

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102523\
 Data File : VN079679.D
 Acq On : 25 Oct 2023 14:02
 Operator : JC\MD
 Sample : 05033-04 10X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 26 01:36:21 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)

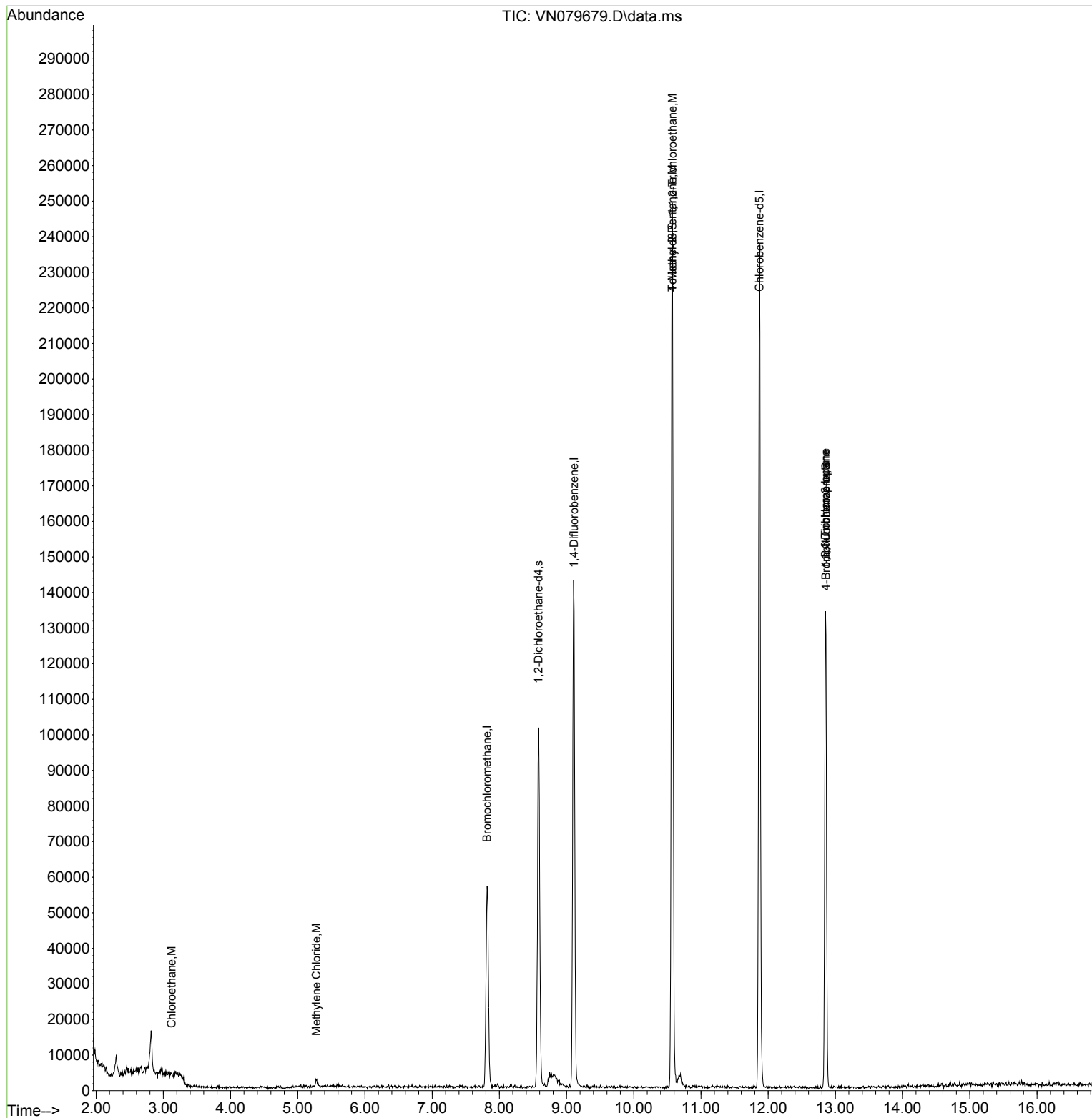
Internal Standards						
1) Bromochloromethane	7.818	128	19428	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.112	114	119173	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.870	117	136075	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.582	65	84564	30.614	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	102.033%
60) 4-Bromofluorobenzene	12.859	95	46837	18.822	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	62.733%#
63) Toluene-d8	10.571	98	174786	29.976	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	99.933%
Target Compounds						
					Qvalue	
6) Chloroethane	3.124	64	566	0.204	ug/l #	46
18) Methylene Chloride	5.277	84	1035	0.321	ug/l #	40
50) 1,1,2-Trichloroethane	10.576	97	5973	2.350	ug/l #	1
58) 4-Methyl-2-Pentanone	10.571	43	819	0.258	ug/l #	1
72) 1,2,3-Trichloropropane	12.853	75	27556	8.777	ug/l	1
77) t-1,4-Dichloro-2-butene	12.853	75	27556	28.758	ug/l #	7

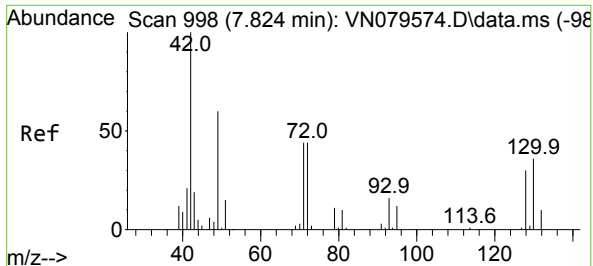
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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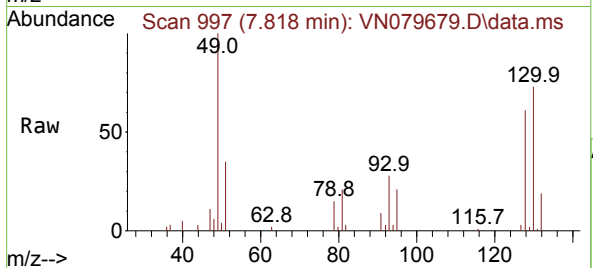
Quant Time: Oct 26 01:36:21 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N101723W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Oct 18 02:19:15 2023
Response via : Initial Calibration



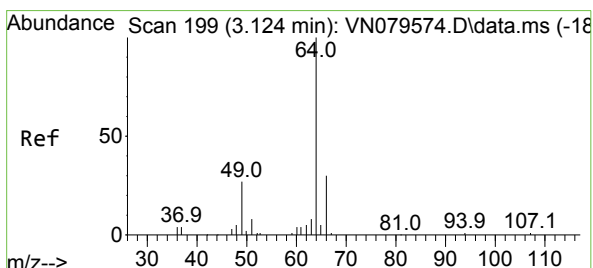
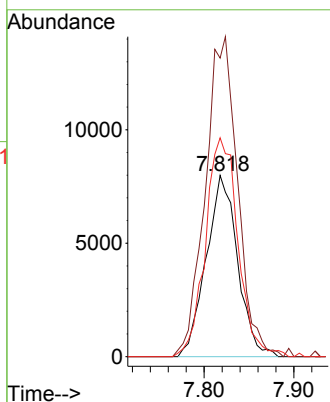
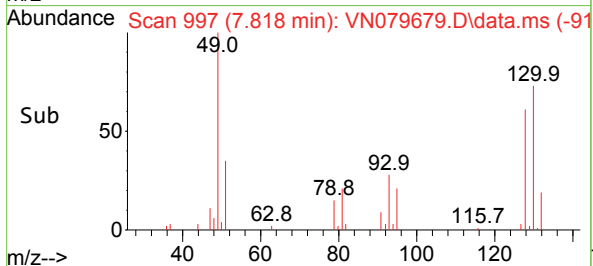


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.818 min Scan# 997
Delta R.T. -0.006 min
Lab File: VN079679.D
Acq: 25 Oct 2023 14:02

Instrument :
MSVOA_N
ClientSampleId :

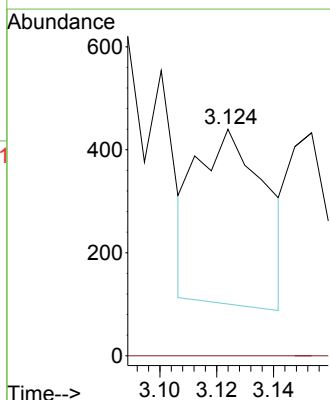
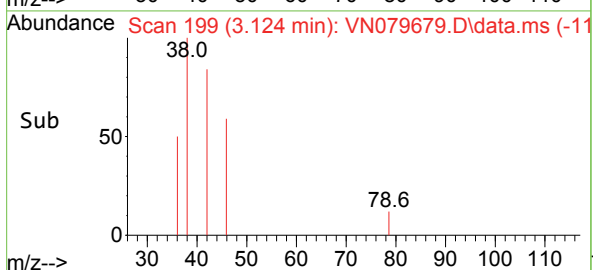
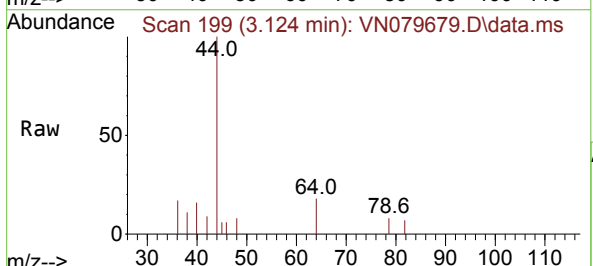


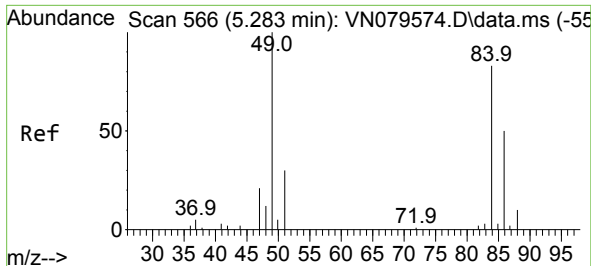
Tgt Ion:128 Resp: 19428
Ion Ratio Lower Upper
128 100
49 180.9 0.0 468.5
130 124.2 0.0 320.7



#6
Chloroethane
Concen: 0.204 ug/l
RT: 3.124 min Scan# 199
Delta R.T. 0.000 min
Lab File: VN079679.D
Acq: 25 Oct 2023 14:02

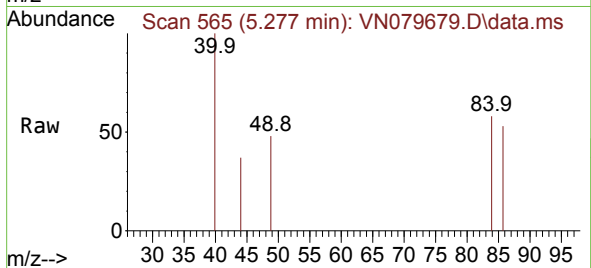
Tgt Ion: 64 Resp: 566
Ion Ratio Lower Upper
64 100
66 0.0 23.3 34.9#



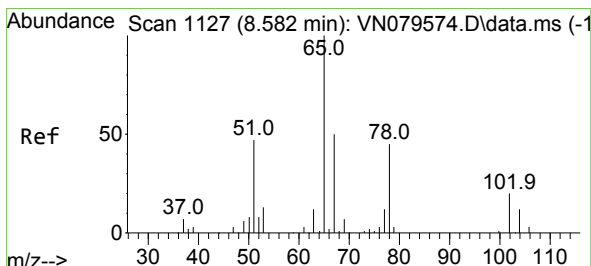
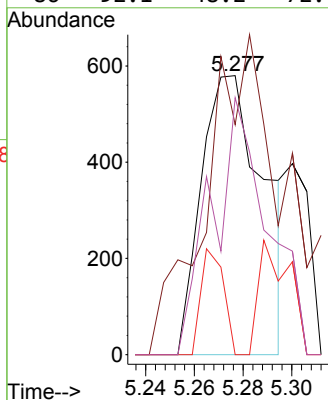
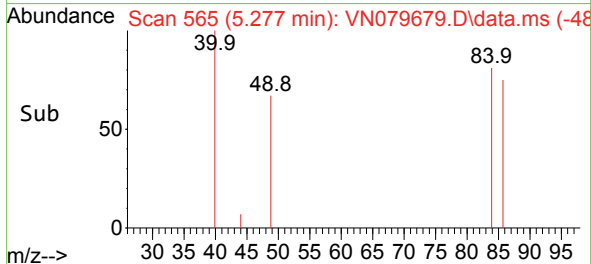


#18
Methylene Chloride
Concen: 0.321 ug/l
RT: 5.277 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN079679.D
Acq: 25 Oct 2023 14:02

Instrument :
MSVOA_N
ClientSampleId :

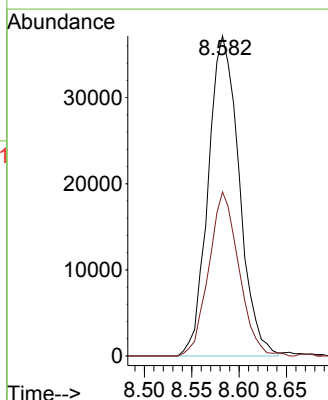
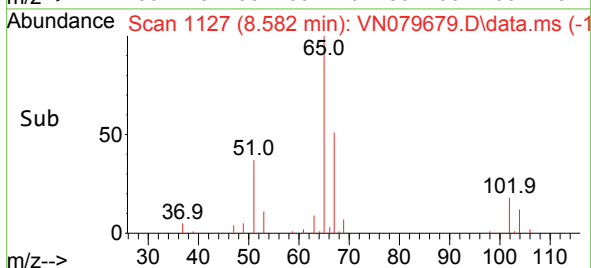
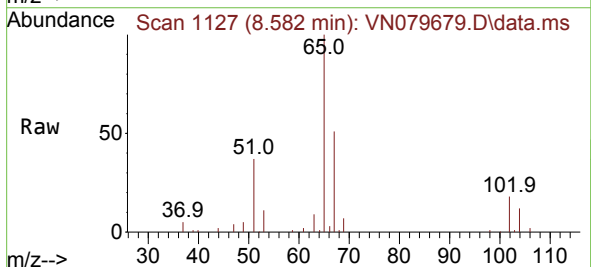


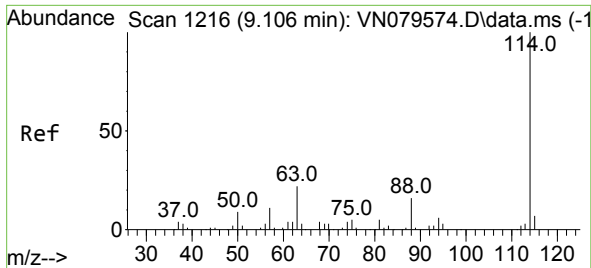
Tgt Ion: 84 Resp: 1035
Ion Ratio Lower Upper
84 100
49 48.4 100.9 151.3#
51 0.0 29.4 44.2#
86 92.1 48.2 72.4#



#27
1,2-Dichloroethane-d4
Concen: 30.614 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VN079679.D
Acq: 25 Oct 2023 14:02

Tgt Ion: 65 Resp: 84564
Ion Ratio Lower Upper
65 100
67 49.6 42.1 63.1





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.112 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN079679.D

Acq: 25 Oct 2023 14:02

Instrument :

MSVOA_N

ClientSampleId :

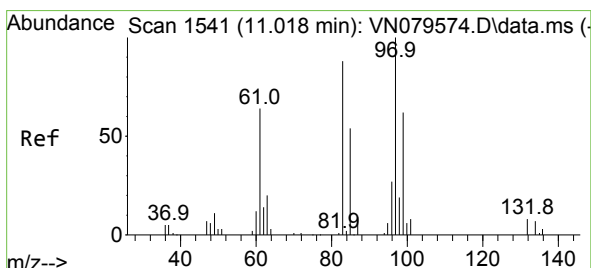
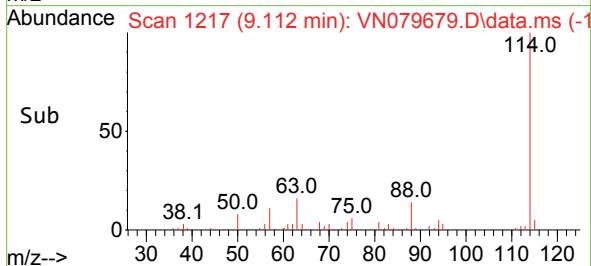
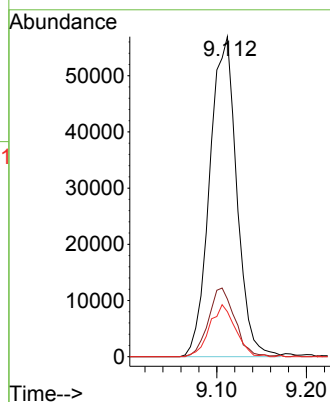
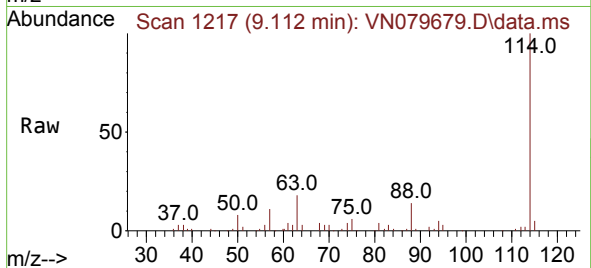
Tgt Ion:114 Resp: 119173

Ion Ratio Lower Upper

114 100

63 20.9 18.1 27.1

88 15.4 12.2 18.2



#50

1,1,2-Trichloroethane

Concen: 2.350 ug/l

RT: 10.576 min Scan# 1466

Delta R.T. -0.441 min

Lab File: VN079679.D

Acq: 25 Oct 2023 14:02

Tgt Ion: 97 Resp: 5973

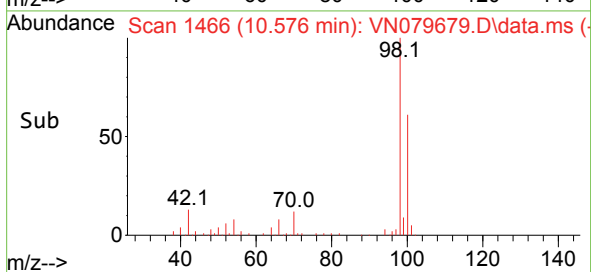
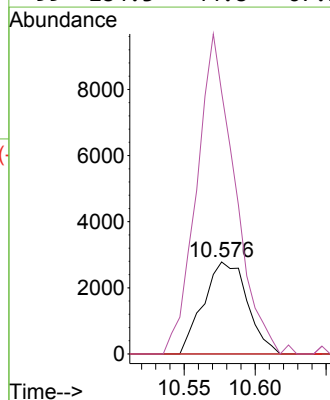
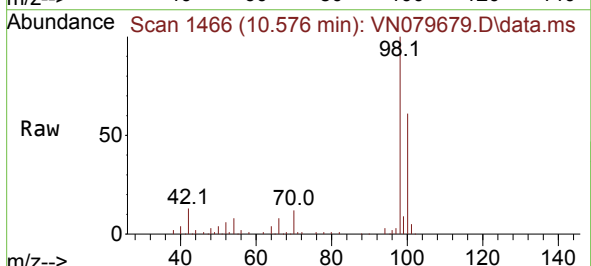
Ion Ratio Lower Upper

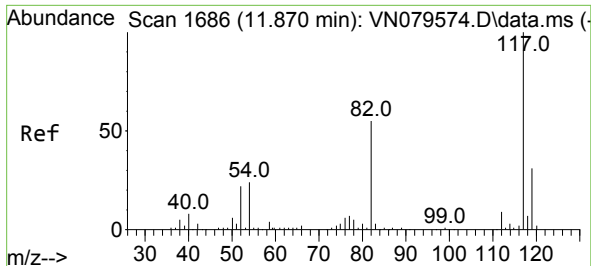
97 100

83 0.0 68.2 102.4#

85 0.0 42.9 64.3#

99 284.3 44.8 67.2#





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.870 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN079679.D

Acq: 25 Oct 2023 14:02

Instrument :

MSVOA_N

ClientSampleId :

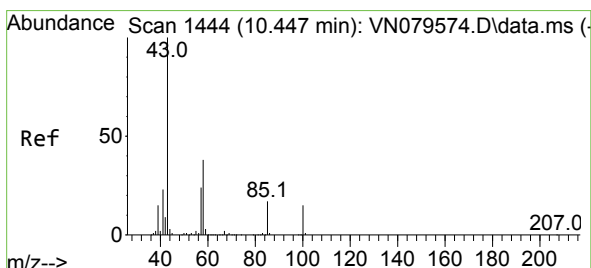
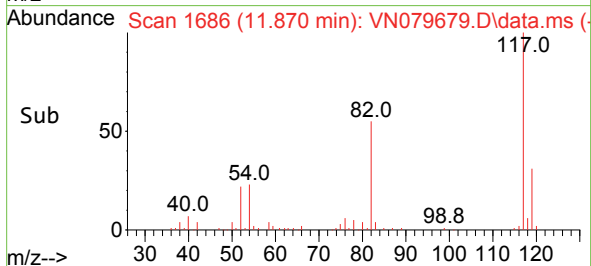
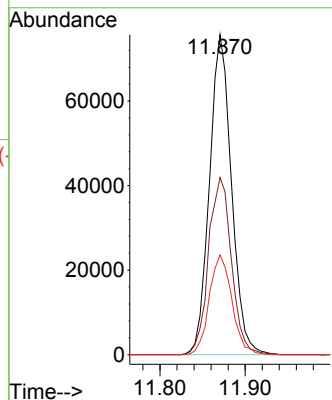
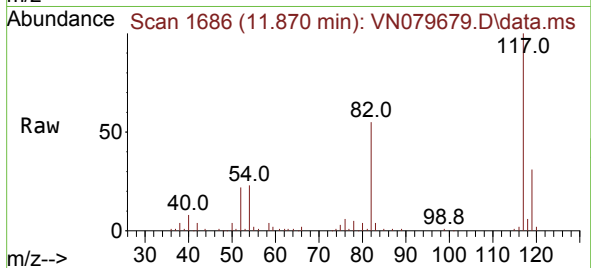
Tgt Ion:117 Resp: 136075

Ion Ratio Lower Upper

117 100

82 57.7 46.2 69.2

119 32.1 25.2 37.8



#58

4-Methyl-2-Pentanone

Concen: 0.258 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.124 min

Lab File: VN079679.D

Acq: 25 Oct 2023 14:02

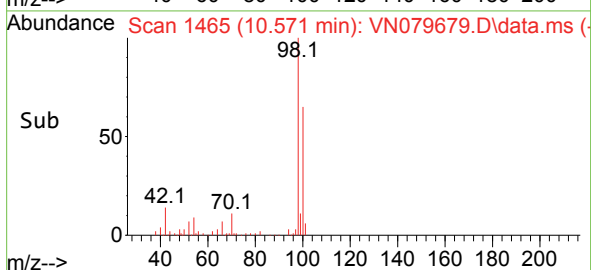
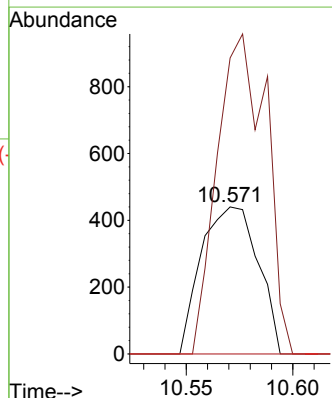
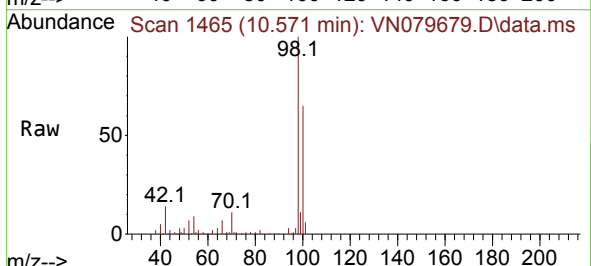
Tgt Ion: 43 Resp: 819

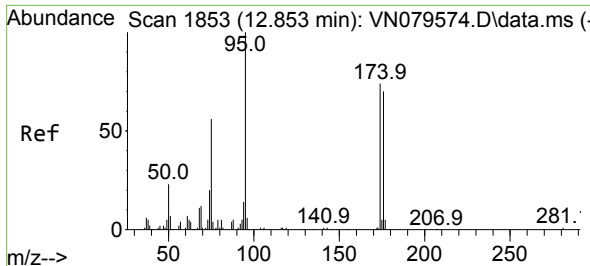
Ion Ratio Lower Upper

43 100

58 187.5 30.4 45.6#

85 0.0 13.2 19.8#

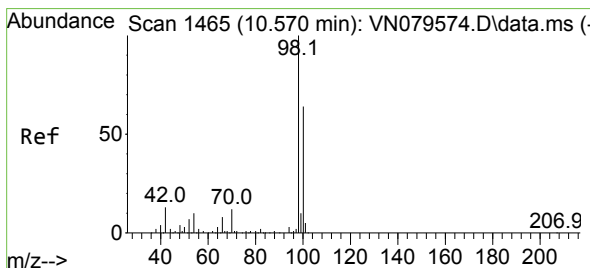
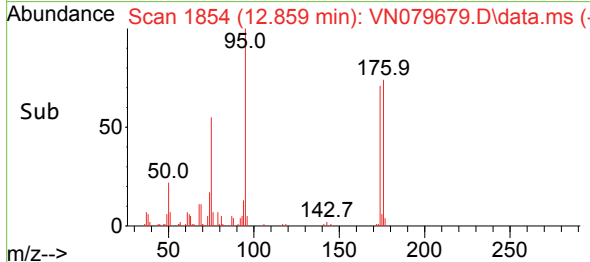
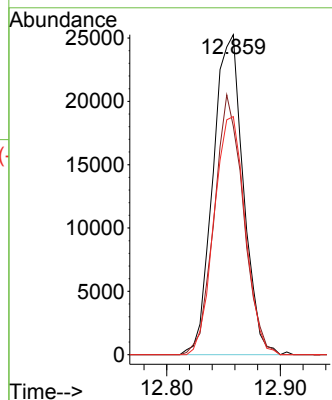
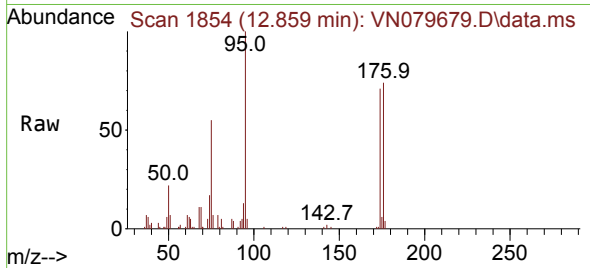




#60
4-Bromofluorobenzene
Concen: 18.822 ug/l
RT: 12.859 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN079679.D
Acq: 25 Oct 2023 14:02

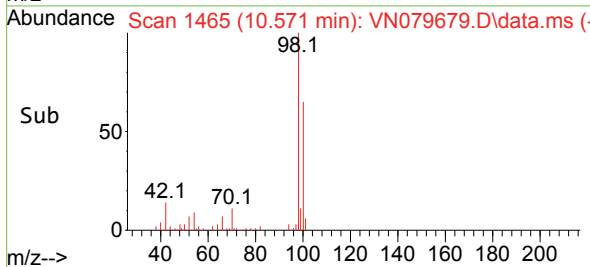
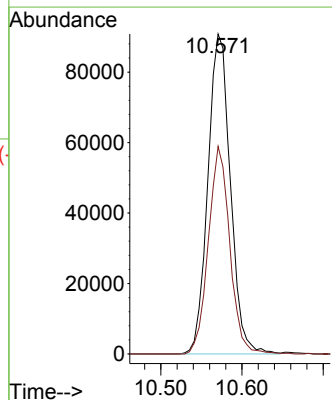
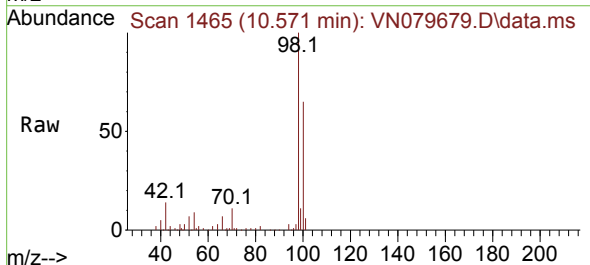
Instrument :
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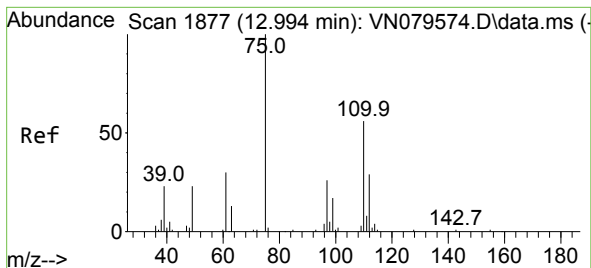
Tgt Ion: 95 Resp: 46837
Ion Ratio Lower Upper
95 100
174 78.5 60.5 90.7
176 76.5 57.2 85.8



#63
Toluene-d8
Concen: 29.976 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN079679.D
Acq: 25 Oct 2023 14:02

Tgt Ion: 98 Resp: 174786
Ion Ratio Lower Upper
98 100
100 61.7 51.6 77.4





#72

1,2,3-Trichloropropane

Concen: 8.777 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN079679.D

Acq: 25 Oct 2023 14:02

Instrument :

MSVOA_N

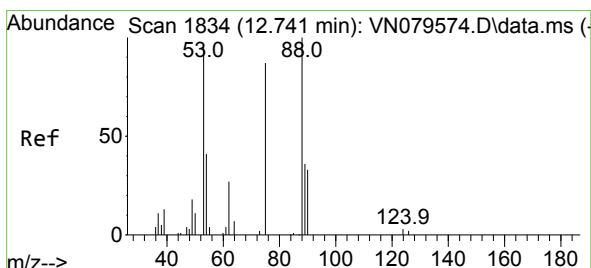
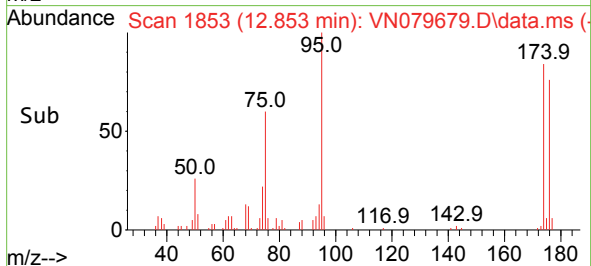
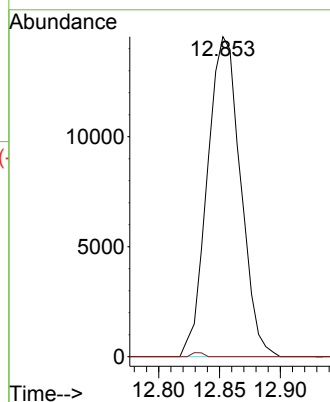
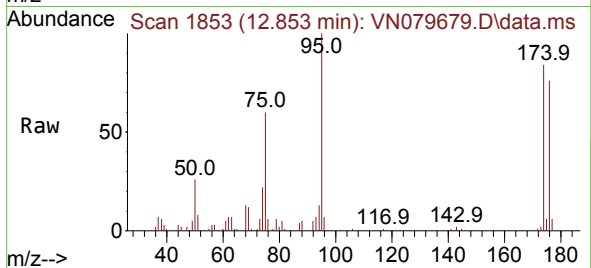
ClientSampleId :

Tgt Ion: 75 Resp: 27556

Ion Ratio Lower Upper

75 100

77 0.5 0.0 338.2



#77

t-1,4-Dichloro-2-butene

Concen: 28.758 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.112 min

Lab File: VN079679.D

Acq: 25 Oct 2023 14:02

Tgt Ion: 75 Resp: 27556

Ion Ratio Lower Upper

75 100

53 0.0 53.0 159.1#

89 0.0 22.6 67.7#

