

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090723\
 Data File : VN079183.D
 Acq On : 07 Sep 2023 18:54
 Operator : JC\MD
 Sample : 04303-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 08 05:45:15 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)

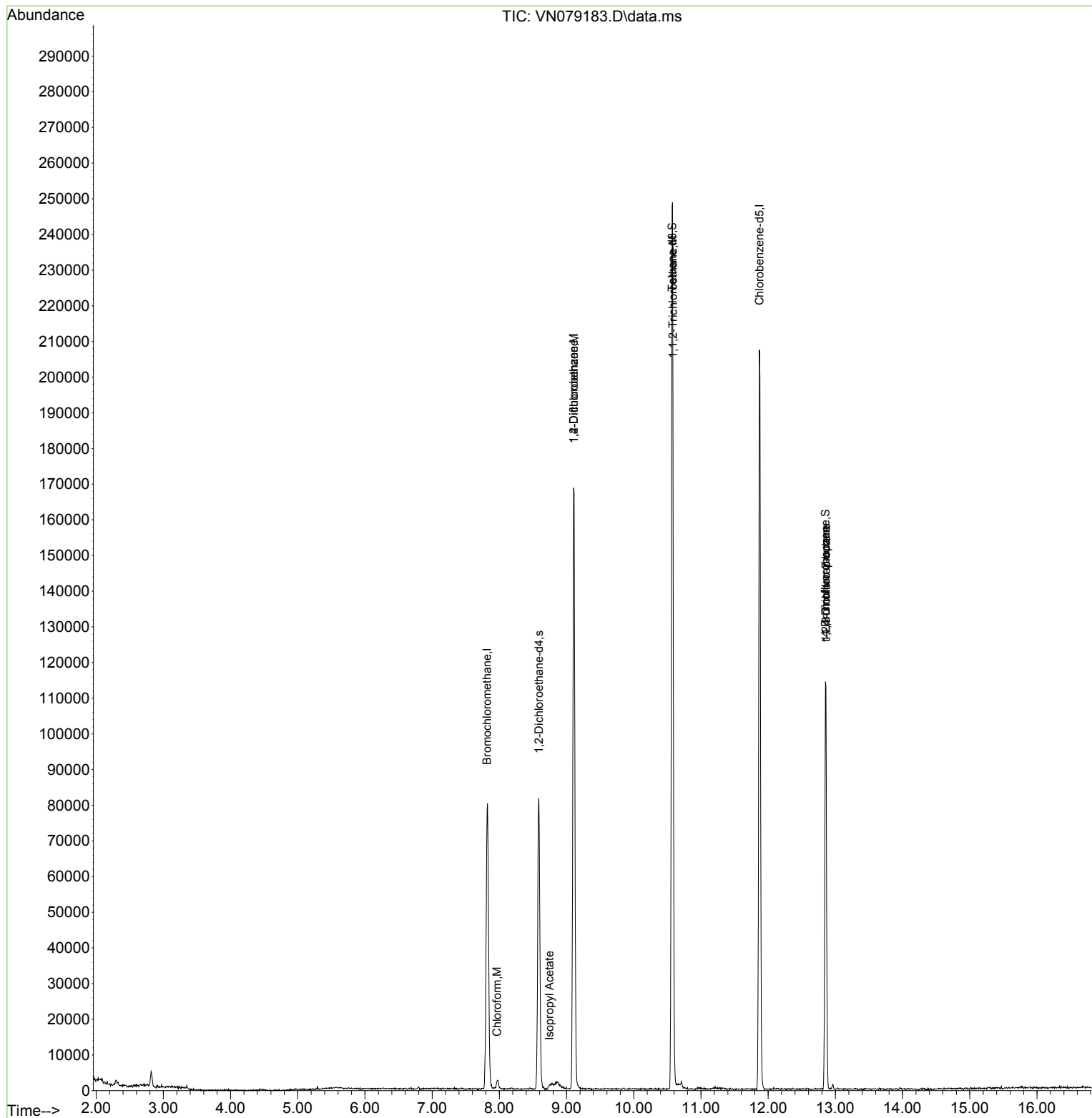
Internal Standards						
1) Bromochloromethane	7.818	128	30336	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	151570	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.871	117	129429	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.588	65	67551	29.638	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	98.800%		
60) 4-Bromofluorobenzene	12.853	95	43682	22.905	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	76.367%		
63) Toluene-d8	10.571	98	182777	30.218	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	100.733%		
Target Compounds						
					Qvalue	
25) Chloroform	7.965	83	1525	0.422	ug/l #	73
36) 1,2-Dichloroethane	9.106	62	5092	2.000	ug/l #	73
44) Isopropyl Acetate	8.747	43	1094	0.262	ug/l #	1
50) 1,1,2-Trichloroethane	10.582	97	5950	3.229	ug/l #	1
72) 1,2,3-Trichloropropane	12.859	75	22149	10.054	ug/l	1
77) t-1,4-Dichloro-2-butene	12.859	75	22149	28.558	ug/l #	14

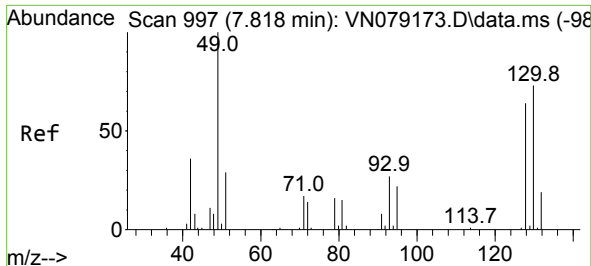
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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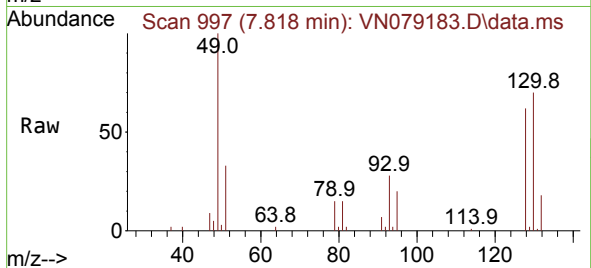
Quant Time: Sep 08 05:45:15 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090723W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Sep 08 05:09:17 2023
Response via : Initial Calibration



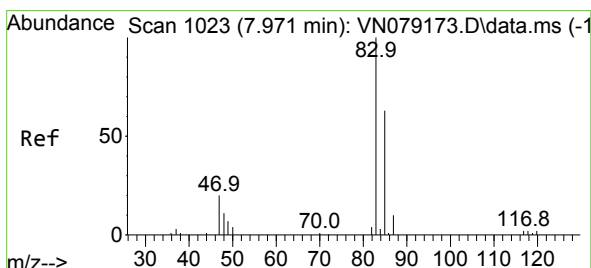
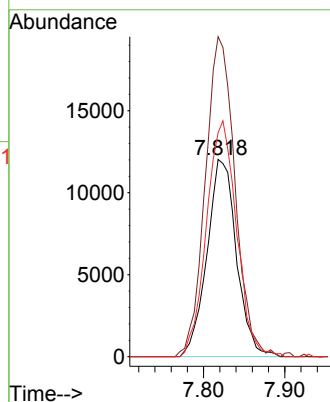
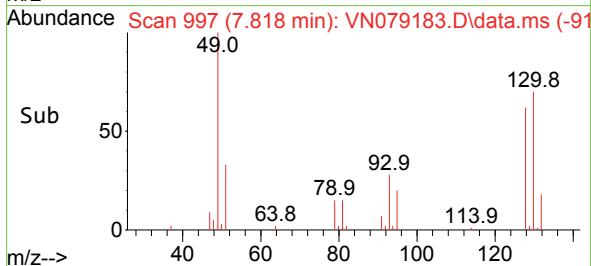


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.818 min Scan# 997
Delta R.T. -0.000 min
Lab File: VN079183.D
Acq: 07 Sep 2023 18:54

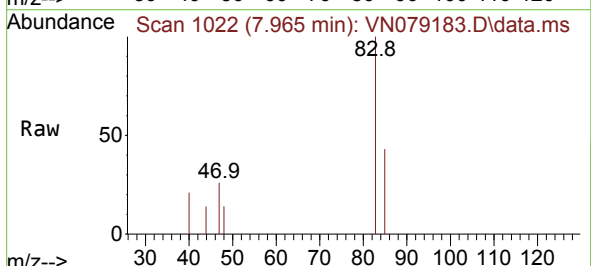
Instrument :
MSVOA_N
ClientSampleId :



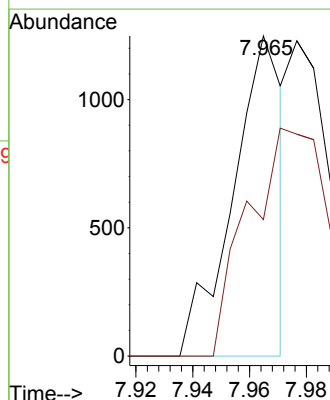
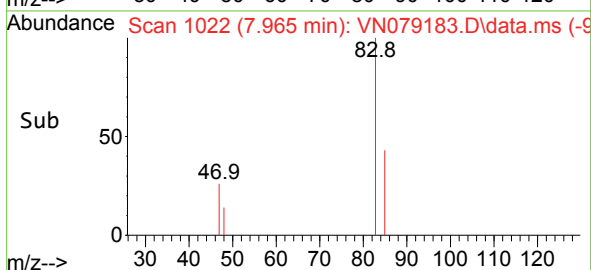
Tgt Ion:128 Resp: 30336
Ion Ratio Lower Upper
128 100
49 162.7 0.0 414.3
130 122.6 0.0 311.0

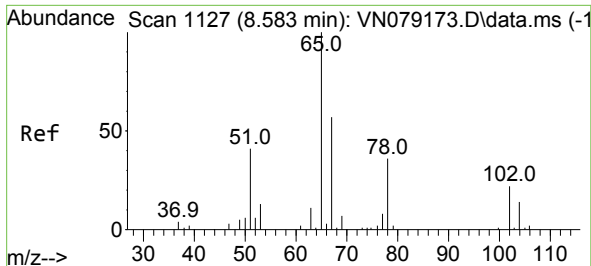


#25
Chloroform
Concen: 0.422 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. -0.006 min
Lab File: VN079183.D
Acq: 07 Sep 2023 18:54



Tgt Ion: 83 Resp: 1525
Ion Ratio Lower Upper
83 100
85 42.6 50.6 76.0#





#27

1,2-Dichloroethane-d4

Concen: 29.638 ug/l

RT: 8.588 min Scan# 1127

Delta R.T. 0.005 min

Lab File: VN079183.D

Acq: 07 Sep 2023 18:54

Instrument :

MSVOA_N

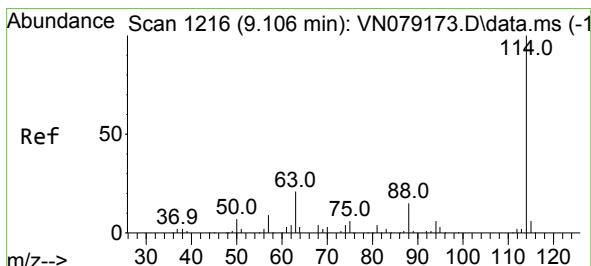
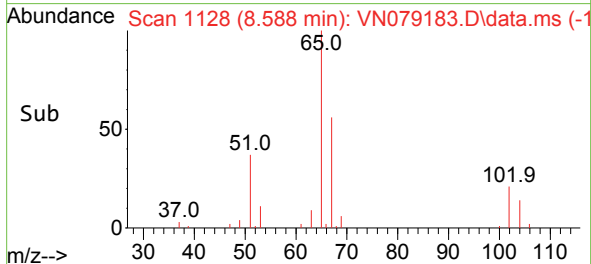
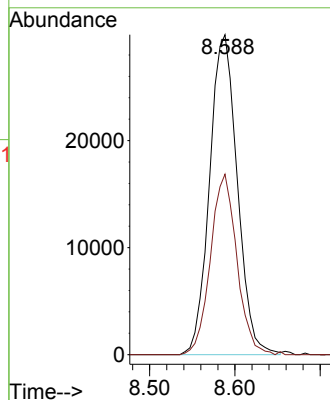
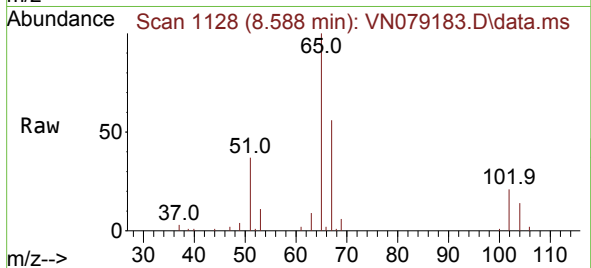
ClientSampleId :

Tgt Ion: 65 Resp: 67551

Ion Ratio Lower Upper

65 100

67 53.6 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: VN079183.D

Acq: 07 Sep 2023 18:54

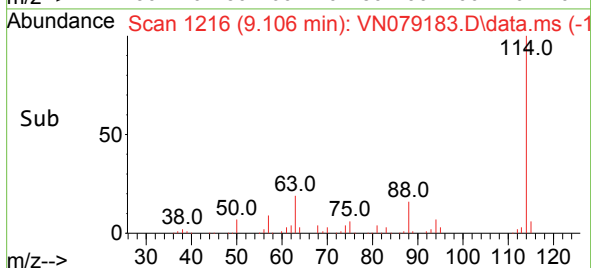
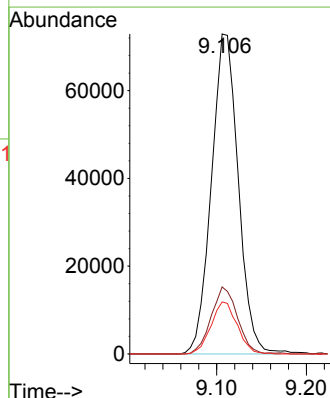
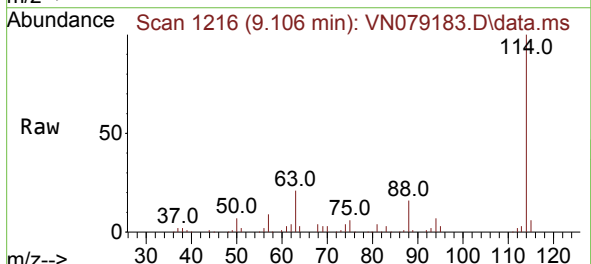
Tgt Ion: 114 Resp: 151570

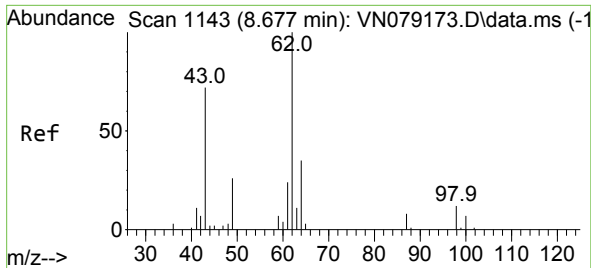
Ion Ratio Lower Upper

114 100

63 20.4 17.0 25.4

88 15.9 12.8 19.2

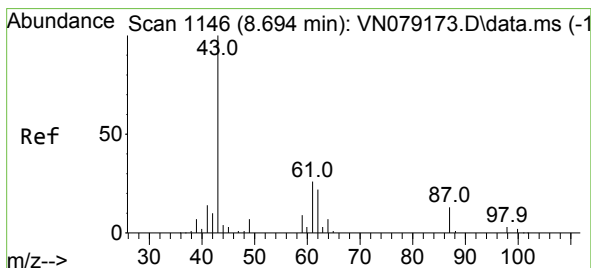
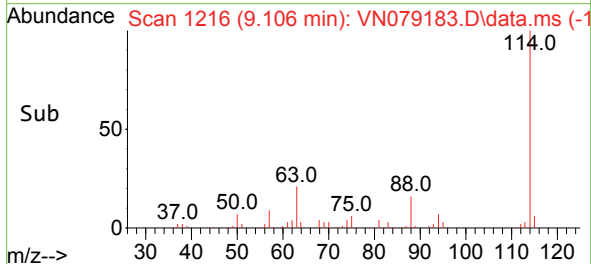
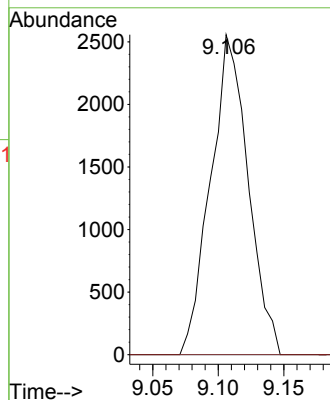
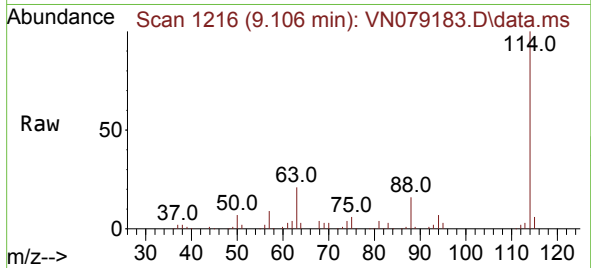




#36
1,2-Dichloroethane
Concen: 2.000 ug/l
RT: 9.106 min Scan# 1155
Delta R.T. 0.429 min
Lab File: VN079183.D
Acq: 07 Sep 2023 18:54

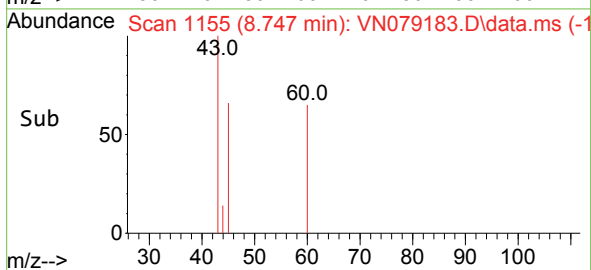
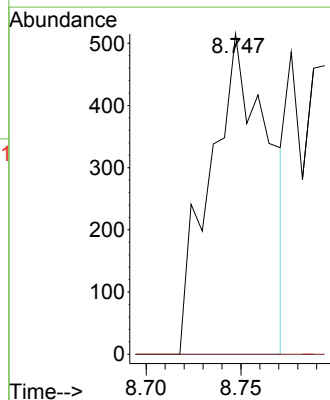
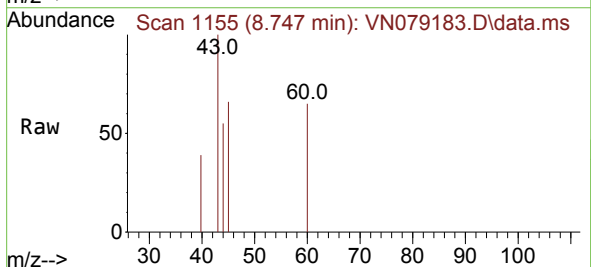
Instrument :
MSVOA_N
ClientSampleId :

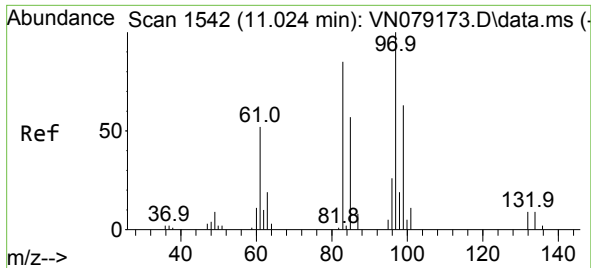
Tgt Ion: 62 Resp: 5092
Ion Ratio Lower Upper
62 100
98 0.0 8.2 12.2#



#44
Isopropyl Acetate
Concen: 0.262 ug/l
RT: 8.747 min Scan# 1155
Delta R.T. 0.053 min
Lab File: VN079183.D
Acq: 07 Sep 2023 18:54

Tgt Ion: 43 Resp: 1094
Ion Ratio Lower Upper
43 100
61 99.1 22.6 33.8#

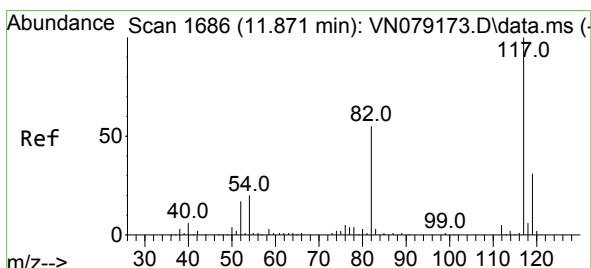
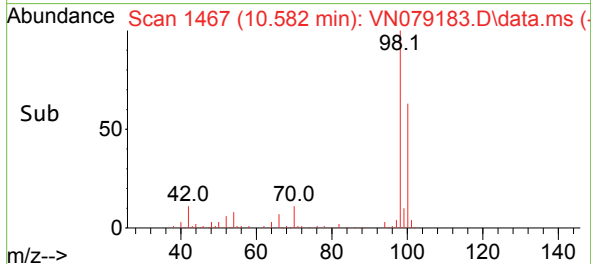
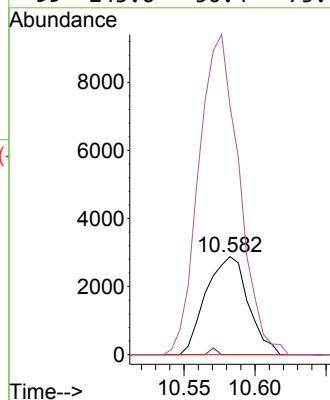
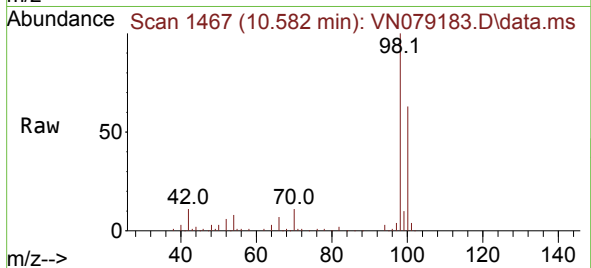




#50
1,1,2-Trichloroethane
Concen: 3.229 ug/l
RT: 10.582 min Scan# 1467
Delta R.T. -0.442 min
Lab File: VN079183.D
Acq: 07 Sep 2023 18:54

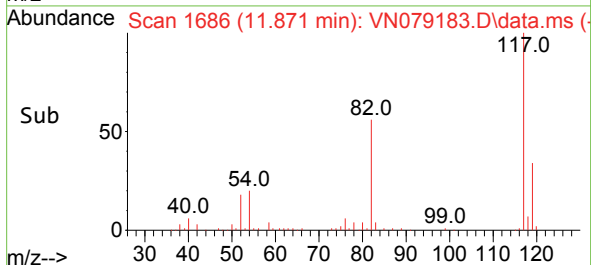
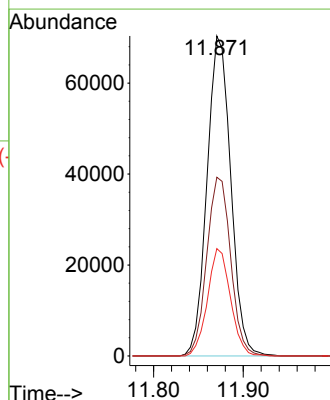
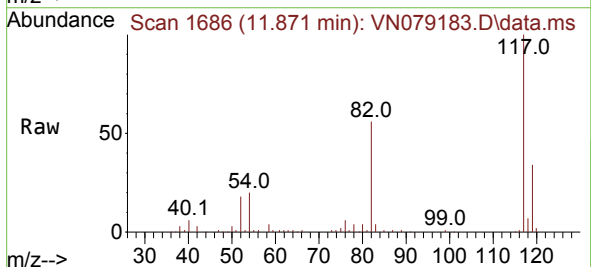
Instrument :
MSVOA_N
ClientSampleId :

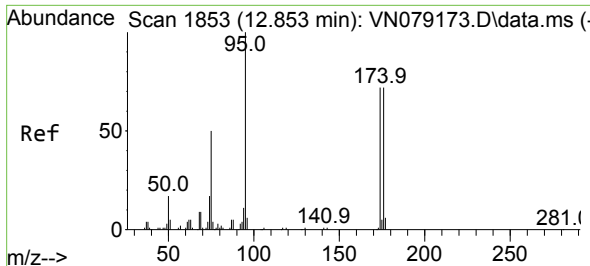
Tgt Ion: 97 Resp: 5950
Ion Ratio Lower Upper
97 100
83 0.0 68.9 103.3#
85 0.0 45.3 67.9#
99 243.6 50.4 75.6#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VN079183.D
Acq: 07 Sep 2023 18:54

Tgt Ion: 117 Resp: 129429
Ion Ratio Lower Upper
117 100
82 56.3 44.7 67.1
119 32.4 24.9 37.3

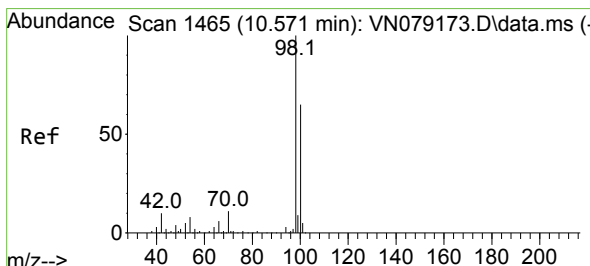
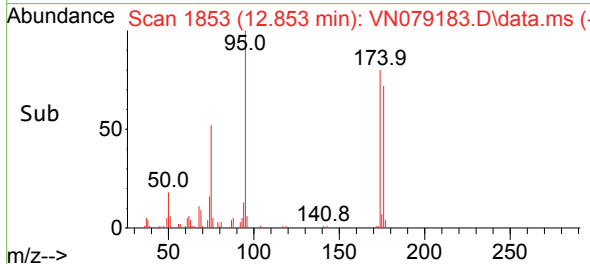
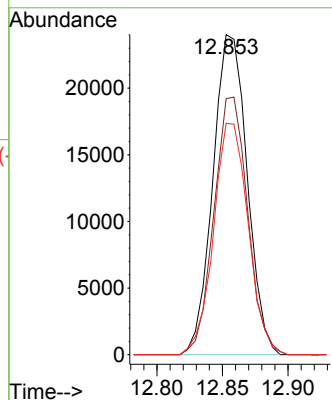
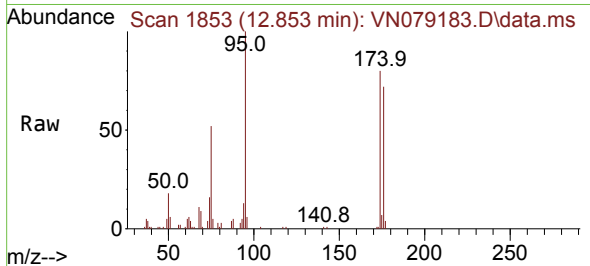




#60
4-Bromofluorobenzene
Concen: 22.905 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN079183.D
Acq: 07 Sep 2023 18:54

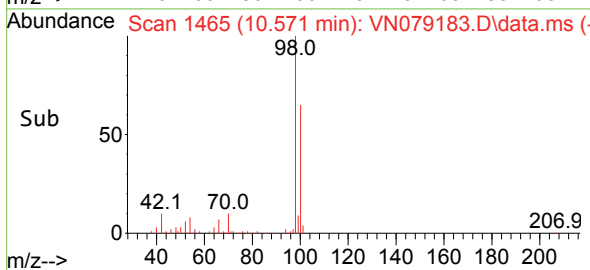
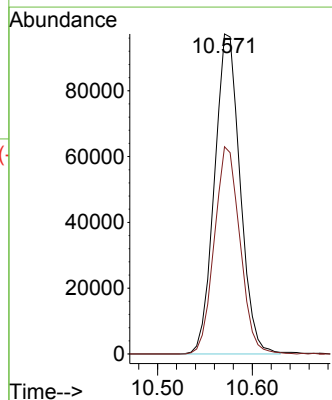
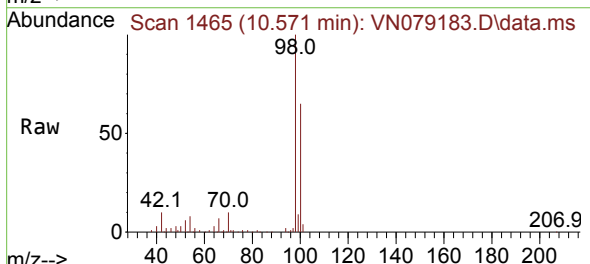
Instrument :
MSVOA_N
ClientSampleId :

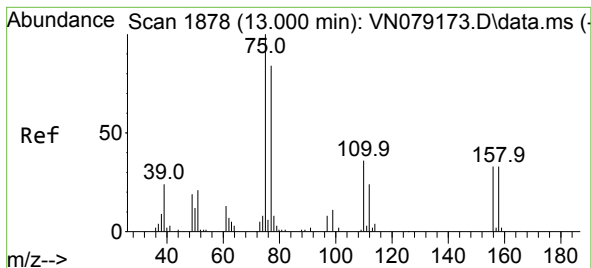
Tgt Ion: 95 Resp: 43682
Ion Ratio Lower Upper
95 100
174 79.2 59.5 89.3
176 72.9 59.1 88.7



#63
Toluene-d8
Concen: 30.218 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN079183.D
Acq: 07 Sep 2023 18:54

Tgt Ion: 98 Resp: 182777
Ion Ratio Lower Upper
98 100
100 64.8 52.5 78.7





#72

1,2,3-Trichloropropane

Concen: 10.054 ug/l

RT: 12.859 min Scan# 1854

Delta R.T. -0.141 min

Lab File: VN079183.D

Acq: 07 Sep 2023 18:54

Instrument :

MSVOA_N

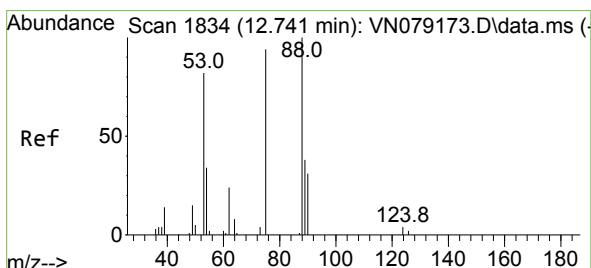
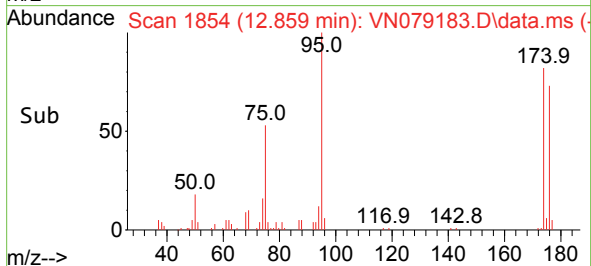
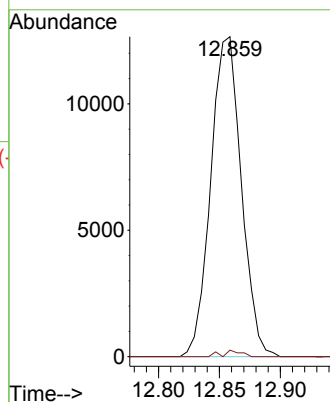
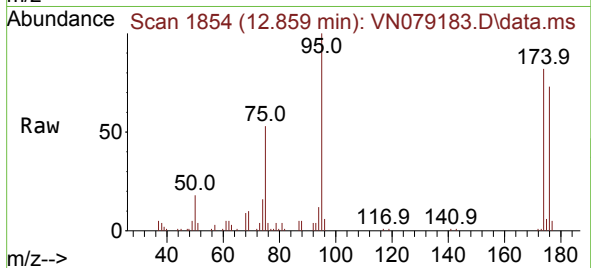
ClientSampleId :

Tgt Ion: 75 Resp: 22149

Ion Ratio Lower Upper

75 100

77 0.9 0.0 252.2



#77

t-1,4-Dichloro-2-butene

Concen: 28.558 ug/l

RT: 12.859 min Scan# 1854

Delta R.T. 0.118 min

Lab File: VN079183.D

Acq: 07 Sep 2023 18:54

Tgt Ion: 75 Resp: 22149

Ion Ratio Lower Upper

75 100

53 0.0 44.1 132.4#

89 0.0 22.4 67.3#

