

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031623\
 Data File : VN077022.D
 Acq On : 16 Mar 2023 15:41
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Mar 17 03:24:24 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N030823W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Mar 09 04:16:54 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

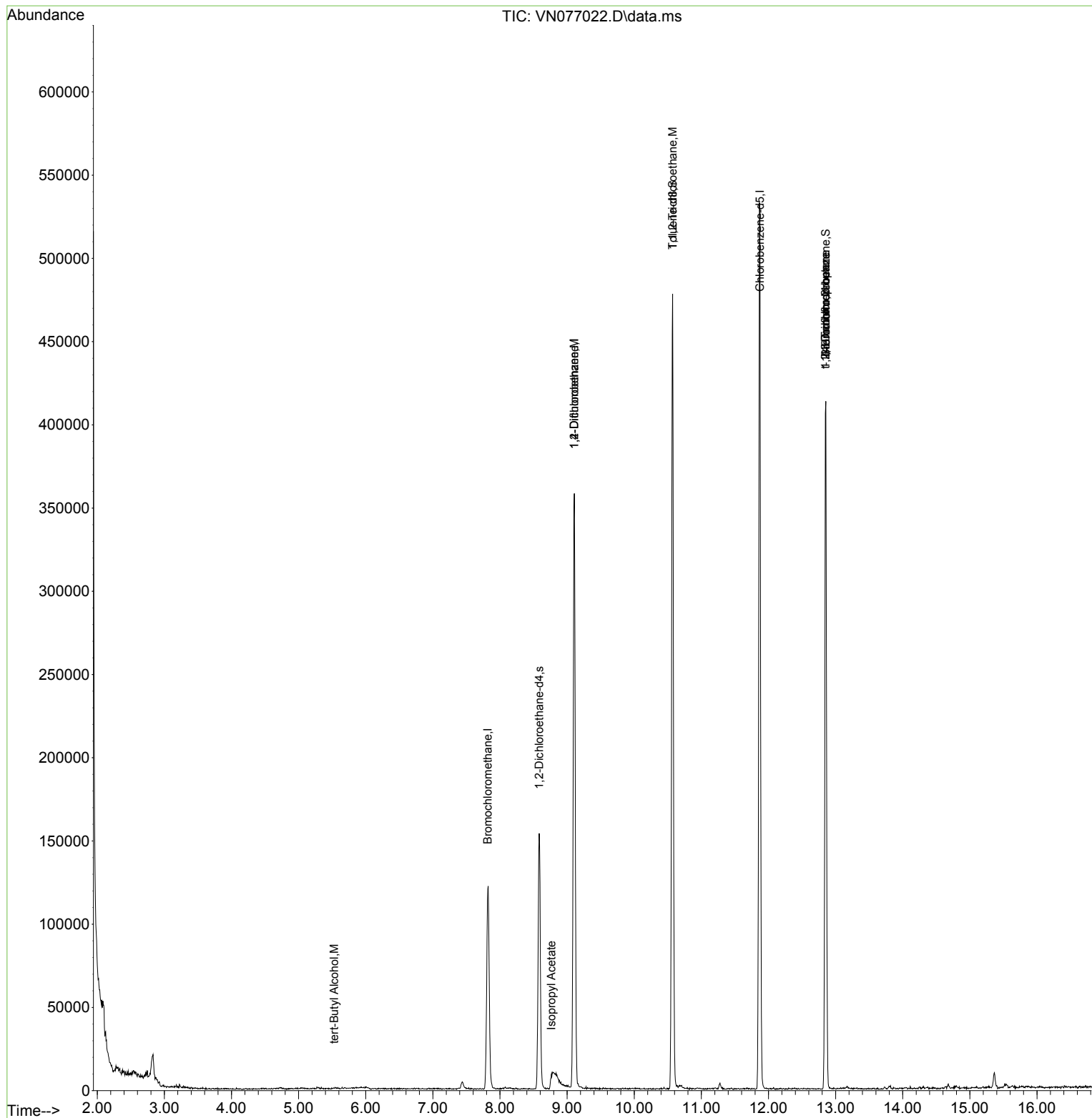
Internal Standards						
1) Bromochloromethane	7.819	128	43220	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.107	114	303416	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.872	117	310043	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.584	65	128725	32.403	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	108.000%
60) 4-Bromofluorobenzene	12.854	95	152720	26.026	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	86.767%
63) Toluene-d8	10.572	98	327925	30.071	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	100.233%
Target Compounds						
					Qvalue	
23) tert-Butyl Alcohol	5.531	59	328	0.440	ug/l #	100
36) 1,2-Dichloroethane	9.107	62	10873	1.481	ug/l #	75
44) Isopropyl Acetate	8.766	43	4029	0.378	ug/l #	57
50) 1,1,2-Trichloroethane	10.572	97	10748	2.046	ug/l #	1
56) Bromoform	12.854	173	1237	0.345	ug/l #	1
72) 1,2,3-Trichloropropane	12.848	75	81037	13.127	ug/l	1
77) t-1,4-Dichloro-2-butene	12.848	75	81037	43.004	ug/l #	9

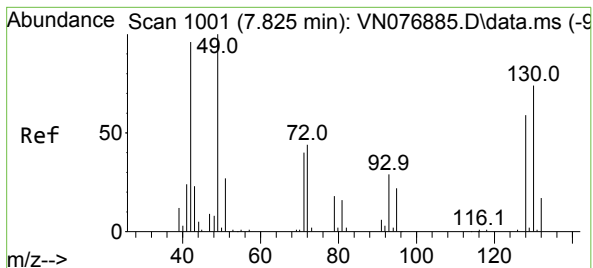
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Mar 09 04:16:54 2023
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.819 min Scan# 1000

Delta R.T. -0.006 min

Lab File: VN077022.D

Acq: 16 Mar 2023 15:41

Instrument :

MSVOA_N

ClientSampleId :

IBLK

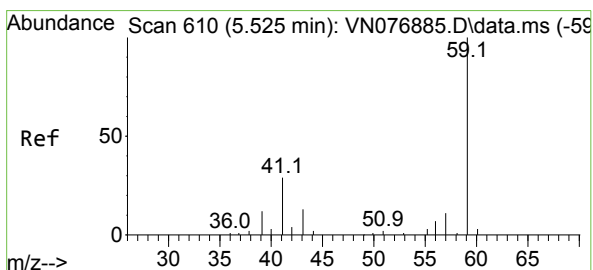
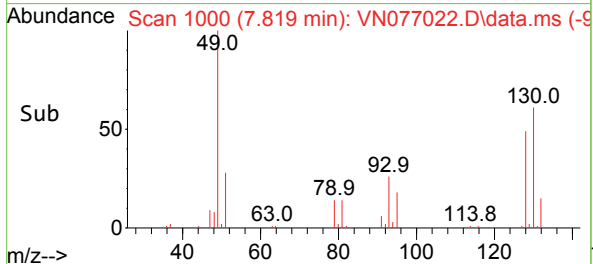
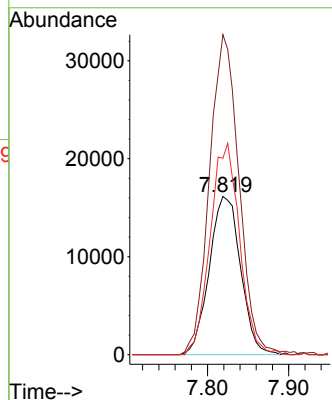
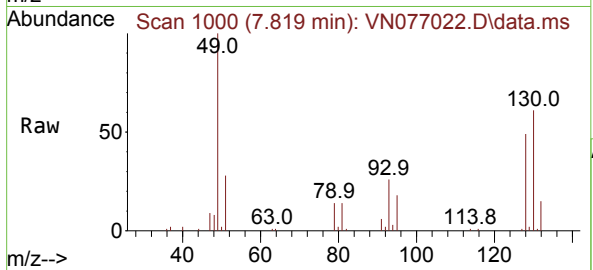
Tgt Ion:128 Resp: 43220

Ion Ratio Lower Upper

128 100

49 191.2 0.0 461.8

130 125.4 0.0 295.3



#23

tert-Butyl Alcohol

Concen: 0.440 ug/l

RT: 5.531 min Scan# 611

Delta R.T. -0.000 min

Lab File: VN077022.D

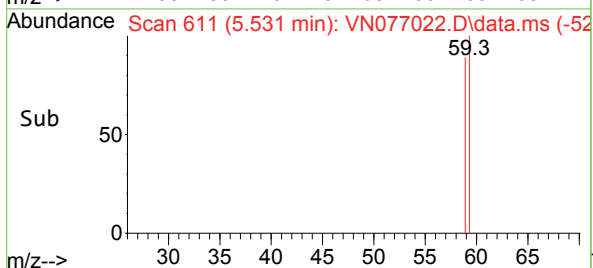
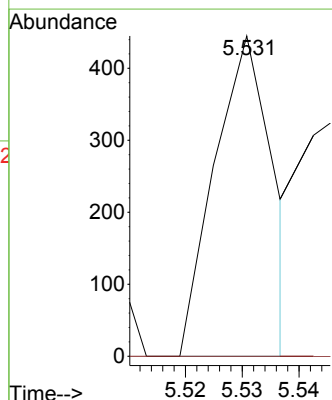
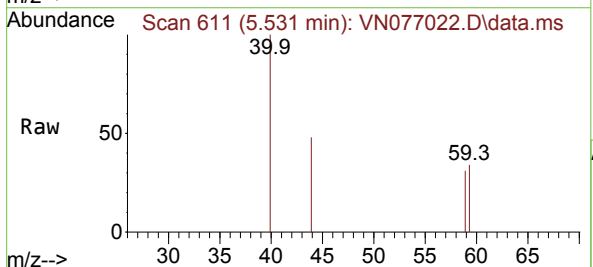
Acq: 16 Mar 2023 15:41

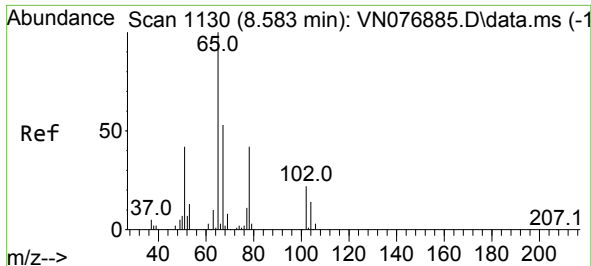
Tgt Ion: 59 Resp: 328

Ion Ratio Lower Upper

59 100

52 0.0 0.2 0.2#





#27

1,2-Dichloroethane-d4

Concen: 32.403 ug/l

RT: 8.584 min Scan# 1130

Delta R.T. 0.001 min

Lab File: VN077022.D

Acq: 16 Mar 2023 15:41

Instrument :

MSVOA_N

ClientSampleId :

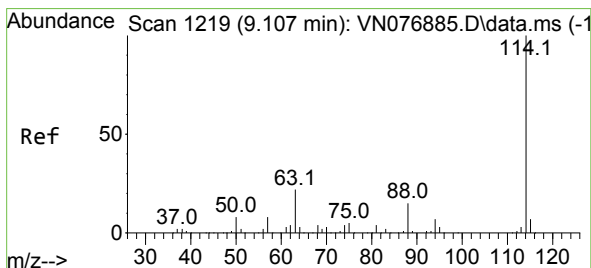
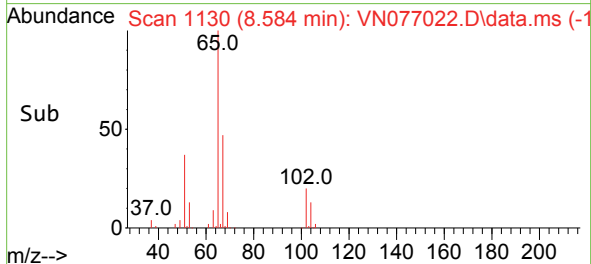
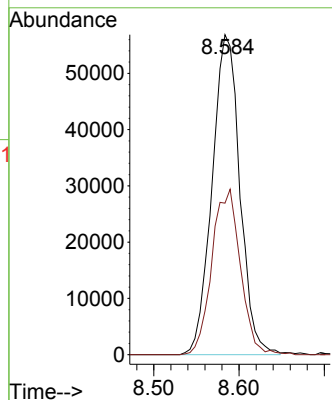
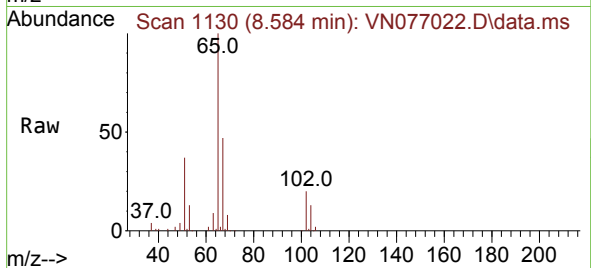
IBLK

Tgt Ion: 65 Resp: 128725

Ion Ratio Lower Upper

65 100

67 52.5 40.9 61.3



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.107 min Scan# 1219

Delta R.T. 0.000 min

Lab File: VN077022.D

Acq: 16 Mar 2023 15:41

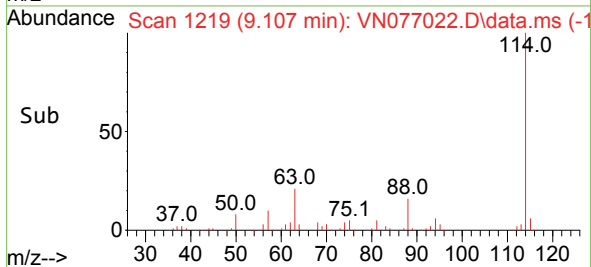
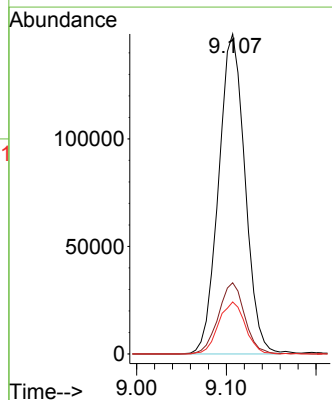
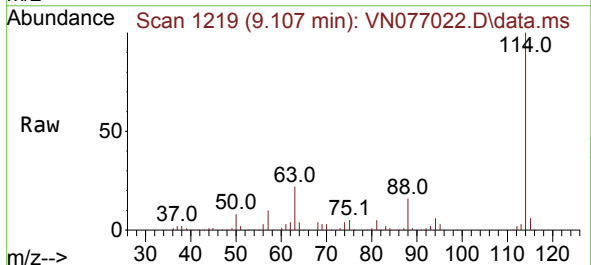
Tgt Ion: 114 Resp: 303416

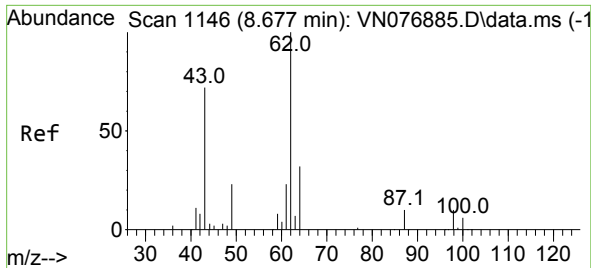
Ion Ratio Lower Upper

114 100

63 22.3 17.0 25.4

88 16.4 11.6 17.4

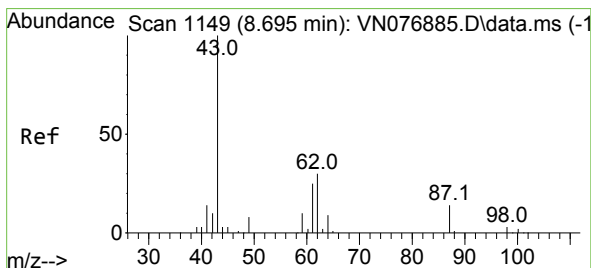
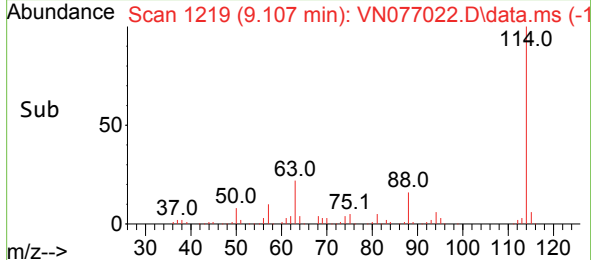
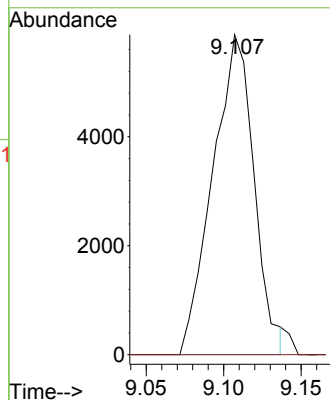
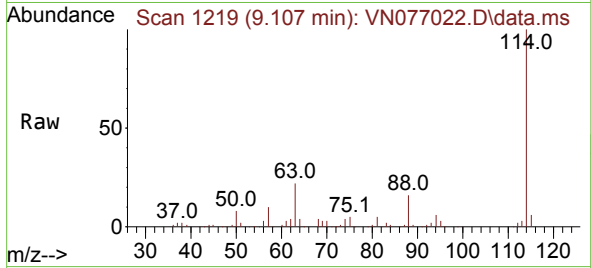




#36
1,2-Dichloroethane
Concen: 1.481 ug/l
RT: 9.107 min Scan# 1161
Delta R.T. 0.429 min
Lab File: VN077022.D
Acq: 16 Mar 2023 15:41

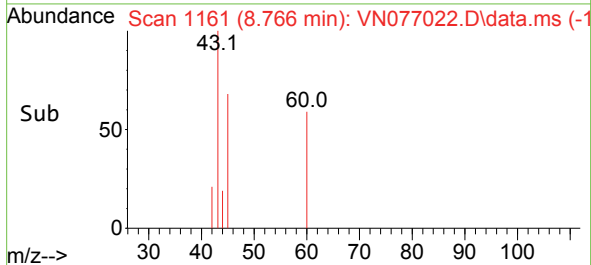
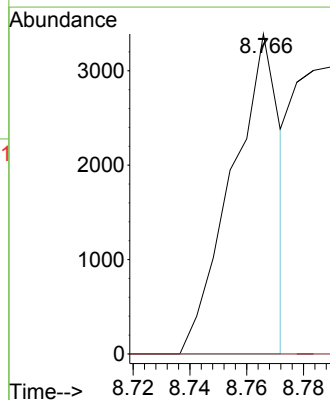
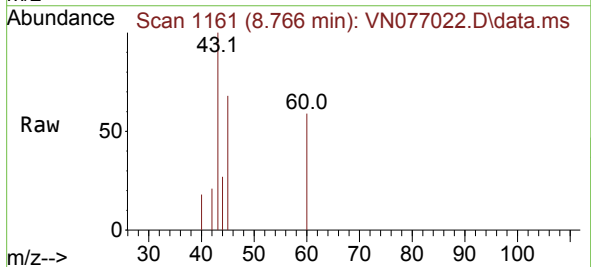
Instrument :
MSVOA_N
ClientSampleId :
IBLK

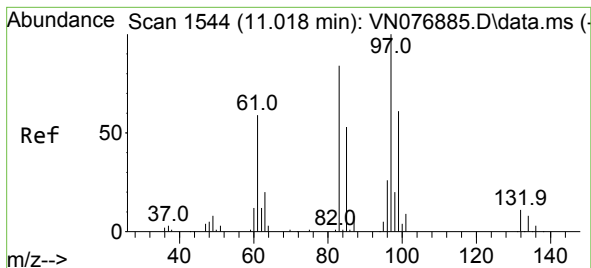
Tgt Ion: 62 Resp: 10873
Ion Ratio Lower Upper
62 100
98 0.0 7.4 11.0#



#44
Isopropyl Acetate
Concen: 0.378 ug/l
RT: 8.766 min Scan# 1161
Delta R.T. 0.071 min
Lab File: VN077022.D
Acq: 16 Mar 2023 15:41

Tgt Ion: 43 Resp: 4029
Ion Ratio Lower Upper
43 100
61 45.7 19.5 29.3#





#50

1,1,2-Trichloroethane

Concen: 2.046 ug/l

RT: 10.572 min Scan# 1468

Delta R.T. -0.447 min

Lab File: VN077022.D

Acq: 16 Mar 2023 15:41

Instrument :

MSVOA_N

ClientSampleId :

IBLK

Tgt Ion: 97 Resp: 10748

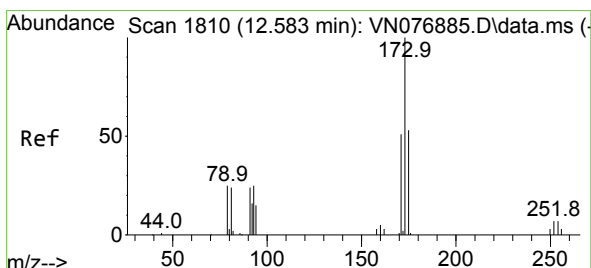
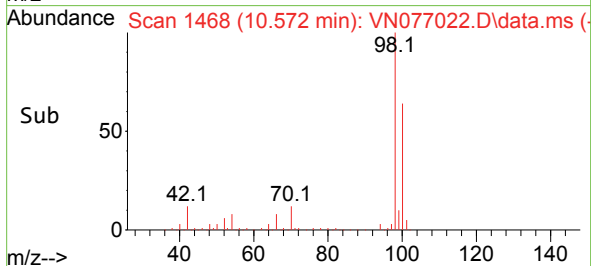
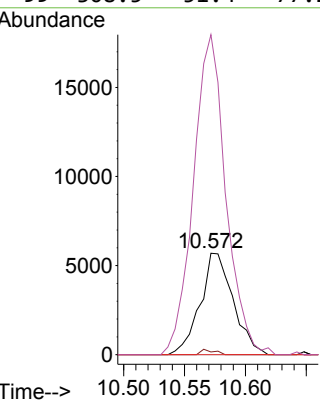
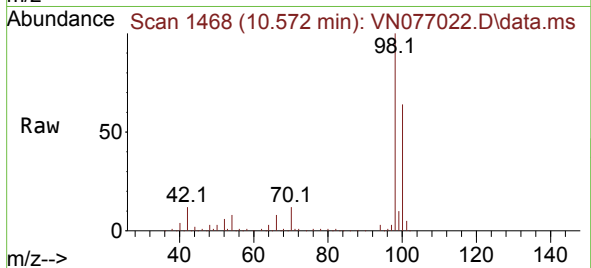
Ion Ratio Lower Upper

97 100

83 2.7 71.0 106.4#

85 0.0 45.5 68.3#

99 308.5 51.4 77.2#



#56

Bromoform

Concen: 0.345 ug/l

RT: 12.854 min Scan# 1856

Delta R.T. 0.271 min

Lab File: VN077022.D

Acq: 16 Mar 2023 15:41

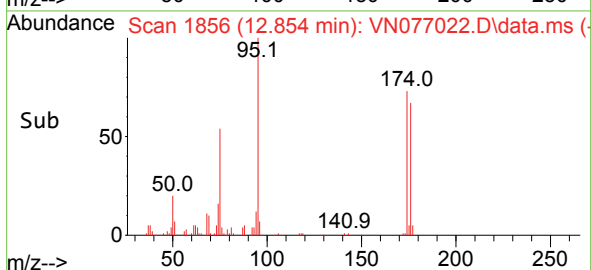
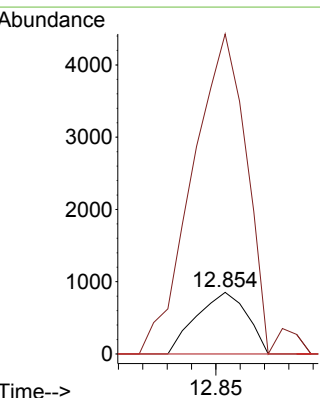
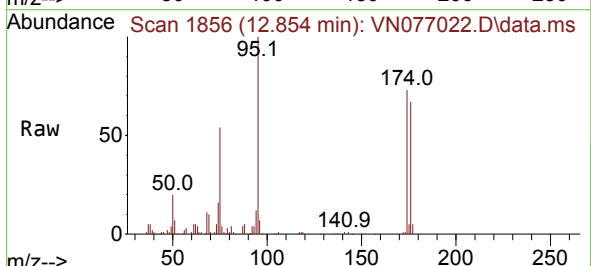
Tgt Ion:173 Resp: 1237

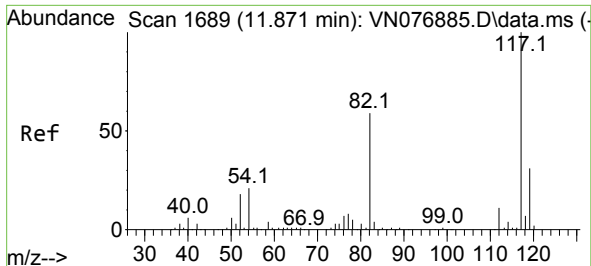
Ion Ratio Lower Upper

173 100

175 550.7 37.8 56.6#

254 0.0 7.3 10.9#





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.872 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN077022.D

Acq: 16 Mar 2023 15:41

Instrument :

MSVOA_N

ClientSampleId :

IBLK

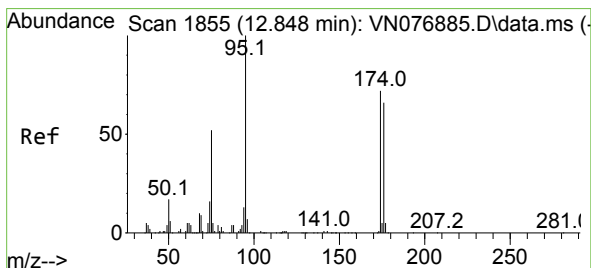
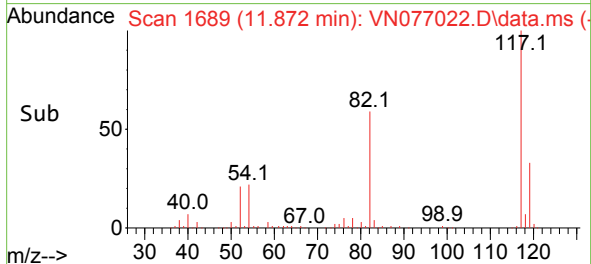
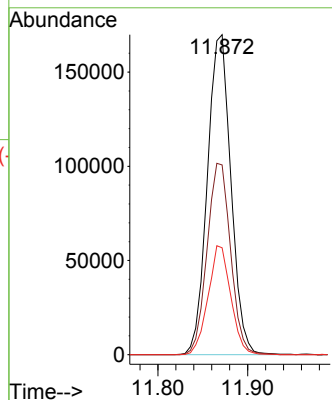
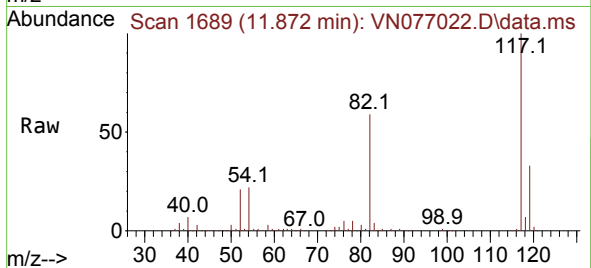
Tgt Ion:117 Resp: 310043

Ion Ratio Lower Upper

117 100

82 59.7 45.4 68.0

119 32.8 26.8 40.2



#60

4-Bromofluorobenzene

Concen: 26.026 ug/l

RT: 12.854 min Scan# 1856

Delta R.T. 0.006 min

Lab File: VN077022.D

Acq: 16 Mar 2023 15:41

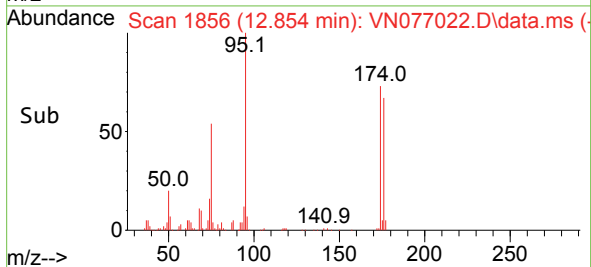
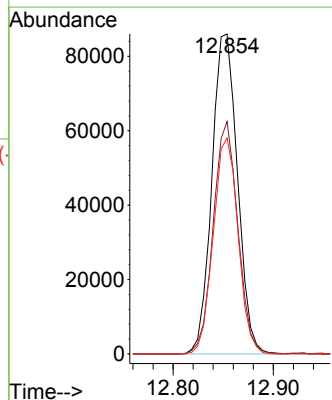
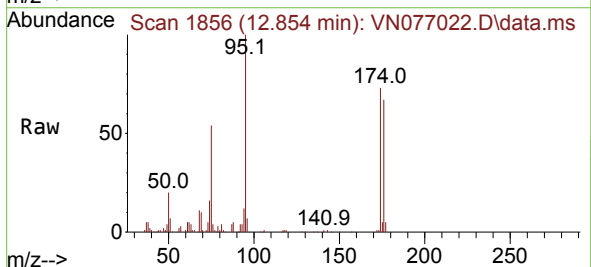
Tgt Ion: 95 Resp: 152720

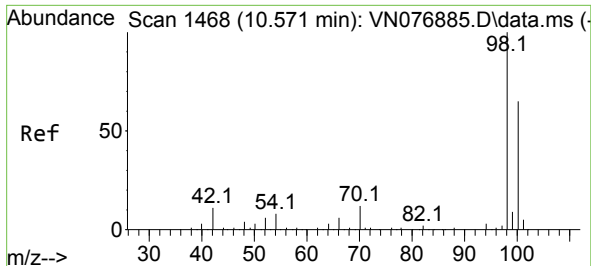
Ion Ratio Lower Upper

95 100

174 69.7 64.2 96.4

176 65.2 61.4 92.0

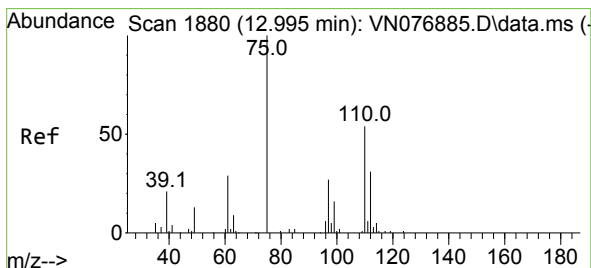
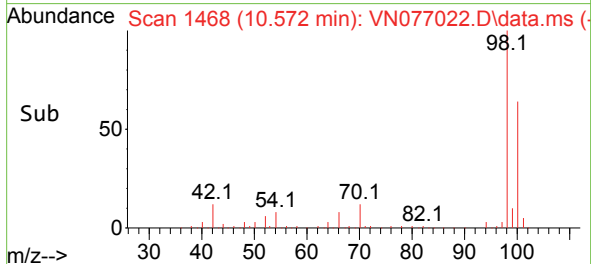
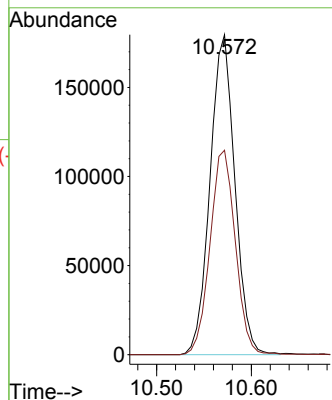
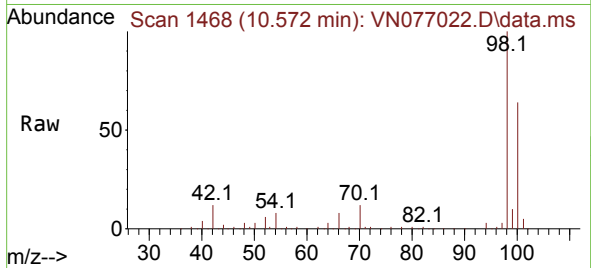




#63
Toluene-d8
Concen: 30.071 ug/l
RT: 10.572 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VN077022.D
Acq: 16 Mar 2023 15:41

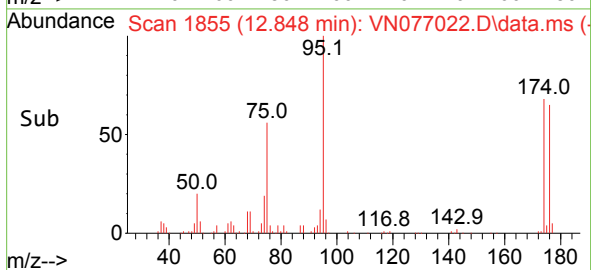
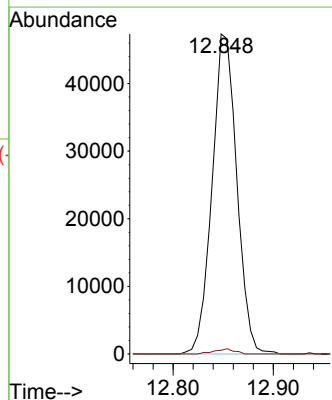
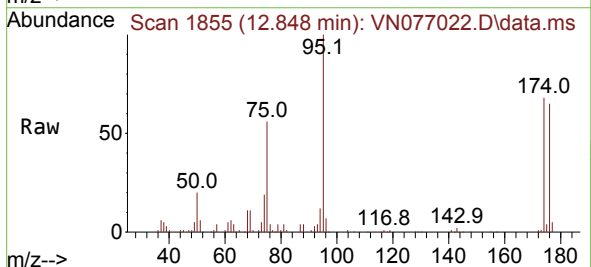
Instrument :
MSVOA_N
ClientSampleId :
IBLK

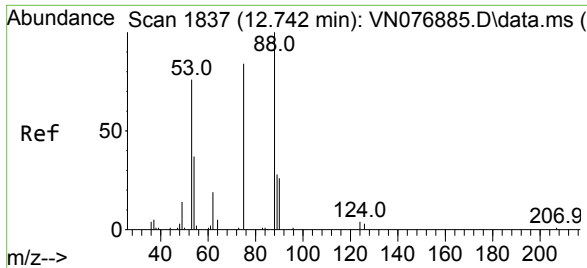
Tgt Ion: 98 Resp: 327925
Ion Ratio Lower Upper
98 100
100 65.1 53.8 80.6



#72
1,2,3-Trichloropropane
Concen: 13.127 ug/l
RT: 12.848 min Scan# 1855
Delta R.T. -0.147 min
Lab File: VN077022.D
Acq: 16 Mar 2023 15:41

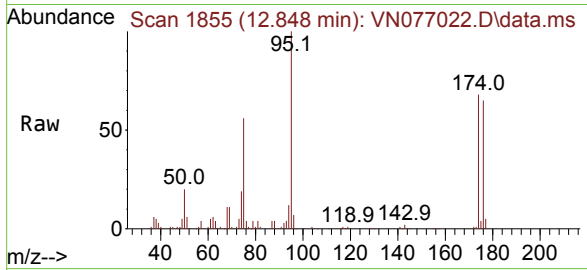
Tgt Ion: 75 Resp: 81037
Ion Ratio Lower Upper
75 100
77 1.3 0.0 332.6





#77
 t-1,4-Dichloro-2-butene
 Concen: 43.004 ug/l
 RT: 12.848 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN077022.D
 Acq: 16 Mar 2023 15:41

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK



Tgt Ion:	75	Resp:	81037
Ion Ratio	Lower	Upper	
75	100		
53	0.0	50.4	151.3#
89	0.0	22.1	66.5#

