

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102523\
 Data File : VN079685.D
 Acq On : 25 Oct 2023 16:38
 Operator : JC\MD
 Sample : 05054-03 10X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 26 01:38:06 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)

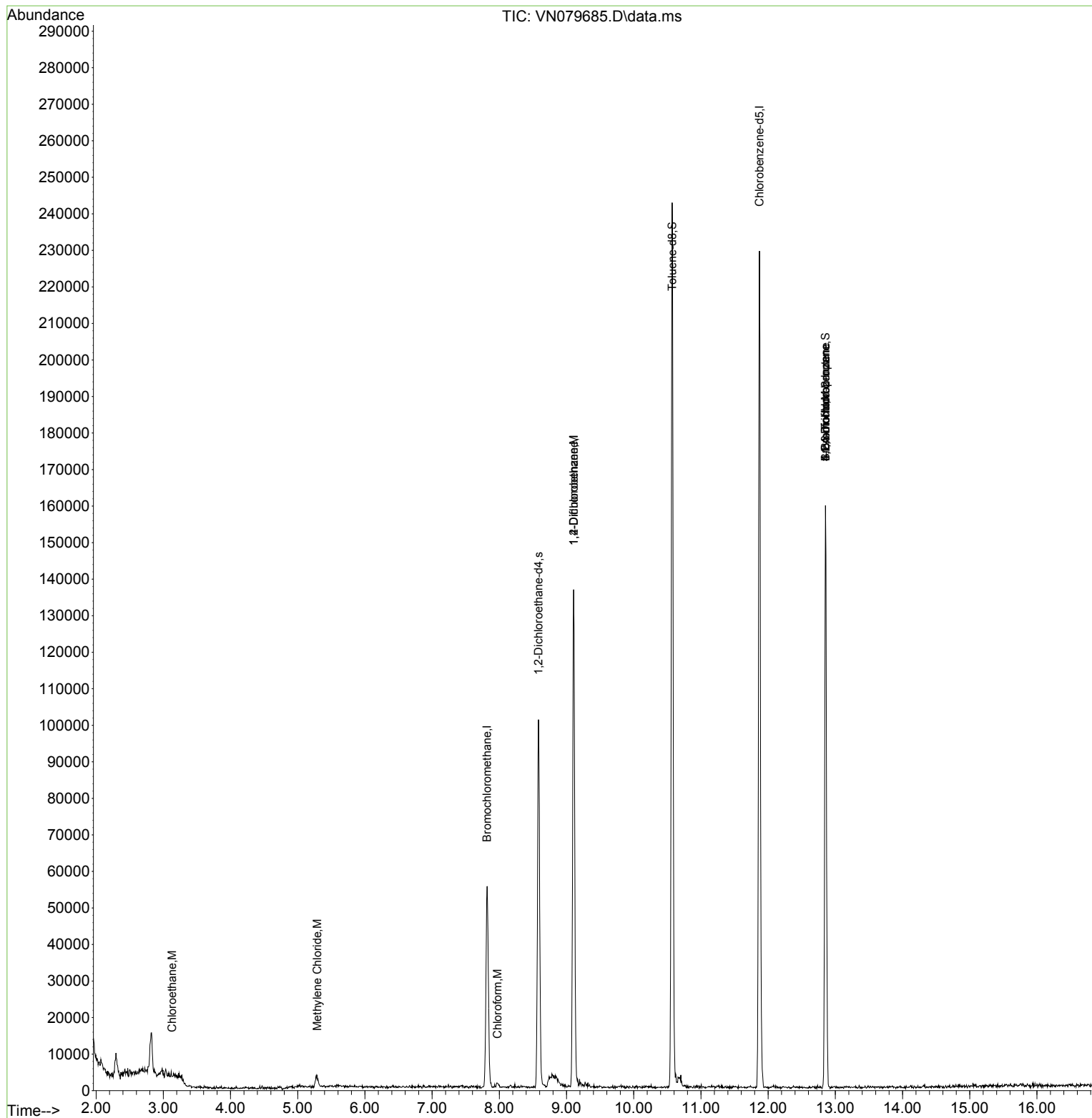
Internal Standards						
1) Bromochloromethane	7.818	128	17880	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	114379	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.871	117	137504	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.583	65	80405	31.629	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	105.433%
60) 4-Bromofluorobenzene	12.853	95	54254	21.576	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	71.933%
63) Toluene-d8	10.571	98	165723	28.126	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	93.767%
Target Compounds						
					Qvalue	
6) Chloroethane	3.130	64	581	0.228	ug/l #	46
18) Methylene Chloride	5.289	84	1323	0.446	ug/l #	57
25) Chloroform	7.971	83	1437	0.266	ug/l	93
36) 1,2-Dichloroethane	9.106	62	4676	1.290	ug/l #	75
56) Bromoform	12.853	173	502	0.304	ug/l #	1
72) 1,2,3-Trichloropropane	12.853	75	29210	9.207	ug/l	1
77) t-1,4-Dichloro-2-butene	12.853	75	29210	30.167	ug/l #	7

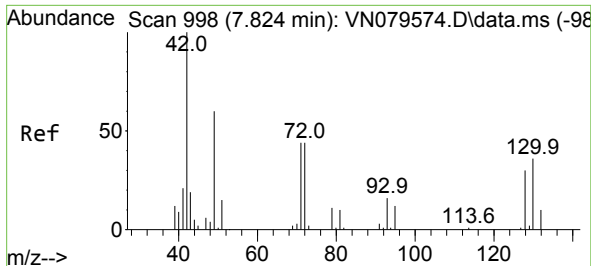
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_N
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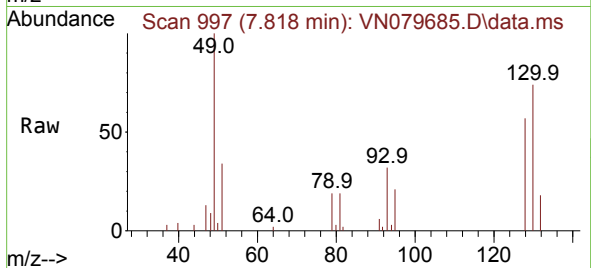
Quant Time: Oct 26 01:38:06 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N101723W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Oct 18 02:19:15 2023
Response via : Initial Calibration



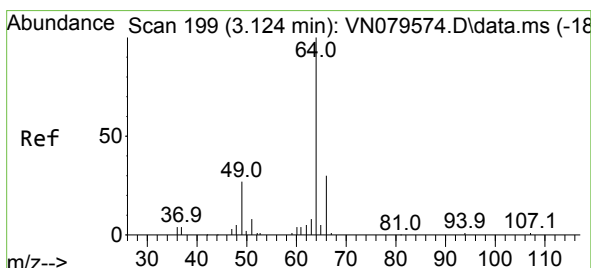
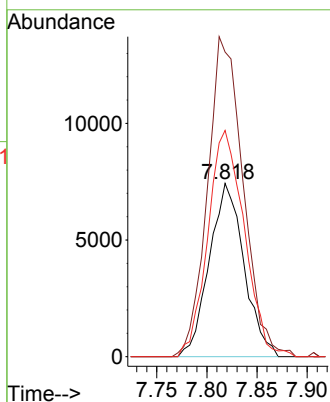
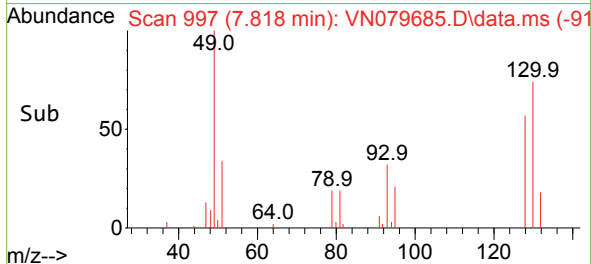


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.818 min Scan# 91
Delta R.T. -0.006 min
Lab File: VN079685.D
Acq: 25 Oct 2023 16:38

Instrument :
MSVOA_N
ClientSampleId :

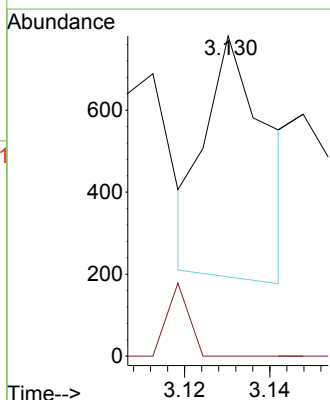
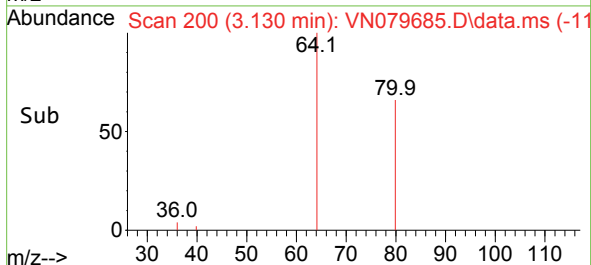
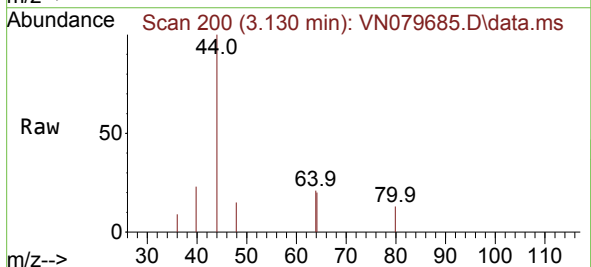


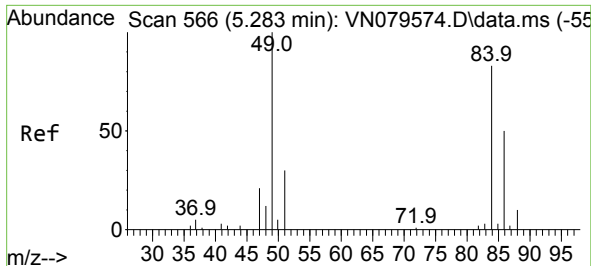
Tgt Ion:128 Resp: 17880
Ion Ratio Lower Upper
128 100
49 188.5 0.0 468.5
130 137.2 0.0 320.7



#6
Chloroethane
Concen: 0.228 ug/l
RT: 3.130 min Scan# 200
Delta R.T. 0.006 min
Lab File: VN079685.D
Acq: 25 Oct 2023 16:38

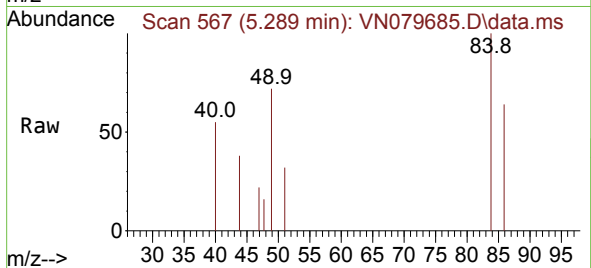
Tgt Ion: 64 Resp: 581
Ion Ratio Lower Upper
64 100
66 0.0 23.3 34.9#





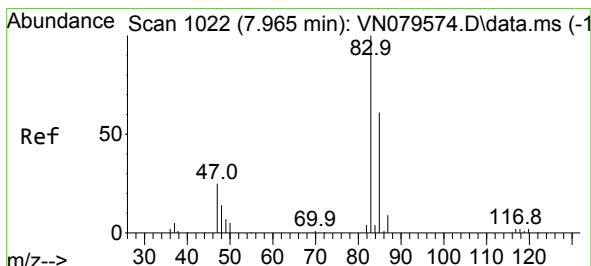
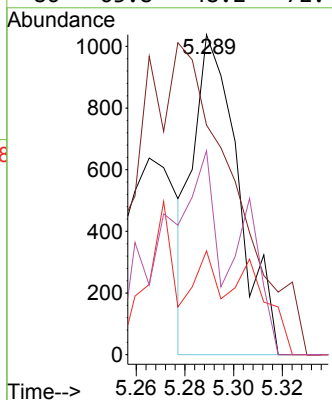
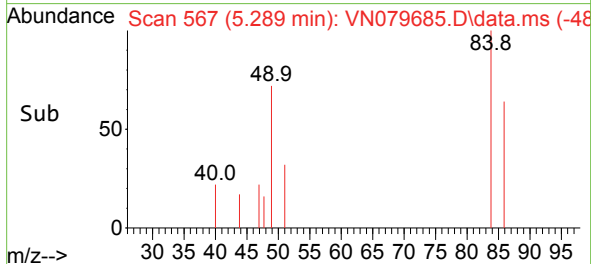
#18
Methylene Chloride
Concen: 0.446 ug/l
RT: 5.289 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN079685.D
Acq: 25 Oct 2023 16:38

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 84 Resp: 1323

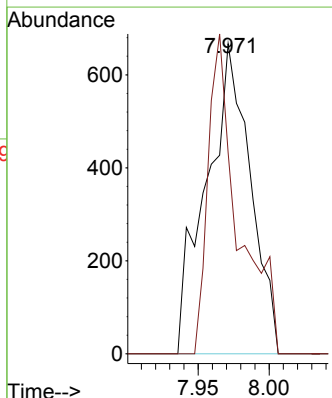
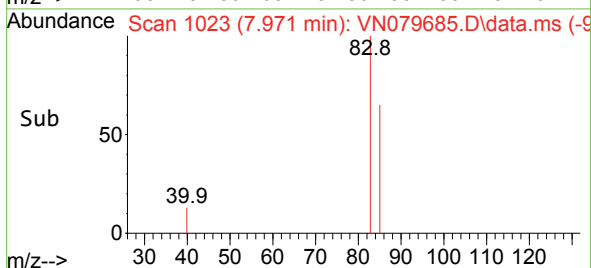
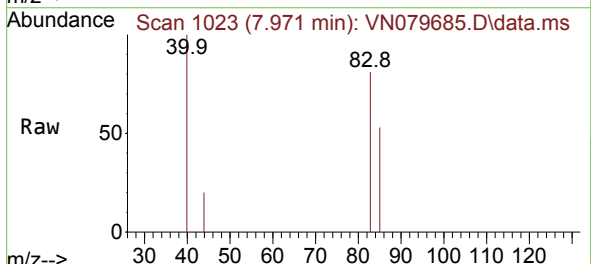
Ion	Ratio	Lower	Upper
84	100		
49	52.2	100.9	151.3#
51	17.5	29.4	44.2#
86	63.8	48.2	72.4

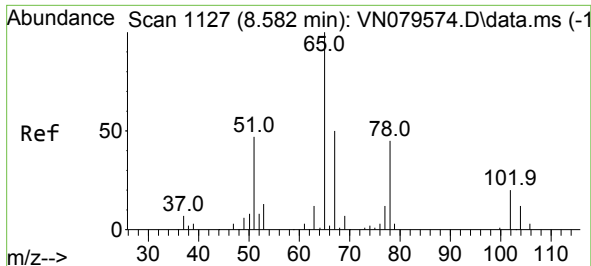


#25
Chloroform
Concen: 0.266 ug/l
RT: 7.971 min Scan# 1023
Delta R.T. 0.006 min
Lab File: VN079685.D
Acq: 25 Oct 2023 16:38

Tgt Ion: 83 Resp: 1437

Ion	Ratio	Lower	Upper
83	100		
85	64.9	47.4	71.2





#27

1,2-Dichloroethane-d4

Concen: 31.629 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VN079685.D

Acq: 25 Oct 2023 16:38

Instrument :

MSVOA_N

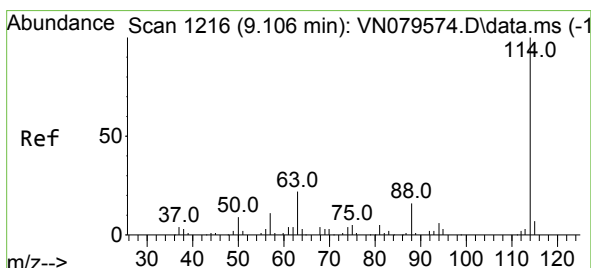
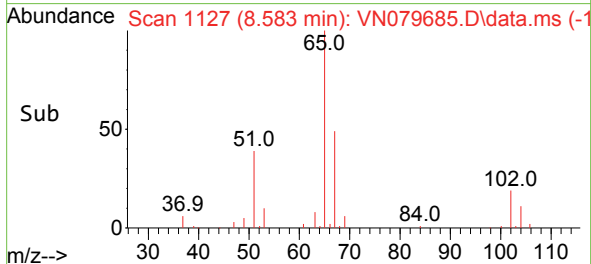
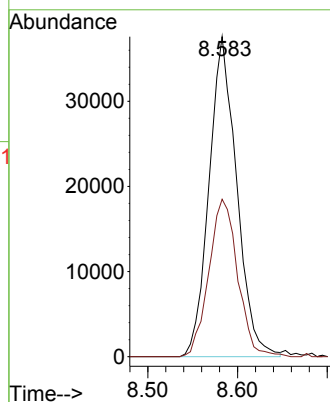
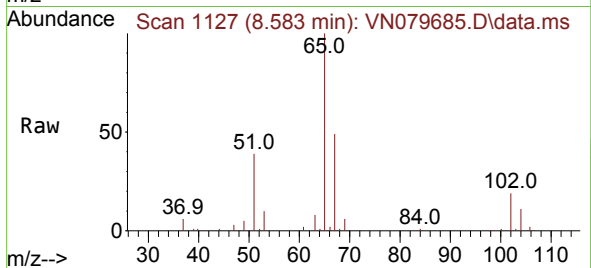
ClientSampleId :

Tgt Ion: 65 Resp: 80405

Ion Ratio Lower Upper

65 100

67 51.3 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: VN079685.D

Acq: 25 Oct 2023 16:38

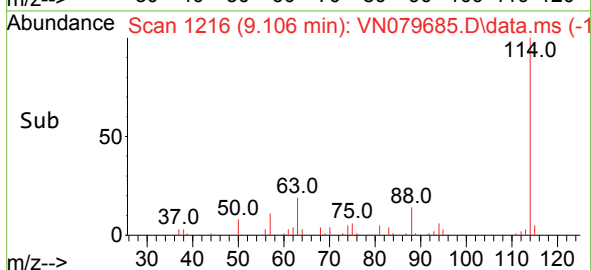
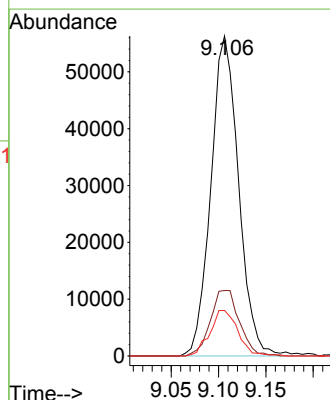
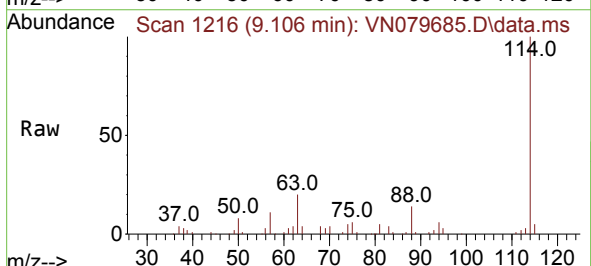
Tgt Ion:114 Resp: 114379

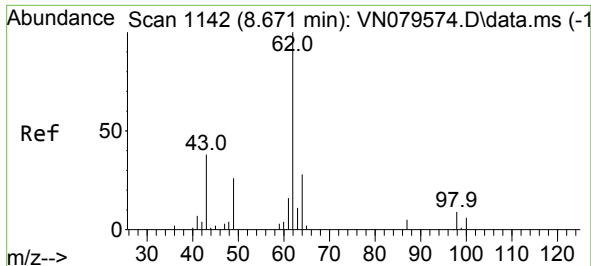
Ion Ratio Lower Upper

114 100

63 21.5 18.1 27.1

88 14.4 12.2 18.2

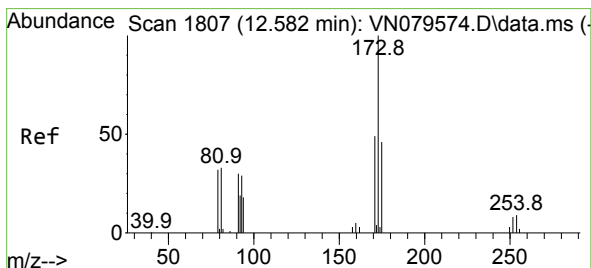
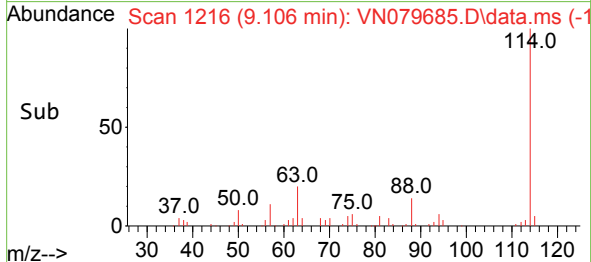
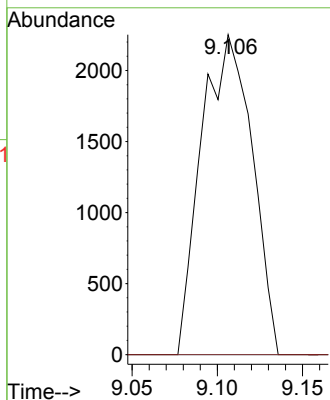
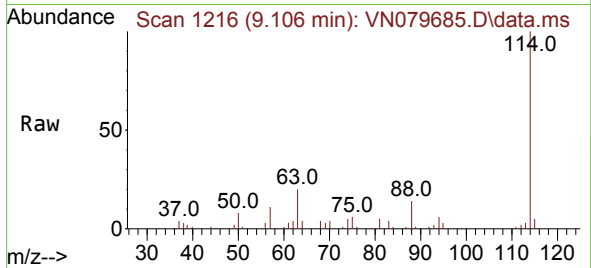




#36
1,2-Dichloroethane
Concen: 1.290 ug/l
RT: 9.106 min Scan# 1142
Delta R.T. 0.436 min
Lab File: VN079685.D
Acq: 25 Oct 2023 16:38

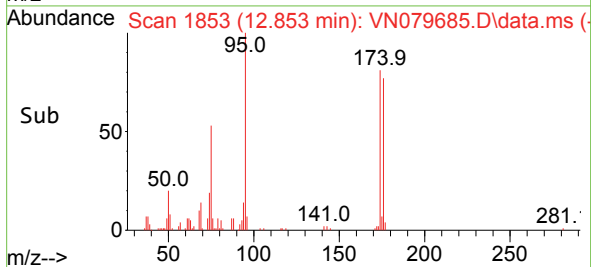
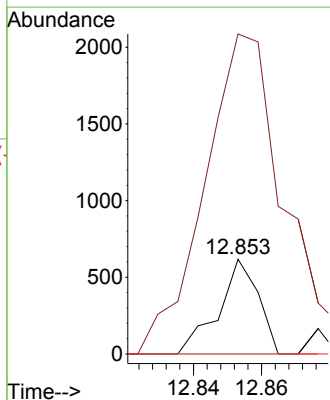
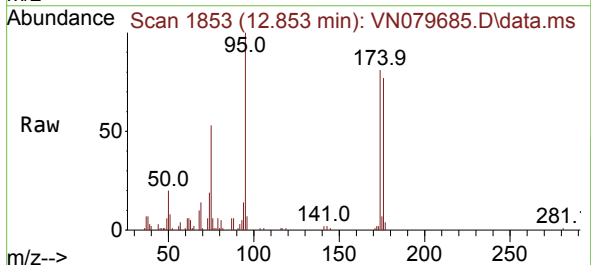
Instrument :
MSVOA_N
ClientSampleId :

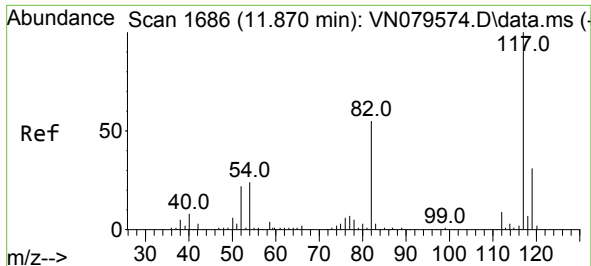
Tgt Ion: 62 Resp: 4676
Ion Ratio Lower Upper
62 100
98 0.0 7.2 10.8#



#56
Bromoform
Concen: 0.304 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.271 min
Lab File: VN079685.D
Acq: 25 Oct 2023 16:38

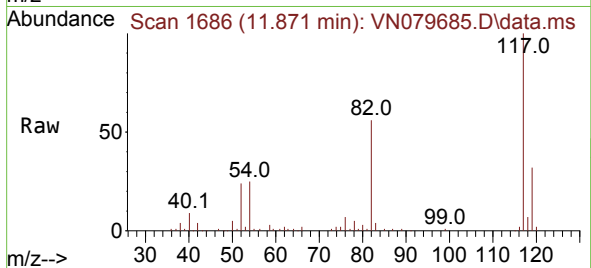
Tgt Ion:173 Resp: 502
Ion Ratio Lower Upper
173 100
175 670.5 37.9 56.9#
254 0.0 7.3 10.9#



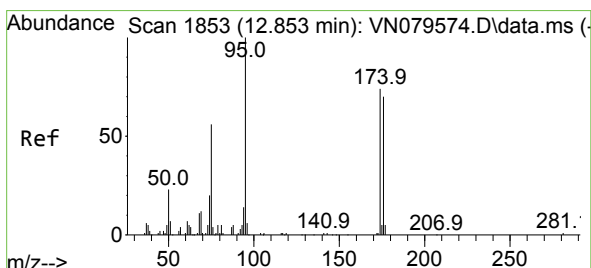
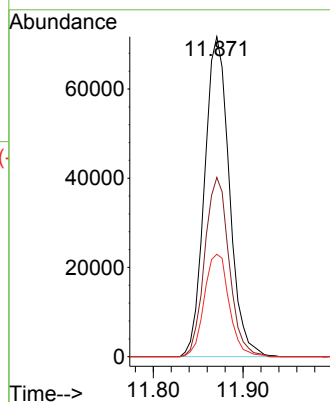
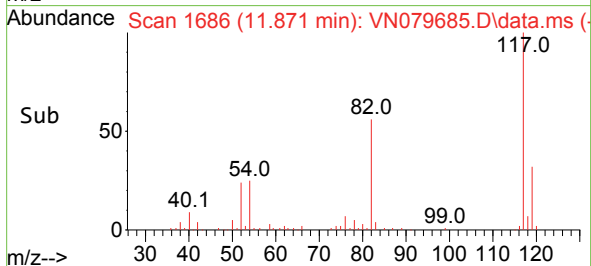


#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.871 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN079685.D
Acq: 25 Oct 2023 16:38

Instrument :
MSVOA_N
ClientSampleId :

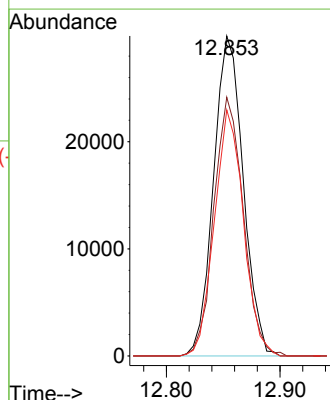
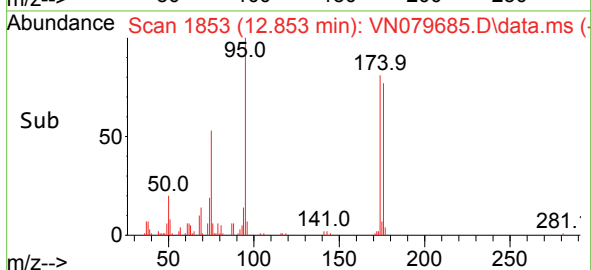
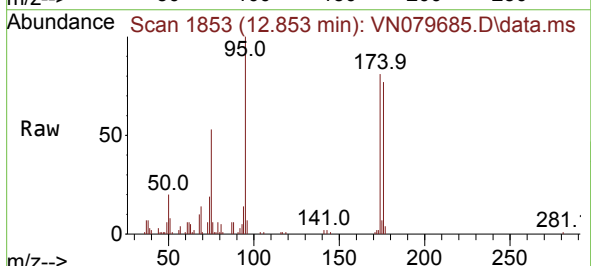


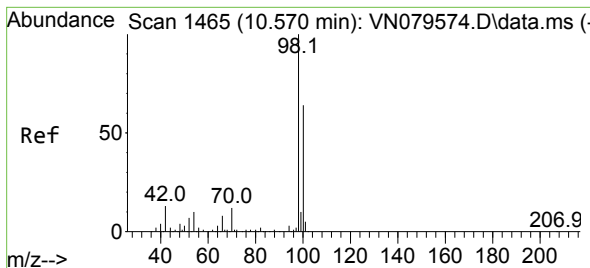
Tgt Ion:117 Resp: 137504
Ion Ratio Lower Upper
117 100
82 55.3 46.2 69.2
119 32.1 25.2 37.8



#60
4-Bromofluorobenzene
Concen: 21.576 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN079685.D
Acq: 25 Oct 2023 16:38

Tgt Ion: 95 Resp: 54254
Ion Ratio Lower Upper
95 100
174 80.0 60.5 90.7
176 75.2 57.2 85.8





#63

Toluene-d8

Concen: 28.126 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.000 min

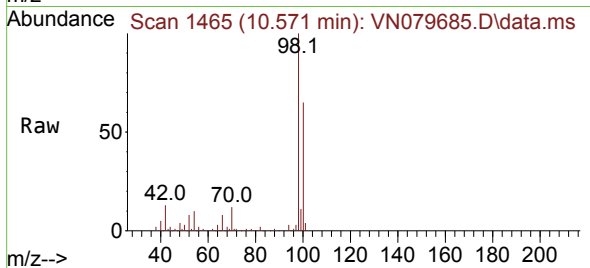
Lab File: VN079685.D

Acq: 25 Oct 2023 16:38

Instrument :

MSVOA_N

ClientSampleId :

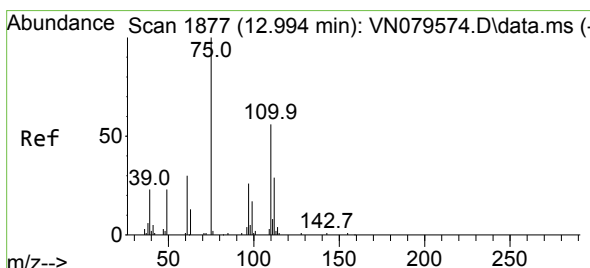
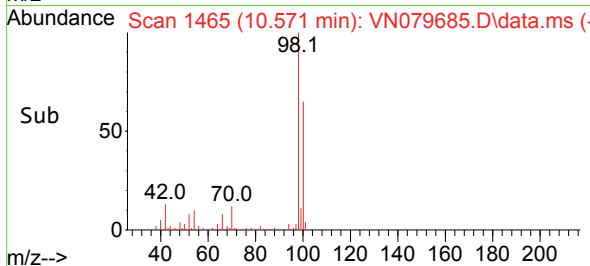
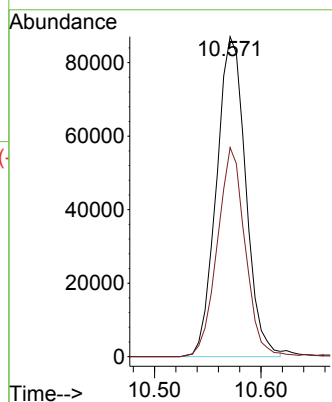


Tgt Ion: 98 Resp: 165723

Ion Ratio Lower Upper

98 100

100 62.5 51.6 77.4



#72

1,2,3-Trichloropropane

Concen: 9.207 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN079685.D

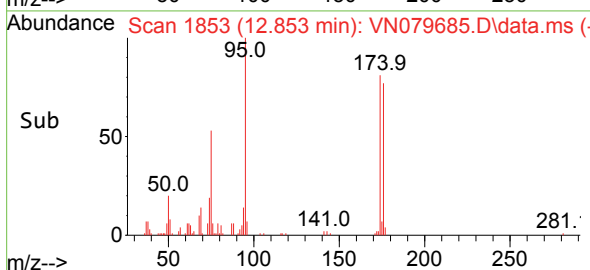
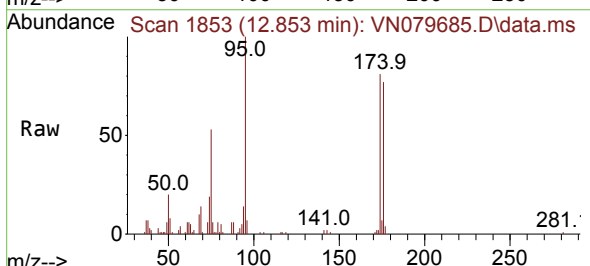
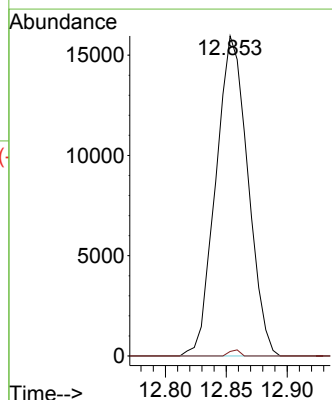
Acq: 25 Oct 2023 16:38

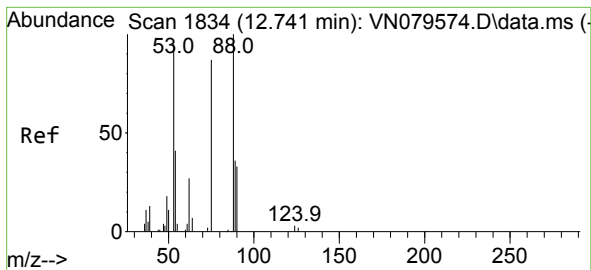
Tgt Ion: 75 Resp: 29210

Ion Ratio Lower Upper

75 100

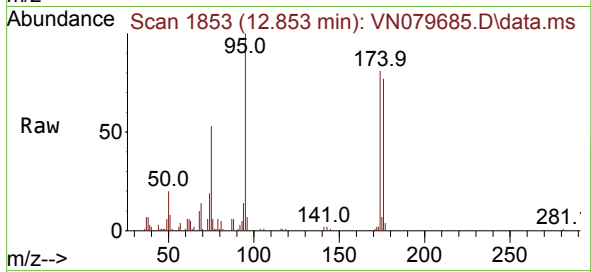
77 0.6 0.0 338.2





#77
 t-1,4-Dichloro-2-butene
 Concen: 30.167 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN079685.D
 Acq: 25 Oct 2023 16:38

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 29210
 Ion Ratio Lower Upper
 75 100
 53 0.0 53.0 159.1#
 89 0.0 22.6 67.7#

