

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031524\
 Data File : VN081433.D
 Acq On : 15 Mar 2024 18:29
 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 15 23:37:45 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N030524W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 06 03:12:57 2024
 Response via : Initial Calibration

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

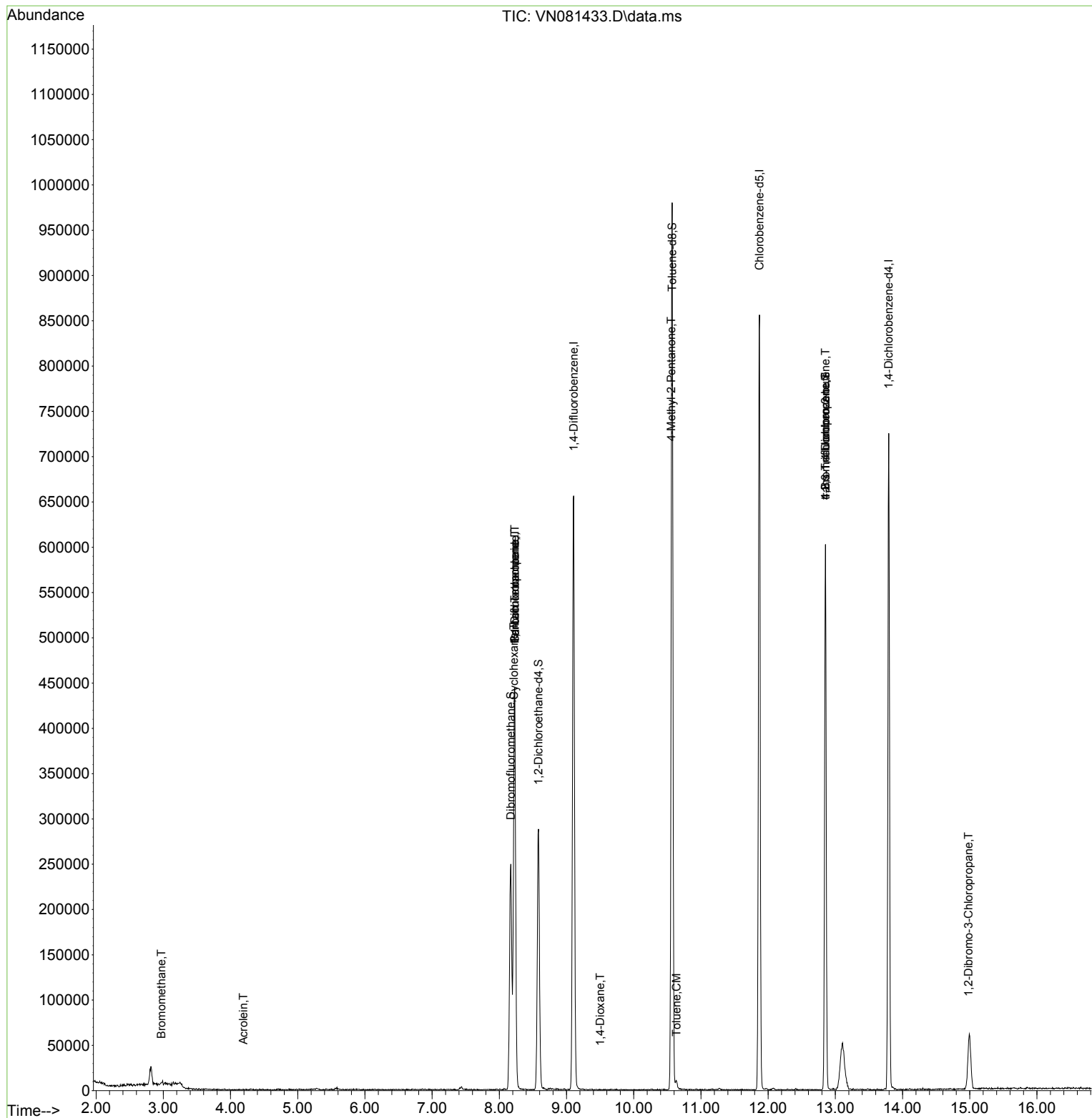
Internal Standards						
1) Pentafluorobenzene	8.230	168	301129	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	548863	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	476625	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	175574	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	233408	53.608	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 107.220%	
35) Dibromofluoromethane	8.171	113	174748	51.967	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 103.940%	
50) Toluene-d8	10.571	98	652235	51.886	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 103.780%	
62) 4-Bromofluorobenzene	12.853	95	199248	44.846	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	= 89.700%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.971	94	914	0.304	ug/l	81
13) Acrolein	4.189	56	227	0.252	ug/l #	15
20) Methylene Chloride	5.295	84	180	Below Cal	#	4
31) Cyclohexane	8.218	56	8257	1.253	ug/l #	9
36) 1,1-Dichloropropene	8.230	75	29006	5.347	ug/l #	50
38) Carbon Tetrachloride	8.230	117	34159	6.256	ug/l #	17
49) 1,4-Dioxane	9.500	88	56	0.619	ug/l #	1
51) 4-Methyl-2-Pentanone	10.559	43	3591	0.666	ug/l #	1
52) Toluene	10.635	92	3554	0.363	ug/l	90
76) 1,2,3-Trichloropropane	12.853	75	113964	27.481	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	113964	76.695	ug/l #	14
92) 1,2-Dibromo-3-Chloropr...	14.982	75	472	0.504	ug/l #	13

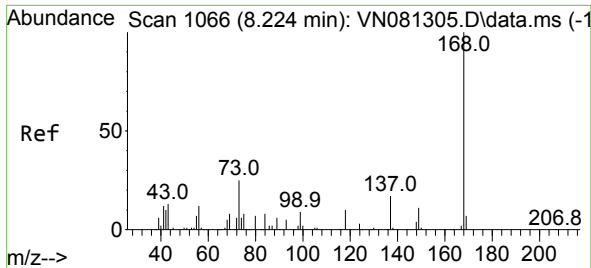
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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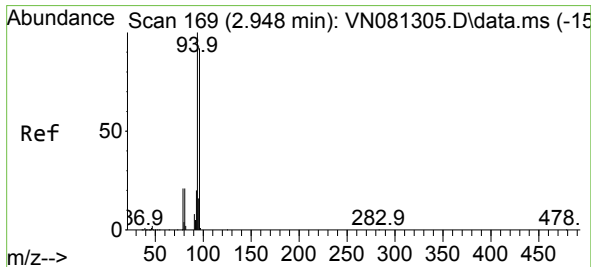
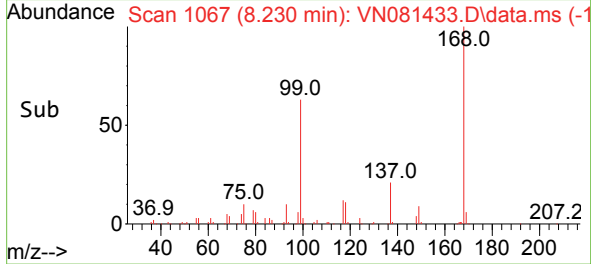
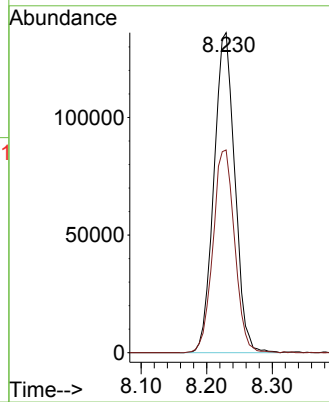
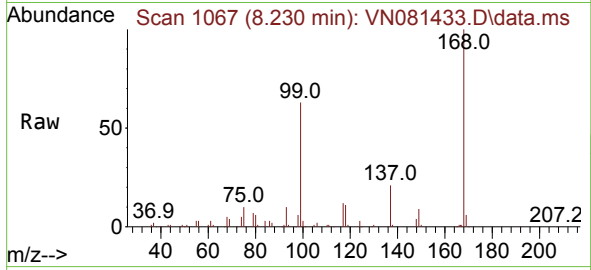




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN081433.D
Acq: 15 Mar 2024 18:29

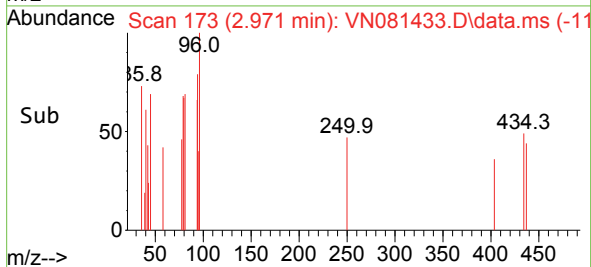
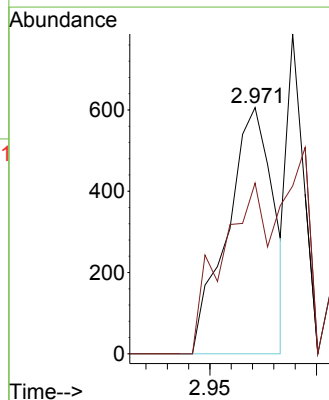
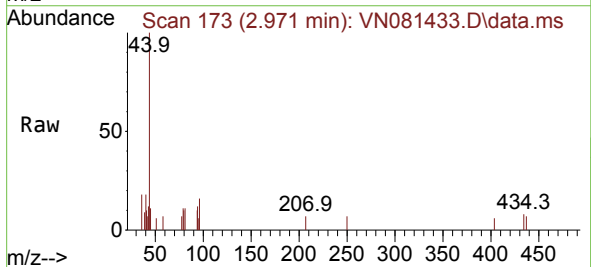
Instrument :
MSVOA_N
ClientSampleId :
IBLK

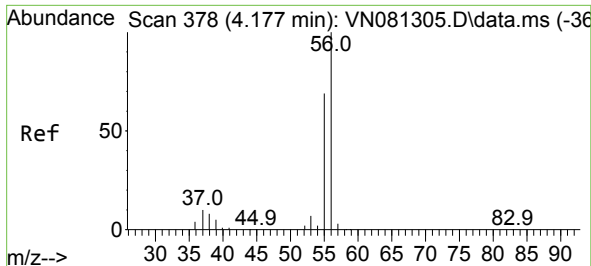
Tgt Ion:168 Resp: 301129
Ion Ratio Lower Upper
168 100
99 63.3 59.9 89.9



#5
Bromomethane
Concen: 0.304 ug/l
RT: 2.971 min Scan# 173
Delta R.T. 0.024 min
Lab File: VN081433.D
Acq: 15 Mar 2024 18:29

Tgt Ion: 94 Resp: 914
Ion Ratio Lower Upper
94 100
96 69.3 69.2 103.8

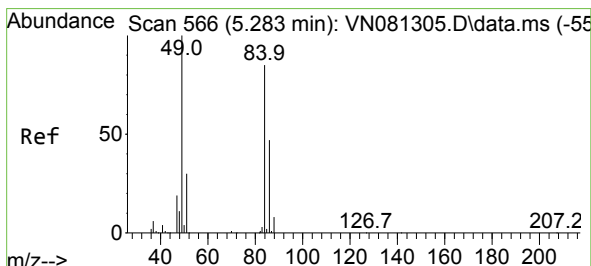
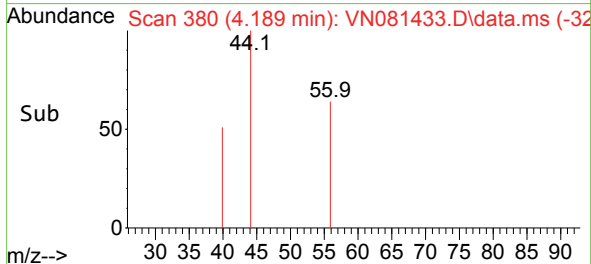
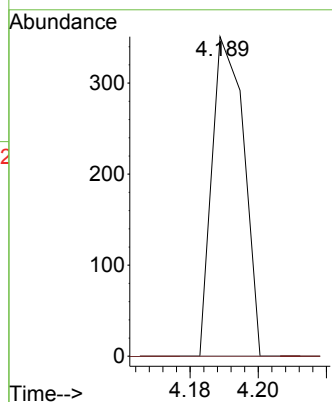
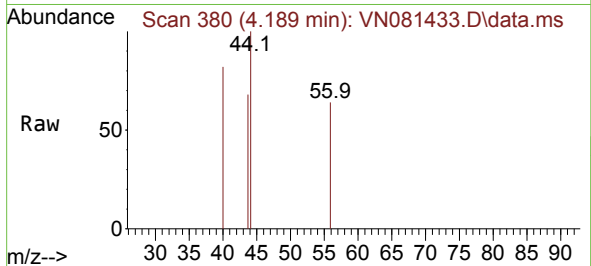




#13
Acrolein
Concen: 0.252 ug/l
RT: 4.189 min Scan# 31
Delta R.T. 0.012 min
Lab File: VN081433.D
Acq: 15 Mar 2024 18:29

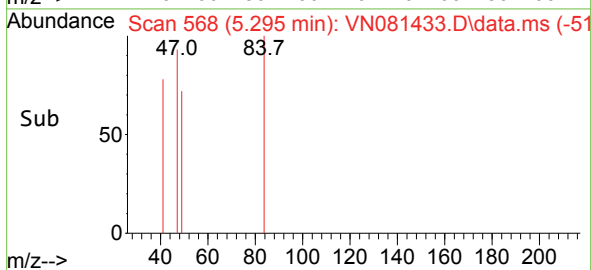
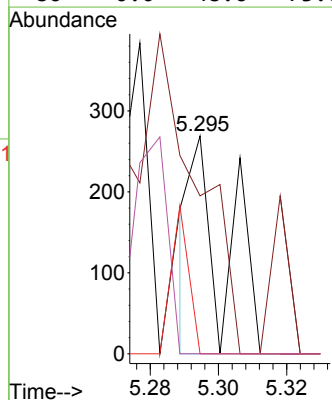
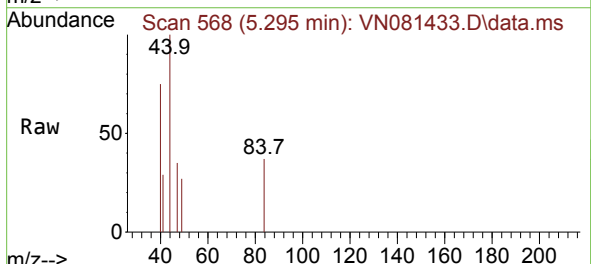
Instrument :
MSVOA_N
ClientSampleId :
IBLK

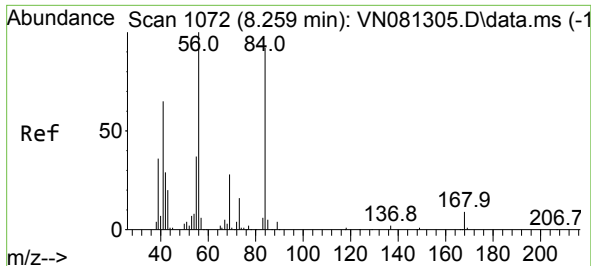
Tgt Ion: 56 Resp: 227
Ion Ratio Lower Upper
56 100
55 0.0 55.3 82.9#



#20
Methylene Chloride
Concen: Below Cal
RT: 5.295 min Scan# 568
Delta R.T. 0.012 min
Lab File: VN081433.D
Acq: 15 Mar 2024 18:29

Tgt Ion: 84 Resp: 180
Ion Ratio Lower Upper
84 100
49 0.0 108.1 162.1#
51 0.0 32.9 49.3#
86 0.0 48.6 73.0#

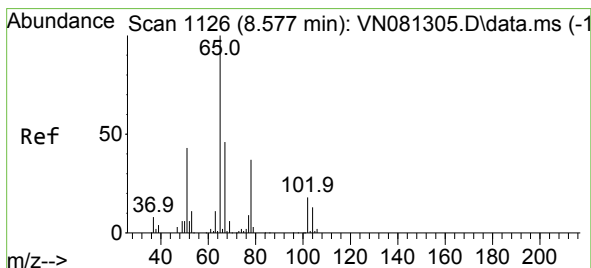
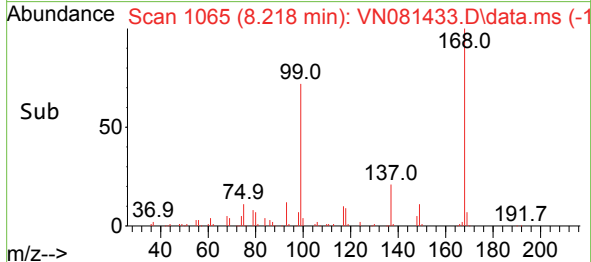
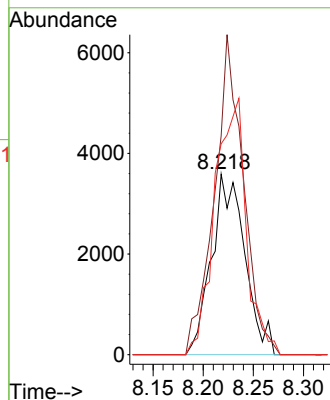
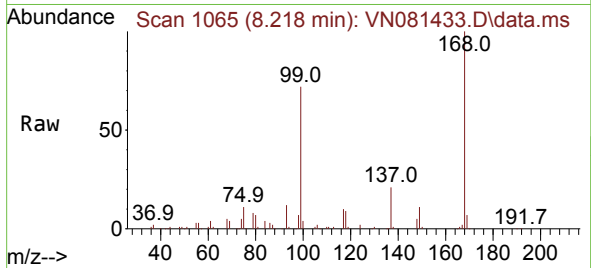




#31
Cyclohexane
Concen: 1.253 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.041 min
Lab File: VN081433.D
Acq: 15 Mar 2024 18:29

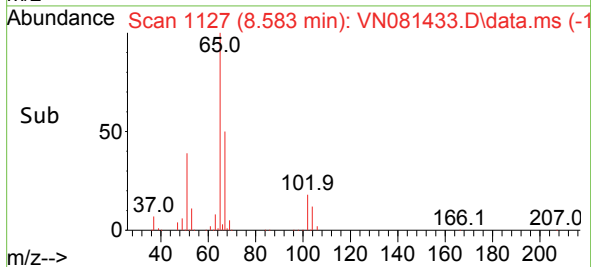
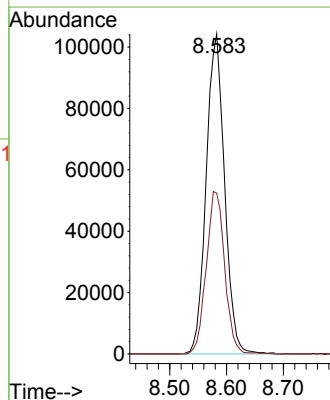
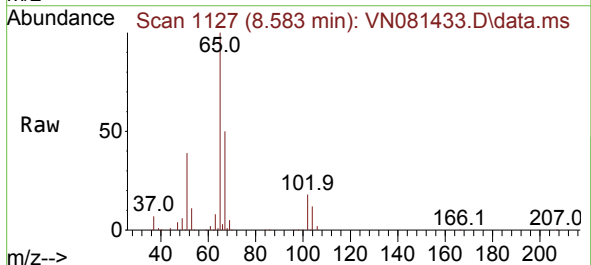
Instrument :
MSVOA_N
ClientSampleId :
IBLK

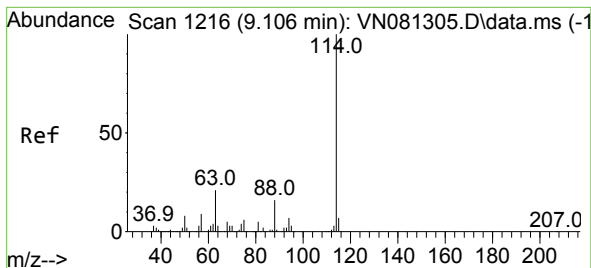
Tgt Ion: 56 Resp: 8257
Ion Ratio Lower Upper
56 100
69 121.2 20.1 30.1#
84 116.9 56.9 85.3#



#33
1,2-Dichloroethane-d4
Concen: 53.608 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN081433.D
Acq: 15 Mar 2024 18:29

Tgt Ion: 65 Resp: 233408
Ion Ratio Lower Upper
65 100
67 51.0 0.0 102.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN081433.D

Acq: 15 Mar 2024 18:29

Instrument :

MSVOA_N

ClientSampleId :

IBLK

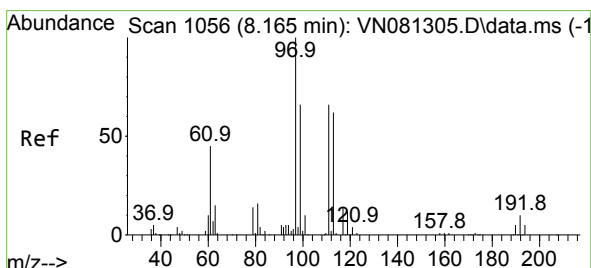
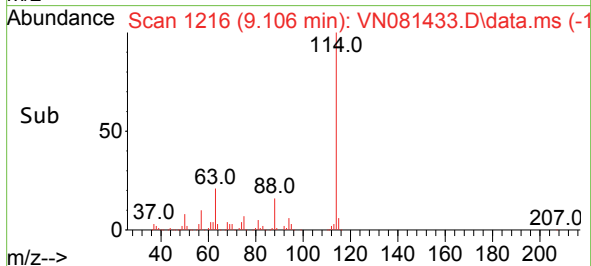
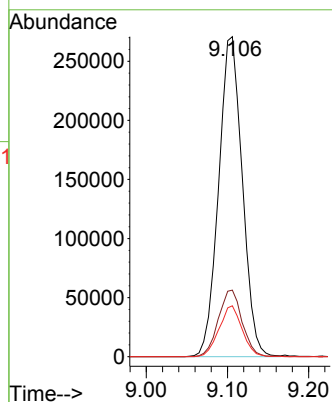
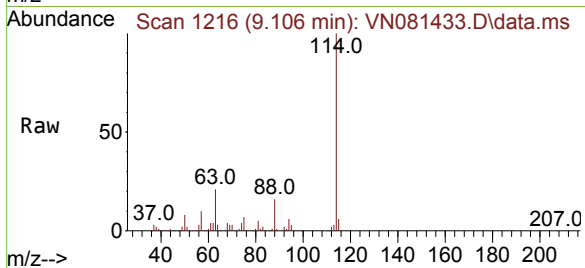
Tgt Ion:114 Resp: 548863

Ion Ratio Lower Upper

114 100

63 20.8 0.0 48.0

88 15.9 0.0 34.8



#35

Dibromofluoromethane

Concen: 51.967 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN081433.D

Acq: 15 Mar 2024 18:29

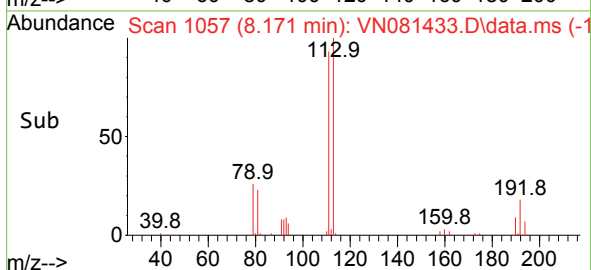
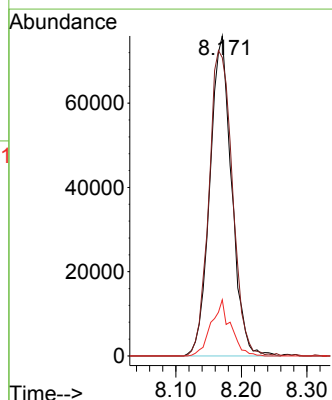
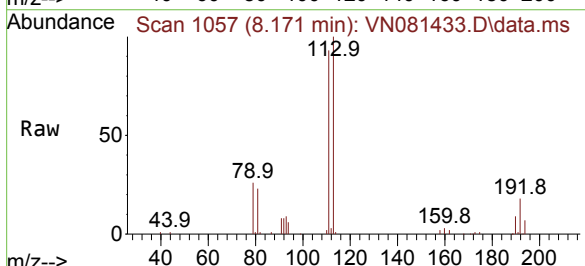
Tgt Ion:113 Resp: 174748

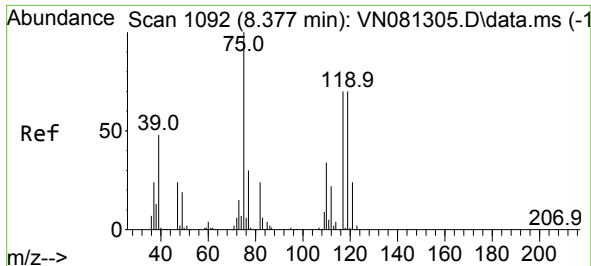
Ion Ratio Lower Upper

113 100

111 103.6 82.2 123.4

192 15.9 12.5 18.7





#36

1,1-Dichloropropene

Concen: 5.347 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.147 min

Lab File: VN081433.D

Acq: 15 Mar 2024 18:29

Instrument :

MSVOA_N

ClientSampleId :

IBLK

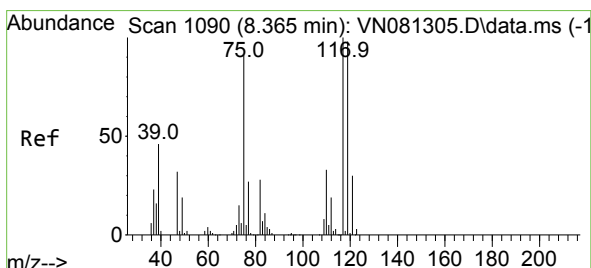
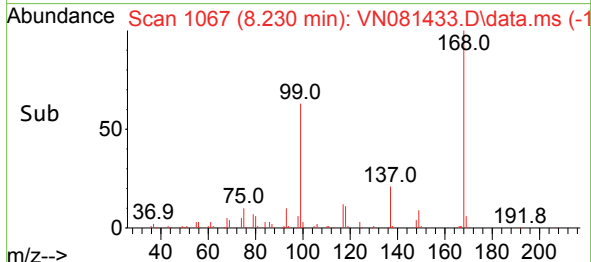
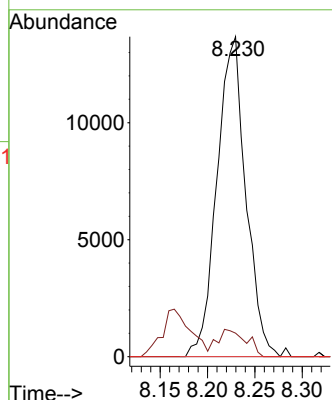
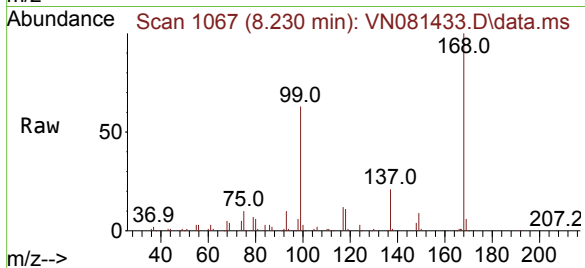
Tgt Ion: 75 Resp: 29006

Ion Ratio Lower Upper

75 100

110 8.5 16.0 48.0#

77 0.0 25.8 38.6#



#38

Carbon Tetrachloride

Concen: 6.256 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.135 min

Lab File: VN081433.D

Acq: 15 Mar 2024 18:29

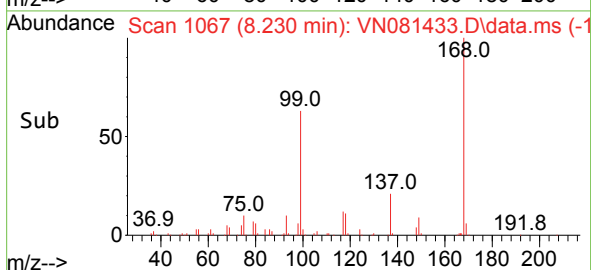
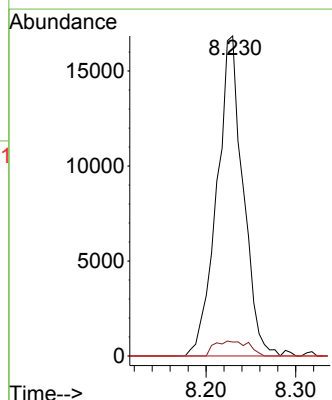
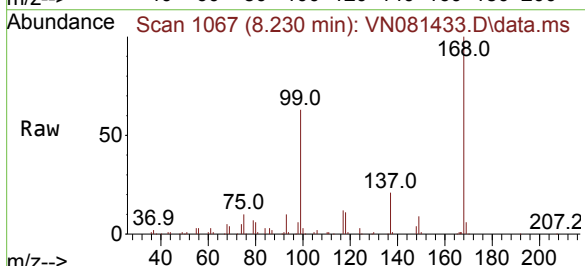
Tgt Ion: 117 Resp: 34159

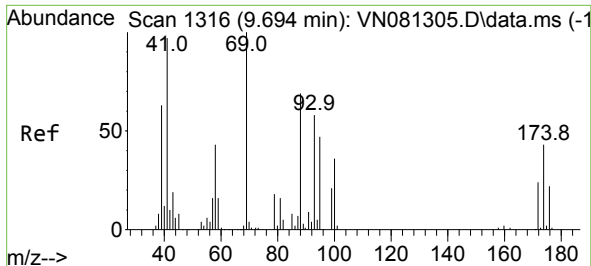
Ion Ratio Lower Upper

117 100

119 4.4 73.4 110.2#

121 0.0 24.4 36.6#





#49

1,4-Dioxane

Concen: 0.619 ug/l

RT: 9.500 min Scan# 1283

Delta R.T. -0.194 min

Lab File: VN081433.D

Acq: 15 Mar 2024 18:29

Instrument :

MSVOA_N

ClientSampleId :

IBLK

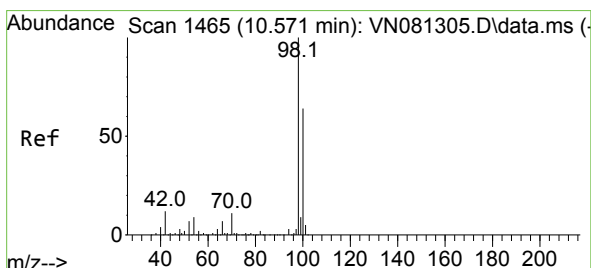
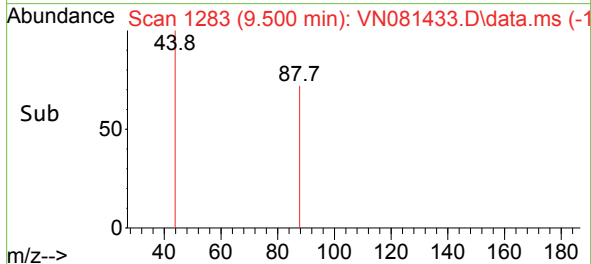
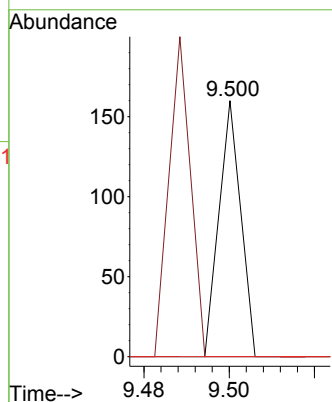
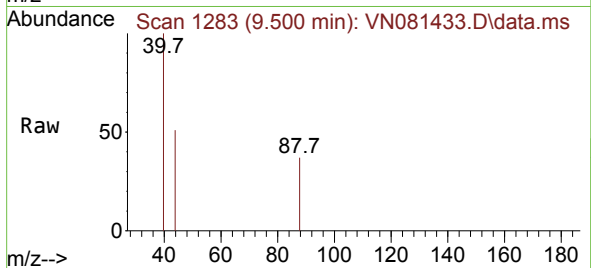
Tgt Ion: 88 Resp: 56

Ion Ratio Lower Upper

88 100

43 126.8 30.1 45.1#

58 0.0 63.9 95.9#



#50

Toluene-d8

Concen: 51.886 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.000 min

Lab File: VN081433.D

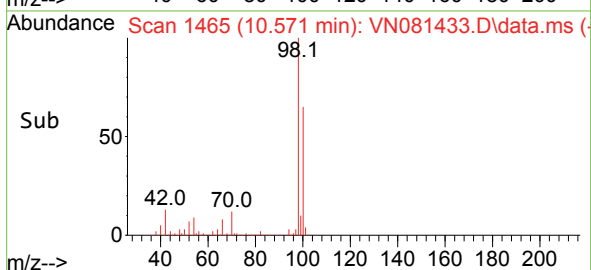
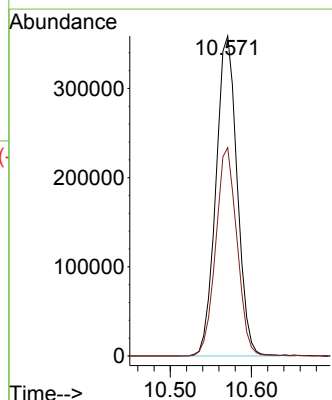
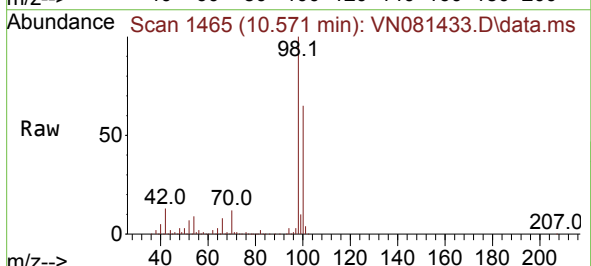
Acq: 15 Mar 2024 18:29

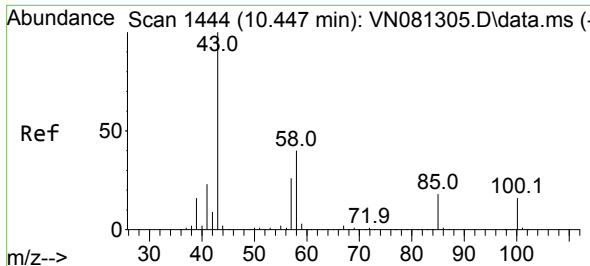
Tgt Ion: 98 Resp: 652235

Ion Ratio Lower Upper

98 100

100 65.2 51.4 77.0

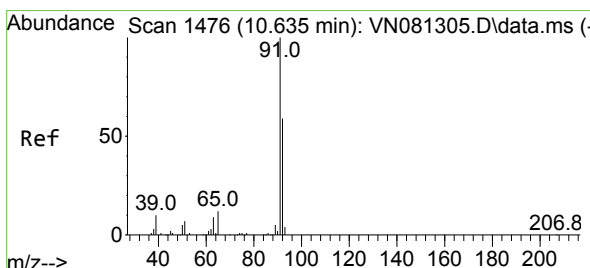
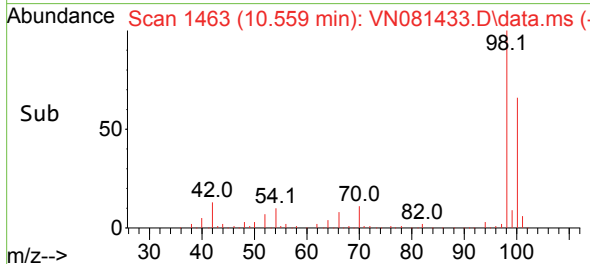
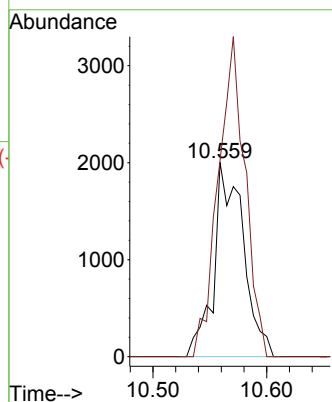
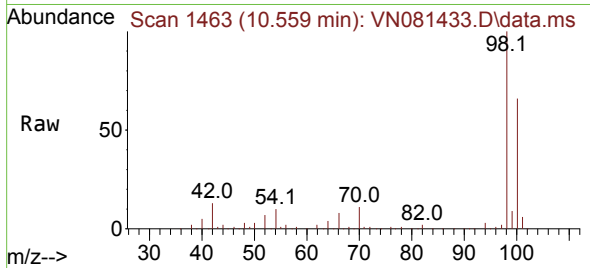




#51
4-Methyl-2-Pentanone
Concen: 0.666 ug/l
RT: 10.559 min Scan# 1444
Delta R.T. 0.112 min
Lab File: VN081433.D
Acq: 15 Mar 2024 18:29

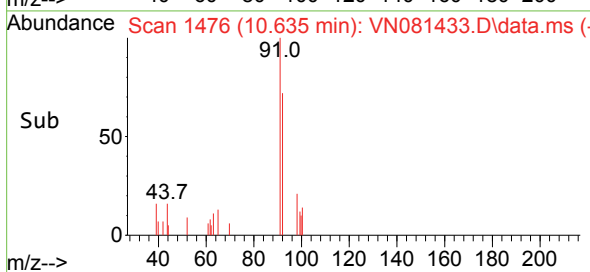
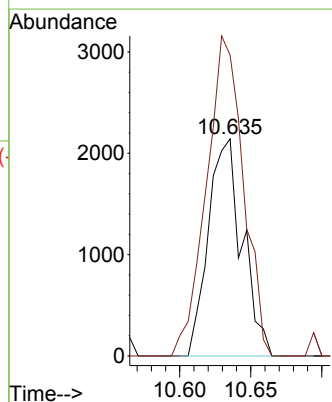
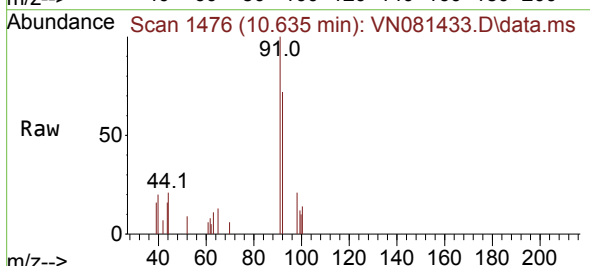
Instrument :
MSVOA_N
ClientSampleId :
IBLK

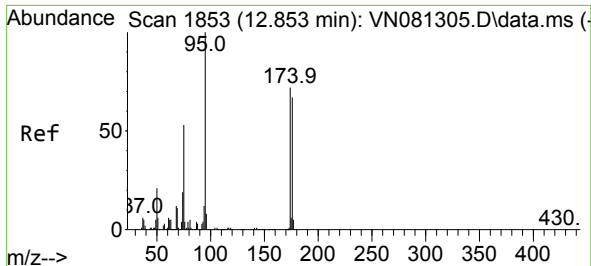
Tgt Ion: 43 Resp: 3591
Ion Ratio Lower Upper
43 100
58 151.3 29.4 44.0#



#52
Toluene
Concen: 0.363 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VN081433.D
Acq: 15 Mar 2024 18:29

Tgt Ion: 92 Resp: 3554
Ion Ratio Lower Upper
92 100
91 160.8 139.4 209.0

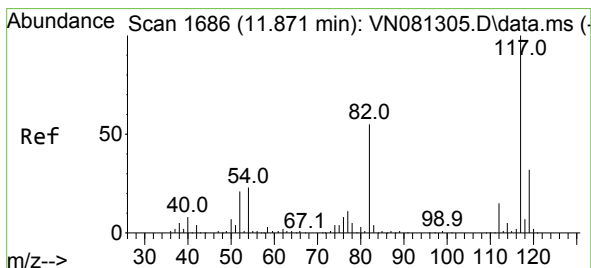
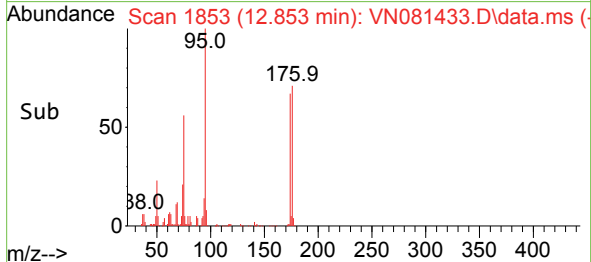
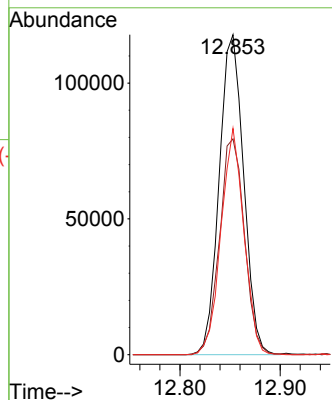
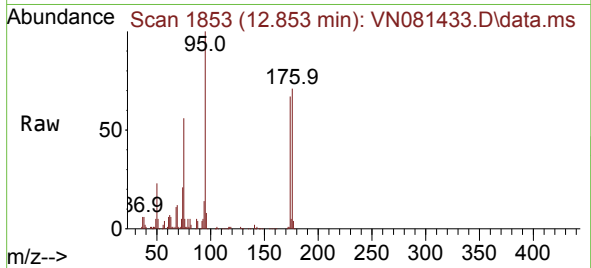




#62
4-Bromofluorobenzene
Concen: 44.846 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN081433.D
Acq: 15 Mar 2024 18:29

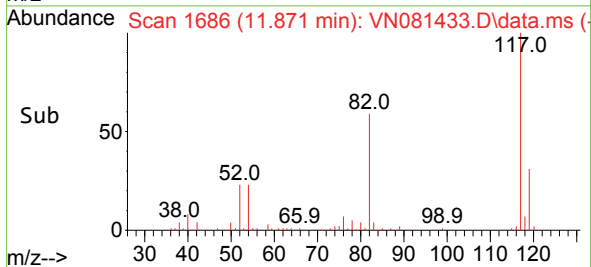
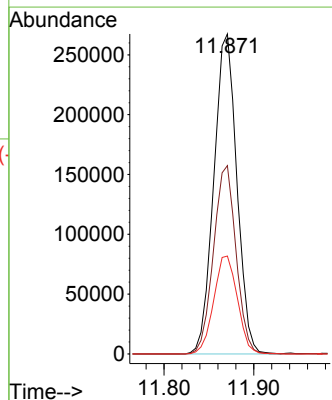
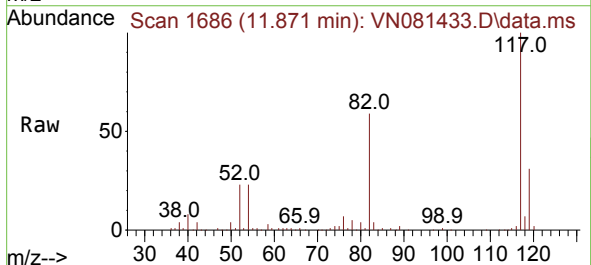
Instrument :
MSVOA_N
ClientSampleId :
IBLK

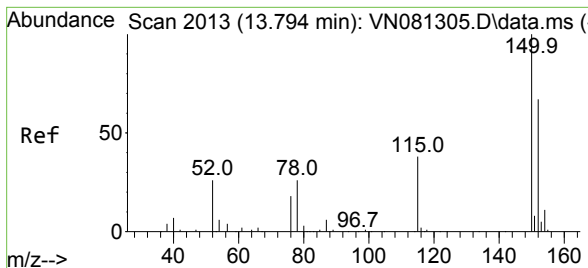
Tgt Ion: 95 Resp: 199248
Ion Ratio Lower Upper
95 100
174 68.8 0.0 120.4
176 66.2 0.0 121.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN081433.D
Acq: 15 Mar 2024 18:29

Tgt Ion: 117 Resp: 476625
Ion Ratio Lower Upper
117 100
82 58.8 52.7 79.1
119 30.6 25.3 37.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 20

Delta R.T. 0.000 min

Lab File: VN081433.D

Acq: 15 Mar 2024 18:29

Instrument :

MSVOA_N

ClientSampleId :

IBLK

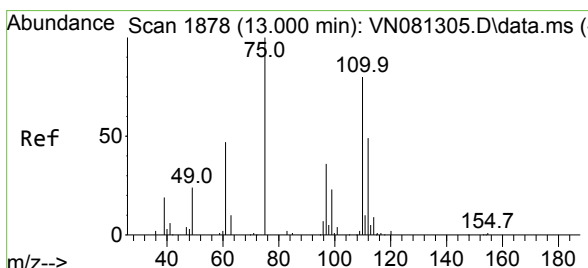
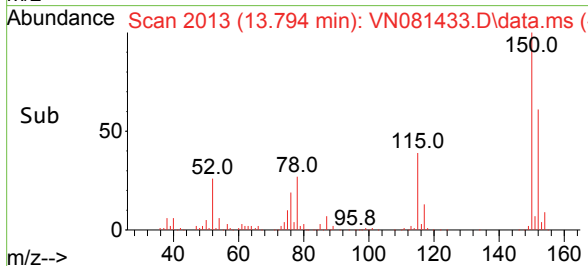
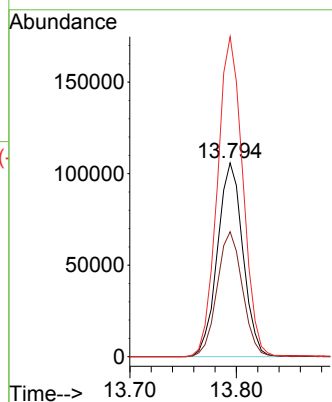
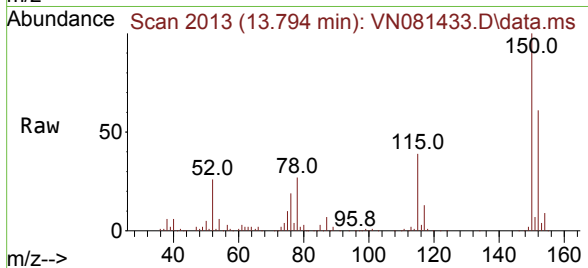
Tgt Ion:152 Resp: 175574

Ion Ratio Lower Upper

152 100

115 64.4 32.3 96.8

150 165.9 0.0 339.8



#76

1,2,3-Trichloropropane

Concen: 27.481 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.147 min

Lab File: VN081433.D

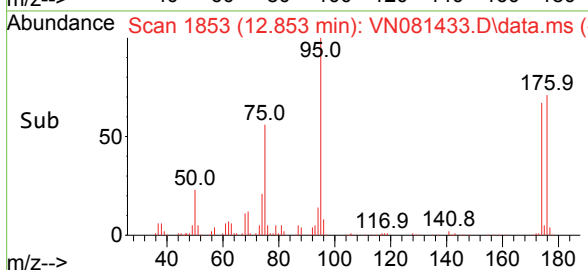
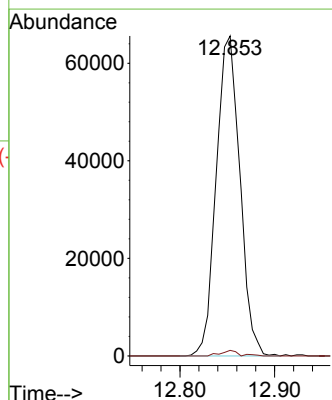
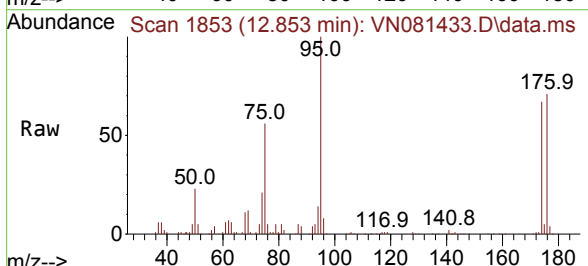
Acq: 15 Mar 2024 18:29

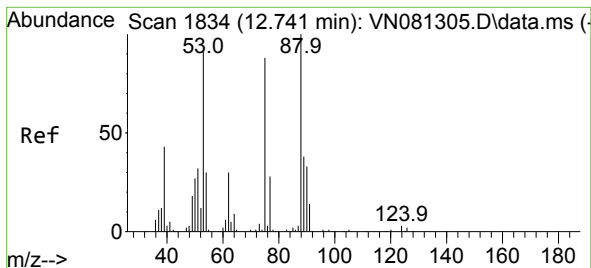
Tgt Ion: 75 Resp: 113964

Ion Ratio Lower Upper

75 100

77 1.3 91.0 272.8#

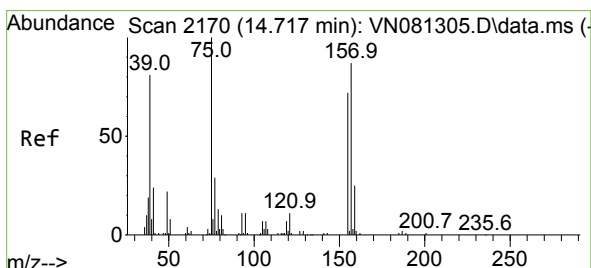
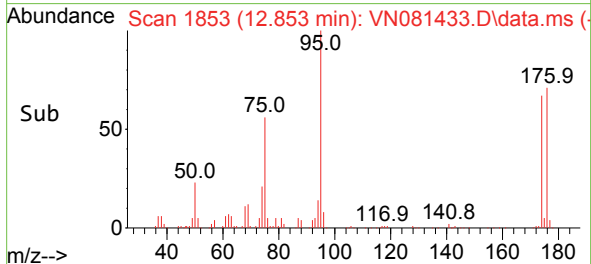
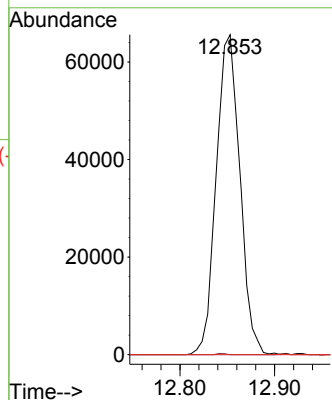
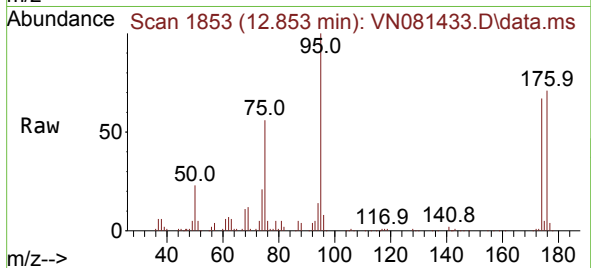




#81
 trans-1,4-Dichloro-2-butene
 Concen: 76.695 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN081433.D
 Acq: 15 Mar 2024 18:29

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Tgt Ion: 75 Resp: 113964
 Ion Ratio Lower Upper
 75 100
 53 0.1 71.4 107.2#
 89 0.0 33.4 50.0#



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.504 ug/l
 RT: 14.982 min Scan# 2215
 Delta R.T. 0.265 min
 Lab File: VN081433.D
 Acq: 15 Mar 2024 18:29

Tgt Ion: 75 Resp: 472
 Ion Ratio Lower Upper
 75 100
 155 0.0 31.8 95.4#
 157 0.0 41.1 123.4#

