

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102023\
 Data File : VN079623.D
 Acq On : 20 Oct 2023 13:05
 Operator : JC\MD
 Sample : 04963-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 20 23:48:28 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)

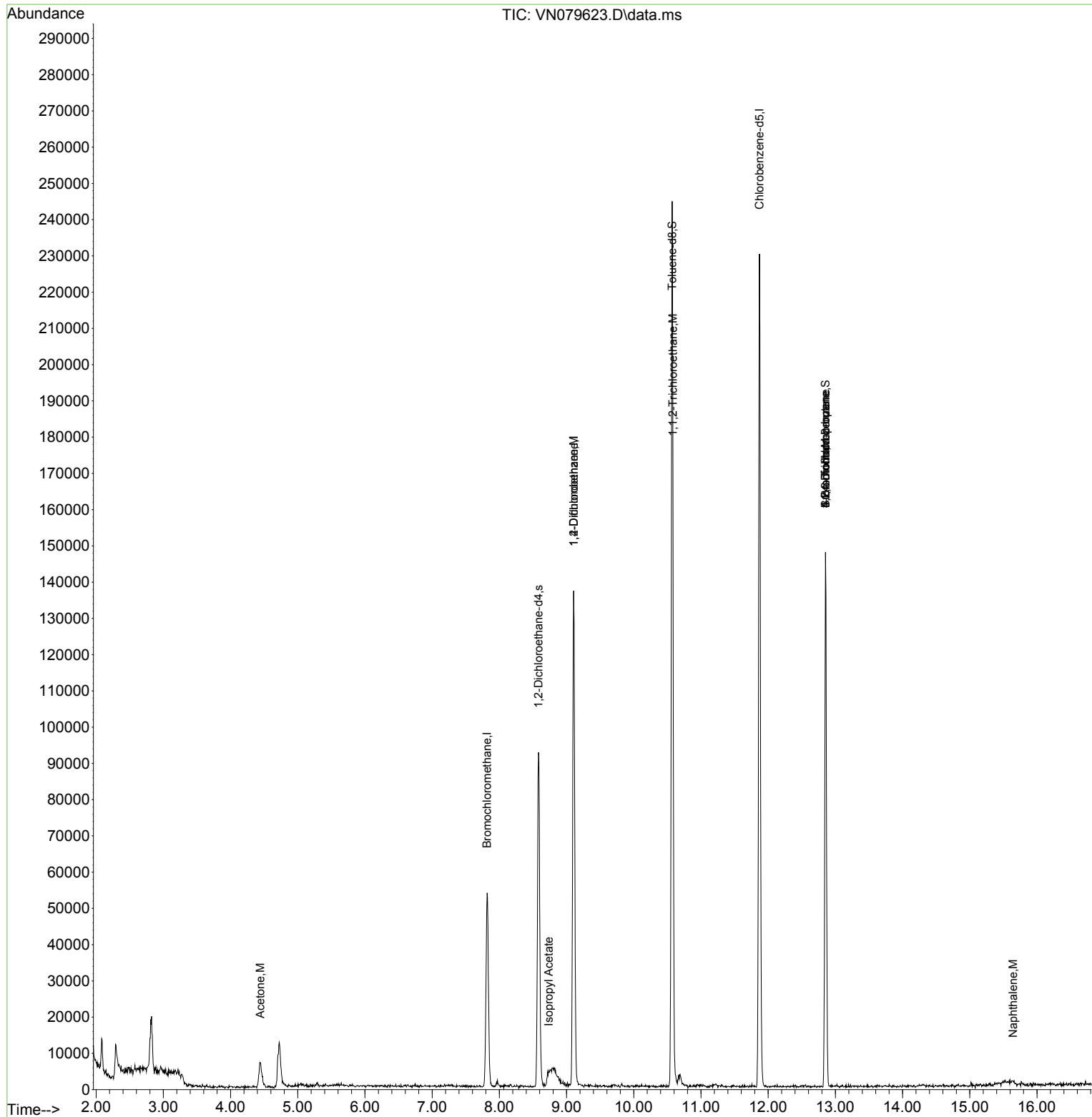
Internal Standards						
1) Bromochloromethane	7.818	128	18640	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	115929	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.871	117	134409	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.583	65	75402	28.452	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	94.833%
60) 4-Bromofluorobenzene	12.853	95	47973	19.517	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	65.067%
63) Toluene-d8	10.571	98	169977	29.512	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	98.367%
Target Compounds						
					Qvalue	
15) Acetone	4.442	58	3419	7.444	ug/l #	44
36) 1,2-Dichloroethane	9.106	62	4431	1.206	ug/l #	75
44) Isopropyl Acetate	8.735	43	2854	0.503	ug/l #	31
50) 1,1,2-Trichloroethane	10.582	97	5907	2.389	ug/l #	1
56) Bromoform	12.853	173	554	0.331	ug/l #	1
72) 1,2,3-Trichloropropane	12.853	75	28175	9.085	ug/l	1
77) t-1,4-Dichloro-2-butene	12.853	75	28175	29.768	ug/l #	7
91) Naphthalene	15.647	128	685	0.204	ug/l #	69

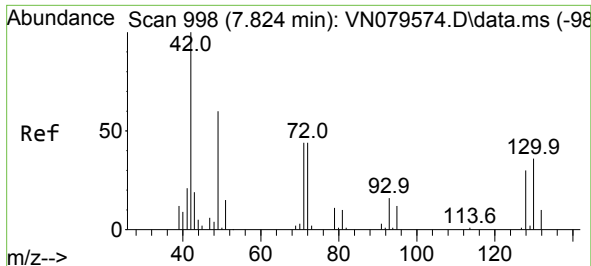
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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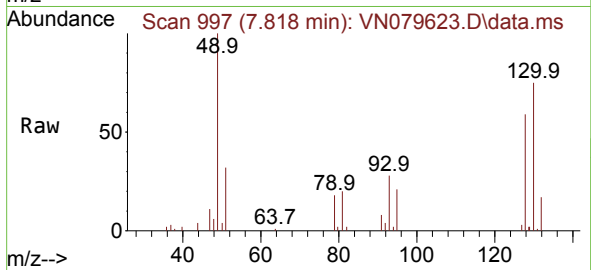
Quant Time: Oct 20 23:48:28 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N101723W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Oct 18 02:19:15 2023
Response via : Initial Calibration



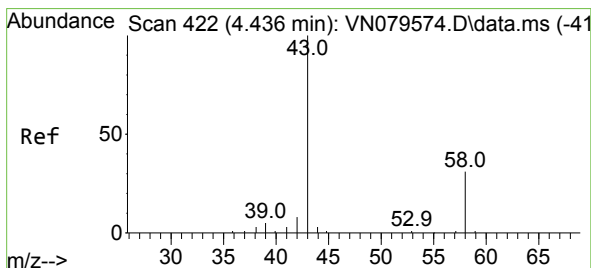
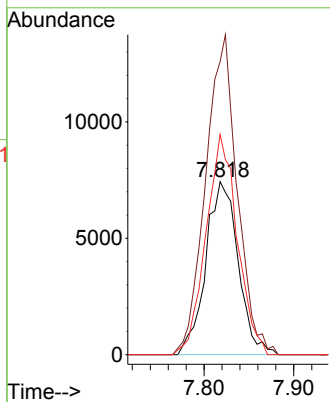
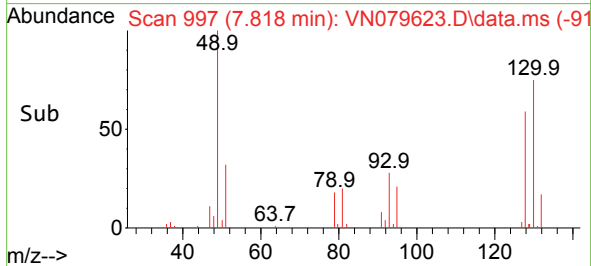


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.818 min Scan# 91
Delta R.T. -0.006 min
Lab File: VN079623.D
Acq: 20 Oct 2023 13:05

Instrument :
MSVOA_N
ClientSampleId :

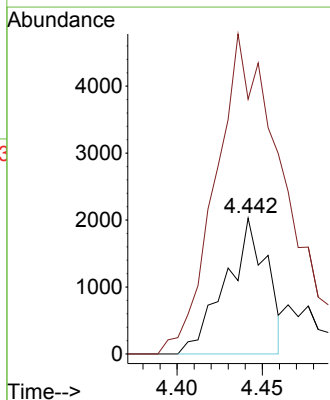
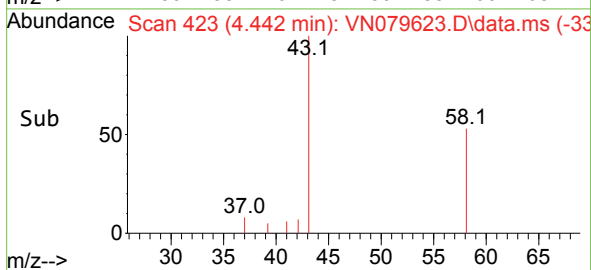
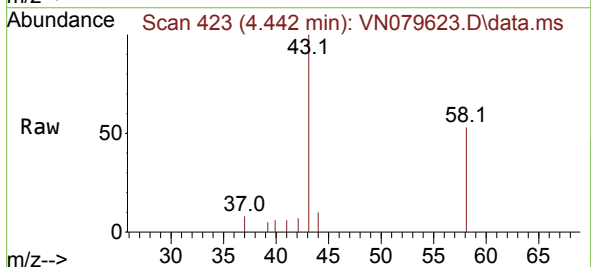


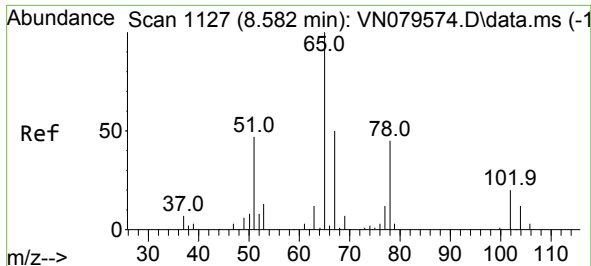
Tgt Ion:128 Resp: 18640
Ion Ratio Lower Upper
128 100
49 180.5 0.0 468.5
130 123.1 0.0 320.7



#15
Acetone
Concen: 7.444 ug/l
RT: 4.442 min Scan# 423
Delta R.T. 0.006 min
Lab File: VN079623.D
Acq: 20 Oct 2023 13:05

Tgt Ion: 58 Resp: 3419
Ion Ratio Lower Upper
58 100
43 175.4 225.2 337.8#

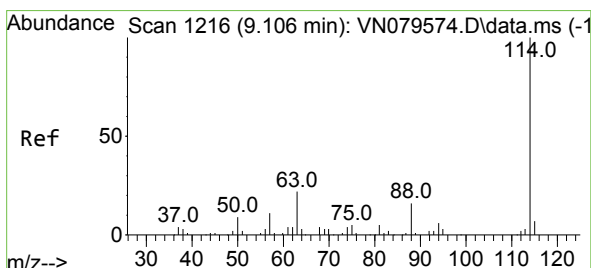
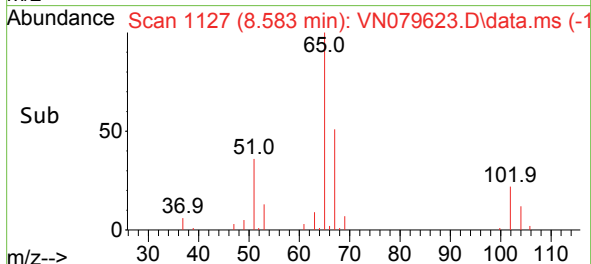
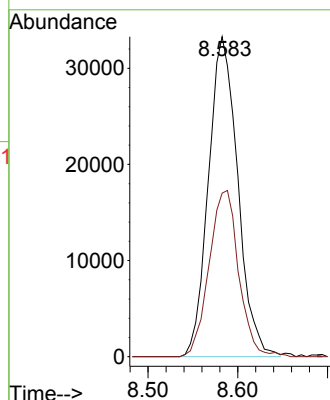
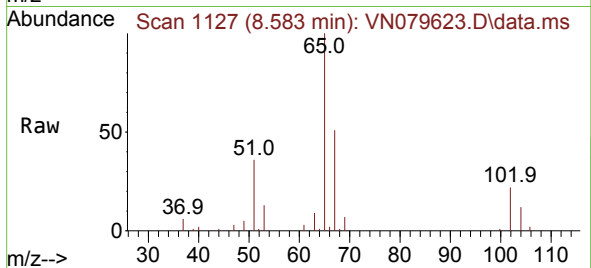




#27
 1,2-Dichloroethane-d4
 Concen: 28.452 ug/l
 RT: 8.583 min Scan# 1127
 Delta R.T. 0.000 min
 Lab File: VN079623.D
 Acq: 20 Oct 2023 13:05

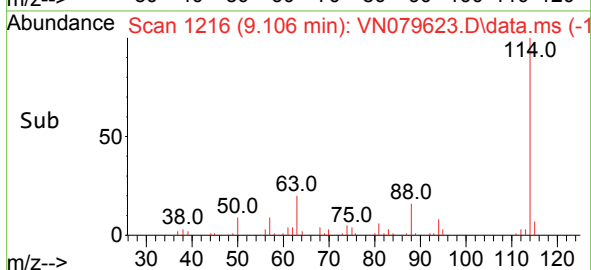
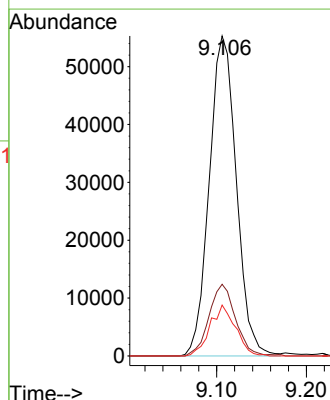
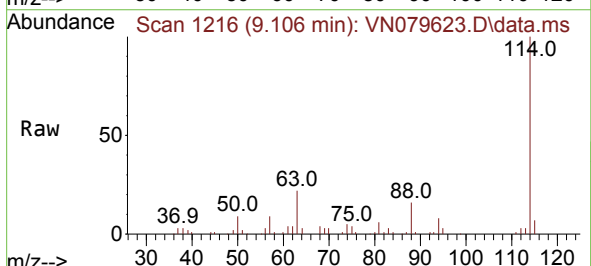
Instrument :
 MSVOA_N
 ClientSampleId :

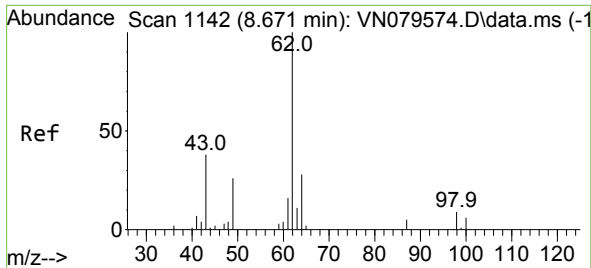
Tgt Ion: 65 Resp: 75402
 Ion Ratio Lower Upper
 65 100
 67 52.1 42.1 63.1



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 9.106 min Scan# 1216
 Delta R.T. 0.000 min
 Lab File: VN079623.D
 Acq: 20 Oct 2023 13:05

Tgt Ion: 114 Resp: 115929
 Ion Ratio Lower Upper
 114 100
 63 21.8 18.1 27.1
 88 15.0 12.2 18.2

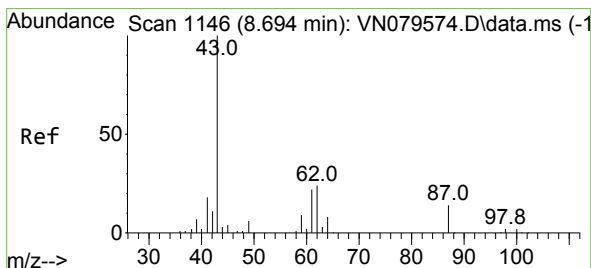
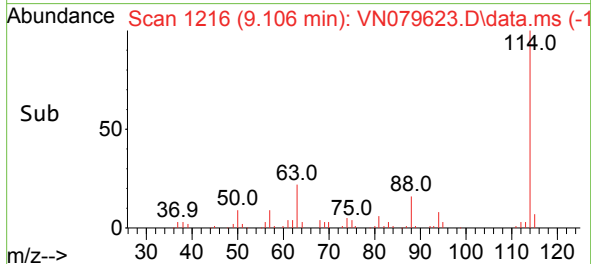
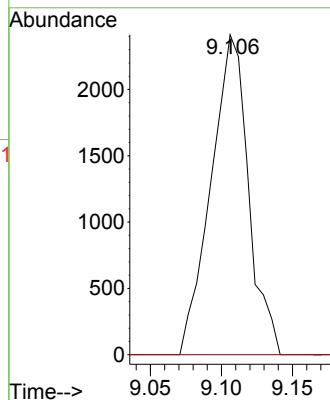
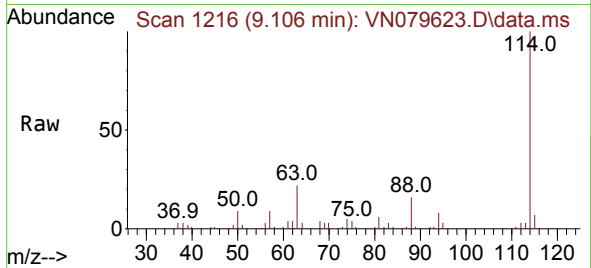




#36
1,2-Dichloroethane
Concen: 1.206 ug/l
RT: 9.106 min Scan# 1142
Delta R.T. 0.435 min
Lab File: VN079623.D
Acq: 20 Oct 2023 13:05

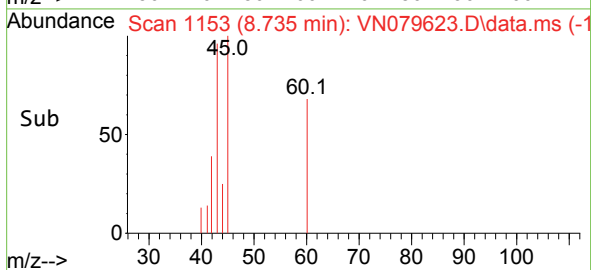
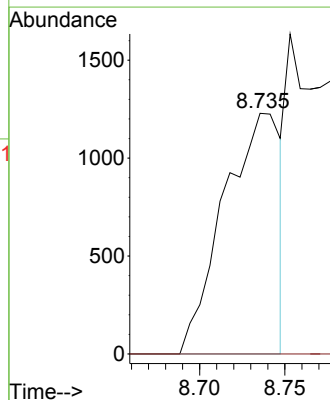
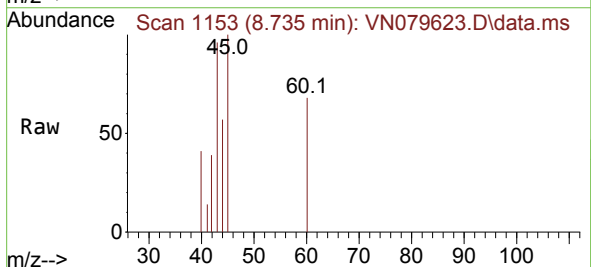
Instrument :
MSVOA_N
ClientSampleId :

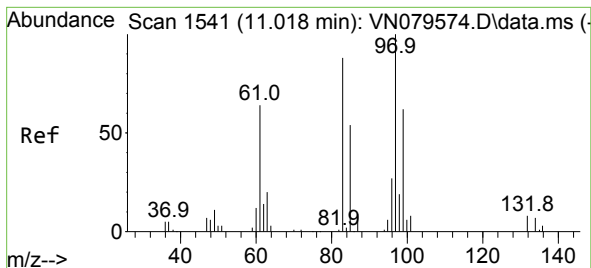
Tgt Ion: 62 Resp: 4431
Ion Ratio Lower Upper
62 100
98 0.0 7.2 10.8#



#44
Isopropyl Acetate
Concen: 0.503 ug/l
RT: 8.735 min Scan# 1153
Delta R.T. 0.041 min
Lab File: VN079623.D
Acq: 20 Oct 2023 13:05

Tgt Ion: 43 Resp: 2854
Ion Ratio Lower Upper
43 100
61 60.1 20.3 30.5#





#50

1,1,2-Trichloroethane

Concen: 2.389 ug/l

RT: 10.582 min Scan# 1467

Delta R.T. -0.435 min

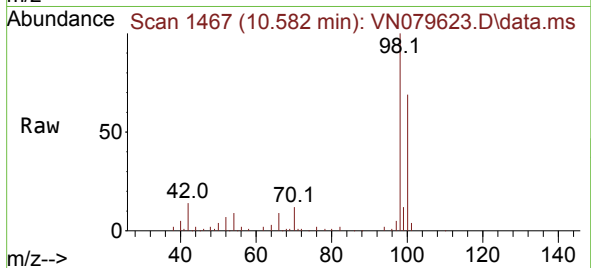
Lab File: VN079623.D

Acq: 20 Oct 2023 13:05

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 97 Resp: 5907

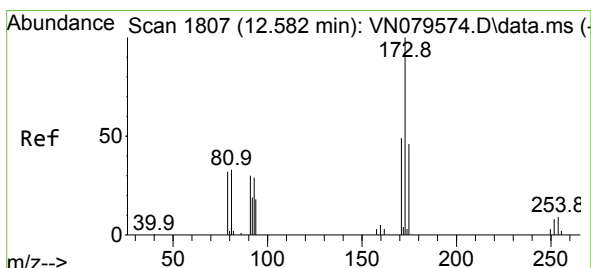
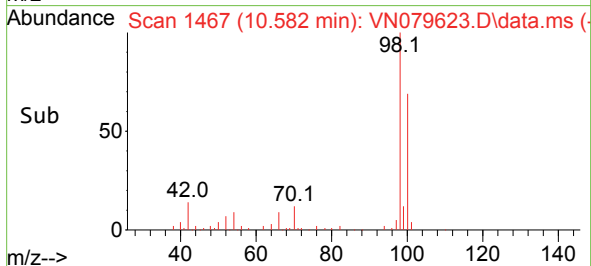
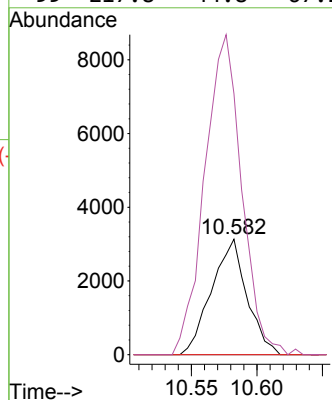
Ion Ratio Lower Upper

97 100

83 0.0 68.2 102.4#

85 0.0 42.9 64.3#

99 217.8 44.8 67.2#



#56

Bromoform

Concen: 0.331 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.271 min

Lab File: VN079623.D

Acq: 20 Oct 2023 13:05

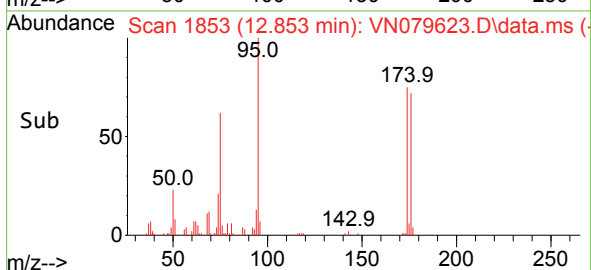
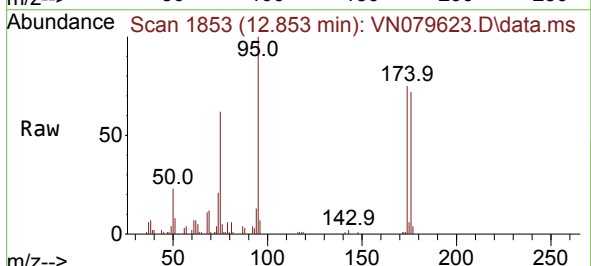
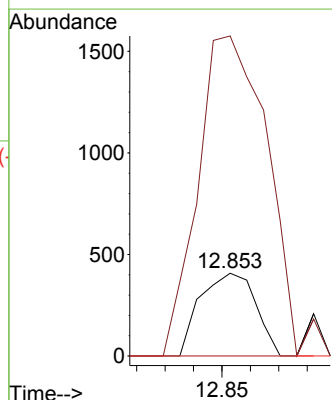
Tgt Ion:173 Resp: 554

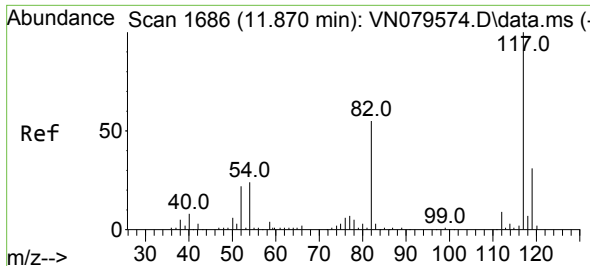
Ion Ratio Lower Upper

173 100

175 477.3 37.9 56.9#

254 0.0 7.3 10.9#





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.871 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN079623.D

Acq: 20 Oct 2023 13:05

Instrument :

MSVOA_N

ClientSampleId :

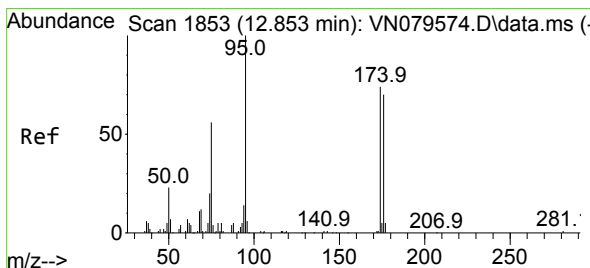
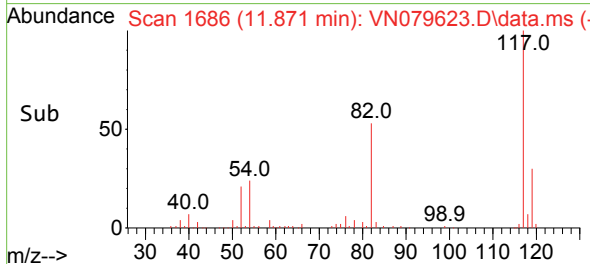
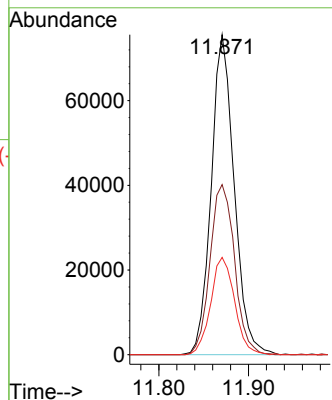
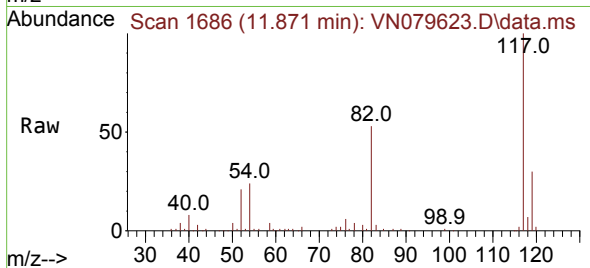
Tgt Ion:117 Resp: 134409

Ion Ratio Lower Upper

117 100

82 56.7 46.2 69.2

119 31.6 25.2 37.8



#60

4-Bromofluorobenzene

Concen: 19.517 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.000 min

Lab File: VN079623.D

Acq: 20 Oct 2023 13:05

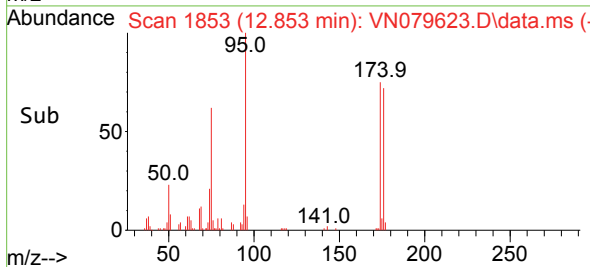
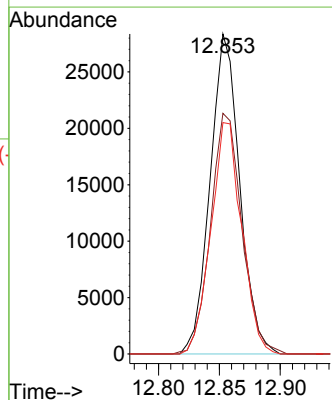
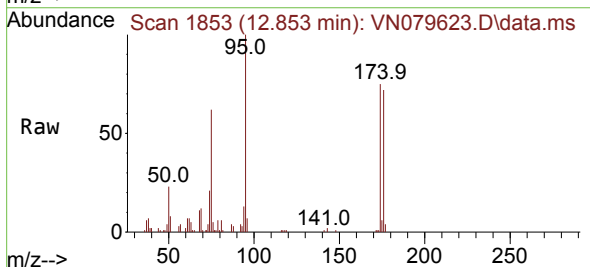
Tgt Ion: 95 Resp: 47973

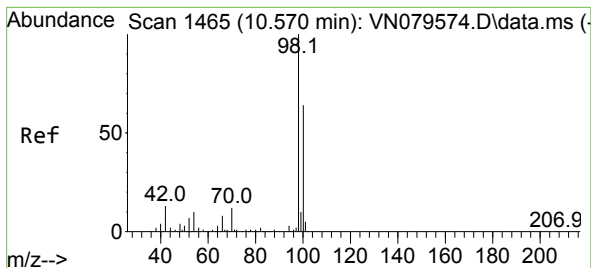
Ion Ratio Lower Upper

95 100

174 79.6 60.5 90.7

176 75.3 57.2 85.8





#63

Toluene-d8

Concen: 29.512 ug/l

RT: 10.571 min Scan# 14

Delta R.T. 0.000 min

Lab File: VN079623.D

Acq: 20 Oct 2023 13:05

Instrument :

MSVOA_N

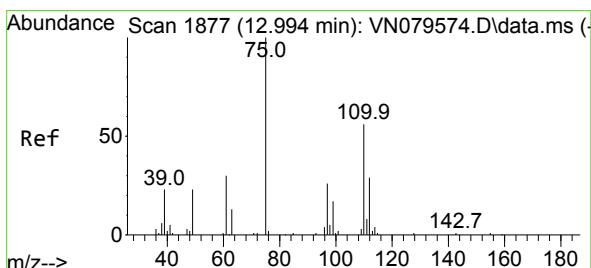
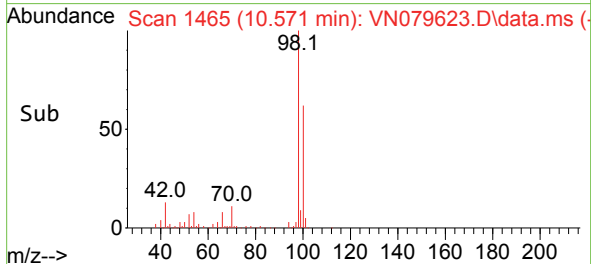
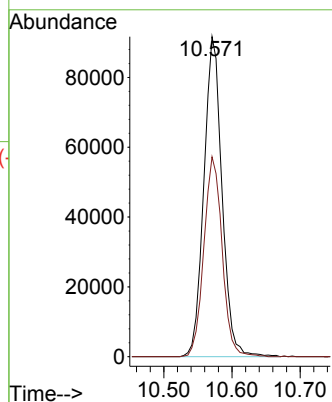
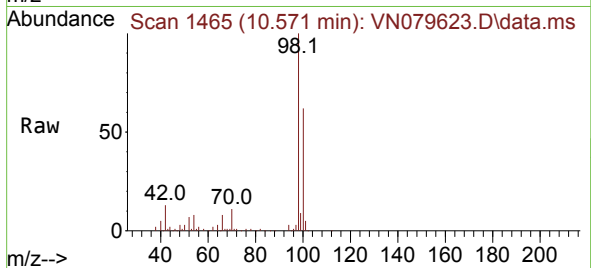
ClientSampleId :

Tgt Ion: 98 Resp: 169977

Ion Ratio Lower Upper

98 100

100 62.9 51.6 77.4



#72

1,2,3-Trichloropropane

Concen: 9.085 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN079623.D

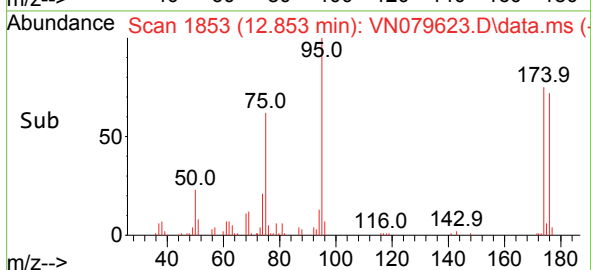
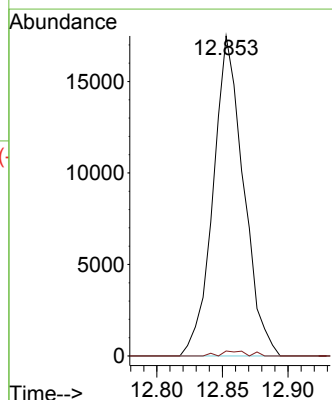
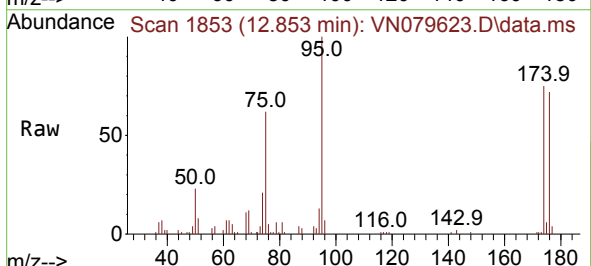
Acq: 20 Oct 2023 13:05

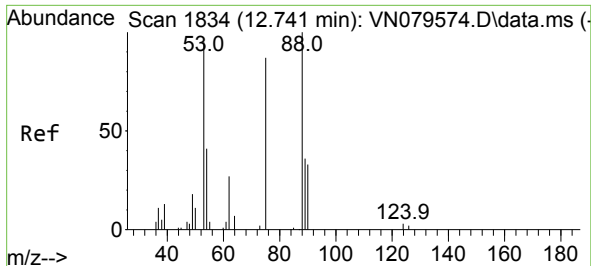
Tgt Ion: 75 Resp: 28175

Ion Ratio Lower Upper

75 100

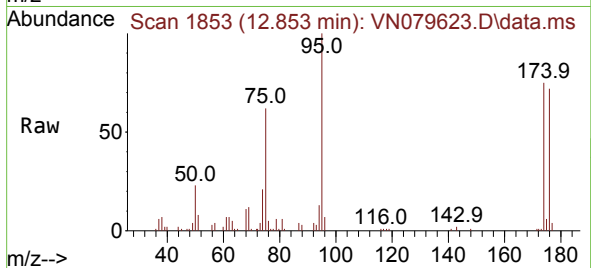
77 0.9 0.0 338.2



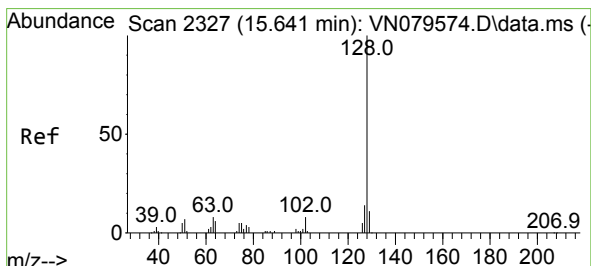
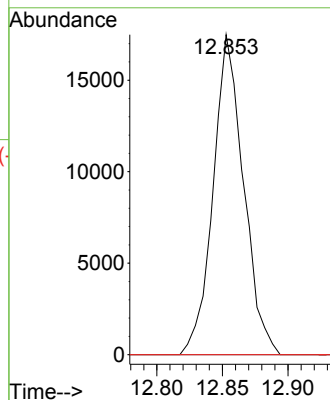
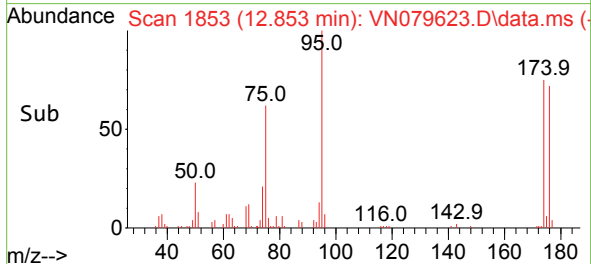


#77
t-1,4-Dichloro-2-butene
Concen: 29.768 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN079623.D
Acq: 20 Oct 2023 13:05

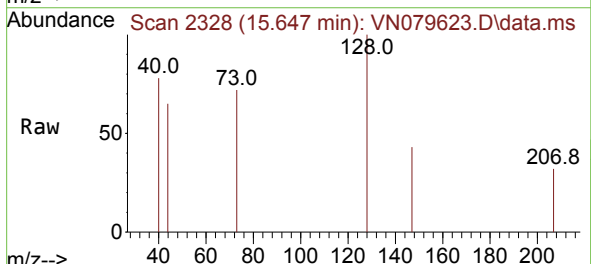
Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 75 Resp: 28175
Ion Ratio Lower Upper
75 100
53 0.0 53.0 159.1#
89 0.0 22.6 67.7#



#91
Naphthalene
Concen: 0.204 ug/l
RT: 15.647 min Scan# 2328
Delta R.T. 0.006 min
Lab File: VN079623.D
Acq: 20 Oct 2023 13:05



Tgt Ion: 128 Resp: 685
Ion Ratio Lower Upper
128 100
127 0.0 10.9 16.3#
129 0.0 8.6 12.8#

