

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102523\
 Data File : VN079676.D
 Acq On : 25 Oct 2023 12:50
 Operator : JC\MD
 Sample : 05033-01 10X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 26 01:35:30 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)

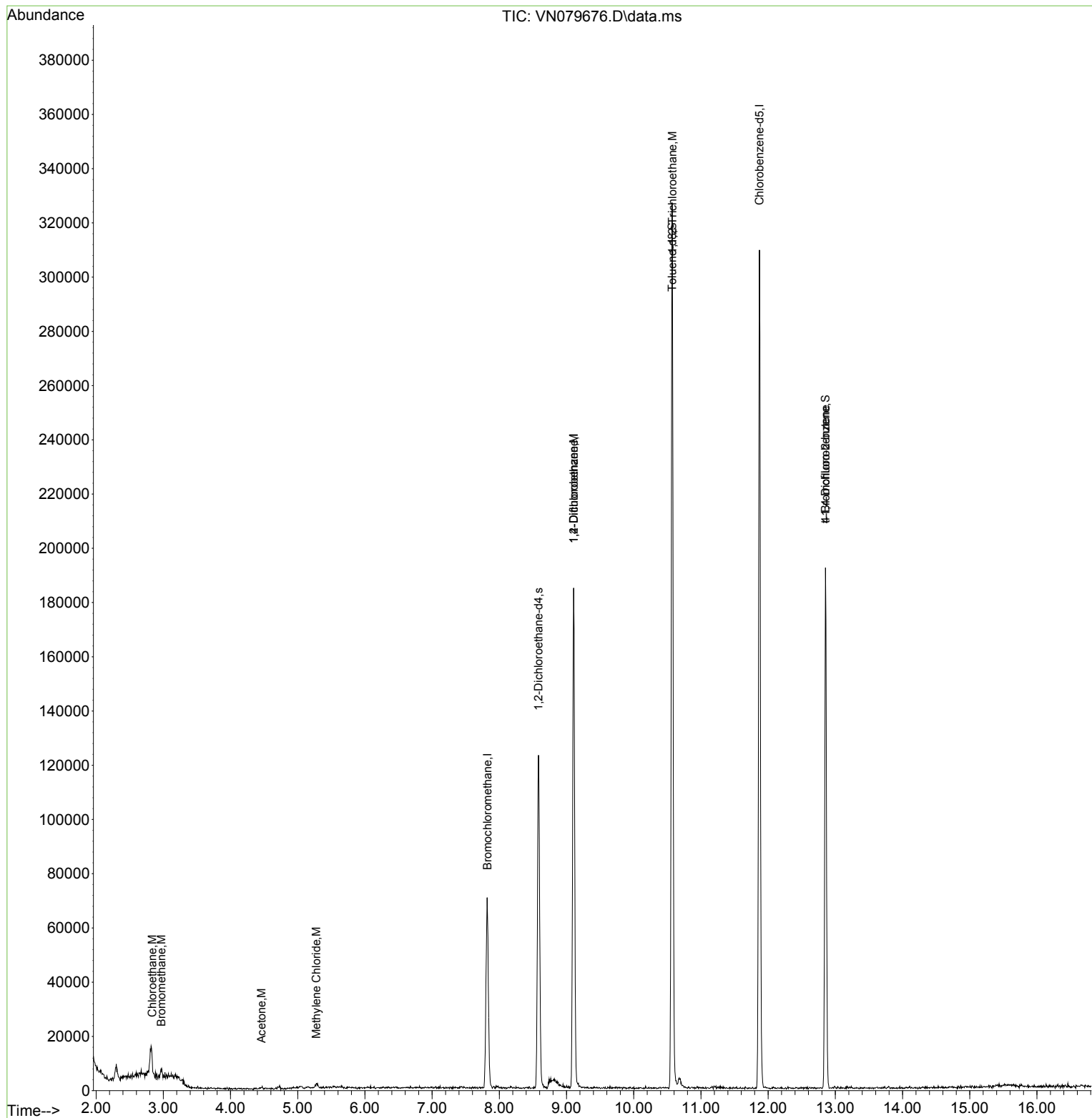
Internal Standards						
1) Bromochloromethane	7.824	128	22611	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	151173	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.871	117	176214	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.583	65	101006	31.419	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	104.733%
60) 4-Bromofluorobenzene	12.853	95	64532	20.026	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	66.767%
63) Toluene-d8	10.571	98	222720	29.496	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	98.333%
Target Compounds						
					Qvalue	
5) Bromomethane	2.971	94	1450	0.510	ug/l	91
6) Chloroethane	2.836	64	1204	0.373	ug/l	91
15) Acetone	4.459	58	138	0.248	ug/l #	1
18) Methylene Chloride	5.277	84	776	0.207	ug/l #	51
36) 1,2-Dichloroethane	9.106	62	6256	1.305	ug/l #	75
50) 1,1,2-Trichloroethane	10.577	97	8146	2.526	ug/l #	1
77) t-1,4-Dichloro-2-butene	12.853	75	36490	29.407	ug/l #	8

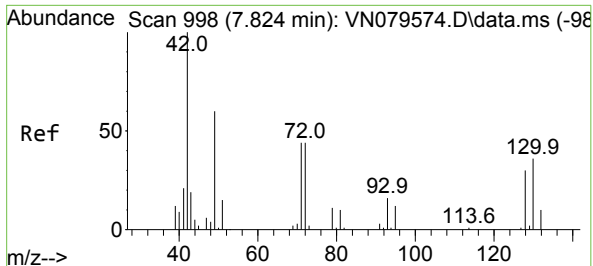
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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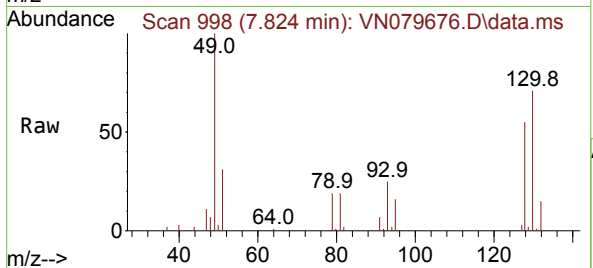
Quant Time: Oct 26 01:35:30 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N101723W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Oct 18 02:19:15 2023
Response via : Initial Calibration



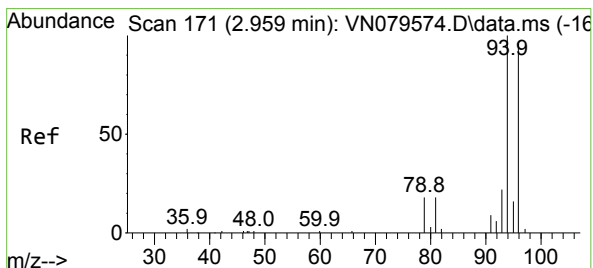
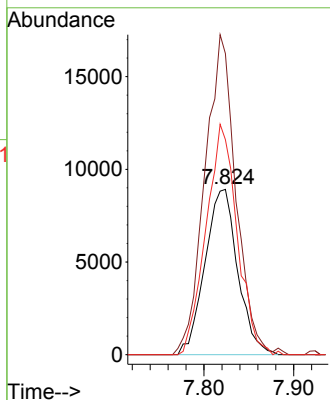
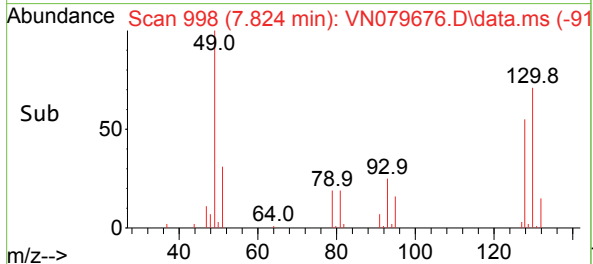


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.824 min Scan# 998
Delta R.T. -0.000 min
Lab File: VN079676.D
Acq: 25 Oct 2023 12:50

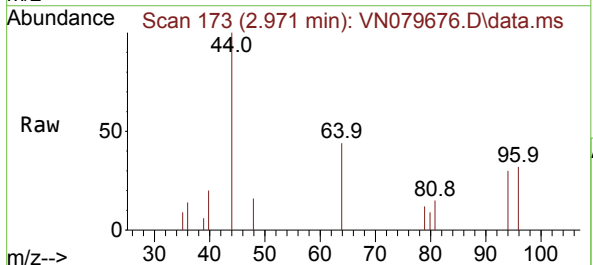
Instrument :
MSVOA_N
ClientSampleId :



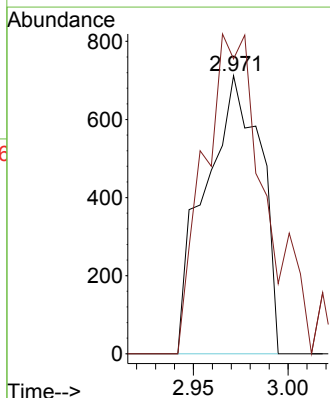
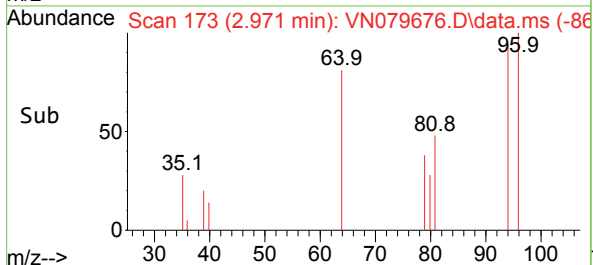
Tgt Ion:128 Resp: 22611
Ion Ratio Lower Upper
128 100
49 182.7 0.0 468.5
130 132.7 0.0 320.7

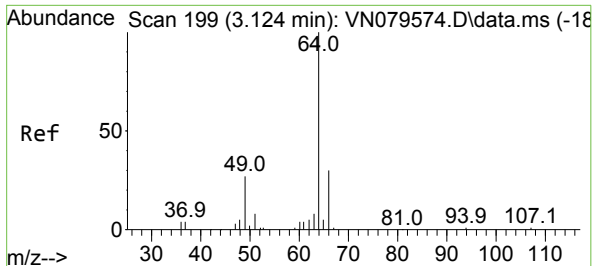


#5
Bromomethane
Concen: 0.510 ug/l
RT: 2.971 min Scan# 173
Delta R.T. 0.012 min
Lab File: VN079676.D
Acq: 25 Oct 2023 12:50



Tgt Ion: 94 Resp: 1450
Ion Ratio Lower Upper
94 100
96 106.0 77.8 116.6

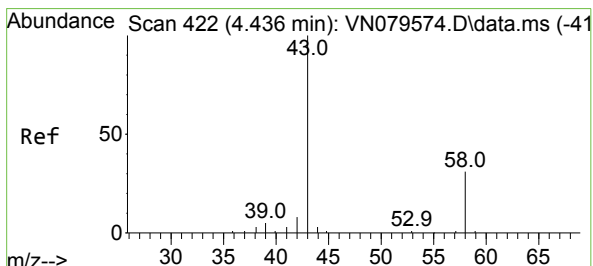
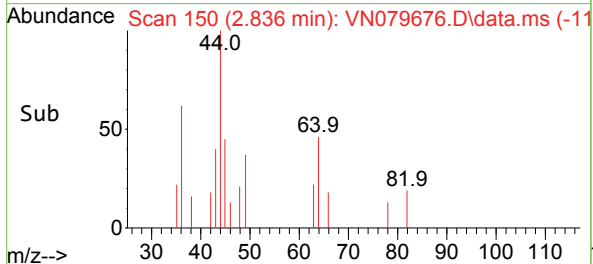
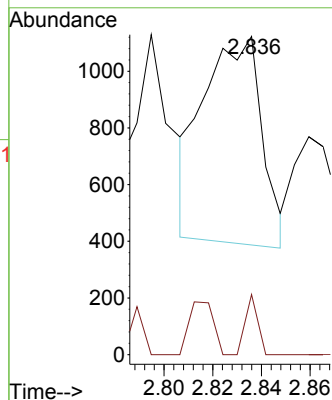
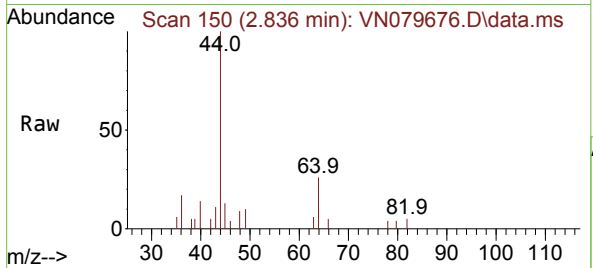




#6
Chloroethane
Concen: 0.373 ug/l
RT: 2.836 min Scan# 11
Delta R.T. -0.288 min
Lab File: VN079676.D
Acq: 25 Oct 2023 12:50

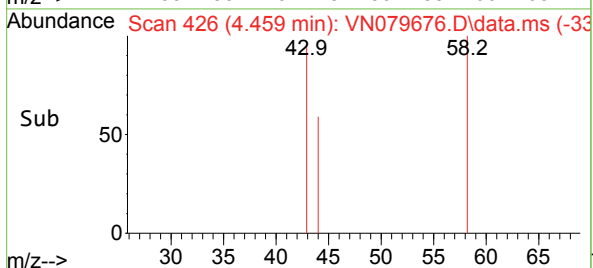
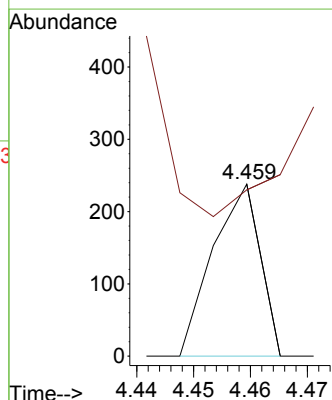
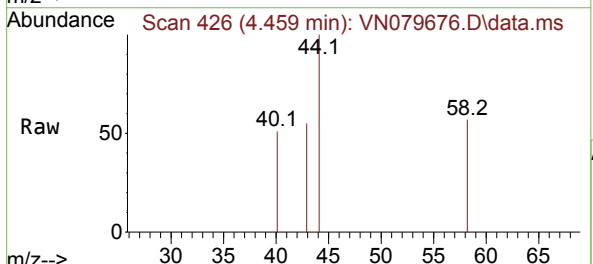
Instrument :
MSVOA_N
ClientSampleId :

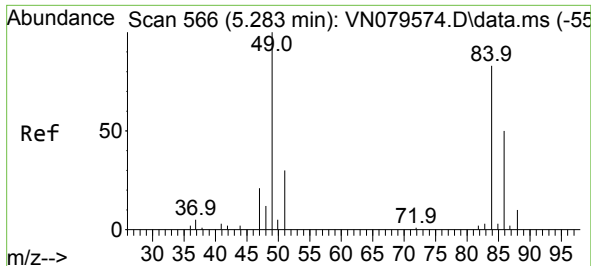
Tgt Ion: 64 Resp: 1204
Ion Ratio Lower Upper
64 100
66 33.9 23.3 34.9



#15
Acetone
Concen: 0.248 ug/l
RT: 4.459 min Scan# 426
Delta R.T. 0.024 min
Lab File: VN079676.D
Acq: 25 Oct 2023 12:50

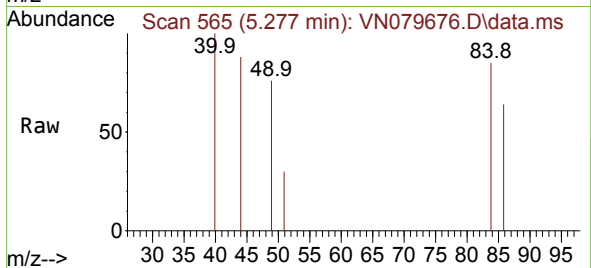
Tgt Ion: 58 Resp: 138
Ion Ratio Lower Upper
58 100
43 1.7 225.2 337.8#



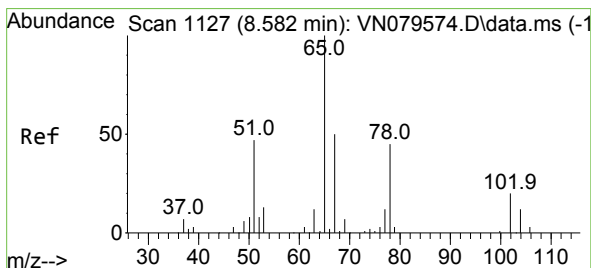
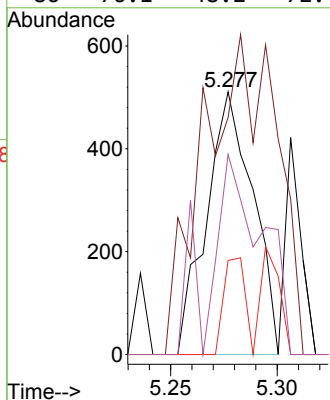
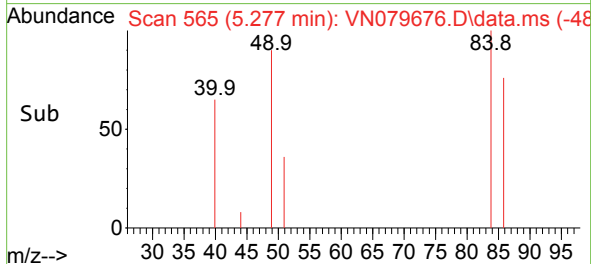


#18
Methylene Chloride
Concen: 0.207 ug/l
RT: 5.277 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN079676.D
Acq: 25 Oct 2023 12:50

Instrument :
MSVOA_N
ClientSampleId :

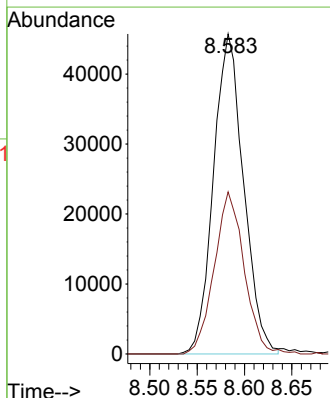
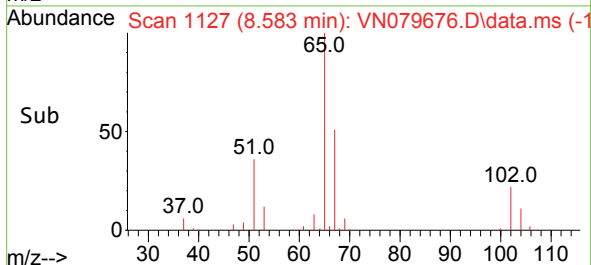
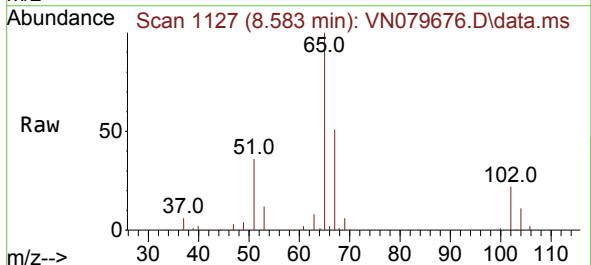


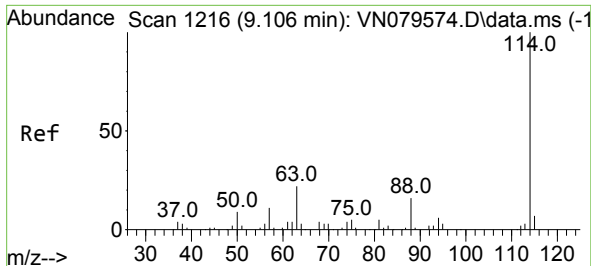
Tgt Ion: 84 Resp: 776
Ion Ratio Lower Upper
84 100
49 38.2 100.9 151.3#
51 35.8 29.4 44.2
86 76.1 48.2 72.4#



#27
1,2-Dichloroethane-d4
Concen: 31.419 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VN079676.D
Acq: 25 Oct 2023 12:50

Tgt Ion: 65 Resp: 101006
Ion Ratio Lower Upper
65 100
67 50.3 42.1 63.1

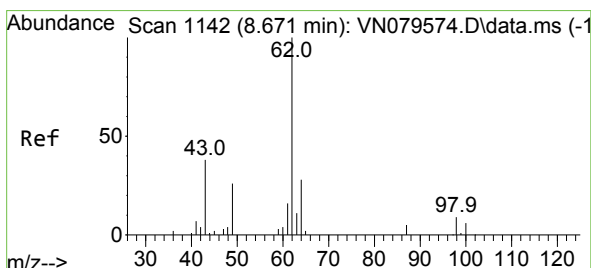
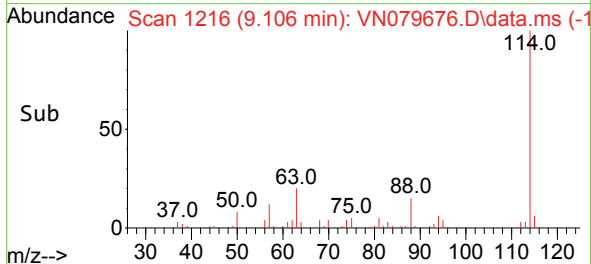
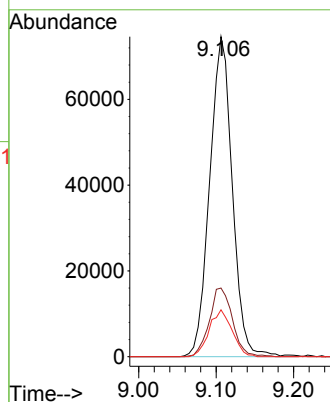
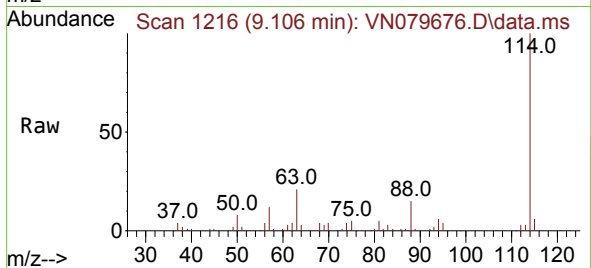




#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.106 min Scan# 114
Delta R.T. 0.000 min
Lab File: VN079676.D
Acq: 25 Oct 2023 12:50

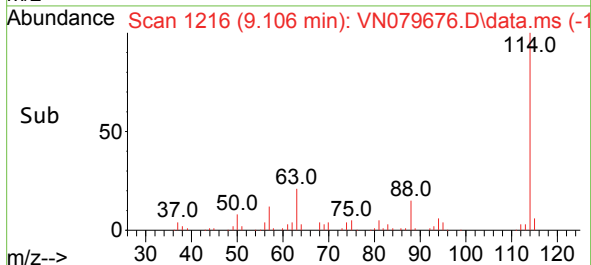
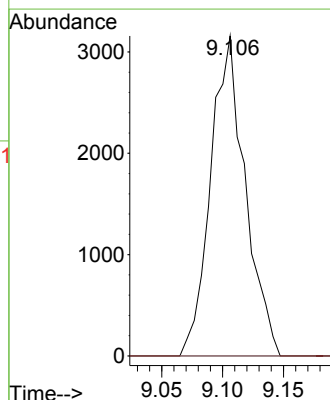
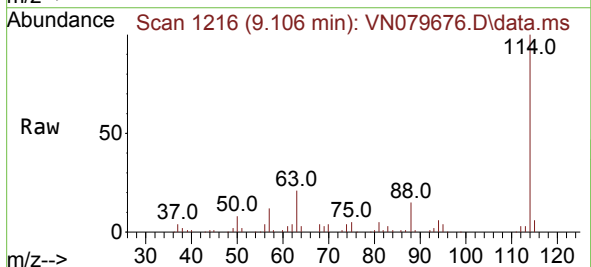
Instrument :
MSVOA_N
ClientSampleId :

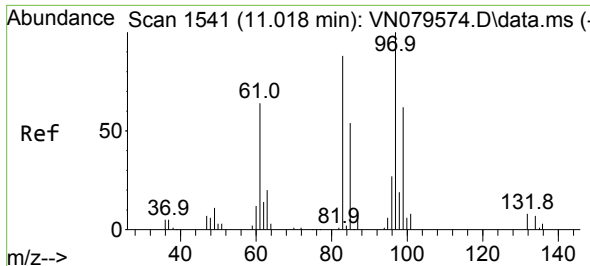
Tgt Ion:114 Resp: 151173
Ion Ratio Lower Upper
114 100
63 22.0 18.1 27.1
88 14.8 12.2 18.2



#36
1,2-Dichloroethane
Concen: 1.305 ug/l
RT: 9.106 min Scan# 1216
Delta R.T. 0.435 min
Lab File: VN079676.D
Acq: 25 Oct 2023 12:50

Tgt Ion: 62 Resp: 6256
Ion Ratio Lower Upper
62 100
98 0.0 7.2 10.8#





#50

1,1,2-Trichloroethane

Concen: 2.526 ug/l

RT: 10.577 min Scan# 1466

Delta R.T. -0.441 min

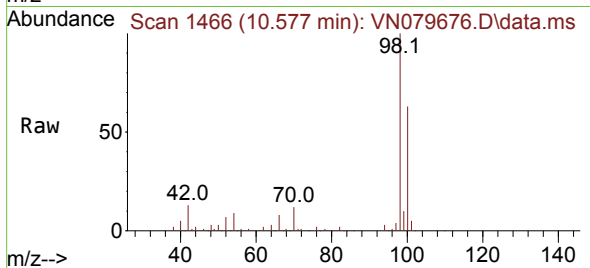
Lab File: VN079676.D

Acq: 25 Oct 2023 12:50

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 97 Resp: 8146

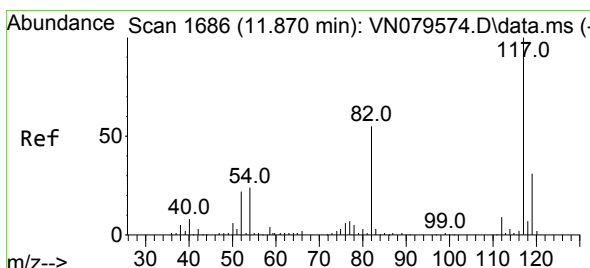
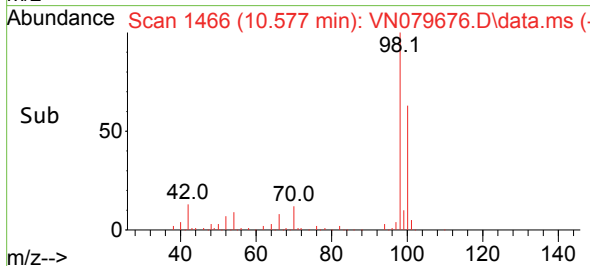
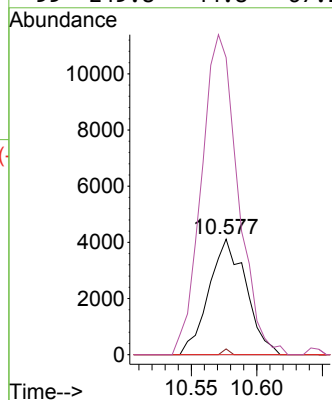
Ion Ratio Lower Upper

97 100

83 5.0 68.2 102.4#

85 0.0 42.9 64.3#

99 249.8 44.8 67.2#



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.871 min Scan# 1686

Delta R.T. 0.000 min

Lab File: VN079676.D

Acq: 25 Oct 2023 12:50

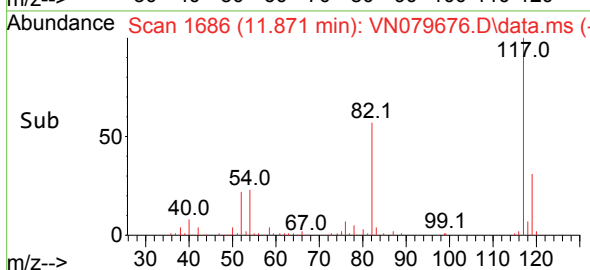
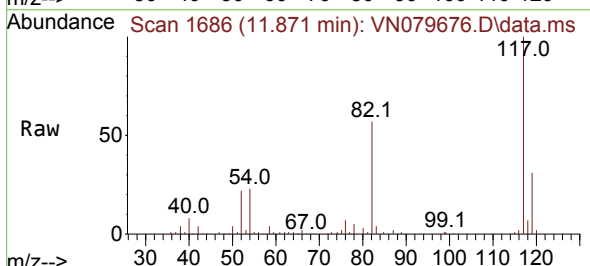
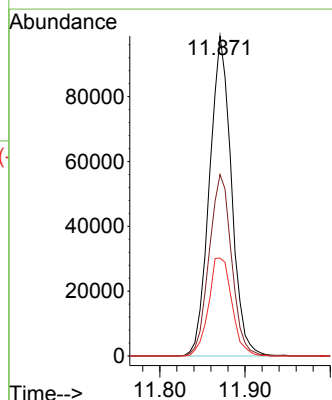
Tgt Ion: 117 Resp: 176214

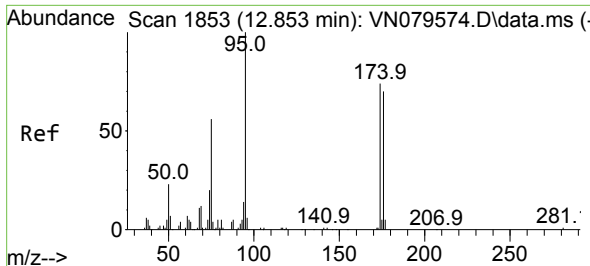
Ion Ratio Lower Upper

117 100

82 58.3 46.2 69.2

119 32.7 25.2 37.8

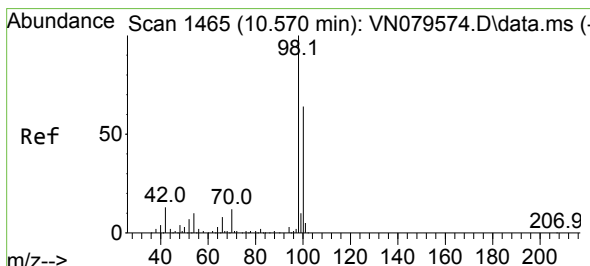
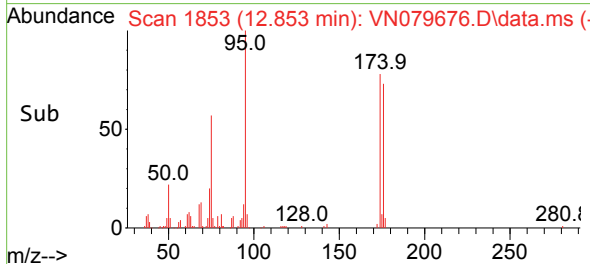
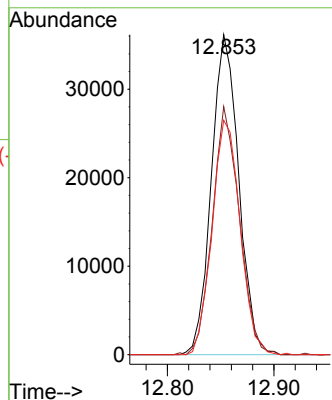
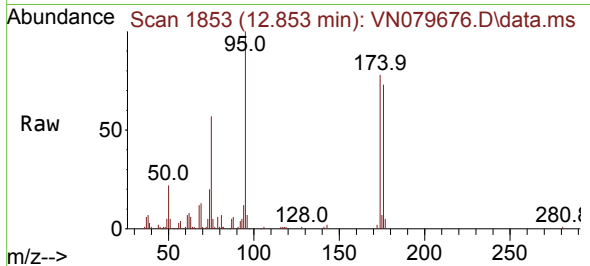




#60
4-Bromofluorobenzene
Concen: 20.026 ug/l
RT: 12.853 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN079676.D
Acq: 25 Oct 2023 12:50

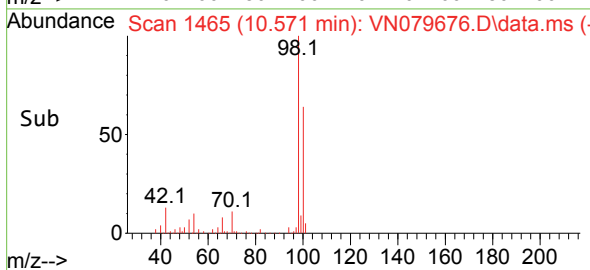
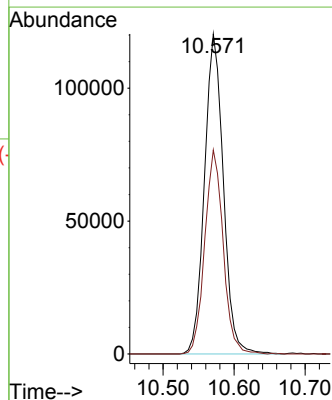
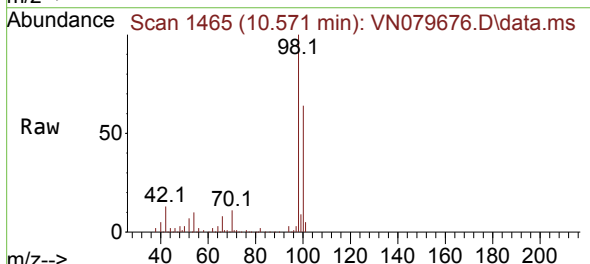
Instrument :
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ClientSampleId :

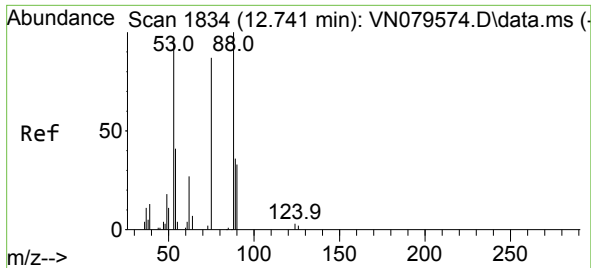
Tgt Ion: 95 Resp: 64532
Ion Ratio Lower Upper
95 100
174 76.5 60.5 90.7
176 74.8 57.2 85.8



#63
Toluene-d8
Concen: 29.496 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN079676.D
Acq: 25 Oct 2023 12:50

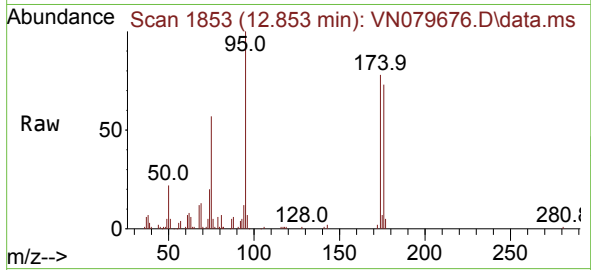
Tgt Ion: 98 Resp: 222720
Ion Ratio Lower Upper
98 100
100 62.2 51.6 77.4





#77
t-1,4-Dichloro-2-butene
Concen: 29.407 ug/l
RT: 12.853 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN079676.D
Acq: 25 Oct 2023 12:50

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 75 Resp: 36490
Ion Ratio Lower Upper
75 100
53 0.7 53.0 159.1#
89 0.0 22.6 67.7#

