

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102023\
 Data File : VN079631.D
 Acq On : 20 Oct 2023 16:29
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 20 23:51:09 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)

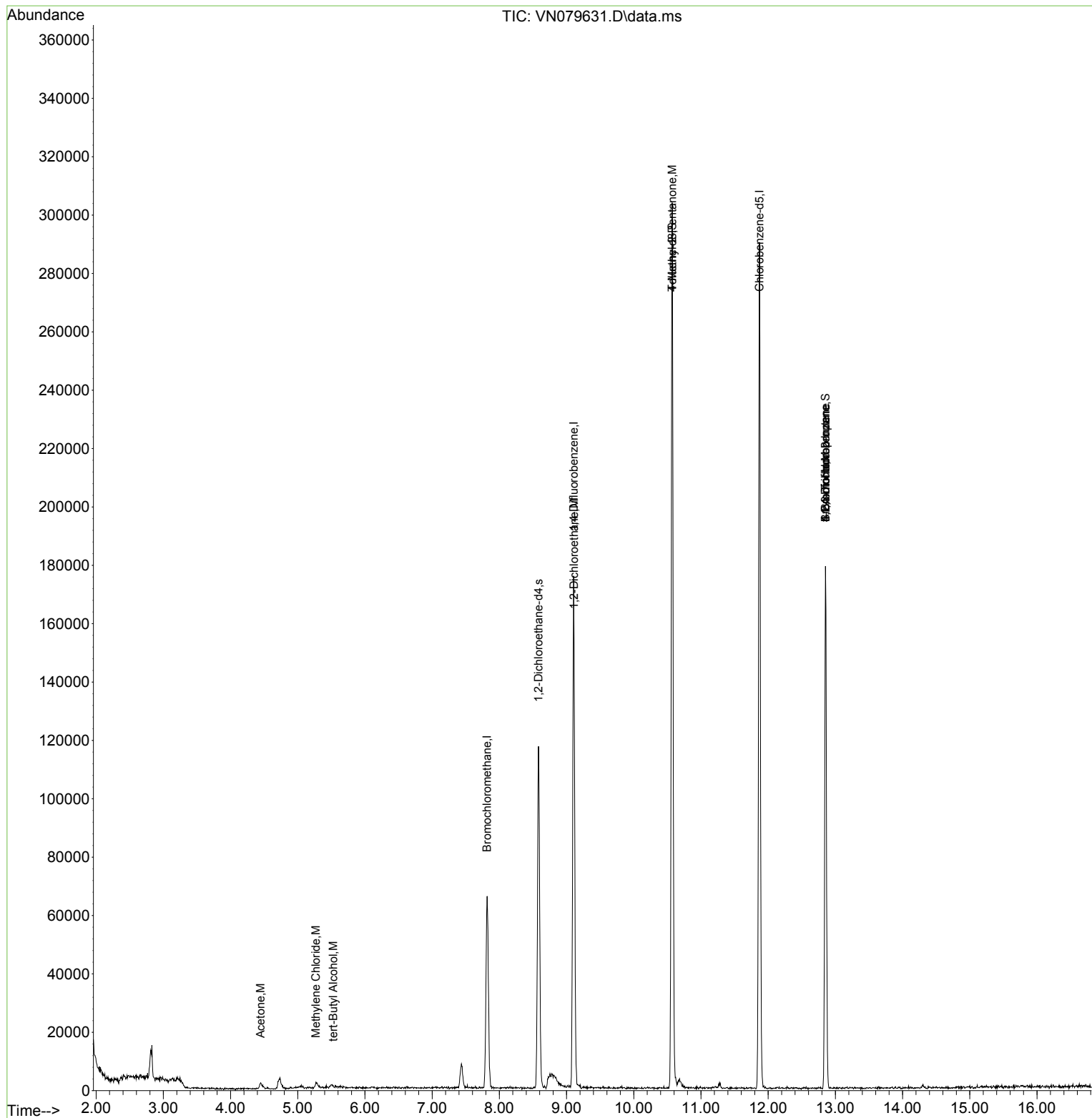
Internal Standards						
1) Bromochloromethane	7.818	128	21181	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	138306	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.870	117	166187	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.582	65	94125	31.256	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	104.200%
60) 4-Bromofluorobenzene	12.853	95	60522	19.915	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	66.367%
63) Toluene-d8	10.571	98	205109	28.802	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	96.000%
Target Compounds						
					Qvalue	
15) Acetone	4.447	58	628	1.203	ug/l	98
18) Methylene Chloride	5.271	84	791	0.225	ug/l #	34
23) tert-Butyl Alcohol	5.530	59	118	0.214	ug/l #	100
36) 1,2-Dichloroethane	9.112	62	5951	1.357	ug/l #	75
56) Bromoform	12.853	173	502	0.252	ug/l #	1
58) 4-Methyl-2-Pentanone	10.571	43	881	0.227	ug/l #	1
72) 1,2,3-Trichloropropane	12.853	75	32290	8.421	ug/l	1
77) t-1,4-Dichloro-2-butene	12.853	75	32290	27.592	ug/l #	7

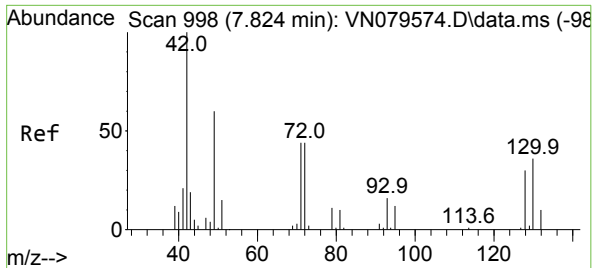
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102023\
Data File : VN079631.D
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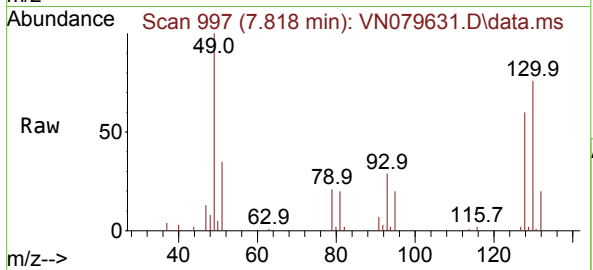
Quant Time: Oct 20 23:51:09 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N101723W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Oct 18 02:19:15 2023
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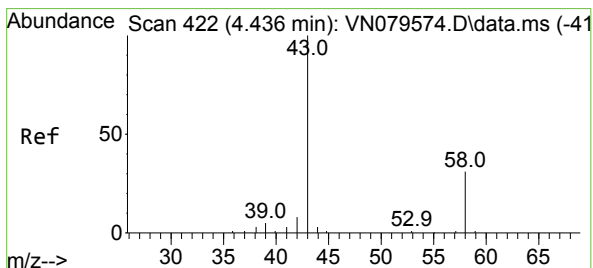
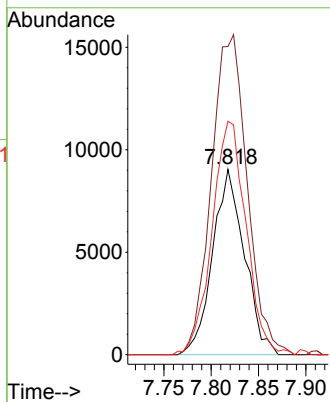
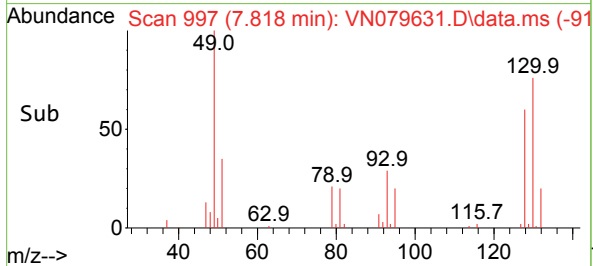


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.818 min Scan# 91
Delta R.T. -0.006 min
Lab File: VN079631.D
Acq: 20 Oct 2023 16:29

Instrument :
MSVOA_N
ClientSampleId :

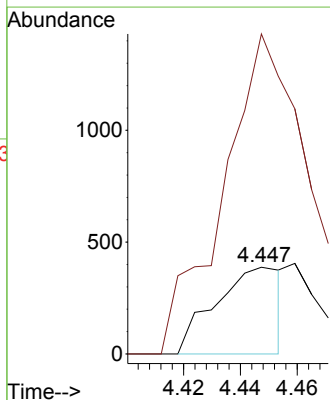
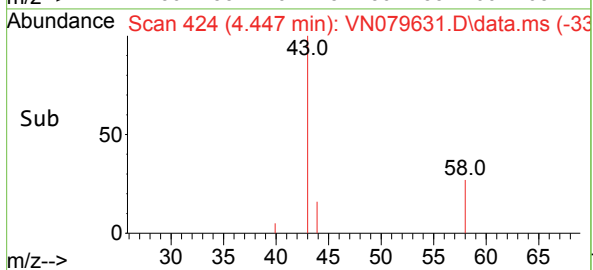
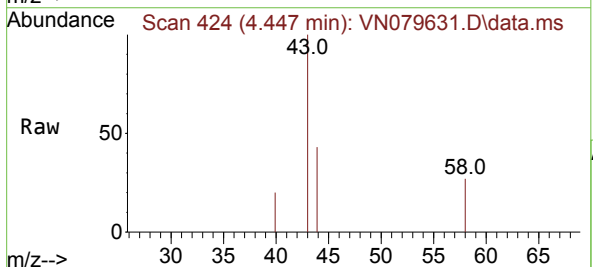


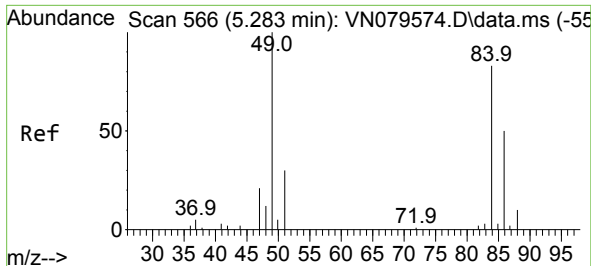
Tgt Ion:128 Resp: 21181
Ion Ratio Lower Upper
128 100
49 193.7 0.0 468.5
130 133.9 0.0 320.7



#15
Acetone
Concen: 1.203 ug/l
RT: 4.447 min Scan# 424
Delta R.T. 0.012 min
Lab File: VN079631.D
Acq: 20 Oct 2023 16:29

Tgt Ion: 58 Resp: 628
Ion Ratio Lower Upper
58 100
43 278.6 225.2 337.8





#18

Methylene Chloride

Concen: 0.225 ug/l

RT: 5.271 min Scan# 5

Delta R.T. -0.012 min

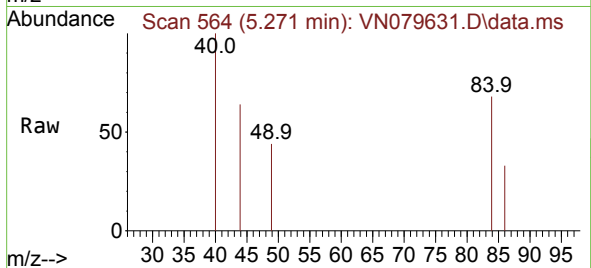
Lab File: VN079631.D

Acq: 20 Oct 2023 16:29

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 84 Resp: 791

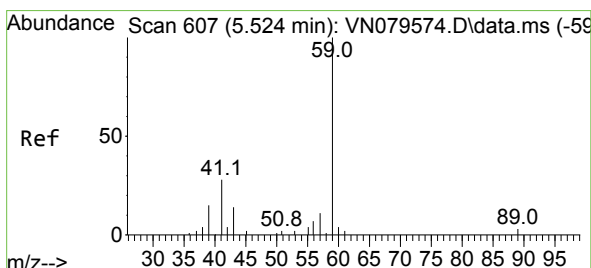
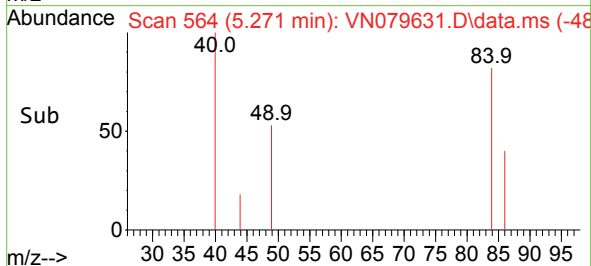
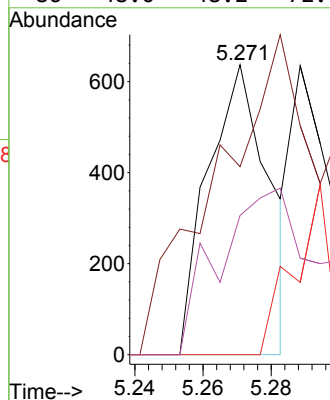
Ion Ratio Lower Upper

84 100

49 21.5 100.9 151.3#

51 0.0 29.4 44.2#

86 48.0 48.2 72.4#



#23

tert-Butyl Alcohol

Concen: 0.214 ug/l

RT: 5.530 min Scan# 608

Delta R.T. 0.006 min

Lab File: VN079631.D

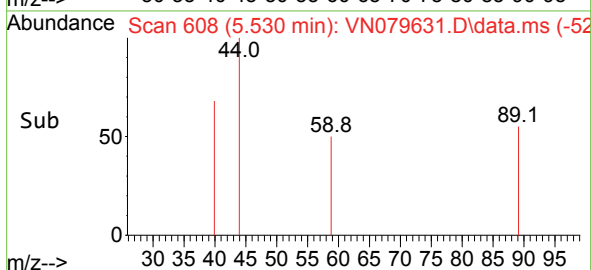
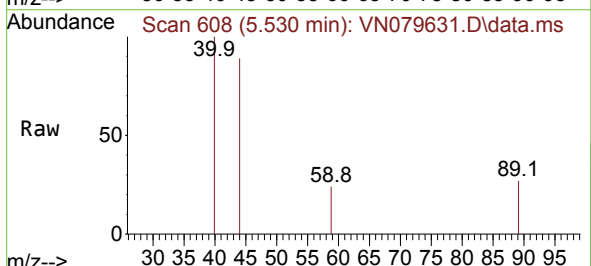
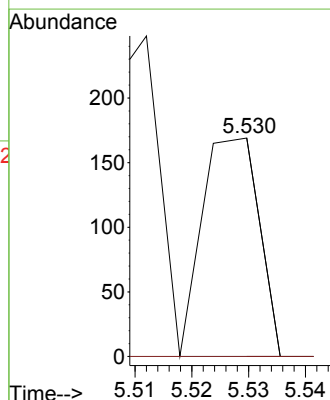
Acq: 20 Oct 2023 16:29

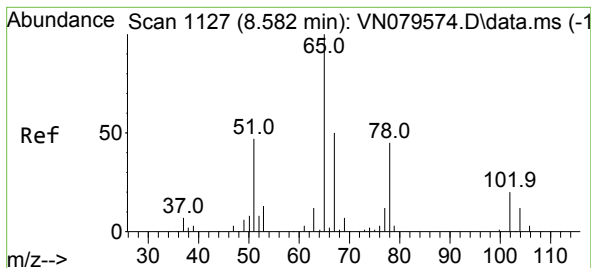
Tgt Ion: 59 Resp: 118

Ion Ratio Lower Upper

59 100

52 0.0 0.0 0.0





#27

1,2-Dichloroethane-d4

Concen: 31.256 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VN079631.D

Acq: 20 Oct 2023 16:29

Instrument :

MSVOA_N

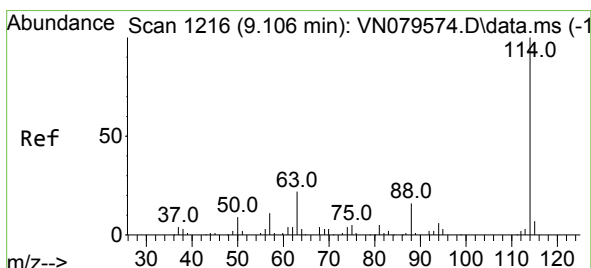
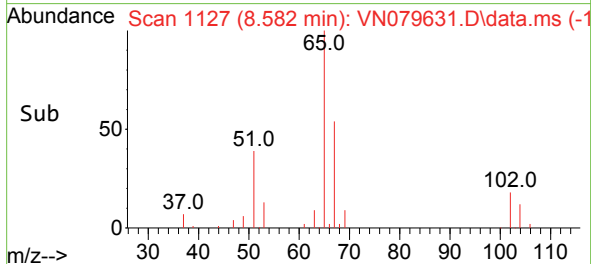
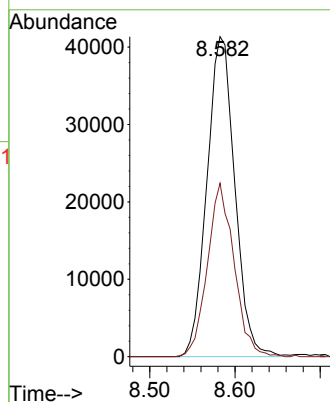
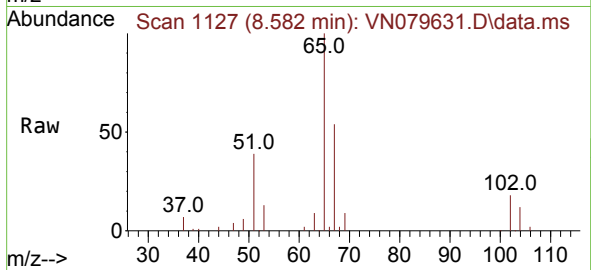
ClientSampleId :

Tgt Ion: 65 Resp: 94125

Ion Ratio Lower Upper

65 100

67 51.6 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: VN079631.D

Acq: 20 Oct 2023 16:29

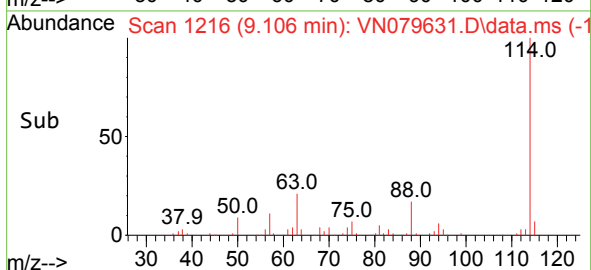
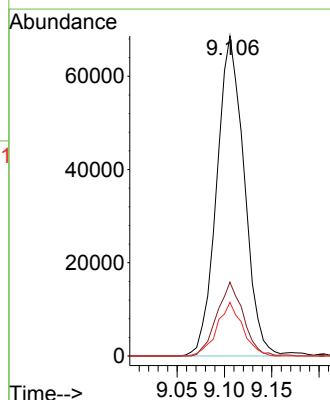
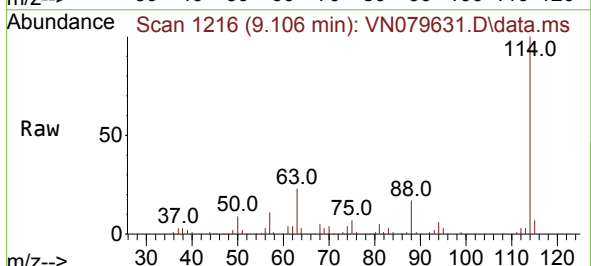
Tgt Ion: 114 Resp: 138306

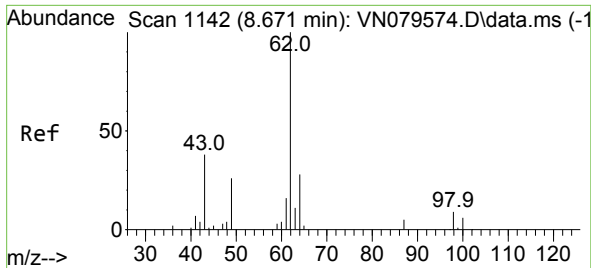
Ion Ratio Lower Upper

114 100

63 22.2 18.1 27.1

88 15.6 12.2 18.2

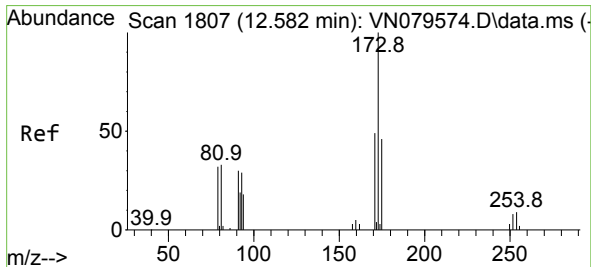
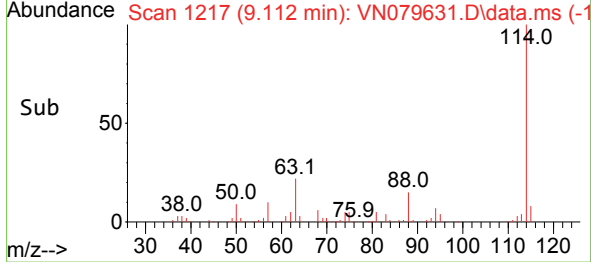
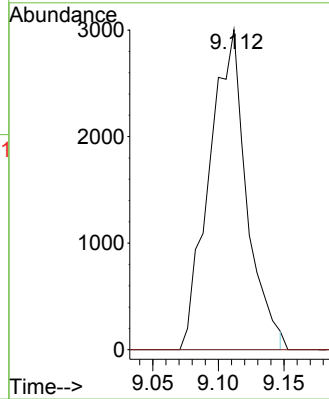
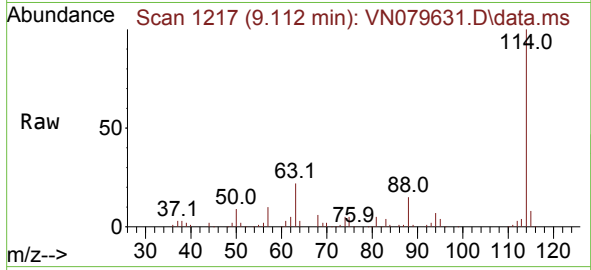




#36
1,2-Dichloroethane
Concen: 1.357 ug/l
RT: 9.112 min Scan# 1142
Delta R.T. 0.441 min
Lab File: VN079631.D
Acq: 20 Oct 2023 16:29

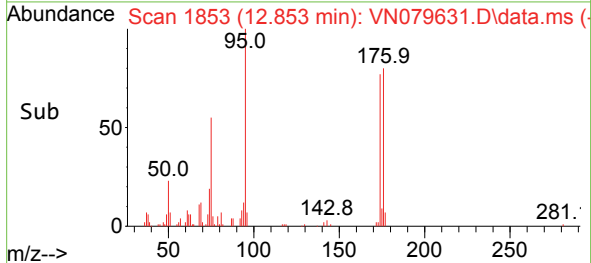
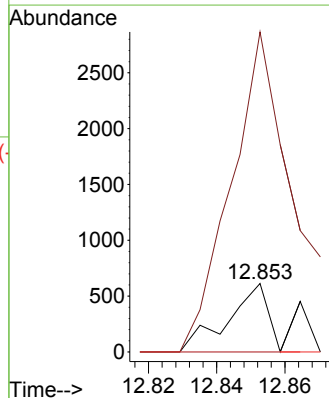
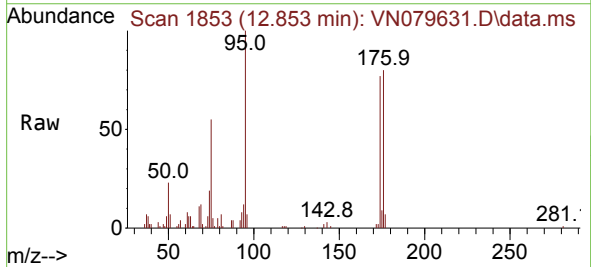
Instrument :
MSVOA_N
ClientSampleId :

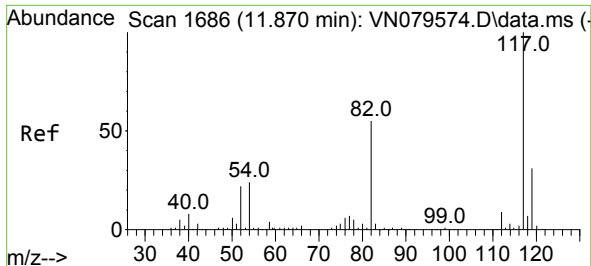
Tgt Ion: 62 Resp: 5951
Ion Ratio Lower Upper
62 100
98 0.0 7.2 10.8#



#56
Bromoform
Concen: 0.252 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.271 min
Lab File: VN079631.D
Acq: 20 Oct 2023 16:29

Tgt Ion:173 Resp: 502
Ion Ratio Lower Upper
173 100
175 752.0 37.9 56.9#
254 0.0 7.3 10.9#

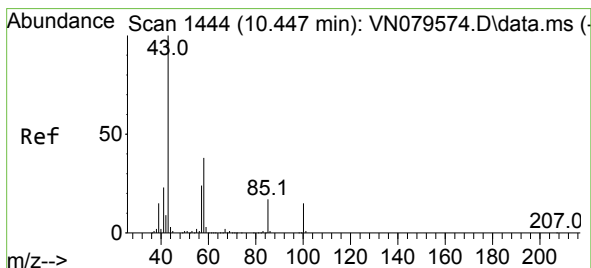
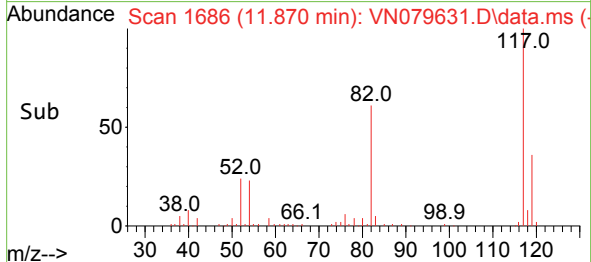
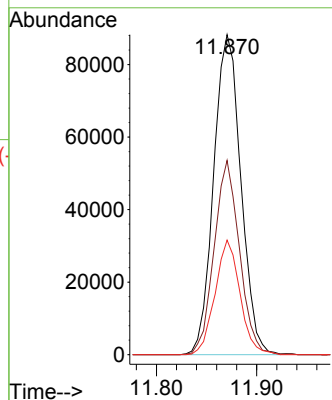
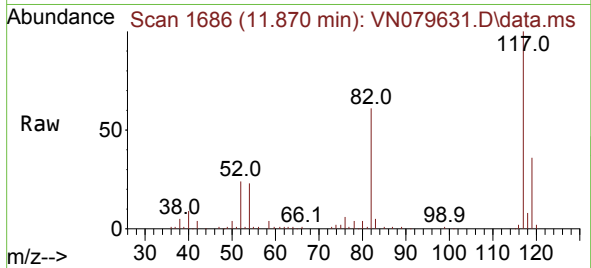




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.870 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN079631.D
Acq: 20 Oct 2023 16:29

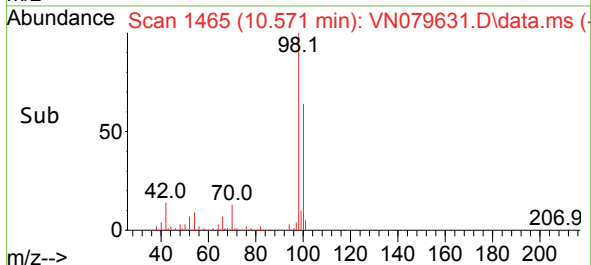
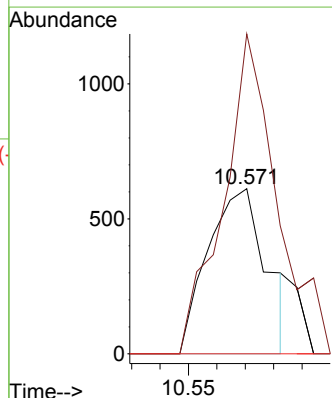
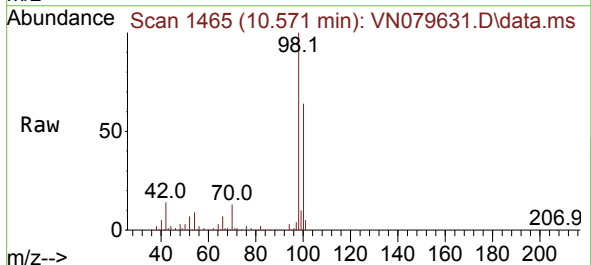
Instrument :
MSVOA_N
ClientSampleId :

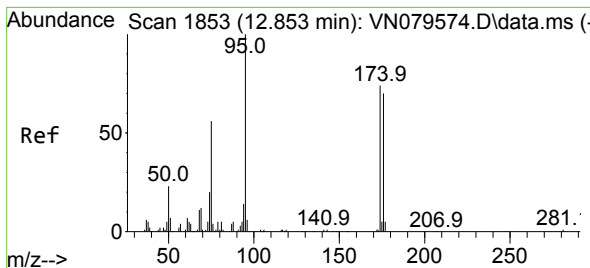
Tgt Ion:117 Resp: 166187
Ion Ratio Lower Upper
117 100
82 56.5 46.2 69.2
119 32.9 25.2 37.8



#58
4-Methyl-2-Pentanone
Concen: 0.227 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.124 min
Lab File: VN079631.D
Acq: 20 Oct 2023 16:29

Tgt Ion: 43 Resp: 881
Ion Ratio Lower Upper
43 100
58 176.5 30.4 45.6#
85 0.0 13.2 19.8#

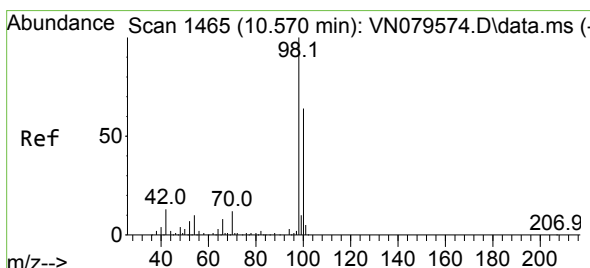
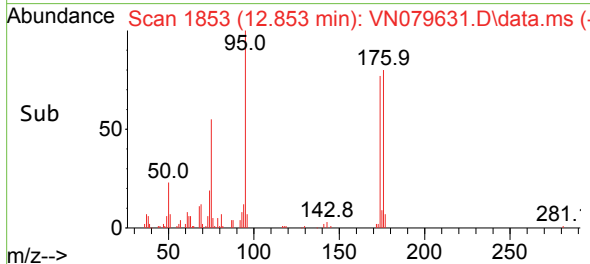
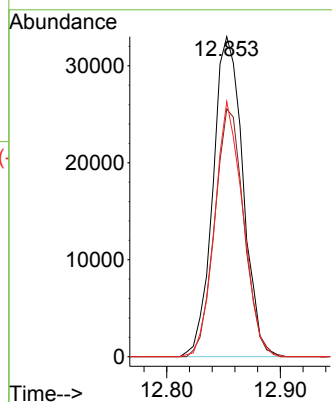
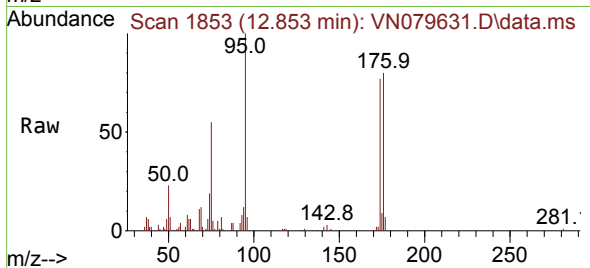




#60
4-Bromofluorobenzene
Concen: 19.915 ug/l
RT: 12.853 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN079631.D
Acq: 20 Oct 2023 16:29

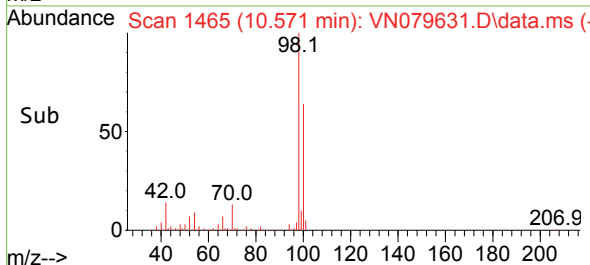
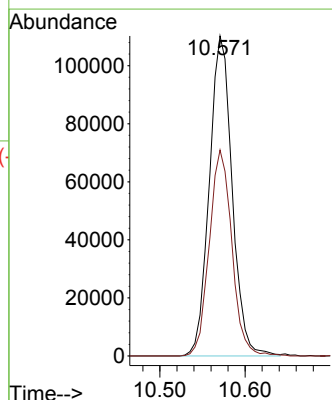
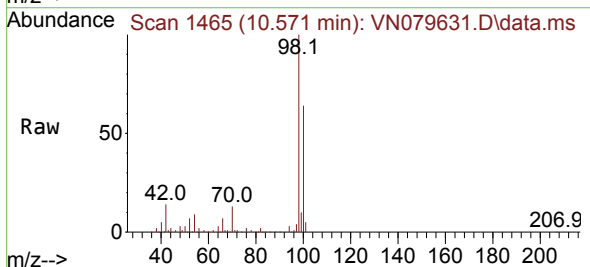
Instrument :
MSVOA_N
ClientSampleId :

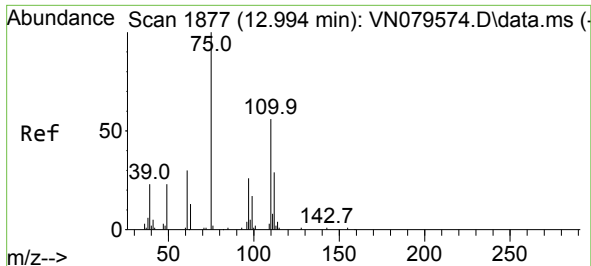
Tgt Ion: 95 Resp: 60522
Ion Ratio Lower Upper
95 100
174 75.9 60.5 90.7
176 75.1 57.2 85.8



#63
Toluene-d8
Concen: 28.802 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN079631.D
Acq: 20 Oct 2023 16:29

Tgt Ion: 98 Resp: 205109
Ion Ratio Lower Upper
98 100
100 63.7 51.6 77.4

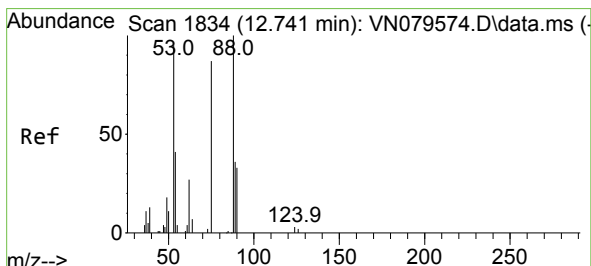
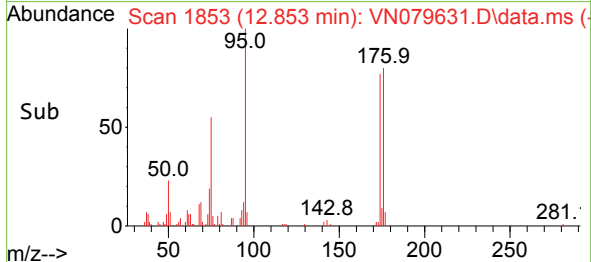
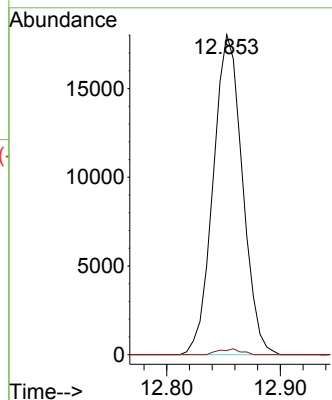
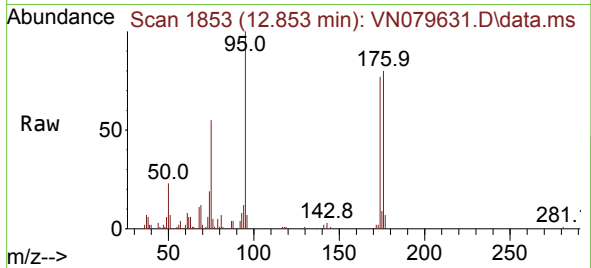




#72
1,2,3-Trichloropropane
Concen: 8.421 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN079631.D
Acq: 20 Oct 2023 16:29

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 32290
Ion Ratio Lower Upper
75 100
77 1.4 0.0 338.2



#77
t-1,4-Dichloro-2-butene
Concen: 27.592 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN079631.D
Acq: 20 Oct 2023 16:29

Tgt Ion: 75 Resp: 32290
Ion Ratio Lower Upper
75 100
53 0.0 53.0 159.1#
89 0.0 22.6 67.7#

