

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101823\
 Data File : VN079603.D
 Acq On : 18 Oct 2023 16:13
 Operator : JC\MD
 Sample : 04943-04 10X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 19 06:16:20 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)

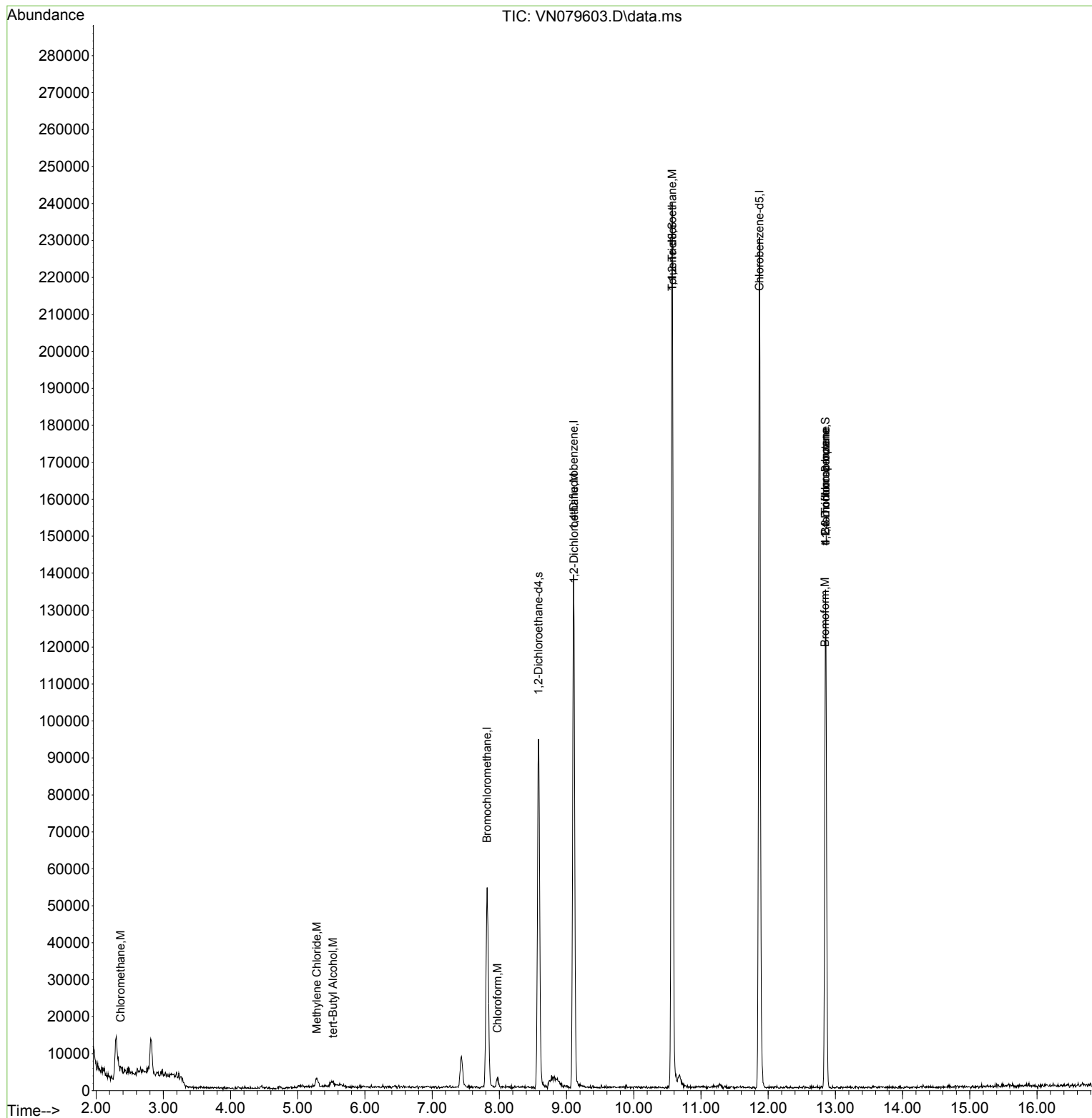
Internal Standards						
1) Bromochloromethane	7.818	128	11702	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	113436	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.871	117	134323	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.583	65	77733	46.721	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	155.733%#
60) 4-Bromofluorobenzene	12.853	95	47295	19.254	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	64.167%
63) Toluene-d8	10.571	98	166946	29.005	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	96.667%
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	468	0.213	ug/l #	43
18) Methylene Chloride	5.283	84	690	0.356	ug/l #	13
23) tert-Butyl Alcohol	5.524	59	377	1.239	ug/l #	100
25) Chloroform	7.971	83	2332	0.659	ug/l	97
36) 1,2-Dichloroethane	9.112	62	4497	1.250	ug/l #	75
50) 1,1,2-Trichloroethane	10.571	97	3490	1.442	ug/l #	1
56) Bromoform	12.847	173	379	0.232	ug/l #	37
72) 1,2,3-Trichloropropane	12.853	75	26354	8.504	ug/l	1
77) t-1,4-Dichloro-2-butene	12.853	75	26354	27.862	ug/l #	7

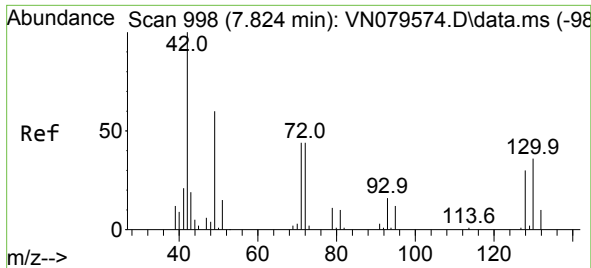
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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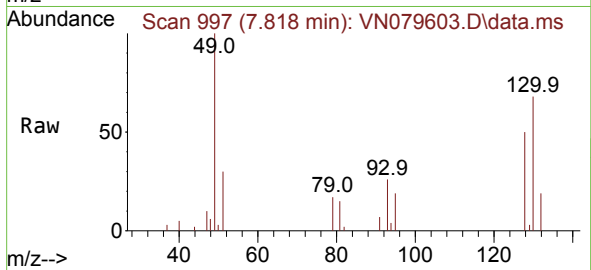
Quant Time: Oct 19 06:16:20 2023
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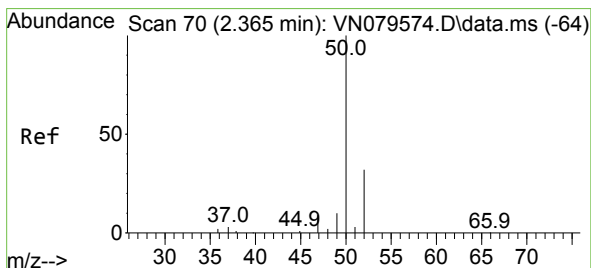
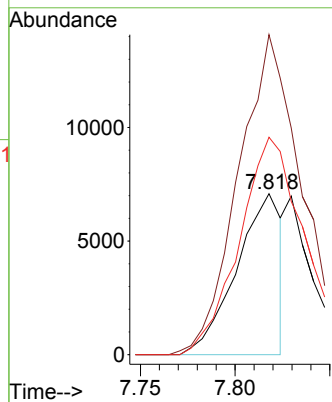
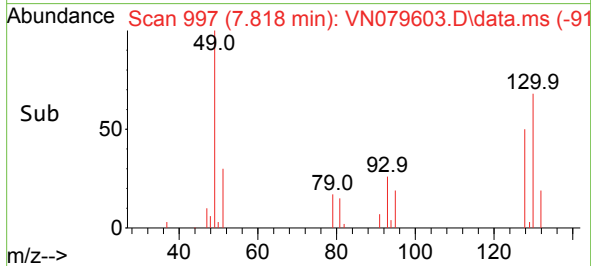


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.818 min Scan# 91
Delta R.T. -0.006 min
Lab File: VN079603.D
Acq: 18 Oct 2023 16:13

Instrument :
MSVOA_N
ClientSampleId :

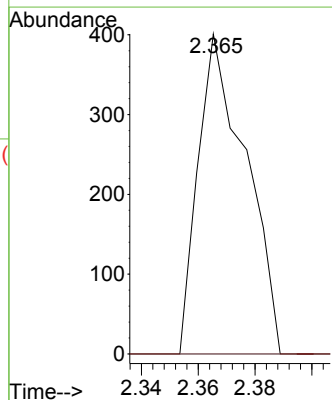
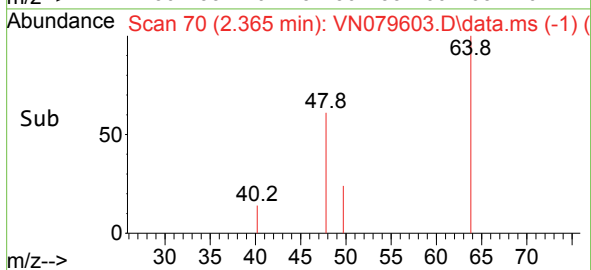
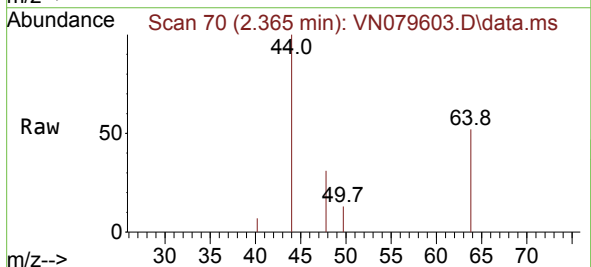


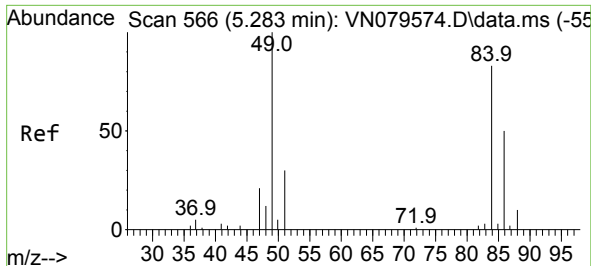
Tgt Ion:128 Resp: 11702
Ion Ratio Lower Upper
128 100
49 283.4 0.0 468.5
130 195.8 0.0 320.7



#3
Chloromethane
Concen: 0.213 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.000 min
Lab File: VN079603.D
Acq: 18 Oct 2023 16:13

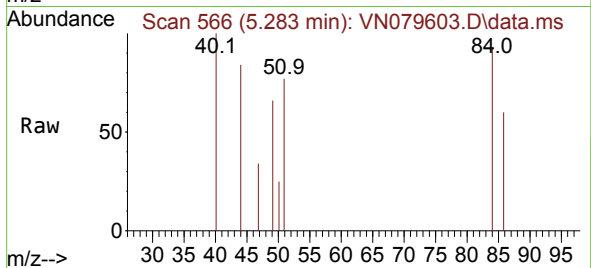
Tgt Ion: 50 Resp: 468
Ion Ratio Lower Upper
50 100
52 0.0 25.6 38.4#



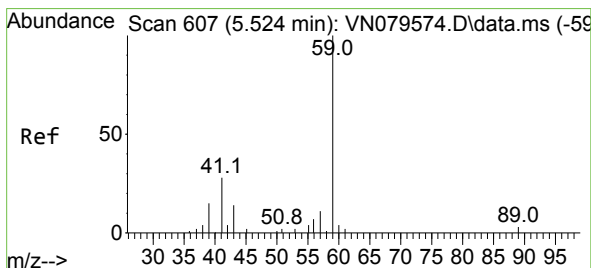
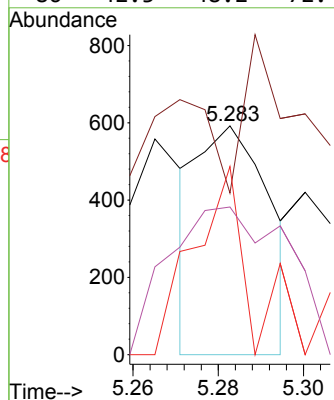


#18
Methylene Chloride
Concen: 0.356 ug/l
RT: 5.283 min Scan# 51
Delta R.T. 0.000 min
Lab File: VN079603.D
Acq: 18 Oct 2023 16:13

Instrument :
MSVOA_N
ClientSampleId :

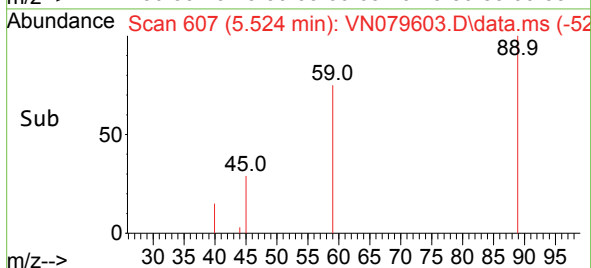
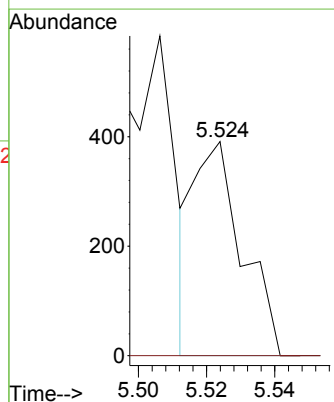
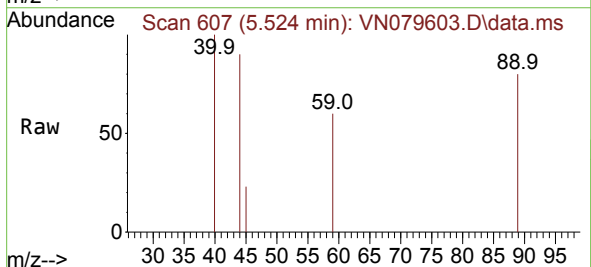


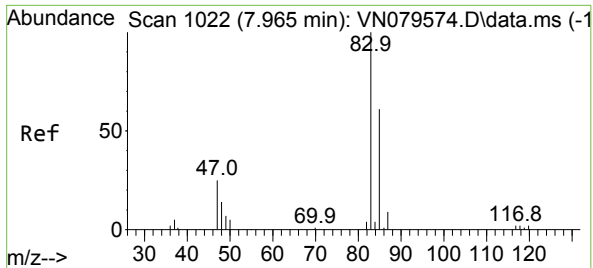
Tgt Ion:	84	Resp:	690
Ion	Ratio	Lower	Upper
84	100		
49	0.0	100.9	151.3#
51	102.0	29.4	44.2#
86	42.3	48.2	72.4#



#23
tert-Butyl Alcohol
Concen: 1.239 ug/l
RT: 5.524 min Scan# 607
Delta R.T. 0.000 min
Lab File: VN079603.D
Acq: 18 Oct 2023 16:13

Tgt Ion:	59	Resp:	377
Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.0	0.0





#25

Chloroform

Concen: 0.659 ug/l

RT: 7.971 min Scan# 1022

Delta R.T. 0.006 min

Lab File: VN079603.D

Acq: 18 Oct 2023 16:13

Instrument :

MSVOA_N

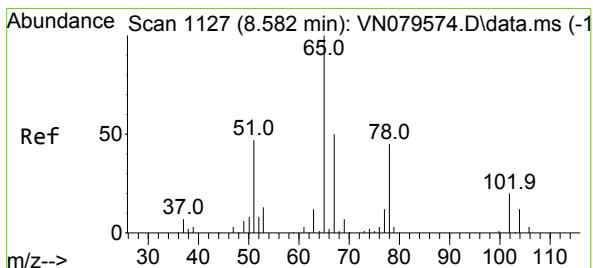
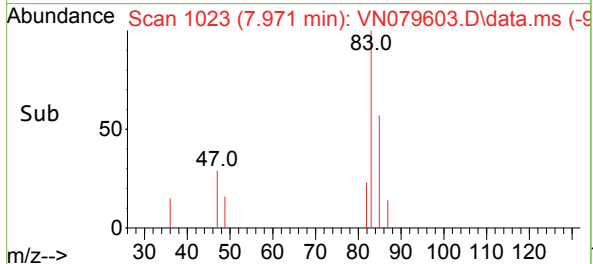
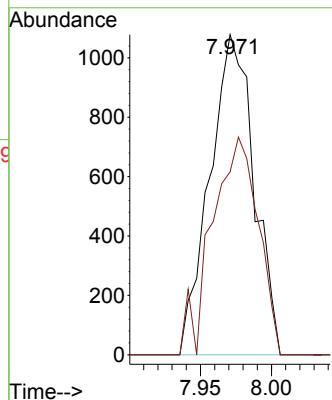
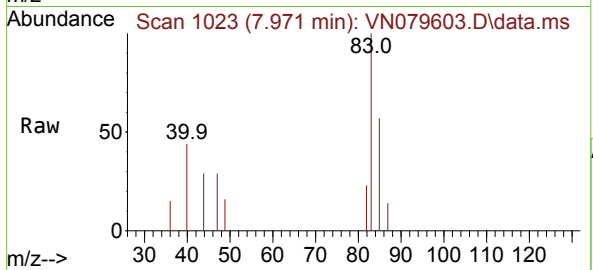
ClientSampleId :

Tgt Ion: 83 Resp: 2332

Ion Ratio Lower Upper

83 100

85 57.1 47.4 71.2



#27

1,2-Dichloroethane-d4

Concen: 46.721 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VN079603.D

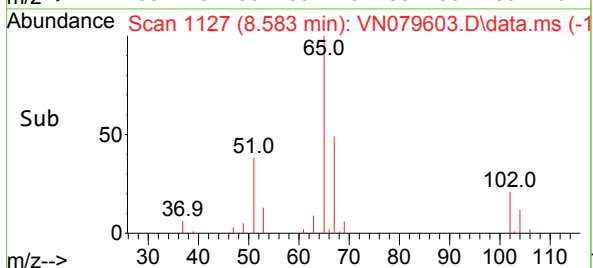
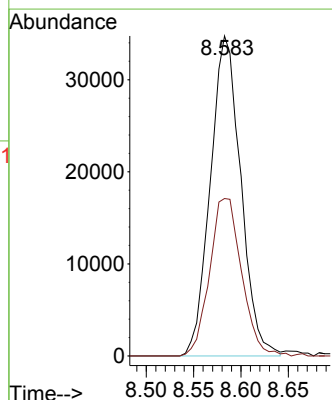
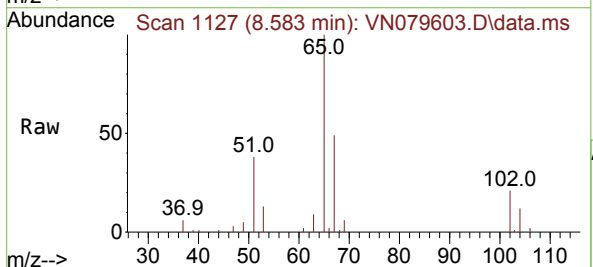
Acq: 18 Oct 2023 16:13

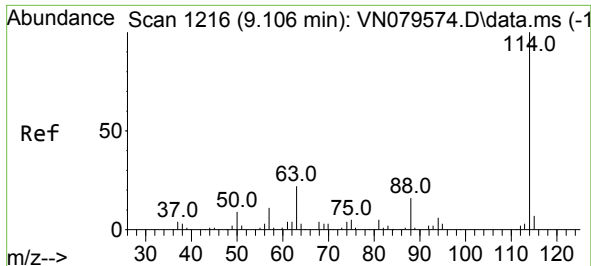
Tgt Ion: 65 Resp: 77733

Ion Ratio Lower Upper

65 100

67 51.7 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: VN079603.D

Acq: 18 Oct 2023 16:13

Instrument :

MSVOA_N

ClientSampleId :

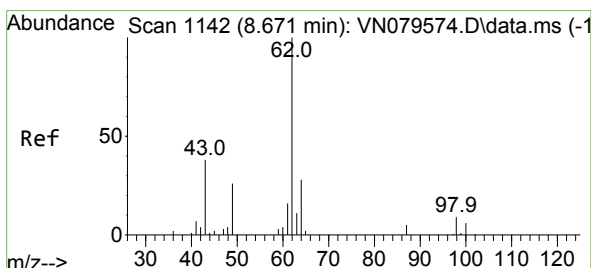
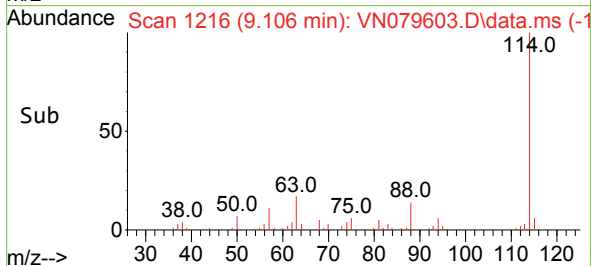
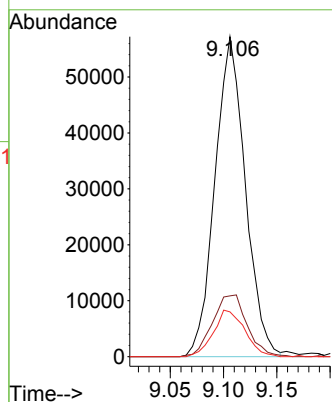
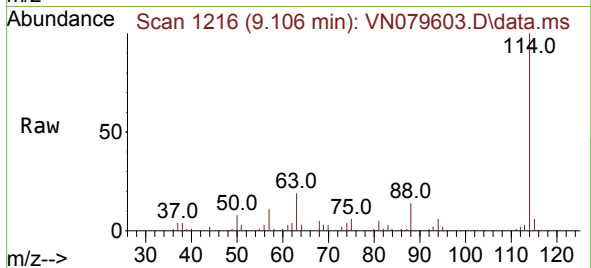
Tgt Ion:114 Resp: 113436

Ion Ratio Lower Upper

114 100

63 22.0 18.1 27.1

88 15.0 12.2 18.2



#36

1,2-Dichloroethane

Concen: 1.250 ug/l

RT: 9.112 min Scan# 1217

Delta R.T. 0.441 min

Lab File: VN079603.D

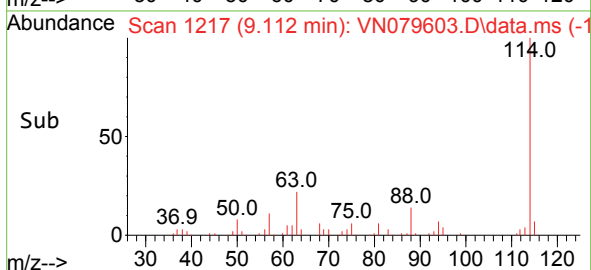
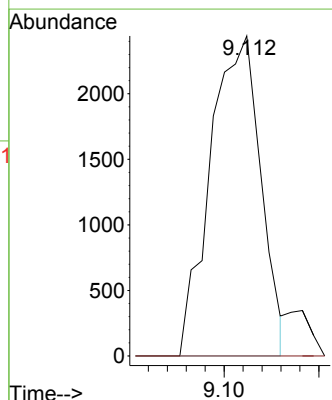
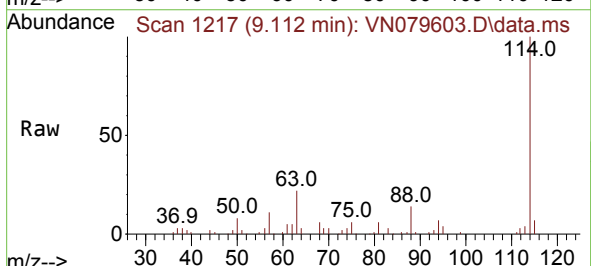
Acq: 18 Oct 2023 16:13

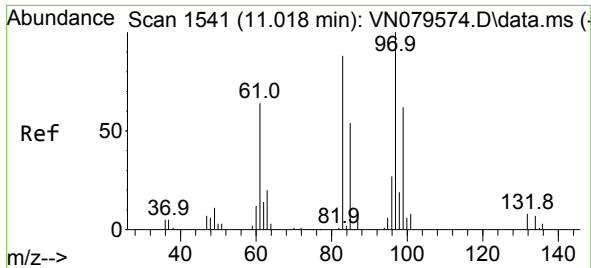
Tgt Ion: 62 Resp: 4497

Ion Ratio Lower Upper

62 100

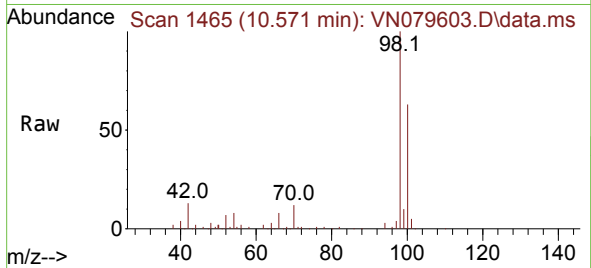
98 0.0 7.2 10.8#



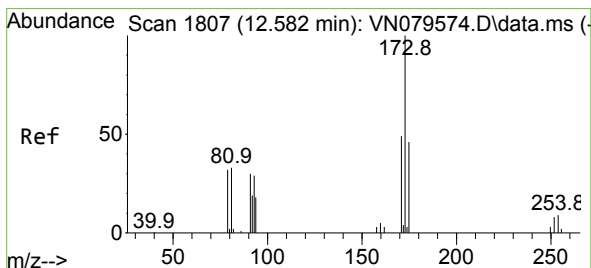
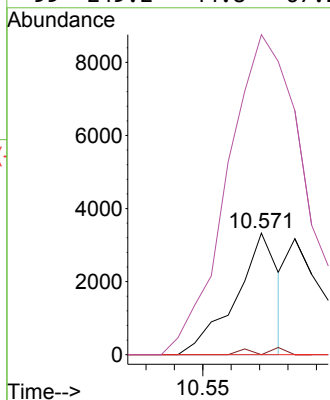
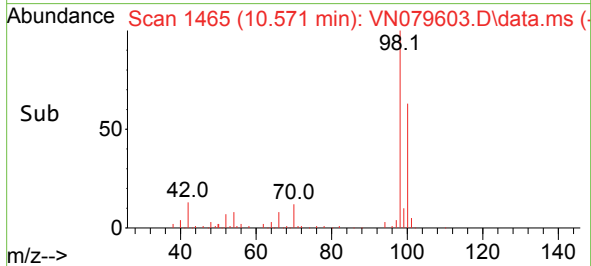


#50
1,1,2-Trichloroethane
Concen: 1.442 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.447 min
Lab File: VN079603.D
Acq: 18 Oct 2023 16:13

Instrument :
MSVOA_N
ClientSampleId :

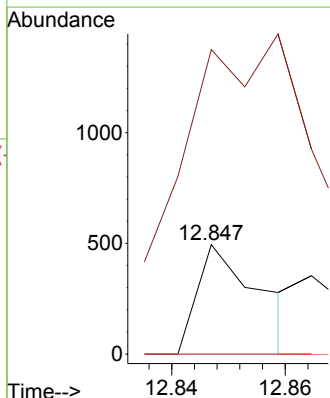
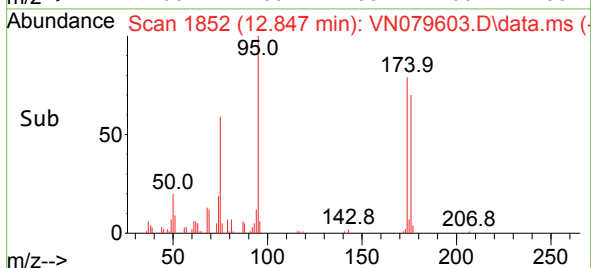
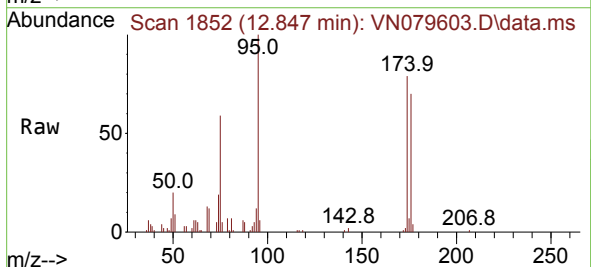


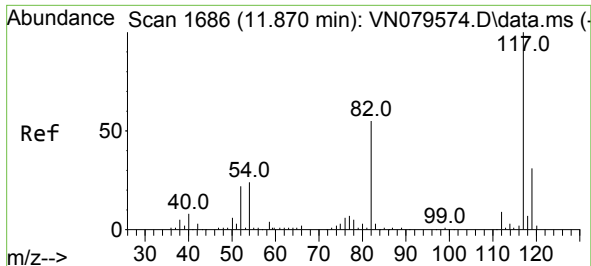
Tgt Ion:	97	Resp:	3490
Ion	Ratio	Lower	Upper
97	100		
83	0.0	68.2	102.4#
85	0.0	42.9	64.3#
99	249.2	44.8	67.2#



#56
Bromoform
Concen: 0.232 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.265 min
Lab File: VN079603.D
Acq: 18 Oct 2023 16:13

Tgt Ion:	173	Resp:	379
Ion	Ratio	Lower	Upper
173	100		
175	0.0	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: VN079603.D

Acq: 18 Oct 2023 16:13

Instrument :

MSVOA_N

ClientSampleId :

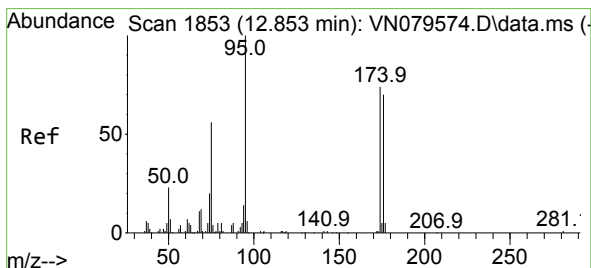
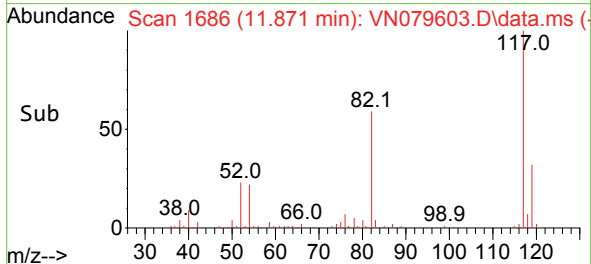
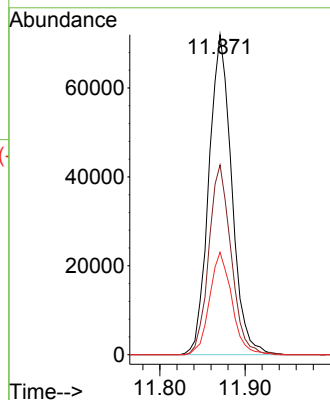
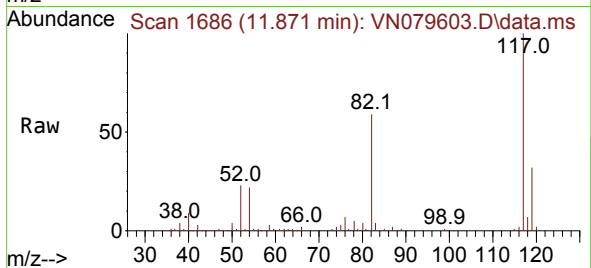
Tgt Ion:117 Resp: 134323

Ion Ratio Lower Upper

117 100

82 57.7 46.2 69.2

119 31.1 25.2 37.8



#60

4-Bromofluorobenzene

Concen: 19.254 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.000 min

Lab File: VN079603.D

Acq: 18 Oct 2023 16:13

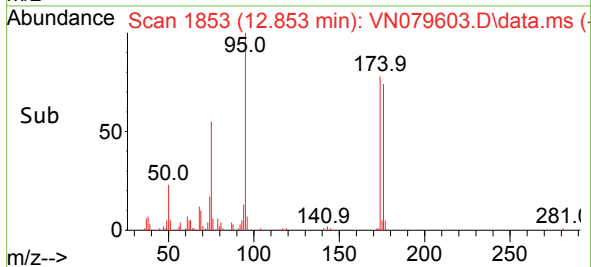
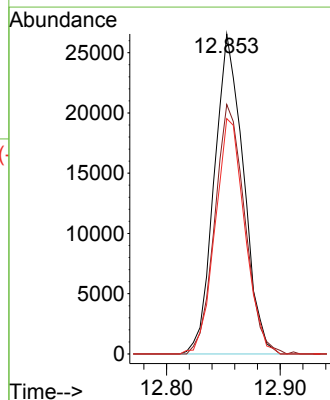
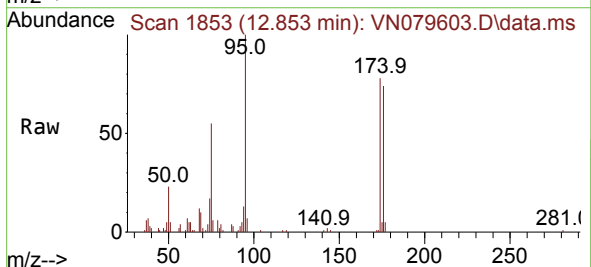
Tgt Ion: 95 Resp: 47295

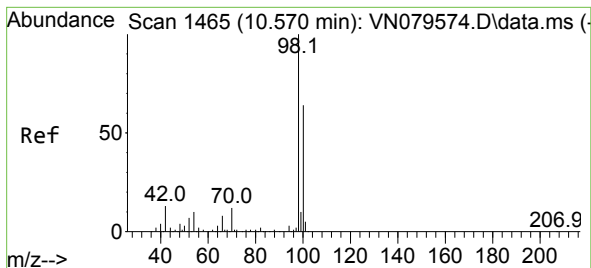
Ion Ratio Lower Upper

95 100

174 80.1 60.5 90.7

176 75.0 57.2 85.8





#63

Toluene-d8

Concen: 29.005 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.000 min

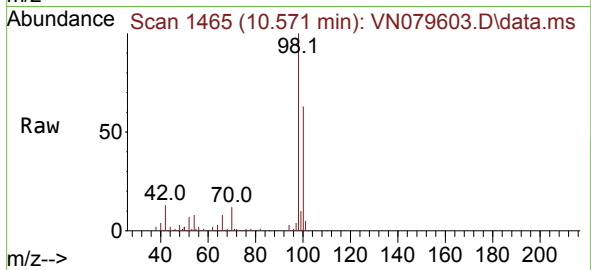
Lab File: VN079603.D

Acq: 18 Oct 2023 16:13

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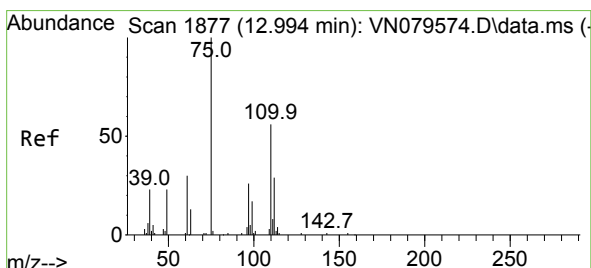
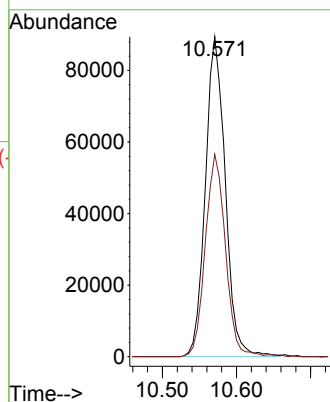
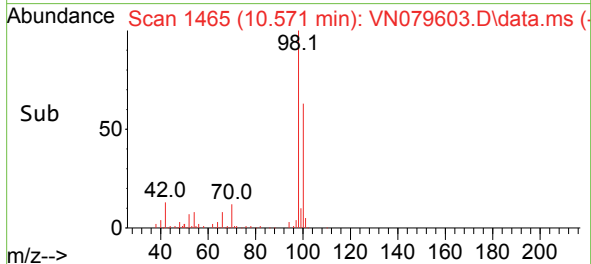


Tgt Ion: 98 Resp: 166946

Ion Ratio Lower Upper

98 100

100 63.9 51.6 77.4



#72

1,2,3-Trichloropropane

Concen: 8.504 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN079603.D

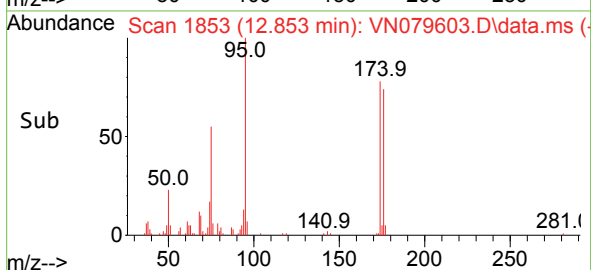
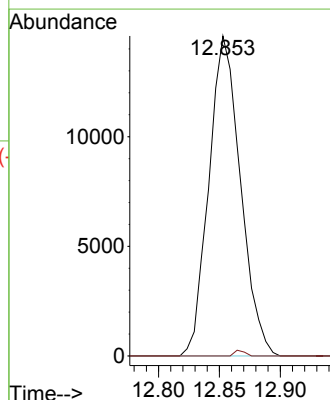
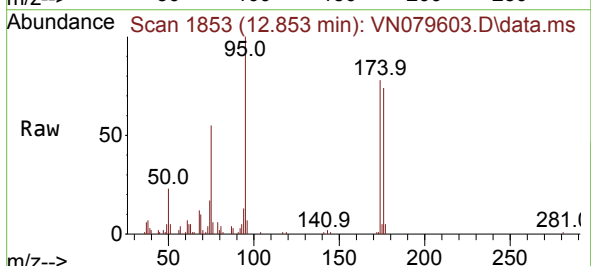
Acq: 18 Oct 2023 16:13

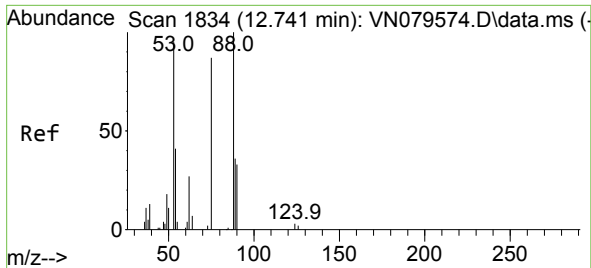
Tgt Ion: 75 Resp: 26354

Ion Ratio Lower Upper

75 100

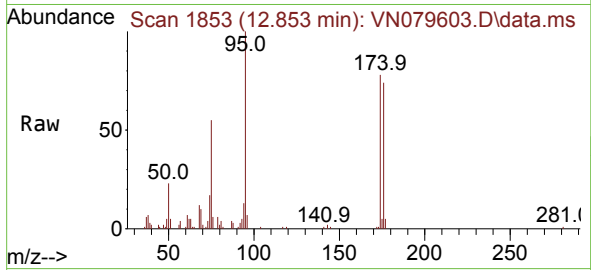
77 0.6 0.0 338.2





#77
t-1,4-Dichloro-2-butene
Concen: 27.862 ug/l
RT: 12.853 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN079603.D
Acq: 18 Oct 2023 16:13

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 75 Resp: 26354
Ion Ratio Lower Upper
75 100
53 0.0 53.0 159.1#
89 0.0 22.6 67.7#

