

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102523\
 Data File : VN079682.D
 Acq On : 25 Oct 2023 15:26
 Operator : JC\MD
 Sample : 05033-04RE 10X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 26 01:37:13 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)

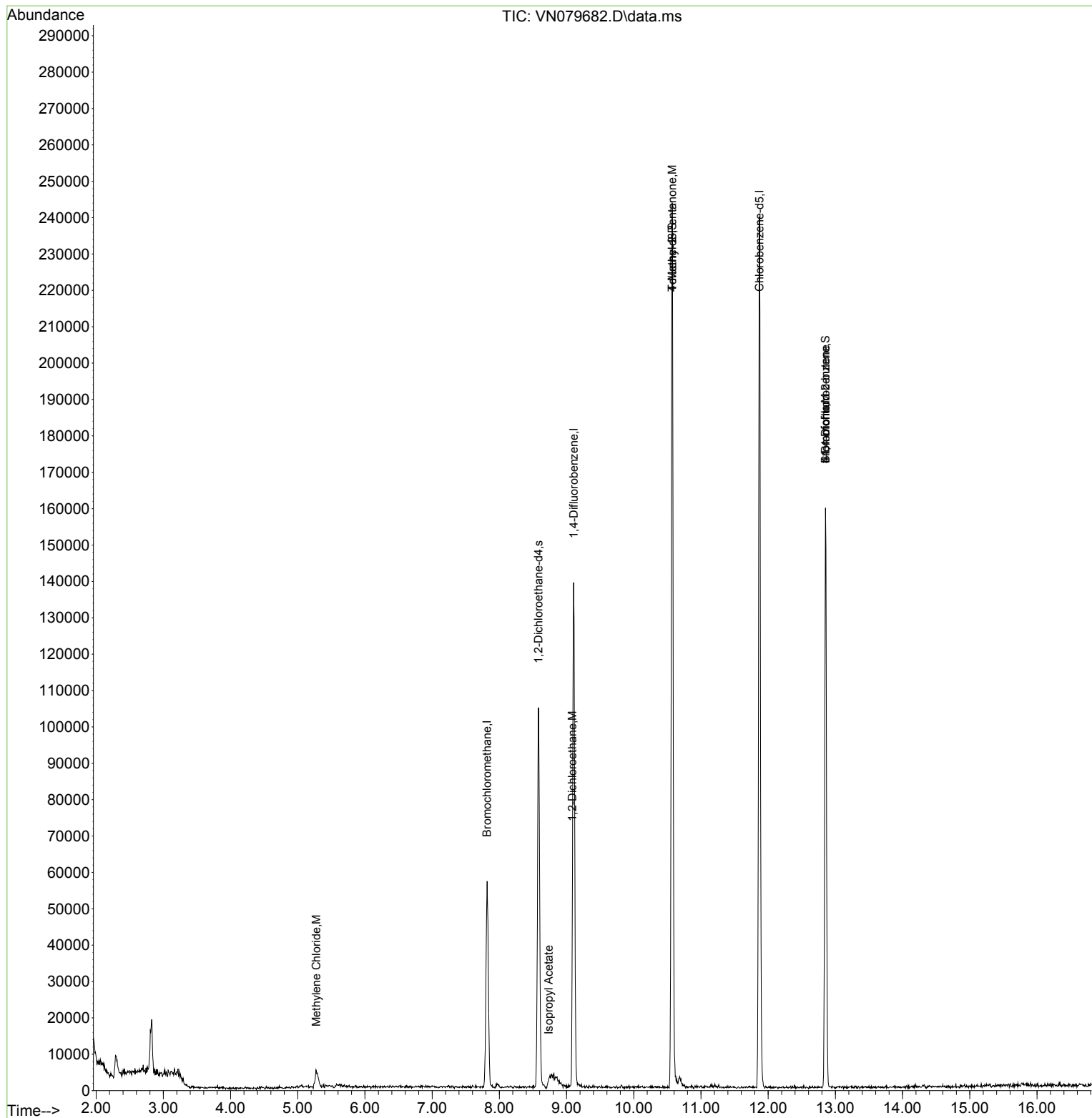
Internal Standards						
1) Bromochloromethane	7.818	128	18700	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	114837	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.871	117	137027	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.583	65	83975	31.585	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 105.267%			
60) 4-Bromofluorobenzene	12.853	95	54785	21.863	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 72.867%			
63) Toluene-d8	10.571	98	165284	28.149	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 93.833%			
Target Compounds						
					Qvalue	
18) Methylene Chloride	5.277	84	1987	0.641	ug/l #	88
36) 1,2-Dichloroethane	9.088	62	1092	0.300	ug/l #	75
44) Isopropyl Acetate	8.735	43	1642	0.292	ug/l #	1
56) Bromoform	12.853	173	1015	0.613	ug/l #	1
58) 4-Methyl-2-Pentanone	10.571	43	854	0.267	ug/l #	1
77) t-1,4-Dichloro-2-butene	12.853	75	31150	32.283	ug/l #	7

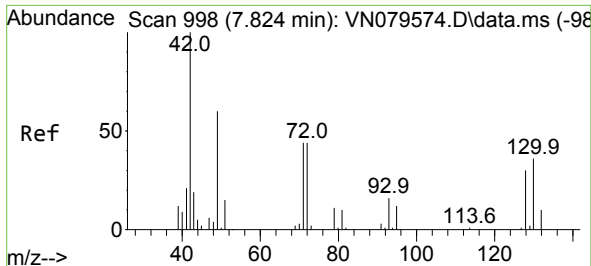
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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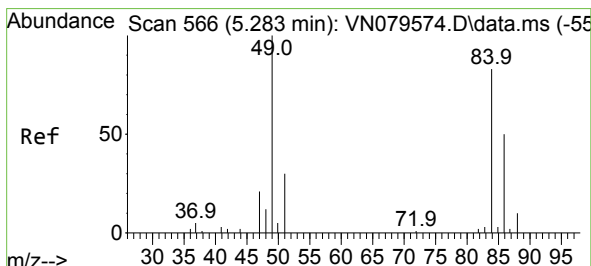
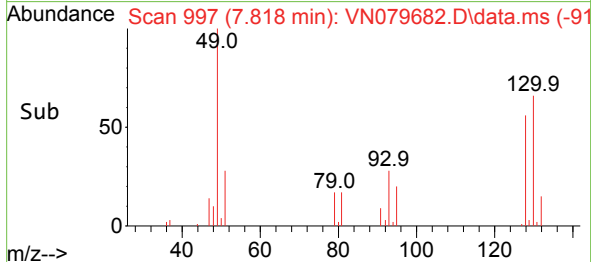
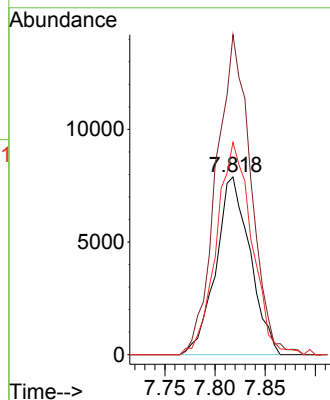
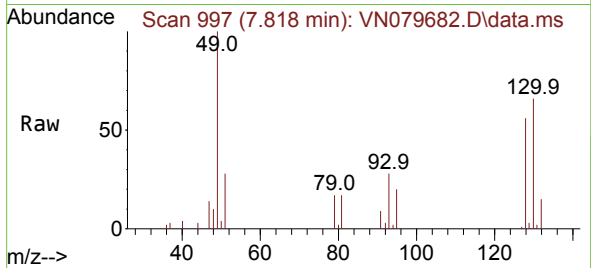




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.818 min Scan# 998
Delta R.T. -0.006 min
Lab File: VN079682.D
Acq: 25 Oct 2023 15:26

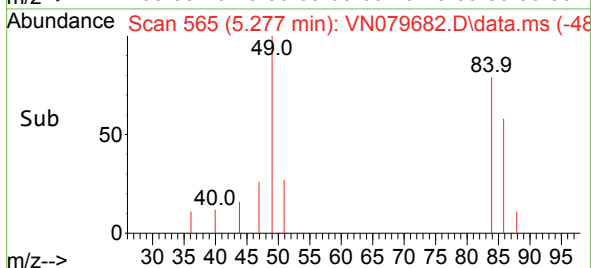
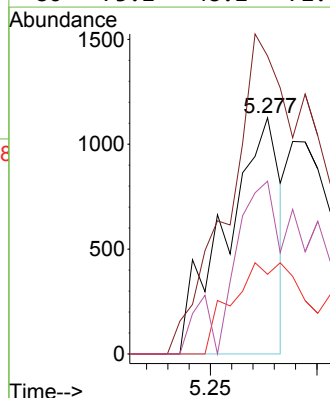
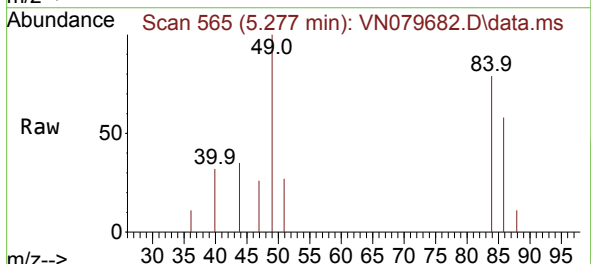
Instrument :
MSVOA_N
ClientSampleId :

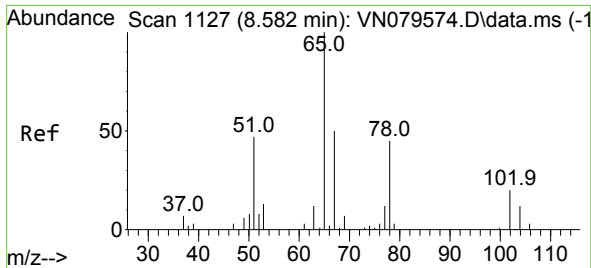
Tgt Ion:128 Resp: 18700
Ion Ratio Lower Upper
128 100
49 181.4 0.0 468.5
130 123.3 0.0 320.7



#18
Methylene Chloride
Concen: 0.641 ug/l
RT: 5.277 min Scan# 565
Delta R.T. -0.006 min
Lab File: VN079682.D
Acq: 25 Oct 2023 15:26

Tgt Ion: 84 Resp: 1987
Ion Ratio Lower Upper
84 100
49 112.3 100.9 151.3
51 33.7 29.4 44.2
86 73.2 48.2 72.4#





#27

1,2-Dichloroethane-d4

Concen: 31.585 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VN079682.D

Acq: 25 Oct 2023 15:26

Instrument :

MSVOA_N

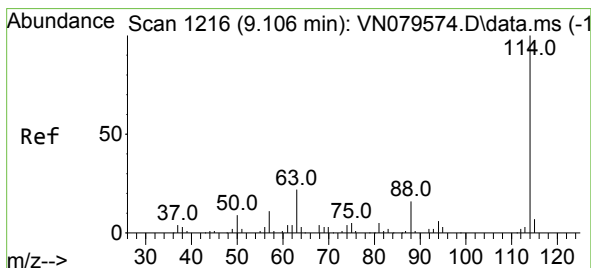
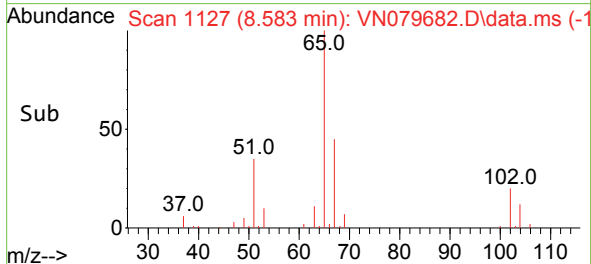
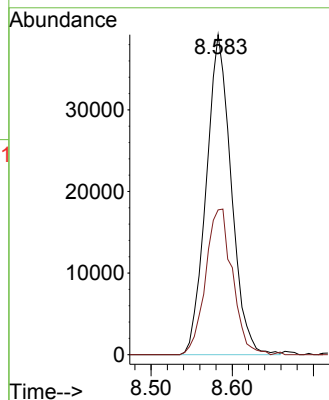
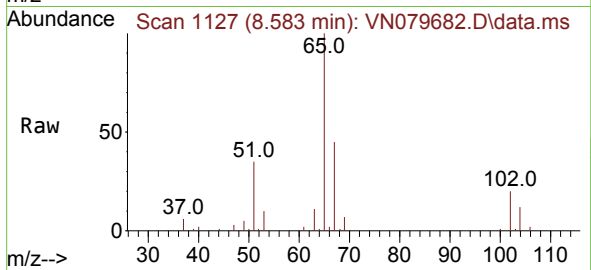
ClientSampleId :

Tgt Ion: 65 Resp: 83975

Ion Ratio Lower Upper

65 100

67 48.8 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: VN079682.D

Acq: 25 Oct 2023 15:26

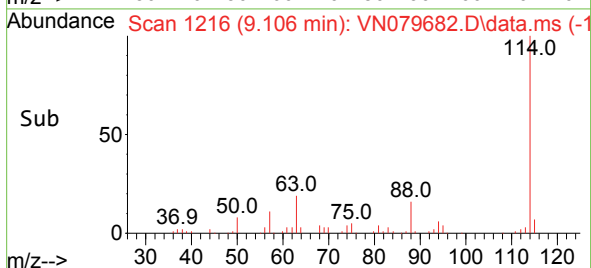
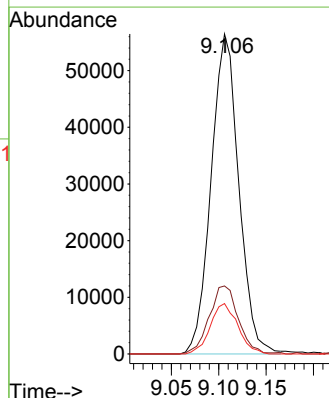
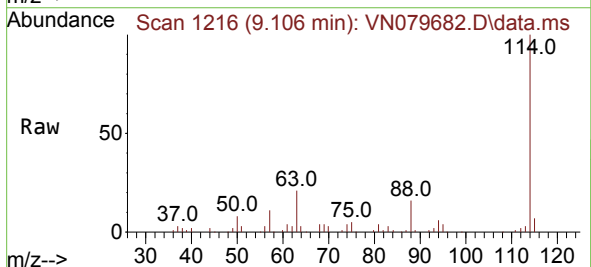
Tgt Ion: 114 Resp: 114837

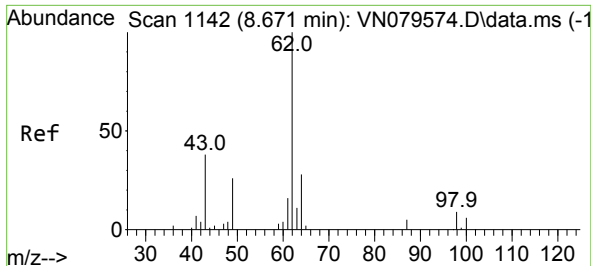
Ion Ratio Lower Upper

114 100

63 22.2 18.1 27.1

88 15.7 12.2 18.2





#36

1,2-Dichloroethane

Concen: 0.300 ug/l

RT: 9.088 min Scan# 1153

Delta R.T. 0.418 min

Lab File: VN079682.D

Acq: 25 Oct 2023 15:26

Instrument :

MSVOA_N

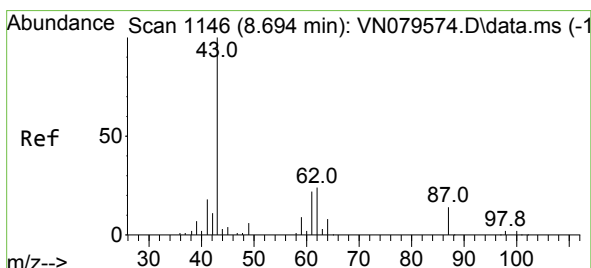
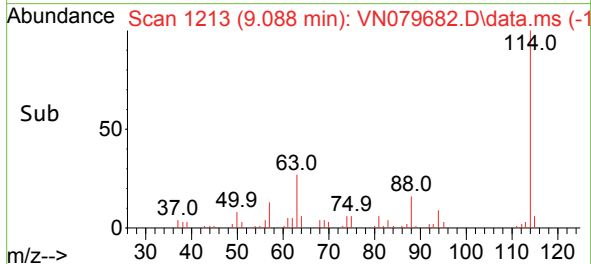
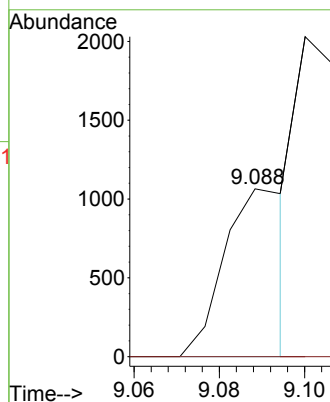
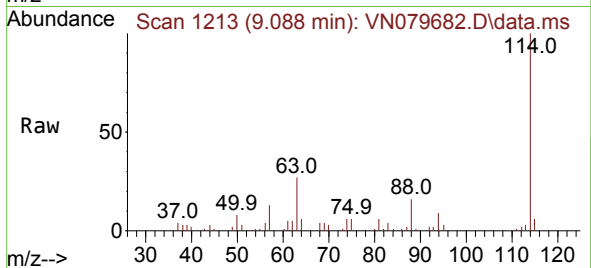
ClientSampleId :

Tgt Ion: 62 Resp: 1092

Ion Ratio Lower Upper

62 100

98 0.0 7.2 10.8#



#44

Isopropyl Acetate

Concen: 0.292 ug/l

RT: 8.735 min Scan# 1153

Delta R.T. 0.041 min

Lab File: VN079682.D

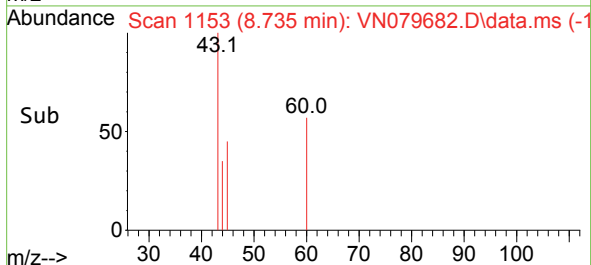
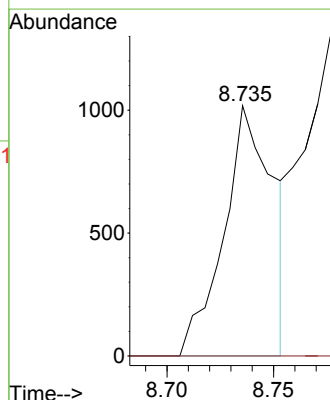
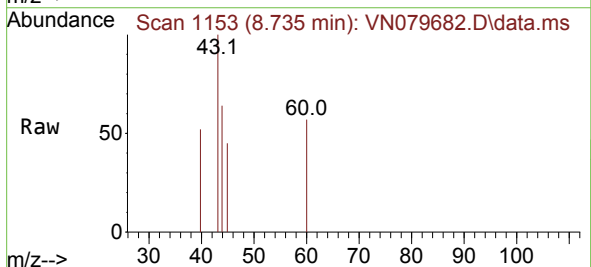
Acq: 25 Oct 2023 15:26

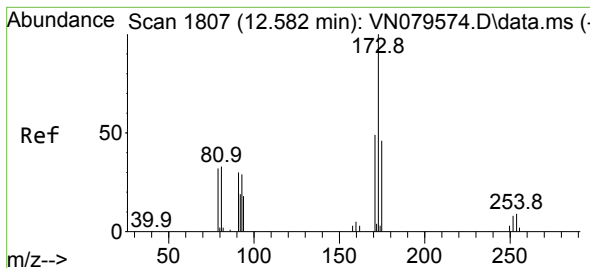
Tgt Ion: 43 Resp: 1642

Ion Ratio Lower Upper

43 100

61 97.7 20.3 30.5#





#56

Bromoform

Concen: 0.613 ug/l

RT: 12.853 min Scan# 11

Delta R.T. 0.271 min

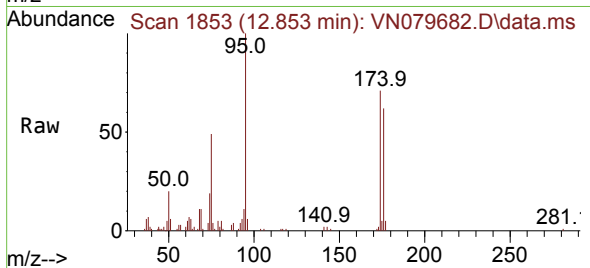
Lab File: VN079682.D

Acq: 25 Oct 2023 15:26

Instrument :

MSVOA_N

ClientSampleId :



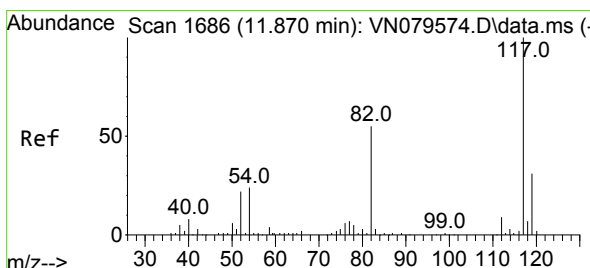
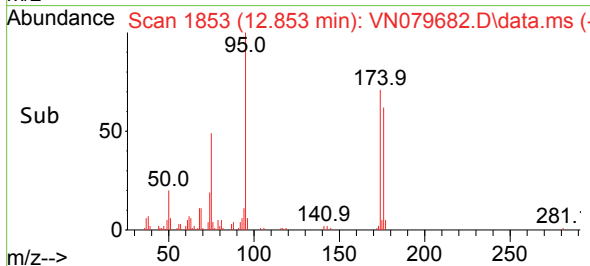
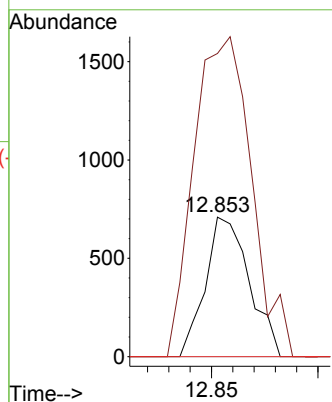
Tgt Ion:173 Resp: 1015

Ion Ratio Lower Upper

173 100

175 300.7 37.9 56.9#

254 0.0 7.3 10.9#



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.871 min Scan# 1686

Delta R.T. 0.000 min

Lab File: VN079682.D

Acq: 25 Oct 2023 15:26

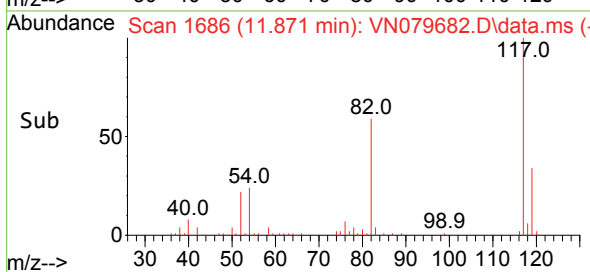
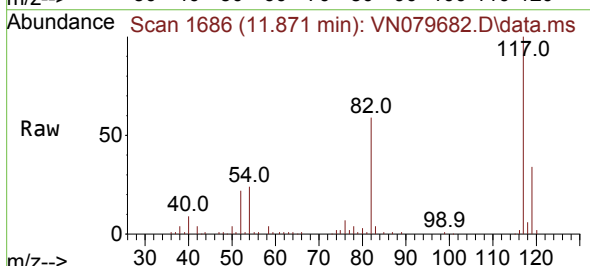
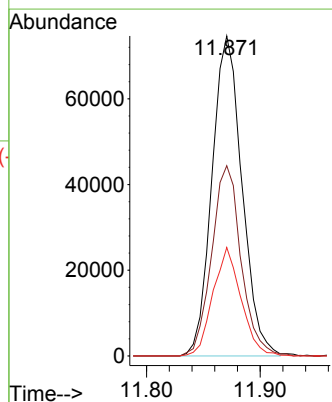
Tgt Ion:117 Resp: 137027

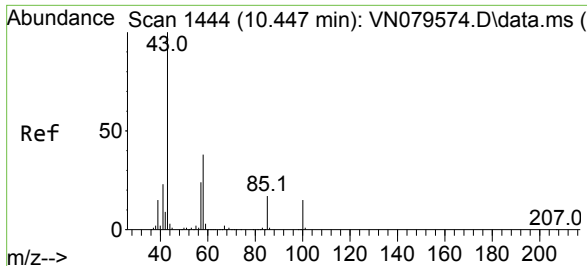
Ion Ratio Lower Upper

117 100

82 58.4 46.2 69.2

119 31.9 25.2 37.8

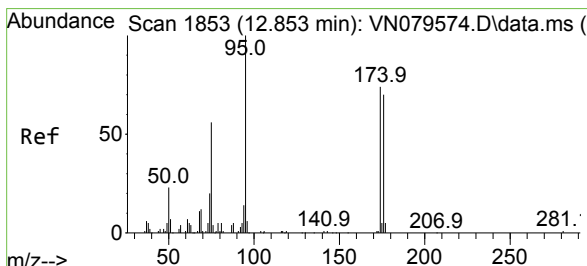
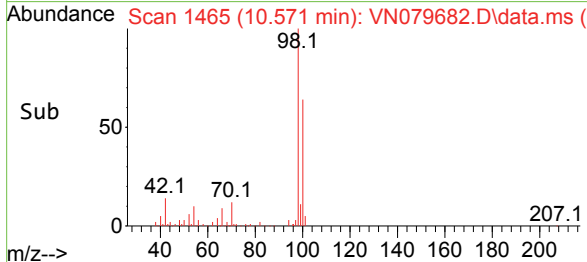
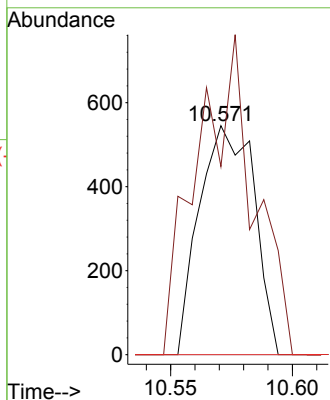
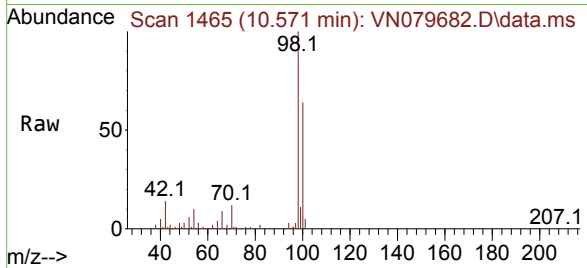




#58
 4-Methyl-2-Pentanone
 Concen: 0.267 ug/l
 RT: 10.571 min Scan# 1444
 Delta R.T. 0.124 min
 Lab File: VN079682.D
 Acq: 25 Oct 2023 15:26

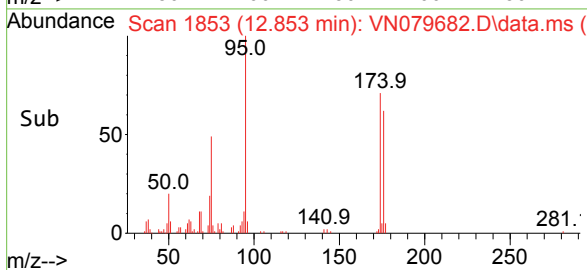
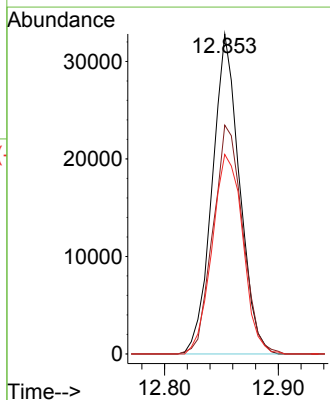
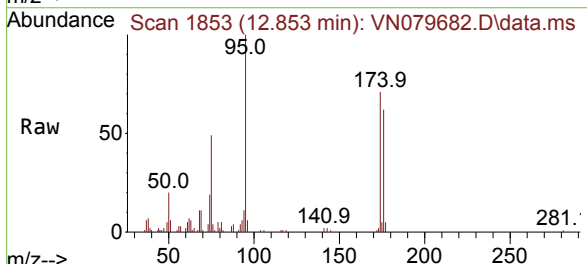
Instrument :
 MSVOA_N
 ClientSampleId :

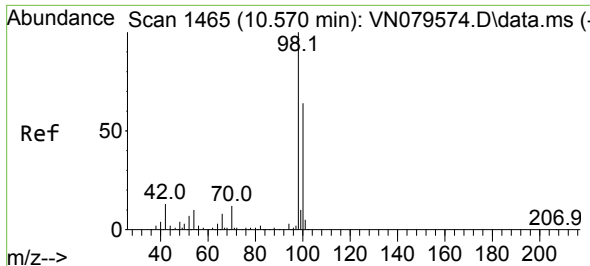
Tgt Ion: 43 Resp: 854
 Ion Ratio Lower Upper
 43 100
 58 119.0 30.4 45.6#
 85 0.0 13.2 19.8#



#60
 4-Bromofluorobenzene
 Concen: 21.863 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. 0.000 min
 Lab File: VN079682.D
 Acq: 25 Oct 2023 15:26

Tgt Ion: 95 Resp: 54785
 Ion Ratio Lower Upper
 95 100
 174 77.5 60.5 90.7
 176 70.1 57.2 85.8

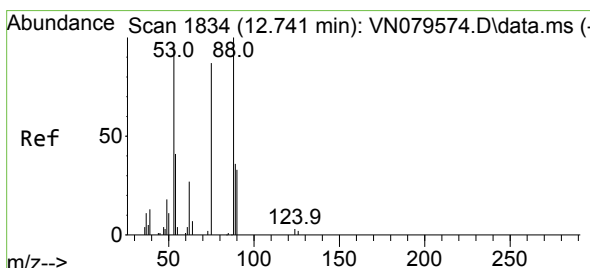
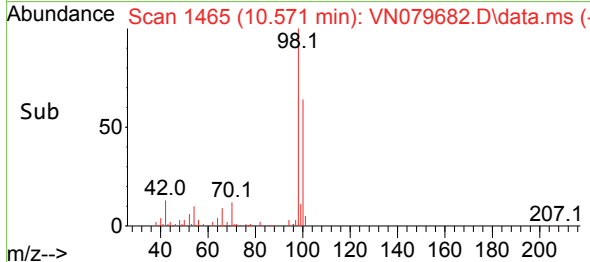
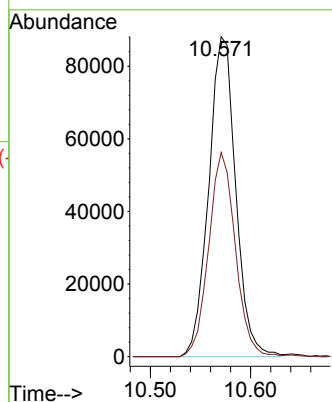
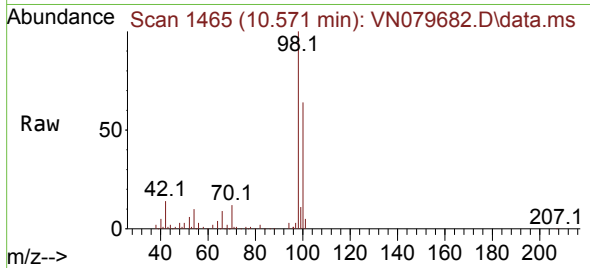




#63
Toluene-d8
Concen: 28.149 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN079682.D
Acq: 25 Oct 2023 15:26

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 98 Resp: 165284
Ion Ratio Lower Upper
98 100
100 62.8 51.6 77.4



#77
t-1,4-Dichloro-2-butene
Concen: 32.283 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN079682.D
Acq: 25 Oct 2023 15:26

Tgt Ion: 75 Resp: 31150
Ion Ratio Lower Upper
75 100
53 0.0 53.0 159.1#
89 0.0 22.6 67.7#

