

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102523\
 Data File : VN079683.D
 Acq On : 25 Oct 2023 15:50
 Operator : JC\MD
 Sample : 05054-01 10X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 26 01:37:30 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)

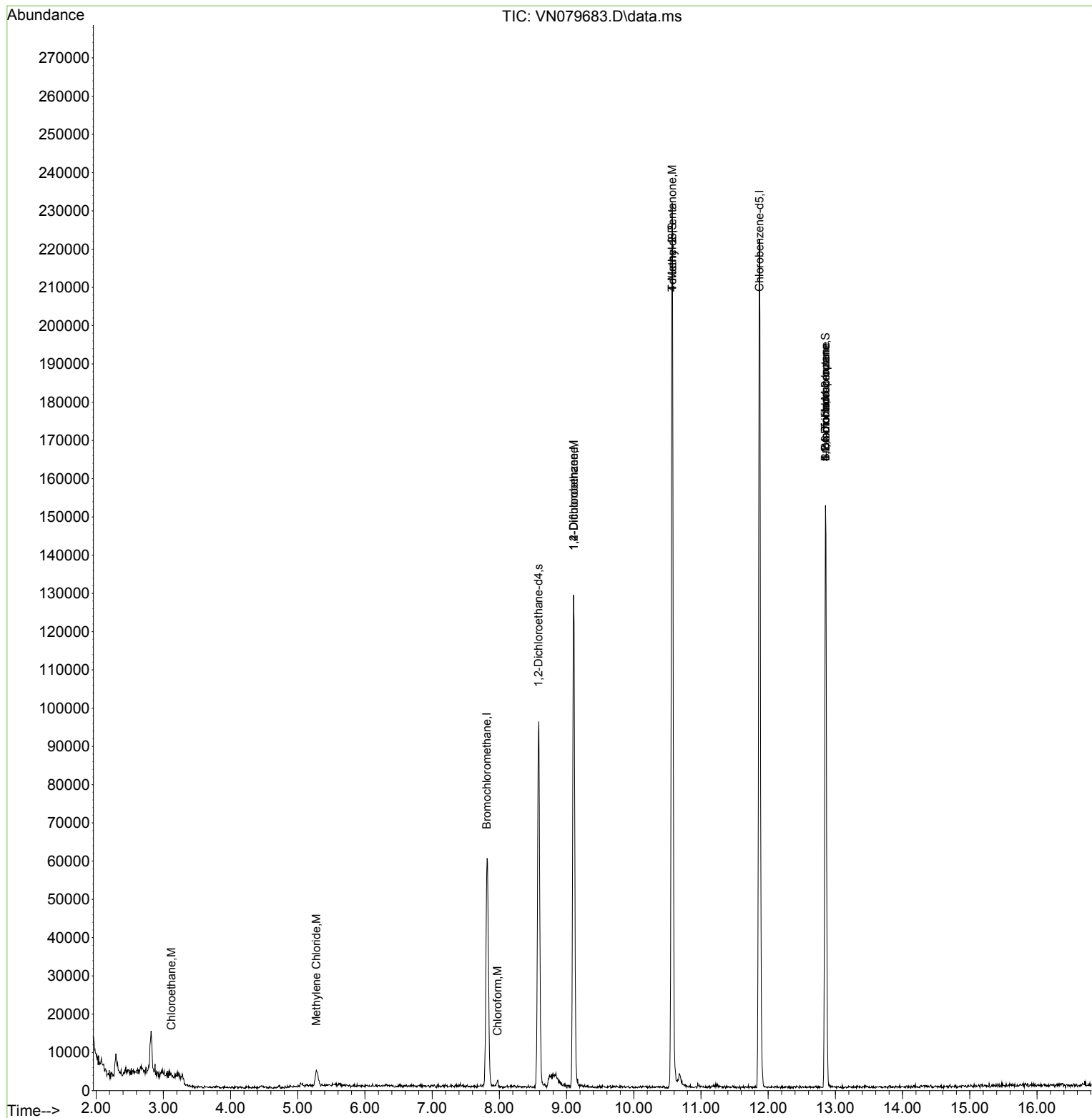
Internal Standards						
1) Bromochloromethane	7.812	128	20496	30.000	ug/l	-0.01
28) 1,4-Difluorobenzene	9.106	114	108582	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.871	117	132659	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.582	65	76881	26.383	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	87.933%#
60) 4-Bromofluorobenzene	12.853	95	53079	21.880	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	72.933%
63) Toluene-d8	10.571	98	159921	28.133	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	93.767%
Target Compounds						
					Qvalue	
6) Chloroethane	3.118	64	625	0.214	ug/l #	46
18) Methylene Chloride	5.277	84	2096	0.617	ug/l #	51
25) Chloroform	7.971	83	1413	0.228	ug/l #	63
36) 1,2-Dichloroethane	9.106	62	4424	1.285	ug/l #	75
56) Bromoform	12.853	173	677	0.432	ug/l #	1
58) 4-Methyl-2-Pentanone	10.571	43	1060	0.343	ug/l #	44
72) 1,2,3-Trichloropropane	12.853	75	29878	9.762	ug/l	1
77) t-1,4-Dichloro-2-butene	12.853	75	29878	31.984	ug/l #	7

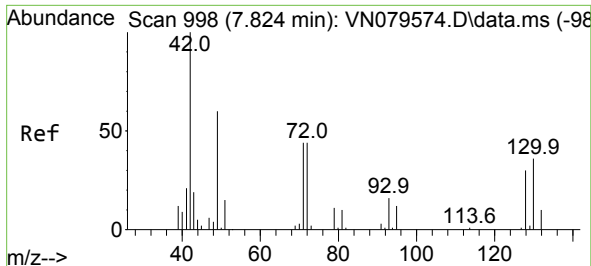
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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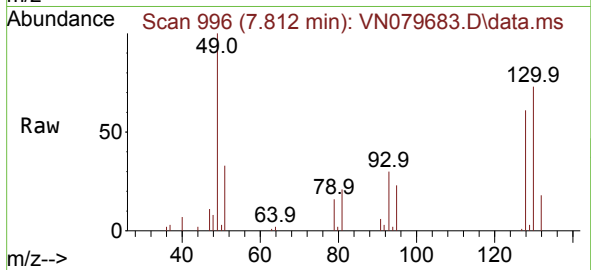
Quant Time: Oct 26 01:37:30 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N101723W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Oct 18 02:19:15 2023
Response via : Initial Calibration



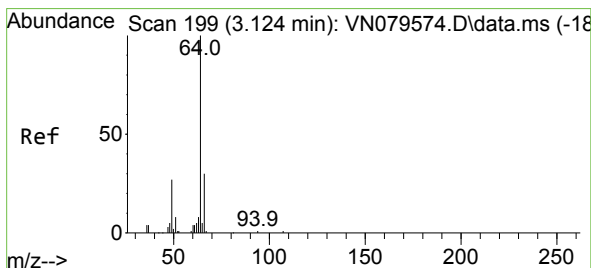
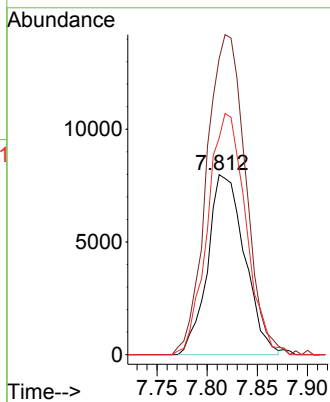
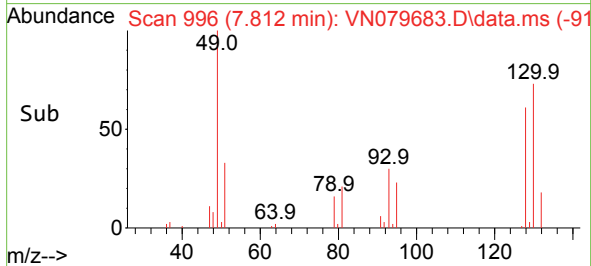


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 996
Delta R.T. -0.012 min
Lab File: VN079683.D
Acq: 25 Oct 2023 15:50

Instrument :
MSVOA_N
ClientSampleId :

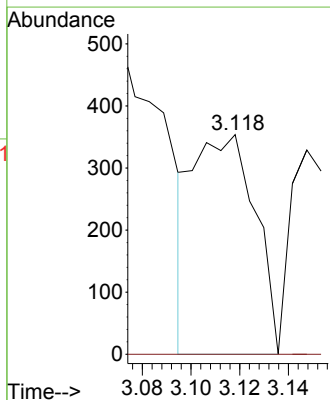
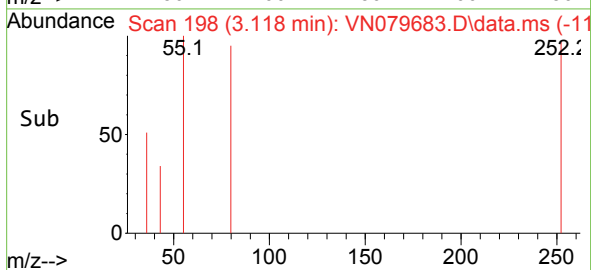
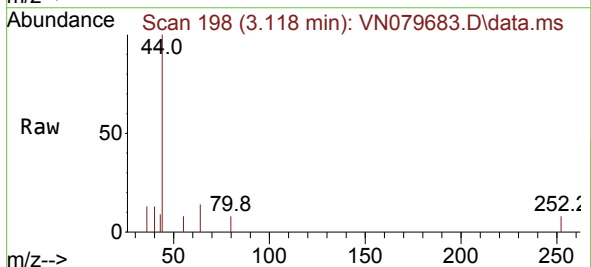


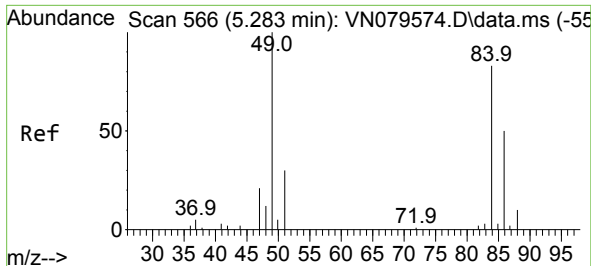
Tgt Ion:128 Resp: 20496
Ion Ratio Lower Upper
128 100
49 186.4 0.0 468.5
130 137.8 0.0 320.7



#6
Chloroethane
Concen: 0.214 ug/l
RT: 3.118 min Scan# 198
Delta R.T. -0.006 min
Lab File: VN079683.D
Acq: 25 Oct 2023 15:50

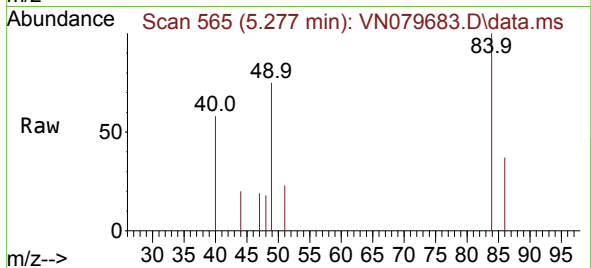
Tgt Ion: 64 Resp: 625
Ion Ratio Lower Upper
64 100
66 0.0 23.3 34.9#



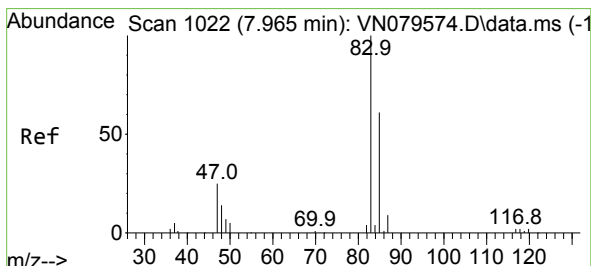
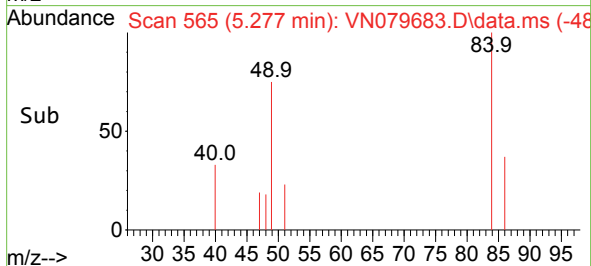
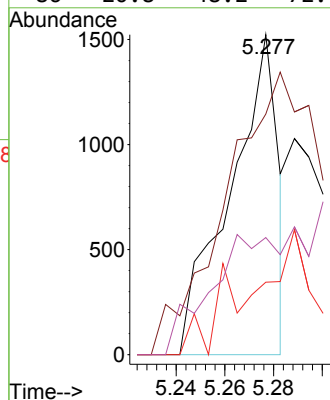


#18
Methylene Chloride
Concen: 0.617 ug/l
RT: 5.277 min Scan# 509
Delta R.T. -0.006 min
Lab File: VN079683.D
Acq: 25 Oct 2023 15:50

Instrument :
MSVOA_N
ClientSampleId :

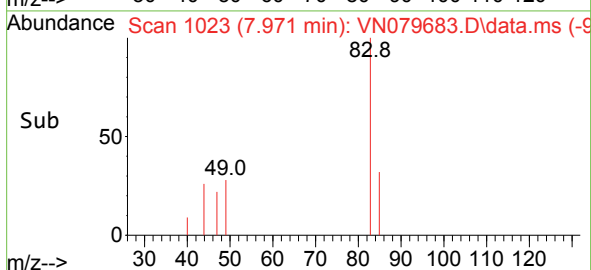
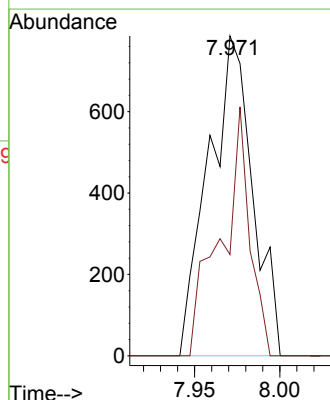
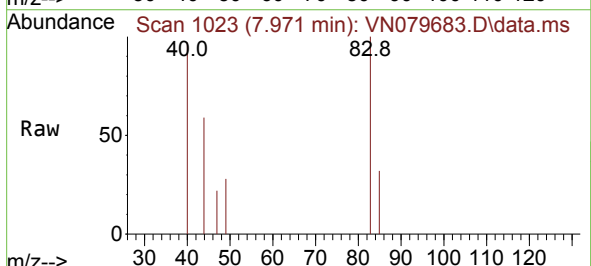


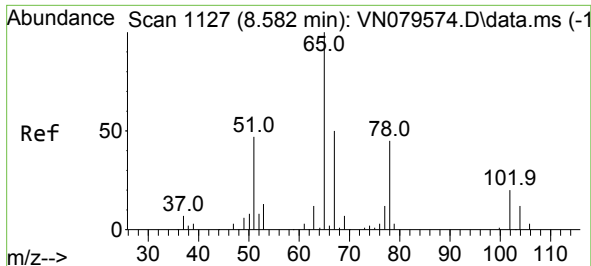
Tgt Ion: 84 Resp: 2096
Ion Ratio Lower Upper
84 100
49 63.0 100.9 151.3#
51 22.7 29.4 44.2#
86 20.8 48.2 72.4#



#25
Chloroform
Concen: 0.228 ug/l
RT: 7.971 min Scan# 1023
Delta R.T. 0.006 min
Lab File: VN079683.D
Acq: 25 Oct 2023 15:50

Tgt Ion: 83 Resp: 1413
Ion Ratio Lower Upper
83 100
85 31.7 47.4 71.2#





#27

1,2-Dichloroethane-d4

Concen: 26.383 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VN079683.D

Acq: 25 Oct 2023 15:50

Instrument :

MSVOA_N

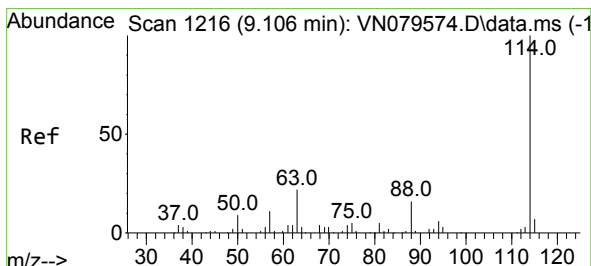
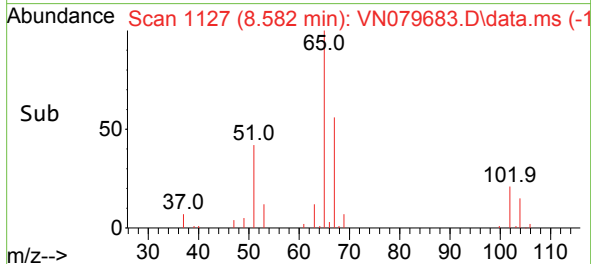
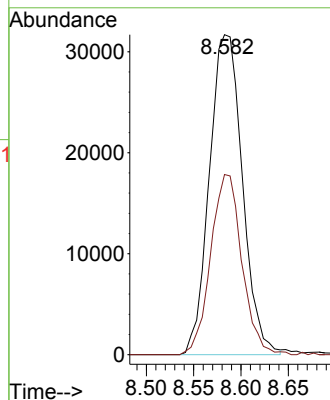
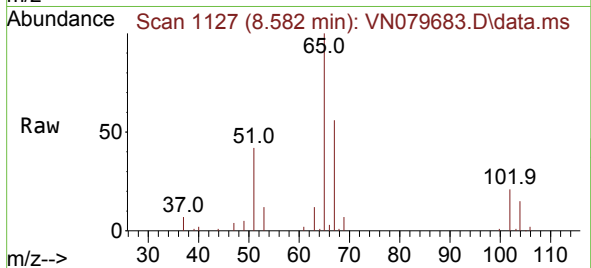
ClientSampleId :

Tgt Ion: 65 Resp: 76881

Ion Ratio Lower Upper

65 100

67 52.9 42.1 63.1



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.000 min

Lab File: VN079683.D

Acq: 25 Oct 2023 15:50

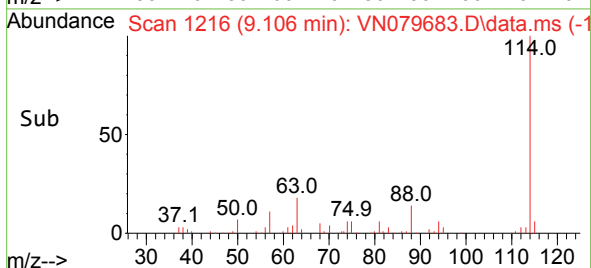
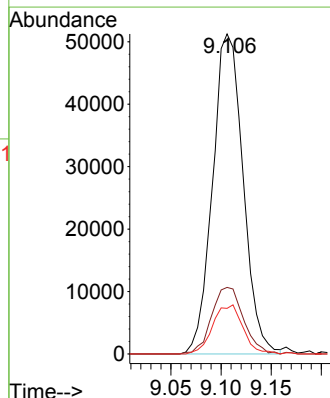
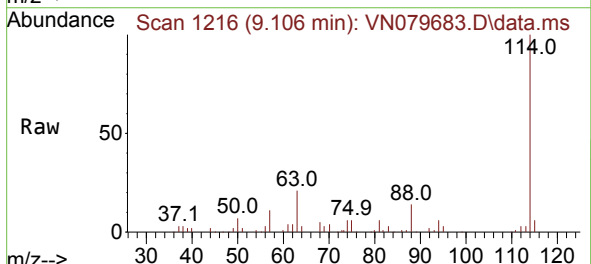
Tgt Ion: 114 Resp: 108582

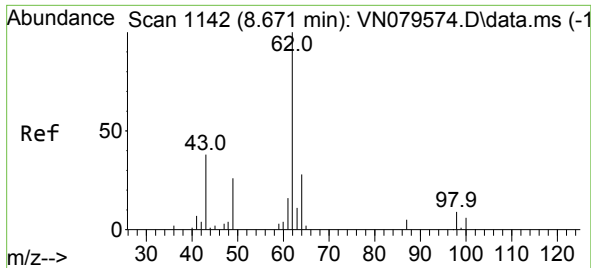
Ion Ratio Lower Upper

114 100

63 21.7 18.1 27.1

88 15.2 12.2 18.2

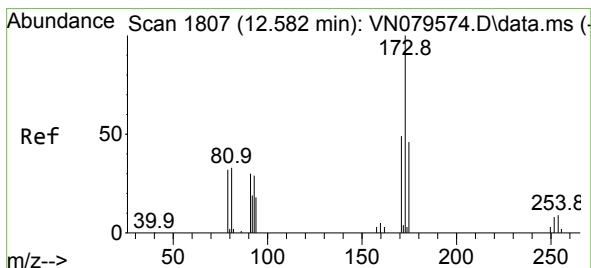
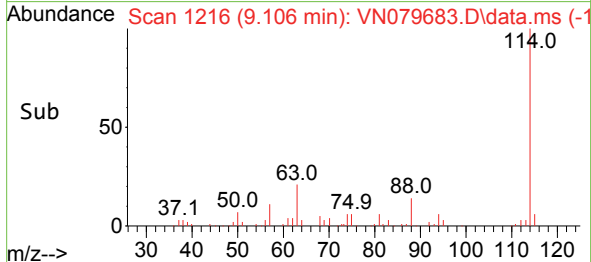
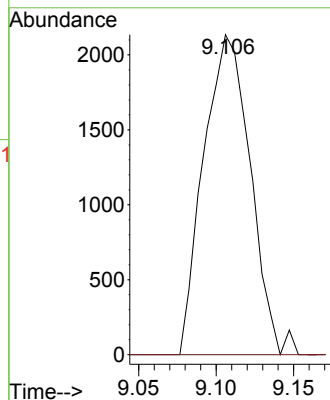
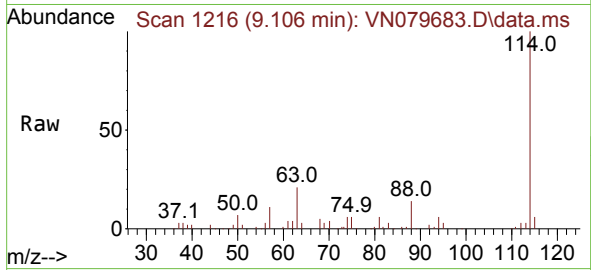




#36
1,2-Dichloroethane
Concen: 1.285 ug/l
RT: 9.106 min Scan# 1142
Delta R.T. 0.435 min
Lab File: VN079683.D
Acq: 25 Oct 2023 15:50

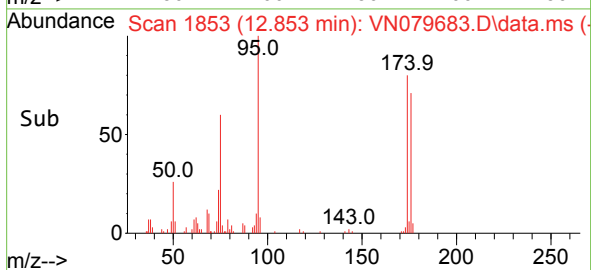
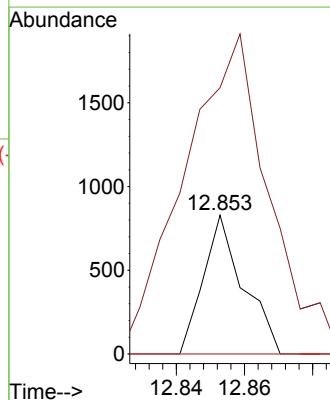
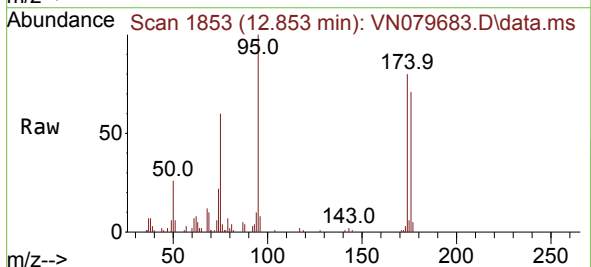
Instrument :
MSVOA_N
ClientSampleId :

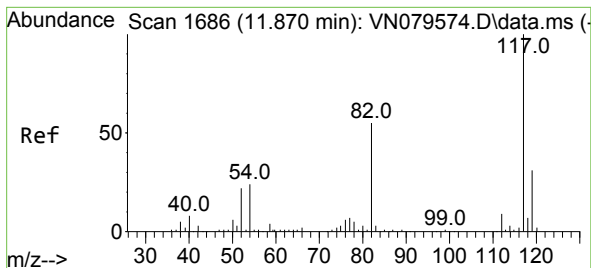
Tgt Ion: 62 Resp: 4424
Ion Ratio Lower Upper
62 100
98 0.0 7.2 10.8#



#56
Bromoform
Concen: 0.432 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.271 min
Lab File: VN079683.D
Acq: 25 Oct 2023 15:50

Tgt Ion: 173 Resp: 677
Ion Ratio Lower Upper
173 100
175 485.8 37.9 56.9#
254 0.0 7.3 10.9#

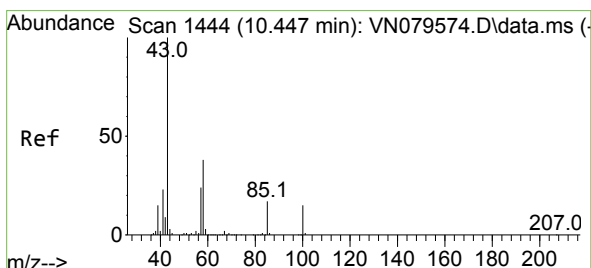
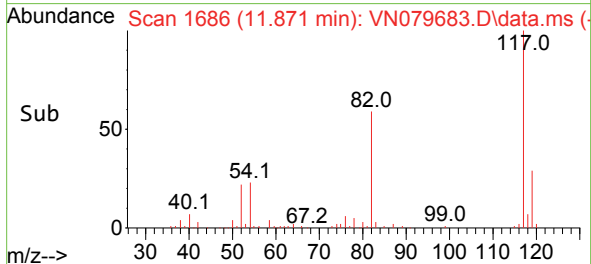
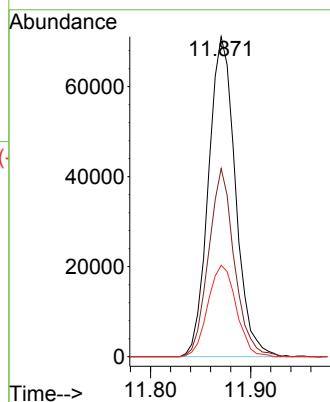
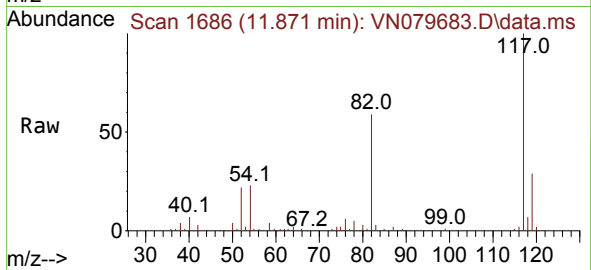




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.871 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN079683.D
Acq: 25 Oct 2023 15:50

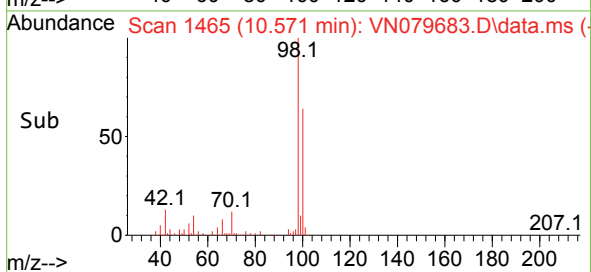
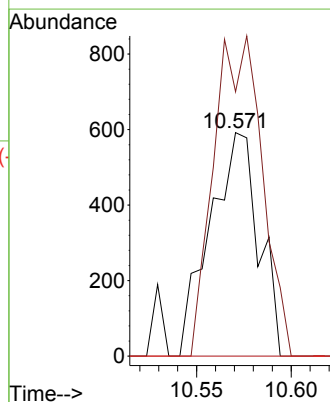
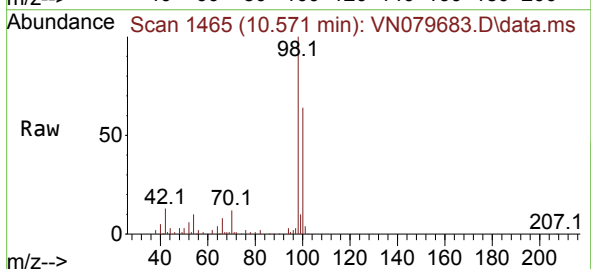
Instrument :
MSVOA_N
ClientSampleId :

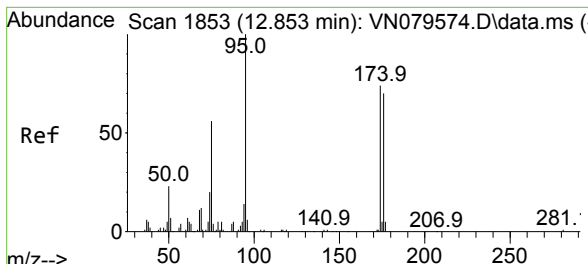
Tgt Ion:117 Resp: 132659
Ion Ratio Lower Upper
117 100
82 56.4 46.2 69.2
119 30.0 25.2 37.8



#58
4-Methyl-2-Pentanone
Concen: 0.343 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.124 min
Lab File: VN079683.D
Acq: 25 Oct 2023 15:50

Tgt Ion: 43 Resp: 1060
Ion Ratio Lower Upper
43 100
58 76.6 30.4 45.6#
85 0.0 13.2 19.8#

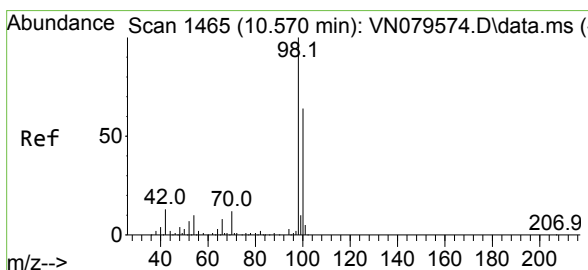
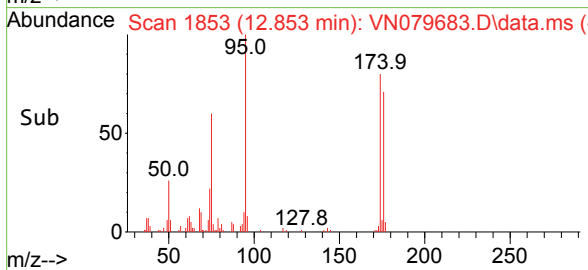
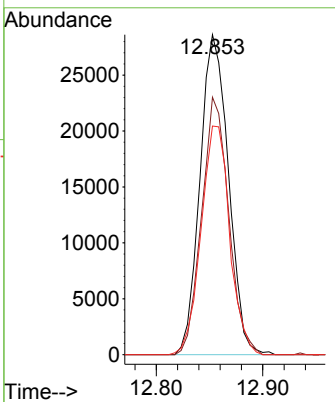
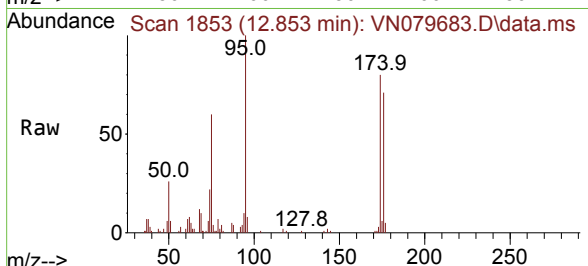




#60
 4-Bromofluorobenzene
 Concen: 21.880 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VN079683.D
 Acq: 25 Oct 2023 15:50

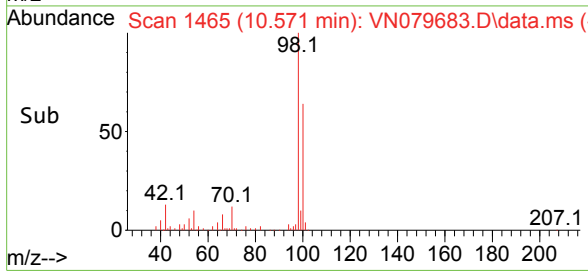
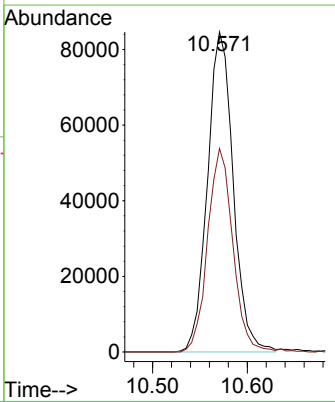
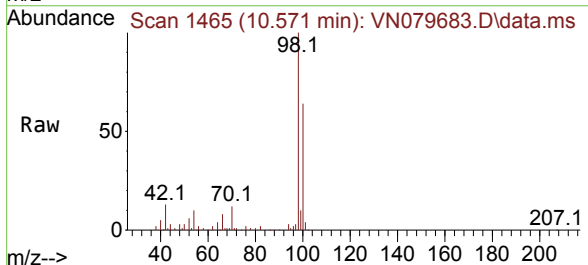
Instrument :
 MSVOA_N
 ClientSampleId :

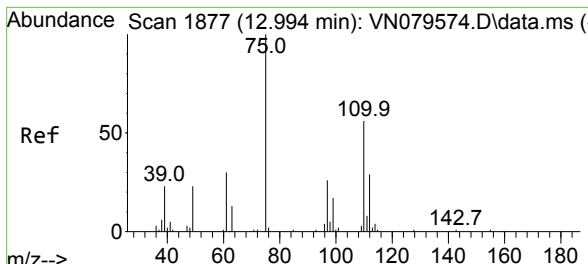
Tgt Ion:	95	Resp:	53079
Ion Ratio	Lower	Upper	
95	100		
174	76.5	60.5	90.7
176	71.7	57.2	85.8



#63
 Toluene-d8
 Concen: 28.133 ug/l
 RT: 10.571 min Scan# 1465
 Delta R.T. 0.000 min
 Lab File: VN079683.D
 Acq: 25 Oct 2023 15:50

Tgt Ion:	98	Resp:	159921
Ion Ratio	Lower	Upper	
98	100		
100	62.1	51.6	77.4

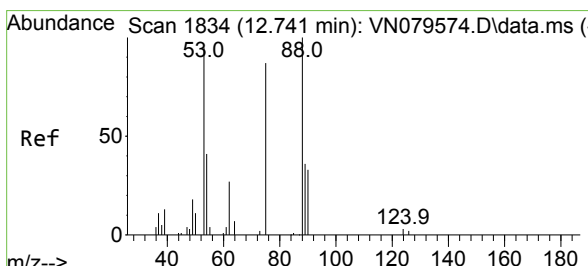
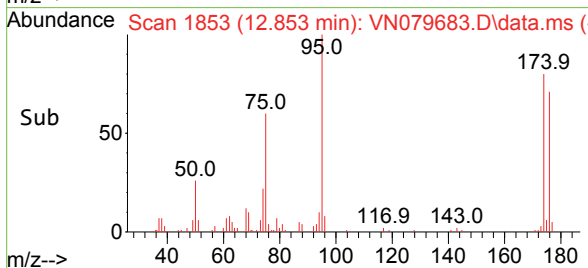
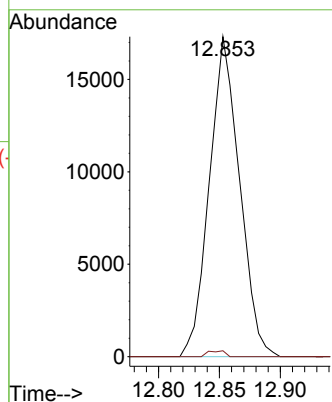
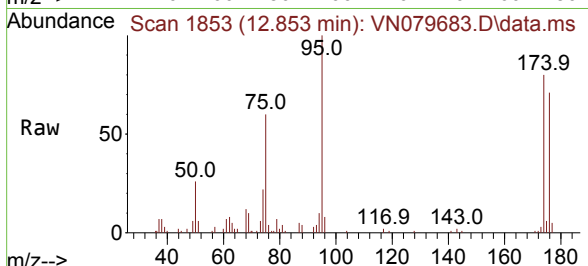




#72
 1,2,3-Trichloropropane
 Concen: 9.762 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. -0.141 min
 Lab File: VN079683.D
 Acq: 25 Oct 2023 15:50

Instrument :
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Tgt Ion: 75 Resp: 29878
 Ion Ratio Lower Upper
 75 100
 77 1.0 0.0 338.2



#77
 t-1,4-Dichloro-2-butene
 Concen: 31.984 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. 0.112 min
 Lab File: VN079683.D
 Acq: 25 Oct 2023 15:50

Tgt Ion: 75 Resp: 29878
 Ion Ratio Lower Upper
 75 100
 53 0.0 53.0 159.1#
 89 0.0 22.6 67.7#

