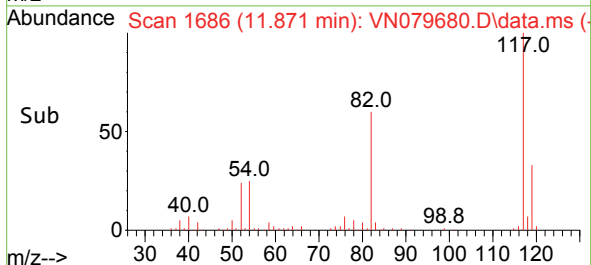
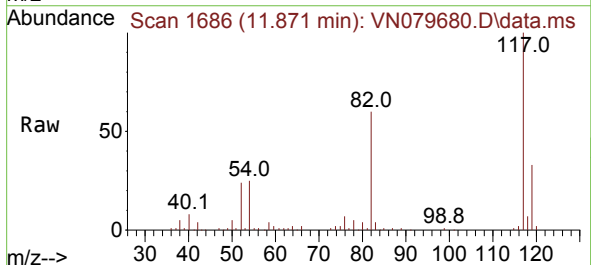


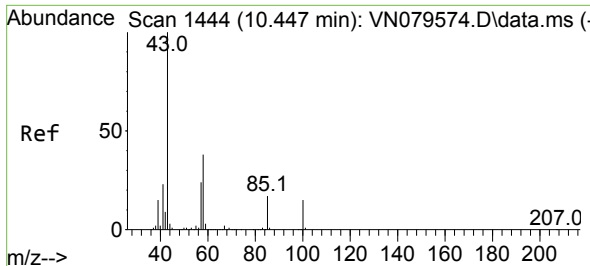
Tgt Ion:173 Resp: 447
Ion Ratio Lower Upper
173 100
175 0.0 37.9 56.9#
254 0.0 7.3 10.9#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN079680.D
Acq: 25 Oct 2023 14:26

Tgt Ion:117 Resp: 138663
Ion Ratio Lower Upper
117 100
82 57.5 46.2 69.2
119 31.5 25.2 37.8

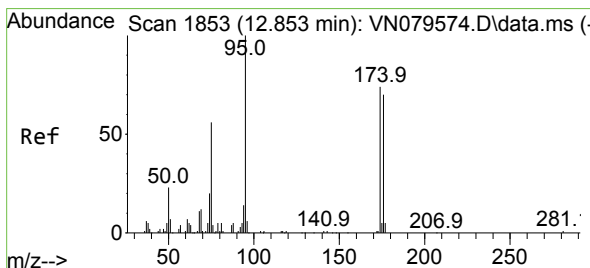
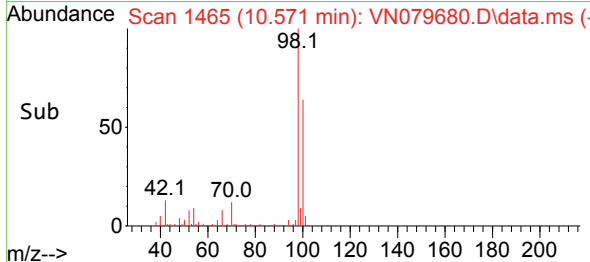
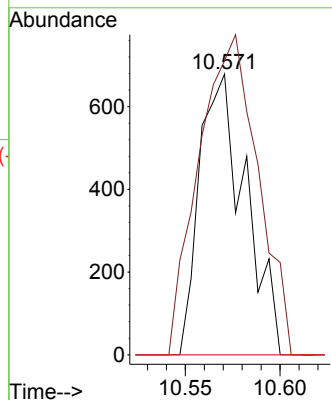
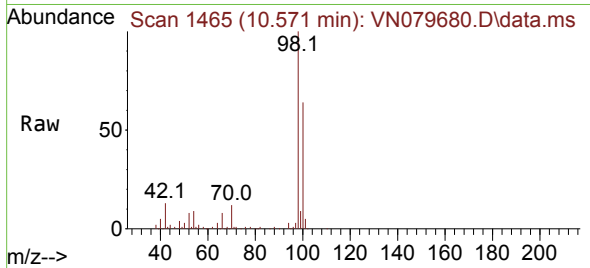




#58
 4-Methyl-2-Pentanone
 Concen: 0.353 ug/l
 RT: 10.571 min Scan# 1444
 Delta R.T. 0.124 min
 Lab File: VN079680.D
 Acq: 25 Oct 2023 14:26

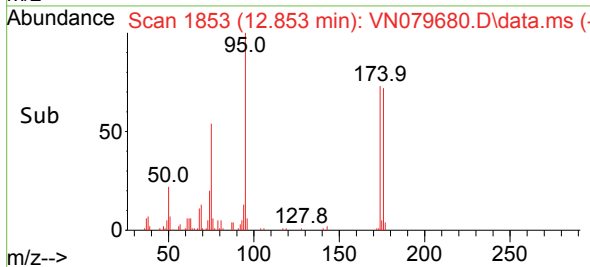
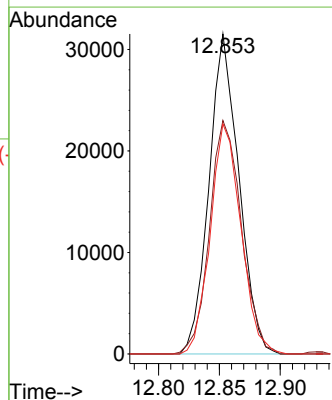
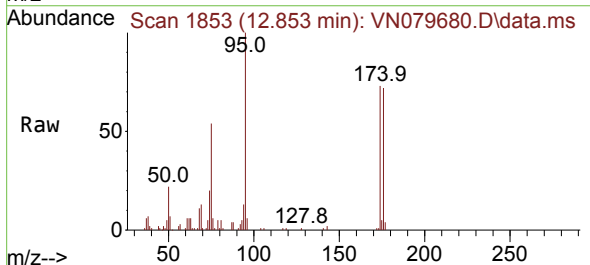
Instrument :
 MSVOA_N
 ClientSampleId :

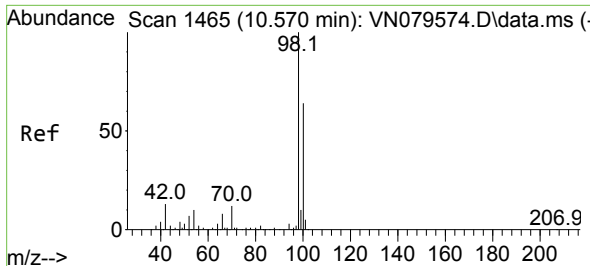
Tgt Ion: 43 Resp: 1142
 Ion Ratio Lower Upper
 43 100
 58 147.2 30.4 45.6#
 85 0.0 13.2 19.8#



#60
 4-Bromofluorobenzene
 Concen: 21.207 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. 0.000 min
 Lab File: VN079680.D
 Acq: 25 Oct 2023 14:26

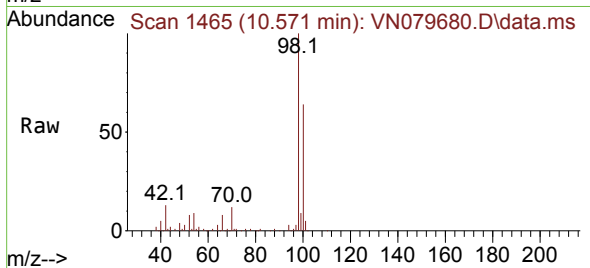
Tgt Ion: 95 Resp: 53777
 Ion Ratio Lower Upper
 95 100
 174 77.9 60.5 90.7
 176 73.8 57.2 85.8



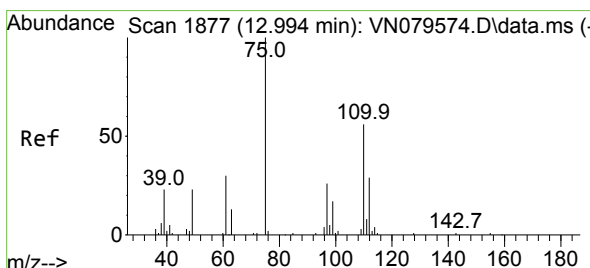
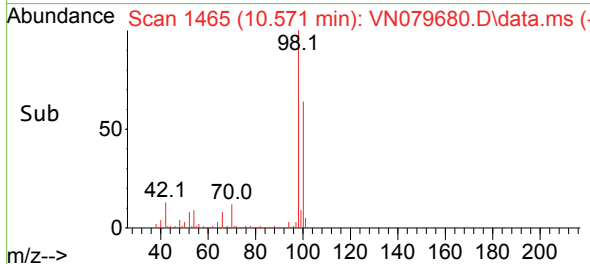
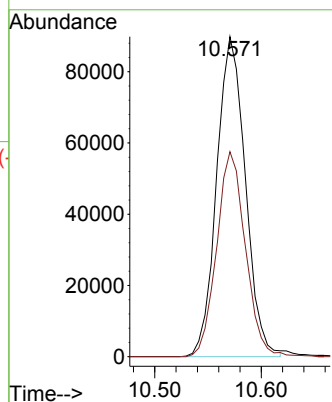


#63
Toluene-d8
Concen: 28.304 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN079680.D
Acq: 25 Oct 2023 14:26

Instrument :
MSVOA_N
ClientSampleId :

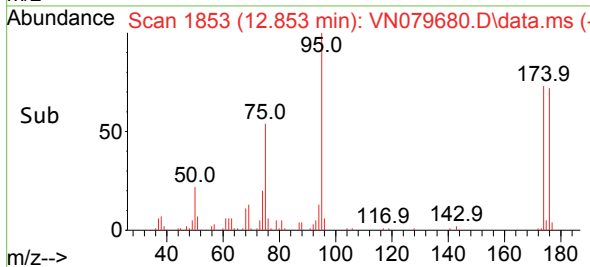
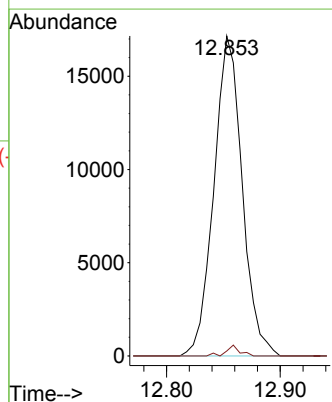
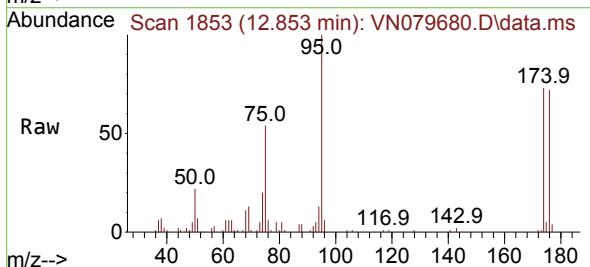


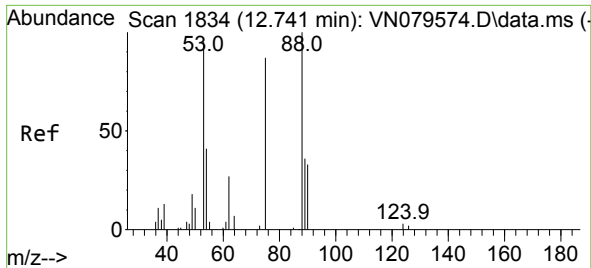
Tgt Ion: 98 Resp: 168179
Ion Ratio Lower Upper
98 100
100 64.1 51.6 77.4



#72
1,2,3-Trichloropropane
Concen: 9.293 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN079680.D
Acq: 25 Oct 2023 14:26

Tgt Ion: 75 Resp: 29731
Ion Ratio Lower Upper
75 100
77 1.4 0.0 338.2





#77

t-1,4-Dichloro-2-butene

Concen: 30.449 ug/l

RT: 12.853 min Scan# 11

Delta R.T. 0.112 min

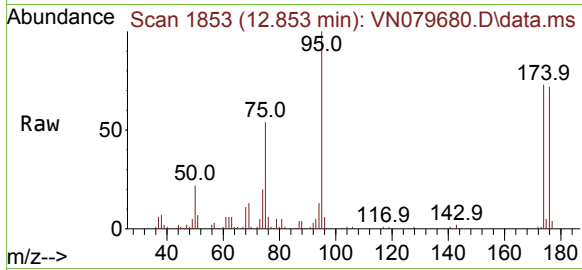
Lab File: VN079680.D

Acq: 25 Oct 2023 14:26

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 75 Resp: 29731

Ion Ratio Lower Upper

75 100

53 0.0 53.0 159.1#

89 0.0 22.6 67.7#

