

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090823\
 Data File : VN079205.D
 Acq On : 08 Sep 2023 18:19
 Operator : JC\MD
 Sample : 04299-09RE
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 08 23:18:51 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)

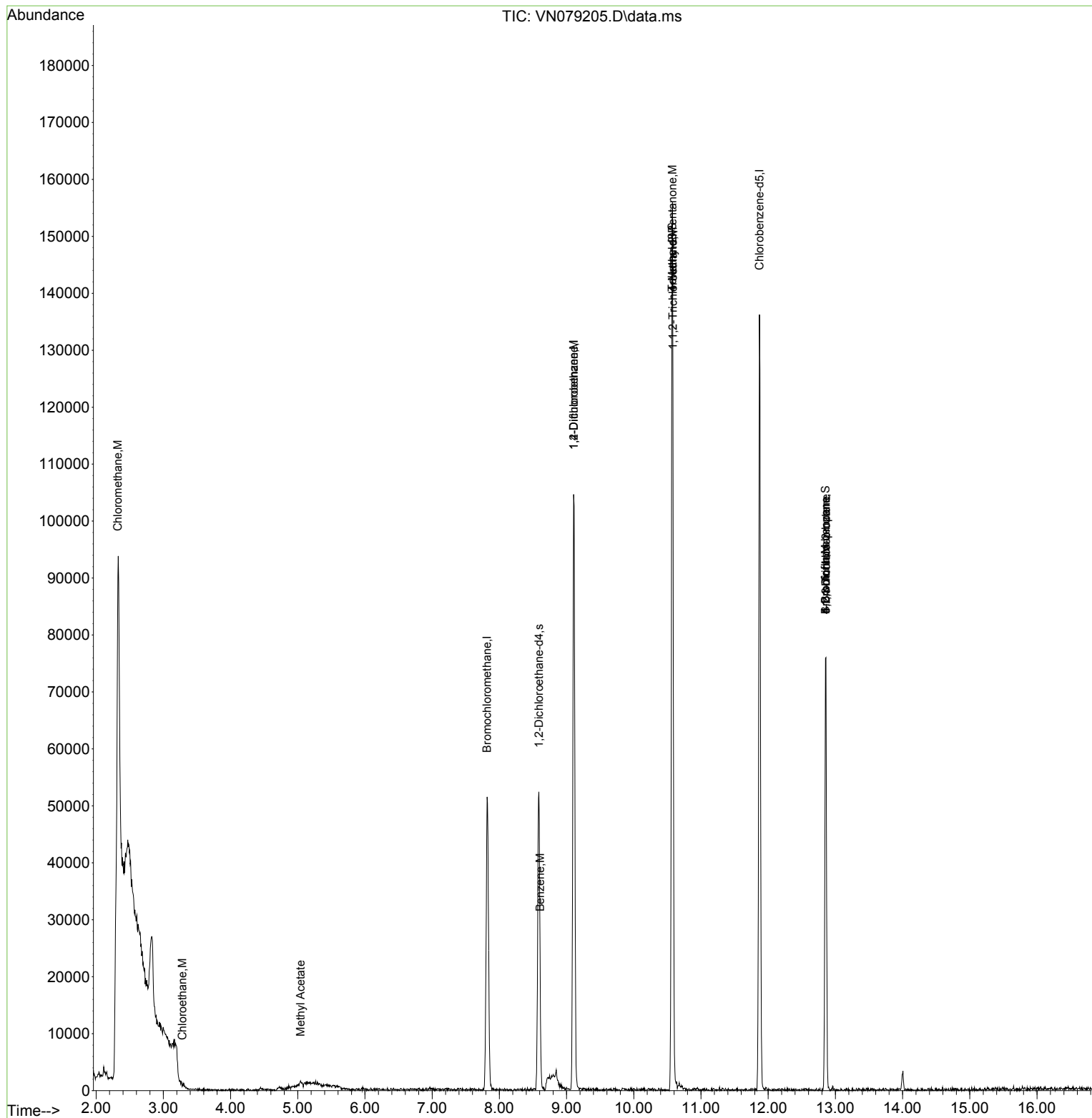
Internal Standards						
1) Bromochloromethane	7.818	128	18328	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	91861	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.871	117	81226	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.588	65	44280	32.157	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	107.200%
60) 4-Bromofluorobenzene	12.853	95	26331	22.001	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	73.333%
63) Toluene-d8	10.571	98	111040	29.252	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	97.500%
Target Compounds						
					Qvalue	
3) Chloromethane	2.324	50	4227	4.124	ug/l #	45
6) Chloroethane	3.283	64	246	0.396	ug/l #	50
12) Methyl Acetate	5.042	43	685	0.456	ug/l #	50
34) Benzene	8.606	78	949	0.203	ug/l #	1
36) 1,2-Dichloroethane	9.106	62	3009	1.950	ug/l #	73
50) 1,1,2-Trichloroethane	10.582	97	3762	3.369	ug/l #	1
56) Bromoform	12.853	173	258	0.316	ug/l #	1
58) 4-Methyl-2-Pentanone	10.577	43	439	0.295	ug/l #	1
72) 1,2,3-Trichloropropane	12.859	75	14200	10.271	ug/l #	1
77) t-1,4-Dichloro-2-butene	12.859	75	14200	29.174	ug/l #	14

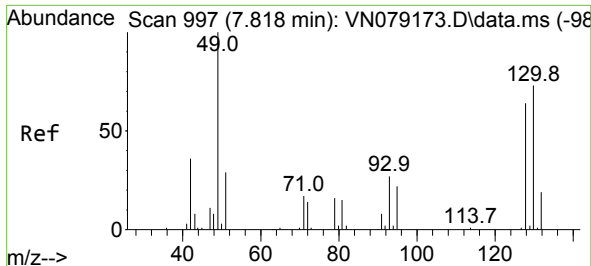
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090823\
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MSVOA_N
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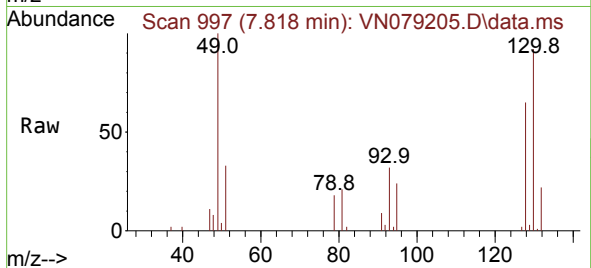
Quant Time: Sep 08 23:18:51 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090723W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Sep 08 05:09:17 2023
Response via : Initial Calibration



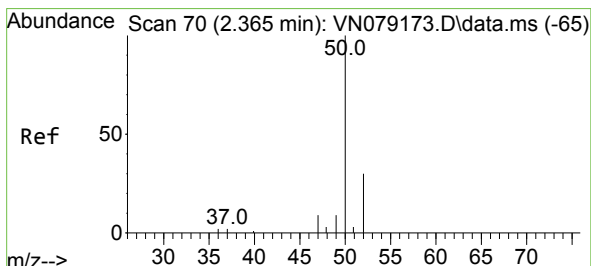
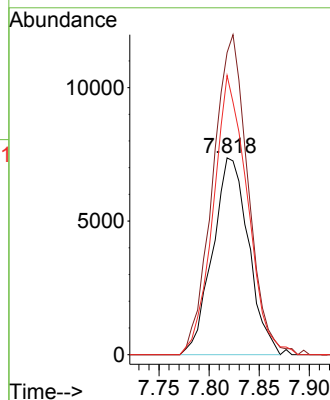
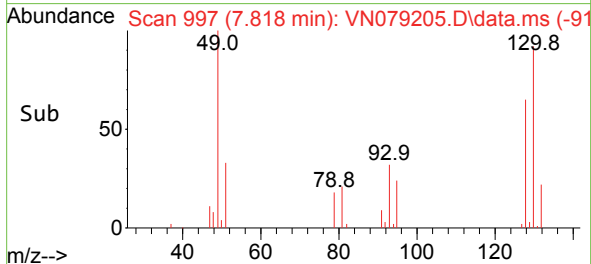


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.818 min Scan# 91
Delta R.T. -0.000 min
Lab File: VN079205.D
Acq: 08 Sep 2023 18:19

Instrument :
MSVOA_N
ClientSampleId :

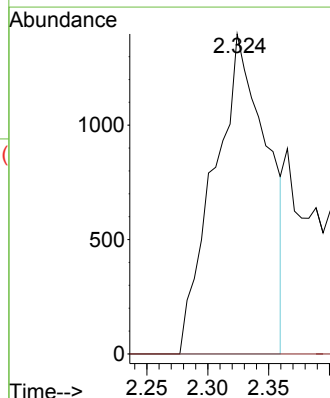
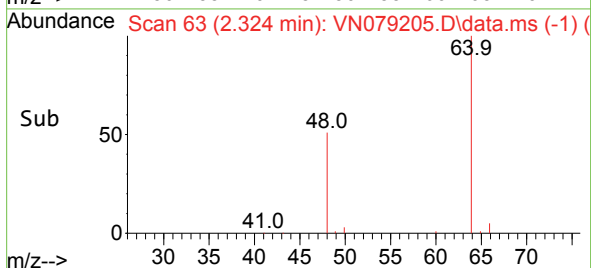
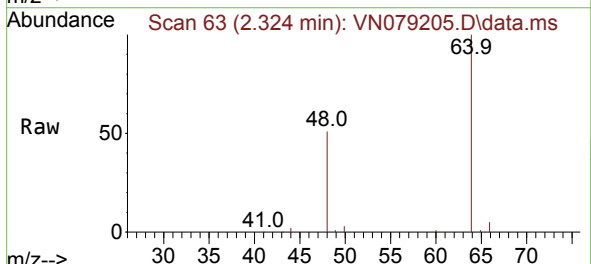


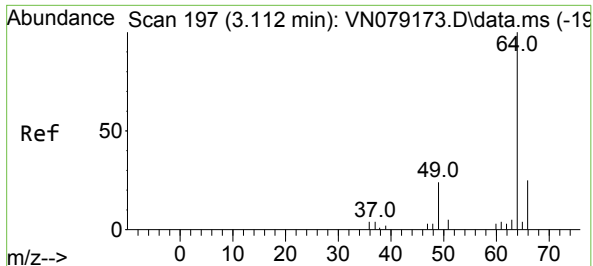
Tgt Ion:128 Resp: 18328
Ion Ratio Lower Upper
128 100
49 159.5 0.0 414.3
130 135.3 0.0 311.0



#3
Chloromethane
Concen: 4.124 ug/l
RT: 2.324 min Scan# 63
Delta R.T. -0.041 min
Lab File: VN079205.D
Acq: 08 Sep 2023 18:19

Tgt Ion: 50 Resp: 4227
Ion Ratio Lower Upper
50 100
52 0.0 24.0 36.0#

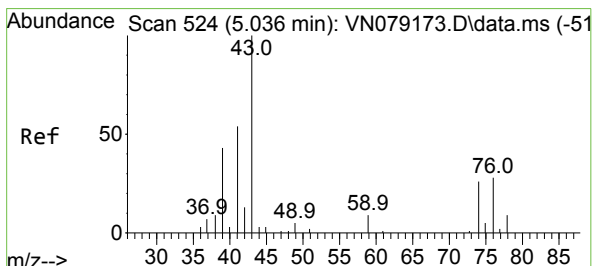
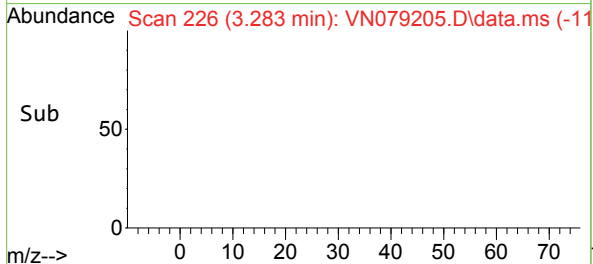
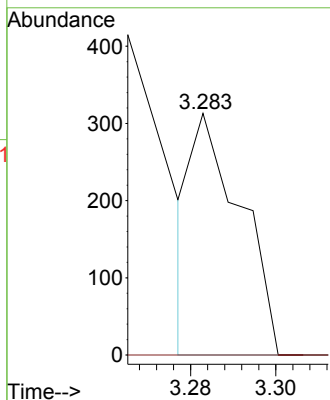
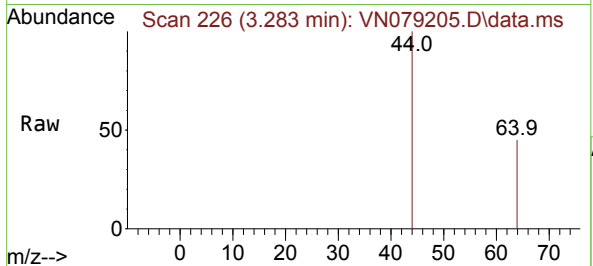




#6
Chloroethane
Concen: 0.396 ug/l
RT: 3.283 min Scan# 21
Delta R.T. 0.171 min
Lab File: VN079205.D
Acq: 08 Sep 2023 18:19

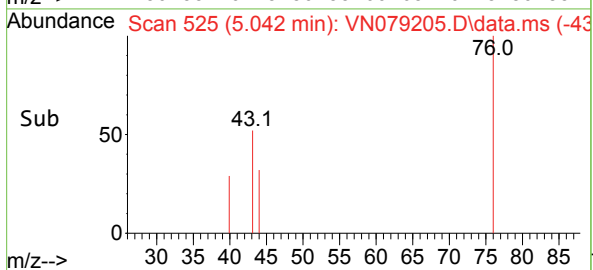
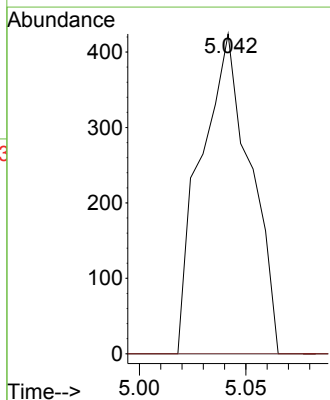
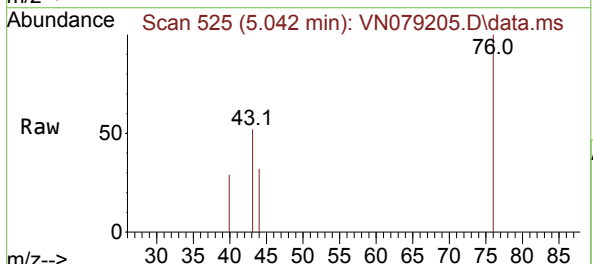
Instrument :
MSVOA_N
ClientSampleId :

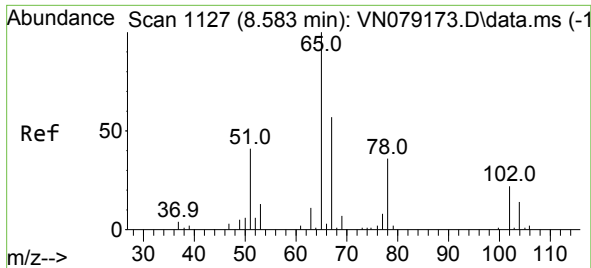
Tgt Ion: 64 Resp: 246
Ion Ratio Lower Upper
64 100
66 0.0 20.1 30.1#



#12
Methyl Acetate
Concen: 0.456 ug/l
RT: 5.042 min Scan# 525
Delta R.T. 0.006 min
Lab File: VN079205.D
Acq: 08 Sep 2023 18:19

Tgt Ion: 43 Resp: 685
Ion Ratio Lower Upper
43 100
74 0.0 20.4 30.6#





#27

1,2-Dichloroethane-d4

Concen: 32.157 ug/l

RT: 8.588 min Scan# 1127

Delta R.T. 0.005 min

Lab File: VN079205.D

Acq: 08 Sep 2023 18:19

Instrument :

MSVOA_N

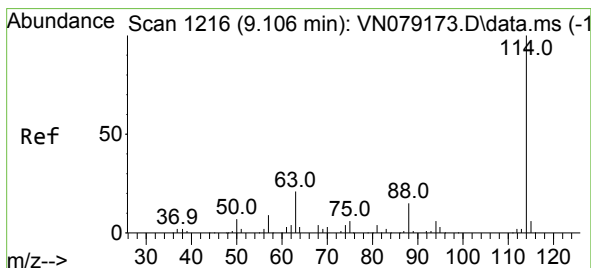
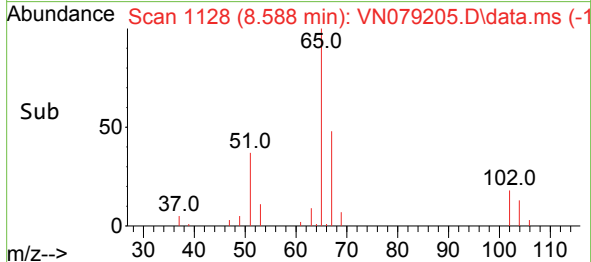
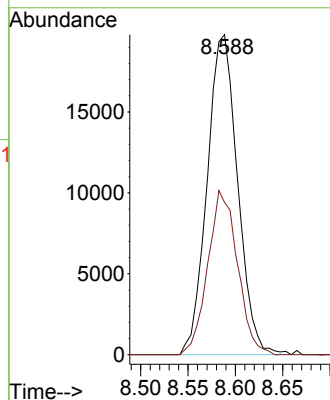
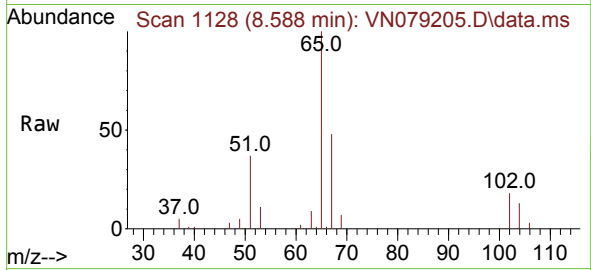
ClientSampleId :

Tgt Ion: 65 Resp: 44280

Ion Ratio Lower Upper

65 100

67 50.0 44.4 66.6



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.000 min

Lab File: VN079205.D

Acq: 08 Sep 2023 18:19

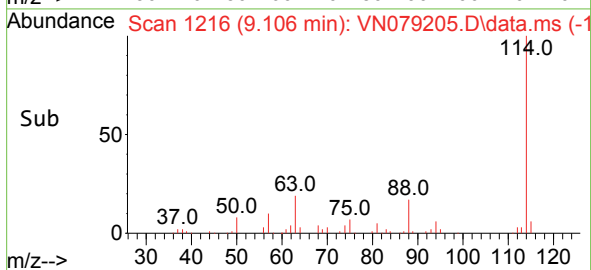
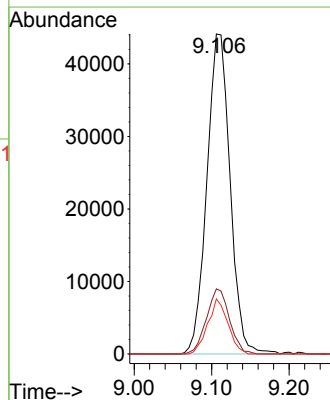
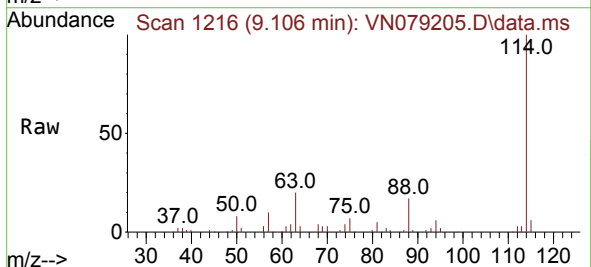
Tgt Ion: 114 Resp: 91861

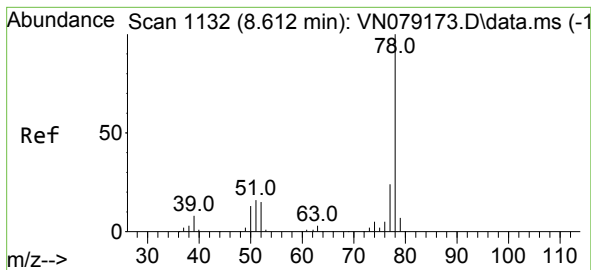
Ion Ratio Lower Upper

114 100

63 20.1 17.0 25.4

88 14.9 12.8 19.2





#34

Benzene

Concen: 0.203 ug/l

RT: 8.606 min Scan# 1132

Delta R.T. -0.006 min

Lab File: VN079205.D

Acq: 08 Sep 2023 18:19

Instrument :

MSVOA_N

ClientSampleId :

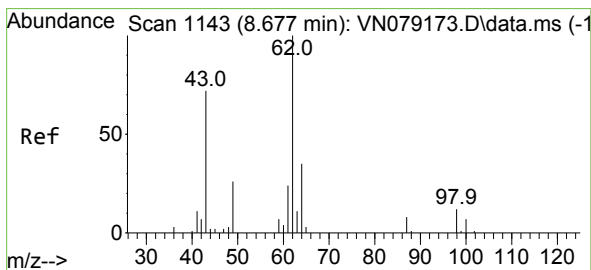
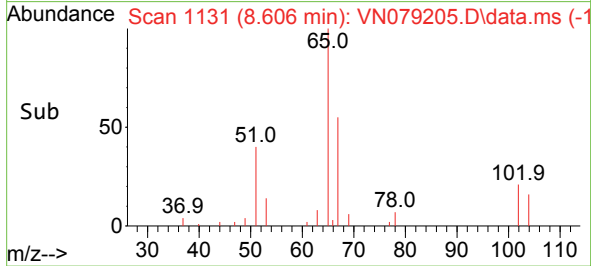
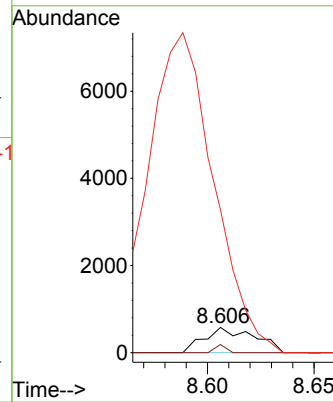
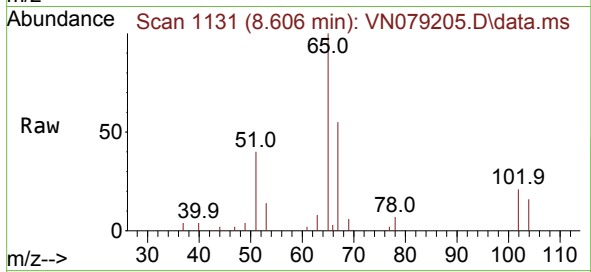
Tgt Ion: 78 Resp: 949

Ion Ratio Lower Upper

78 100

77 32.1 18.9 28.3#

51 566.0 13.1 19.7#



#36

1,2-Dichloroethane

Concen: 1.950 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.429 min

Lab File: VN079205.D

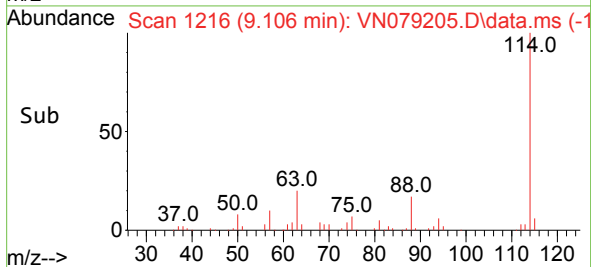
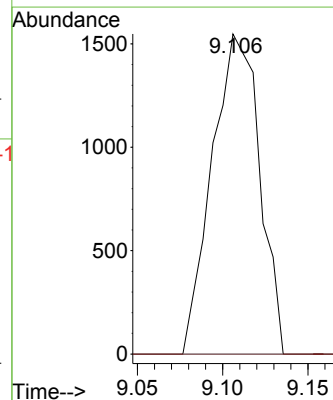
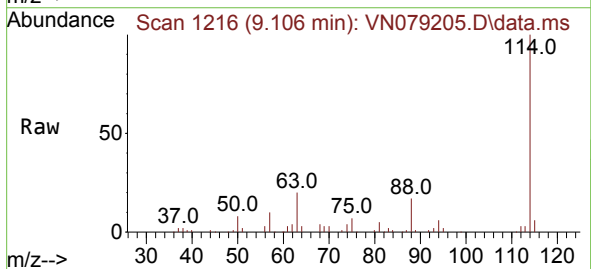
Acq: 08 Sep 2023 18:19

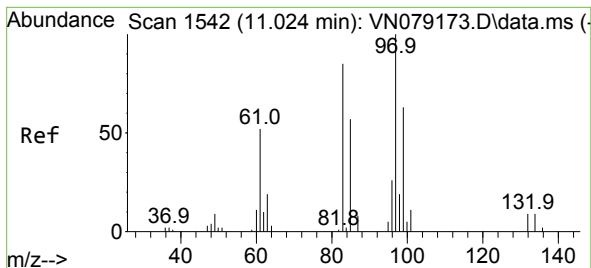
Tgt Ion: 62 Resp: 3009

Ion Ratio Lower Upper

62 100

98 0.0 8.2 12.2#





#50

1,1,2-Trichloroethane

Concen: 3.369 ug/l

RT: 10.582 min Scan# 1467

Delta R.T. -0.442 min

Lab File: VN079205.D

Acq: 08 Sep 2023 18:19

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion: 97 Resp: 3762

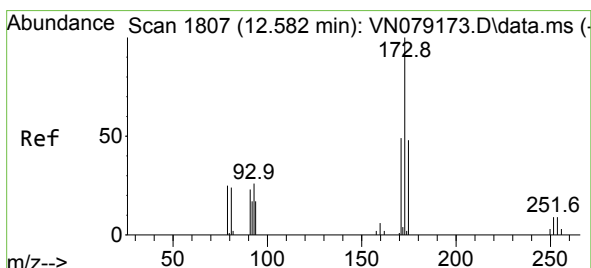
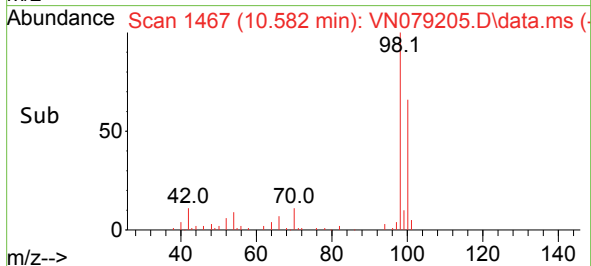
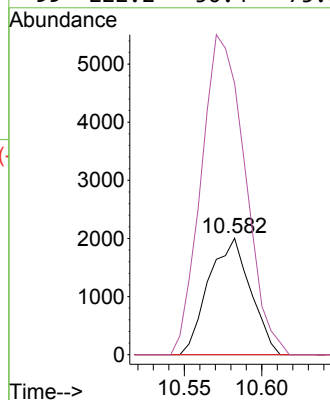
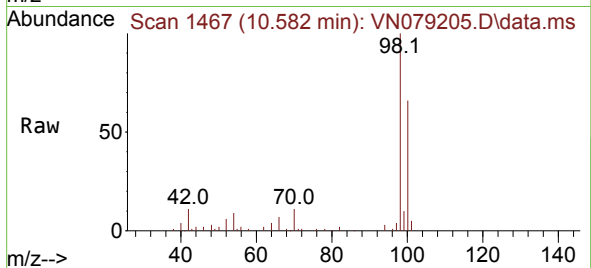
Ion Ratio Lower Upper

97 100

83 0.0 68.9 103.3#

85 0.0 45.3 67.9#

99 222.2 50.4 75.6#



#56

Bromoform

Concen: 0.316 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.271 min

Lab File: VN079205.D

Acq: 08 Sep 2023 18:19

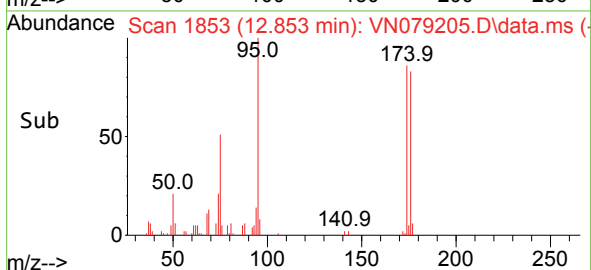
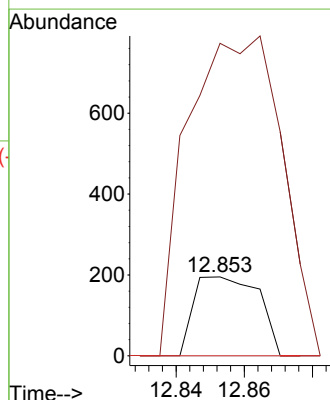
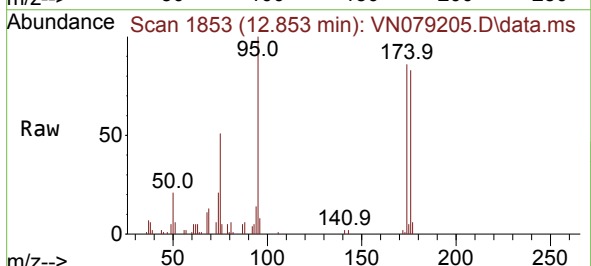
Tgt Ion:173 Resp: 258

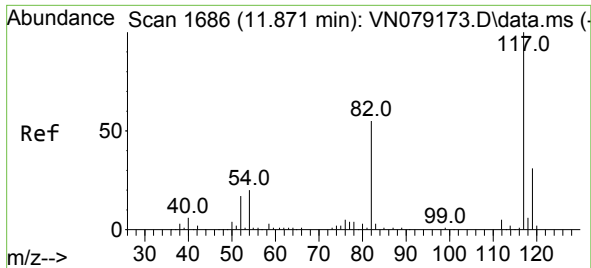
Ion Ratio Lower Upper

173 100

175 585.7 37.6 56.4#

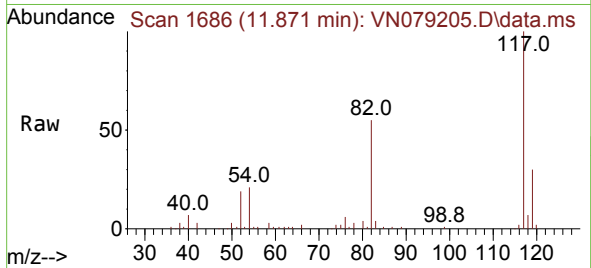
254 0.0 7.8 11.8#



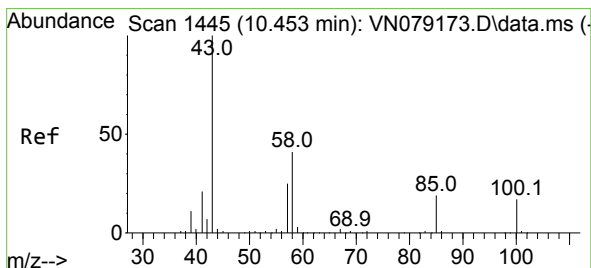
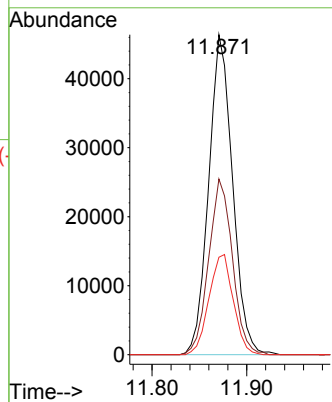
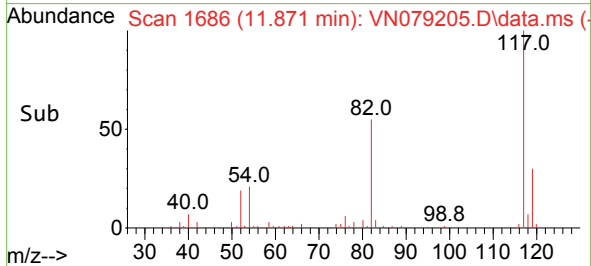


#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.871 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN079205.D
Acq: 08 Sep 2023 18:19

Instrument :
MSVOA_N
ClientSampleId :

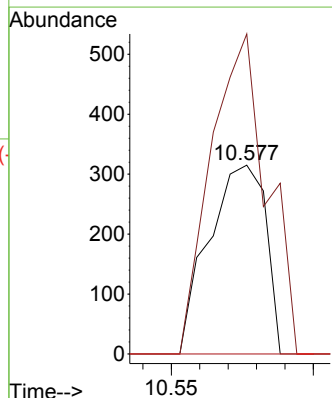
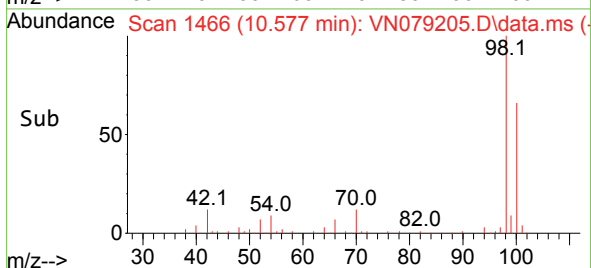
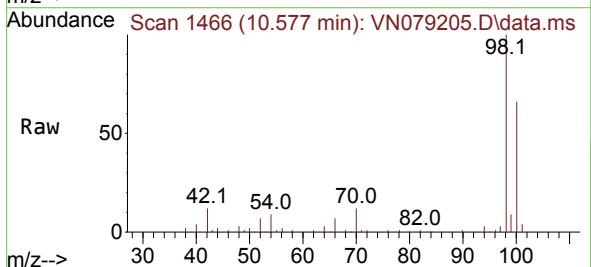


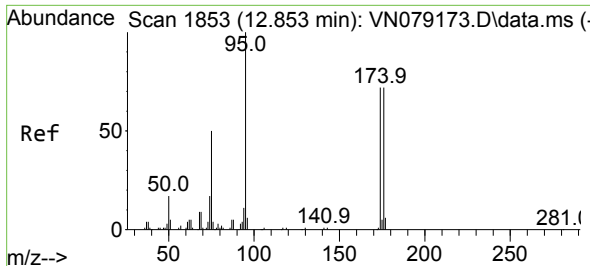
Tgt Ion:117 Resp: 81226
Ion Ratio Lower Upper
117 100
82 54.7 44.7 67.1
119 31.8 24.9 37.3



#58
4-Methyl-2-Pentanone
Concen: 0.295 ug/l
RT: 10.577 min Scan# 1466
Delta R.T. 0.124 min
Lab File: VN079205.D
Acq: 08 Sep 2023 18:19

Tgt Ion: 43 Resp: 439
Ion Ratio Lower Upper
43 100
58 167.2 33.6 50.4#
85 0.0 15.0 22.4#

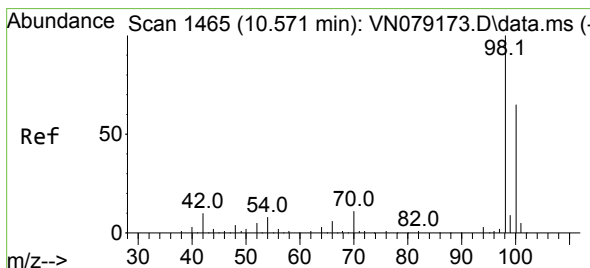
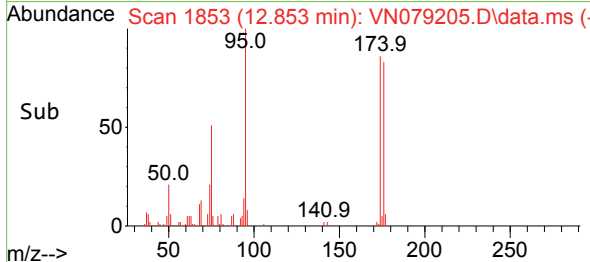
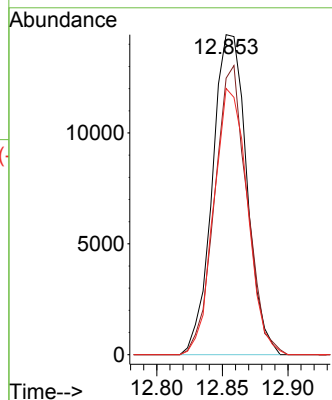
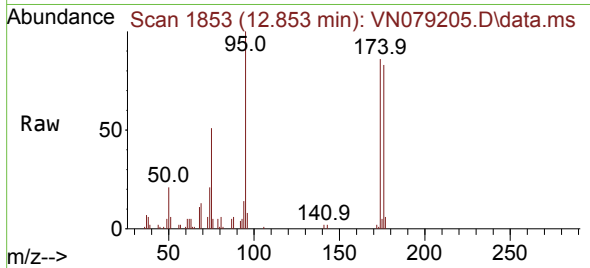




#60
4-Bromofluorobenzene
Concen: 22.001 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN079205.D
Acq: 08 Sep 2023 18:19

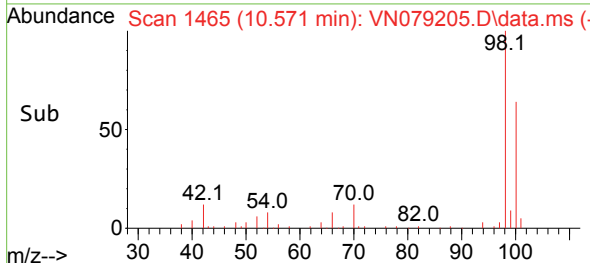
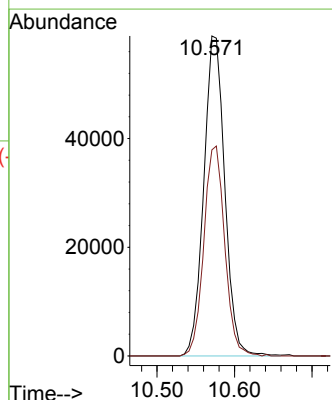
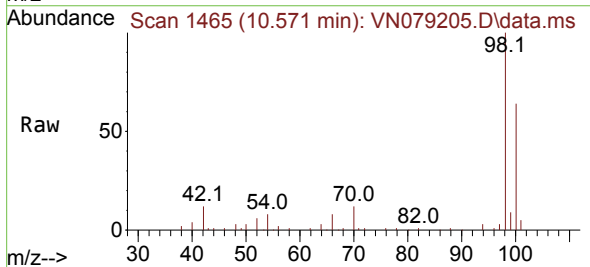
Instrument :
MSVOA_N
ClientSampleId :

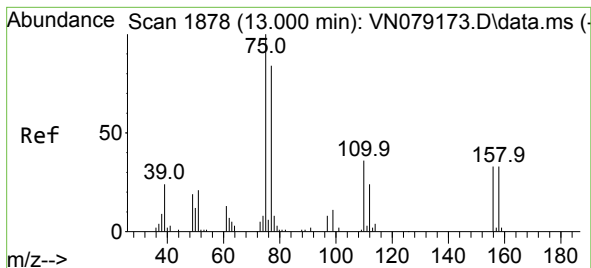
Tgt Ion: 95 Resp: 26331
Ion Ratio Lower Upper
95 100
174 85.0 59.5 89.3
176 81.5 59.1 88.7



#63
Toluene-d8
Concen: 29.252 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN079205.D
Acq: 08 Sep 2023 18:19

Tgt Ion: 98 Resp: 111040
Ion Ratio Lower Upper
98 100
100 65.1 52.5 78.7





#72

1,2,3-Trichloropropane

Concen: 10.271 ug/l

RT: 12.859 min Scan# 1854

Delta R.T. -0.141 min

Lab File: VN079205.D

Acq: 08 Sep 2023 18:19

Instrument :

MSVOA_N

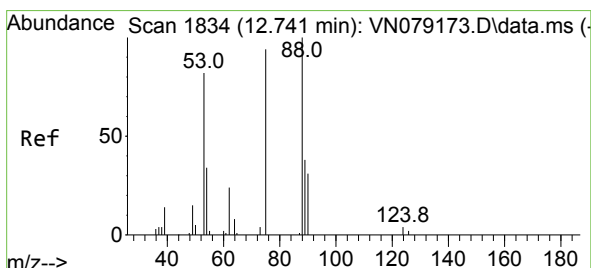
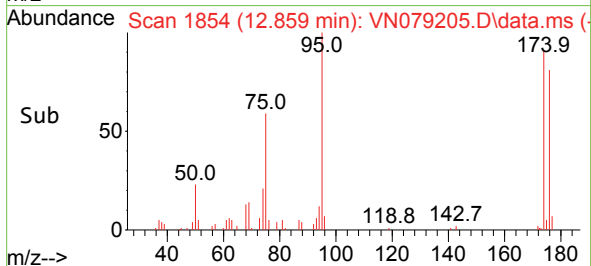
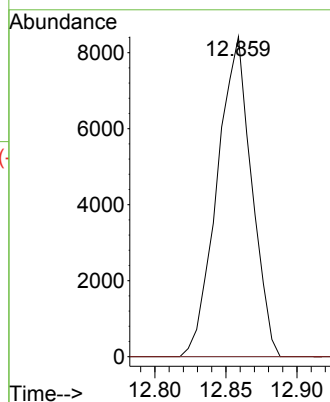
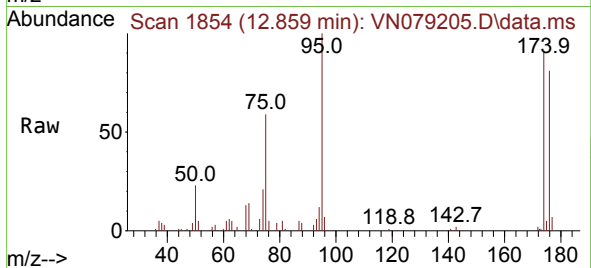
ClientSampleId :

Tgt Ion: 75 Resp: 14200

Ion Ratio Lower Upper

75 100

77 0.0 0.0 252.2



#77

t-1,4-Dichloro-2-butene

Concen: 29.174 ug/l

RT: 12.859 min Scan# 1854

Delta R.T. 0.118 min

Lab File: VN079205.D

Acq: 08 Sep 2023 18:19

Tgt Ion: 75 Resp: 14200

Ion Ratio Lower Upper

75 100

53 0.0 44.1 132.4#

89 0.0 22.4 67.3#

