

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061324\
 Data File : VN082551.D
 Acq On : 13 Jun 2024 11:54
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Jun 14 02:26:08 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051524W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 16 05:21:06 2024
 Response via : Initial Calibration

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

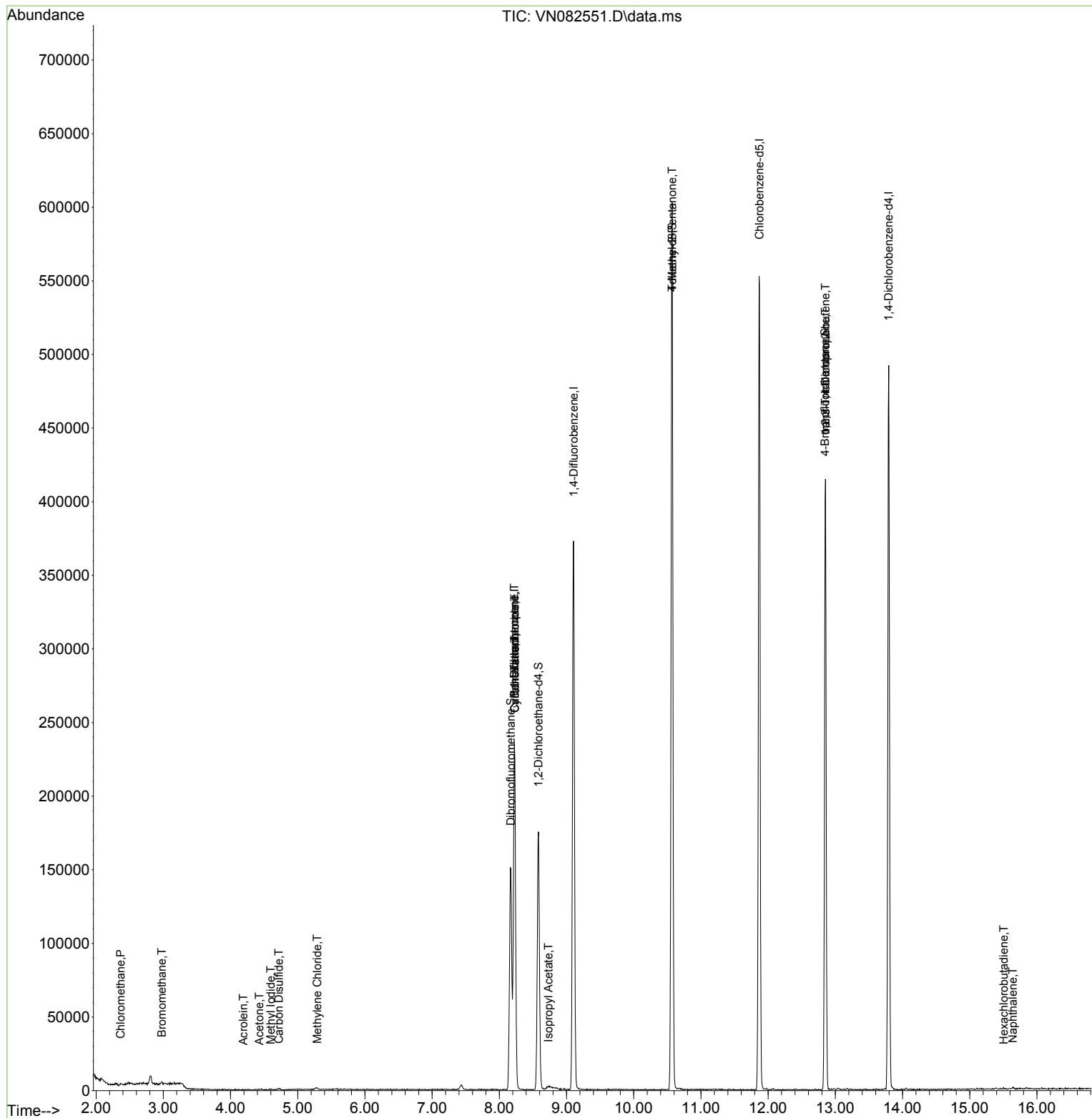
Internal Standards						
1) Pentafluorobenzene	8.224	168	164820	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	300154	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	297413	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	126328	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	143509	55.142	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 110.280%		
35) Dibromofluoromethane	8.171	113	106688	57.781	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 115.560%		
50) Toluene-d8	10.571	98	395452	55.863	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 111.720%		
62) 4-Bromofluorobenzene	12.847	95	131619	52.092	ug/l	0.00
Spiked Amount	50.000	Range 64 - 133	Recovery	= 104.180%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	619	0.230	ug/l #	58
5) Bromomethane	2.977	94	892	0.613	ug/l	97
10) Methyl Iodide	4.601	142	864	0.444	ug/l #	86
13) Acrolein	4.189	56	206	0.665	ug/l #	15
16) Acetone	4.430	43	311	0.291	ug/l #	43
17) Carbon Disulfide	4.718	76	1671	0.287	ug/l #	74
20) Methylene Chloride	5.289	84	907	0.421	ug/l #	59
31) Cyclohexane	8.230	56	4639	1.116	ug/l #	37
36) 1,1-Dichloropropene	8.224	75	15028	4.853	ug/l #	49
38) Carbon Tetrachloride	8.230	117	17492	5.572	ug/l #	18
43) Isopropyl Acetate	8.730	43	2210	0.360	ug/l #	52
51) 4-Methyl-2-Pentanone	10.571	43	2107	0.604	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	75631	28.444	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	75631	66.530	ug/l #	12
94) Hexachlorobutadiene	15.506	225	237	0.235	ug/l #	41
95) Naphthalene	15.641	128	1625	0.226	ug/l #	69

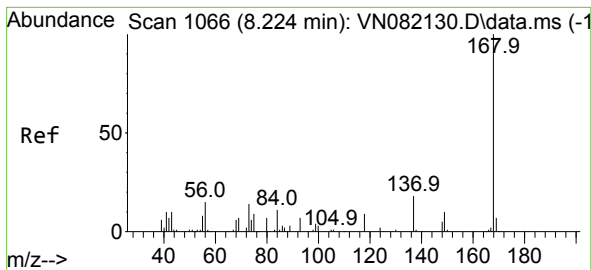
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051524W.M
Quant Title : SW846 8260
QLast Update : Thu May 16 05:21:06 2024
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.224 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN082551.D

Acq: 13 Jun 2024 11:54

Instrument :

MSVOA_N

ClientSampleId :

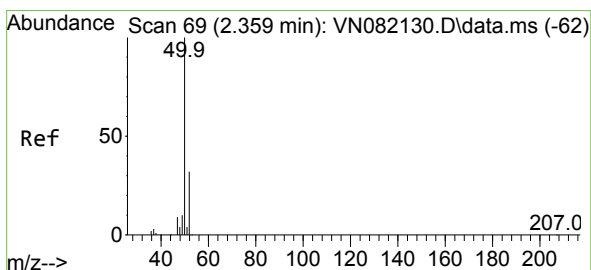
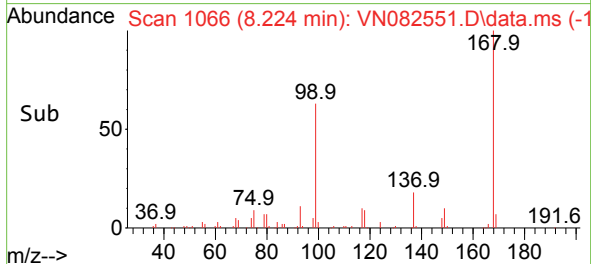
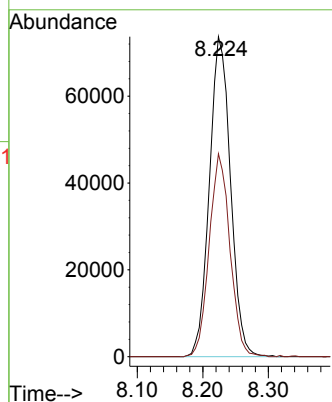
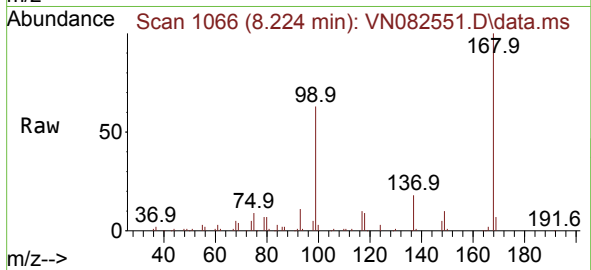
IBLK

Tgt Ion:168 Resp: 164820

Ion Ratio Lower Upper

168 100

99 63.4 48.2 72.4



#3

Chloromethane

Concen: 0.230 ug/l

RT: 2.365 min Scan# 70

Delta R.T. 0.006 min

Lab File: VN082551.D

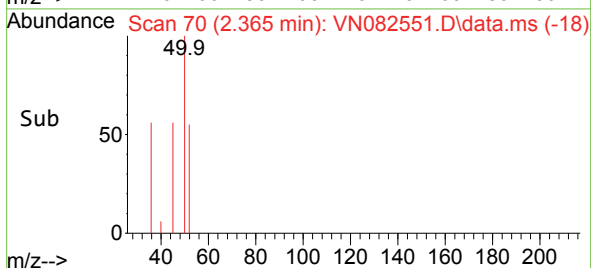
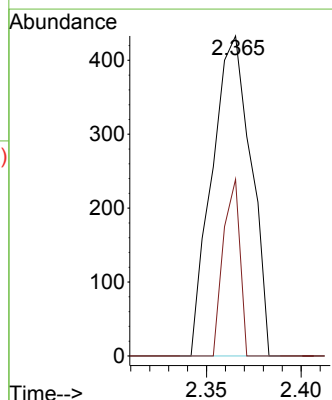
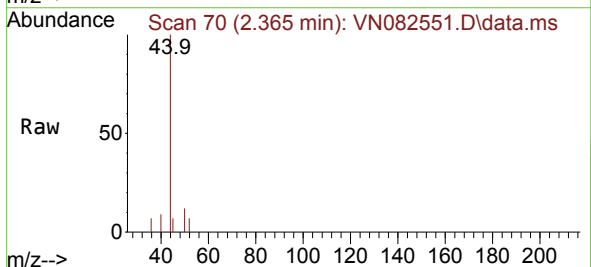
Acq: 13 Jun 2024 11:54

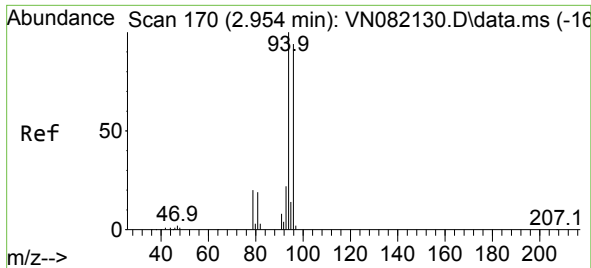
Tgt Ion: 50 Resp: 619

Ion Ratio Lower Upper

50 100

52 55.2 25.5 38.3#

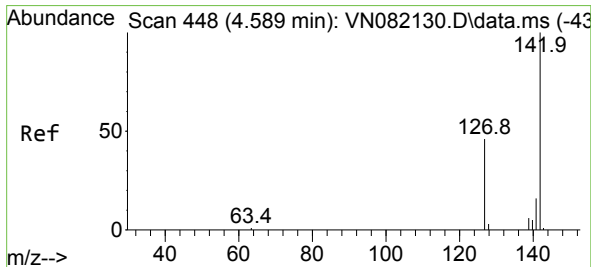
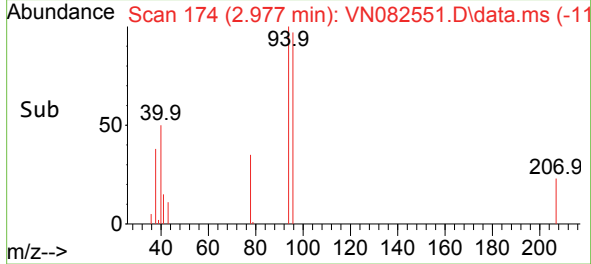
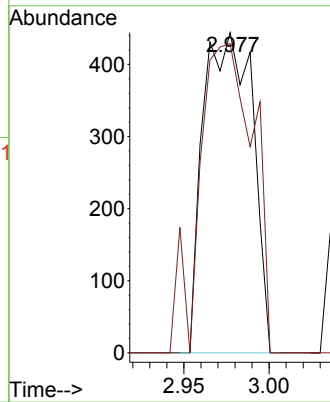
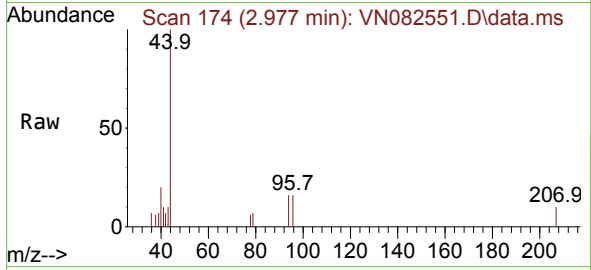




#5
Bromomethane
Concen: 0.613 ug/l
RT: 2.977 min Scan# 11
Delta R.T. 0.024 min
Lab File: VN082551.D
Acq: 13 Jun 2024 11:54

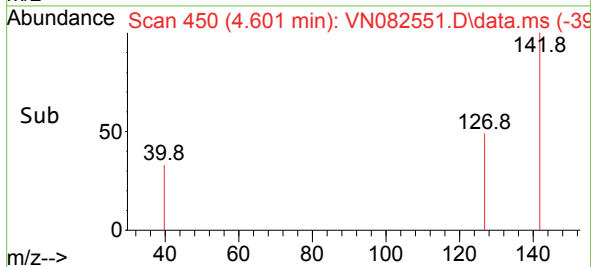
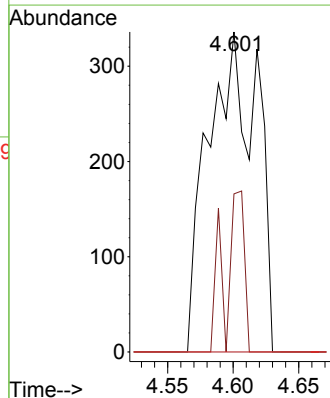
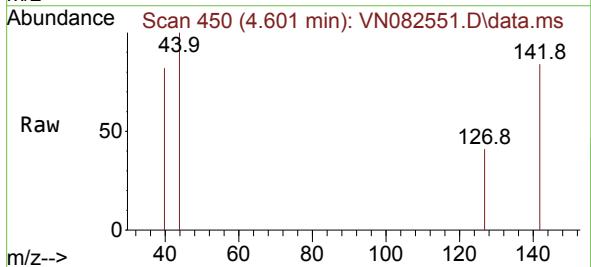
Instrument :
MSVOA_N
ClientSampleId :
IBLK

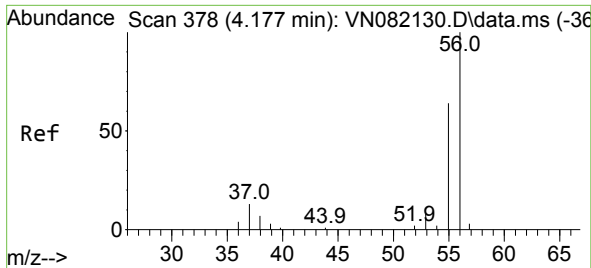
Tgt Ion: 94 Resp: 892
Ion Ratio Lower Upper
94 100
96 96.6 74.8 112.2



#10
Methyl Iodide
Concen: 0.444 ug/l
RT: 4.601 min Scan# 450
Delta R.T. 0.012 min
Lab File: VN082551.D
Acq: 13 Jun 2024 11:54

Tgt Ion: 142 Resp: 864
Ion Ratio Lower Upper
142 100
127 49.4 35.8 53.6
141 0.0 11.4 17.2#

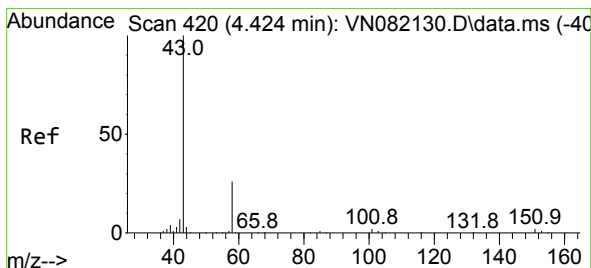
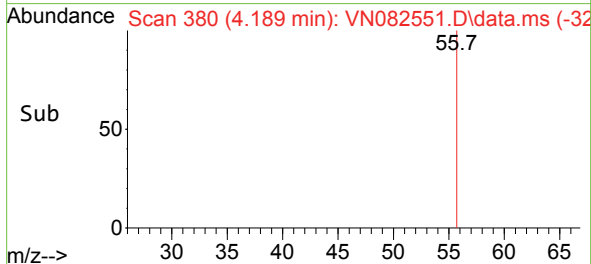
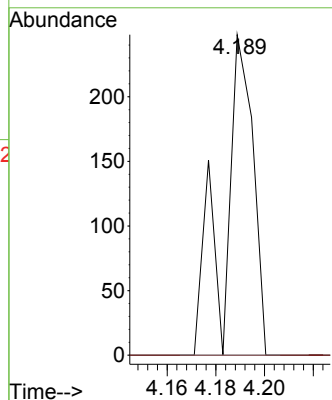
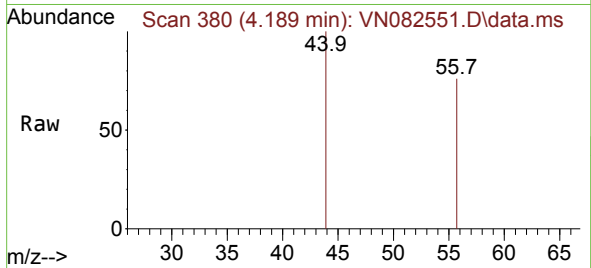




#13
Acrolein
Concen: 0.665 ug/l
RT: 4.189 min Scan# 378
Delta R.T. 0.012 min
Lab File: VN082551.D
Acq: 13 Jun 2024 11:54

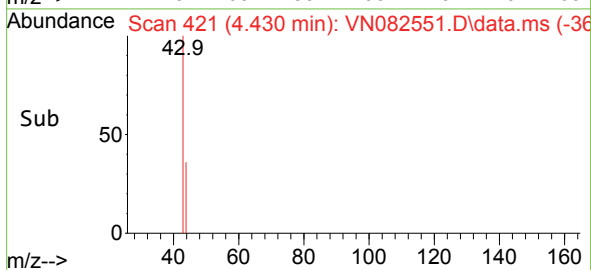
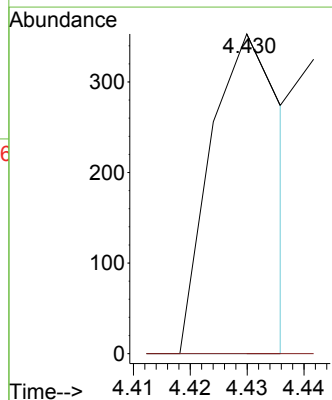
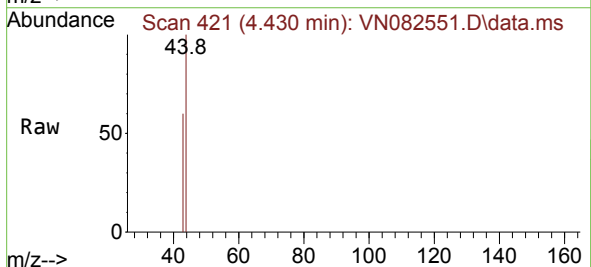
Instrument :
MSVOA_N
ClientSampleId :
IBLK

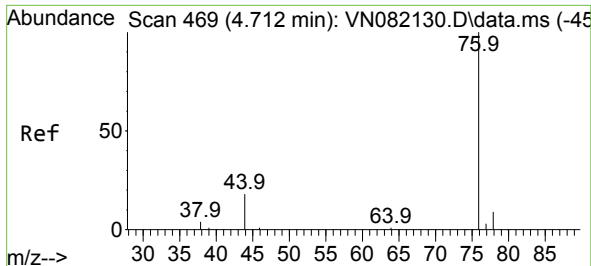
Tgt Ion: 56 Resp: 206
Ion Ratio Lower Upper
56 100
55 0.0 55.8 83.8#



#16
Acetone
Concen: 0.291 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN082551.D
Acq: 13 Jun 2024 11:54

Tgt Ion: 43 Resp: 311
Ion Ratio Lower Upper
43 100
58 0.0 25.2 37.8#

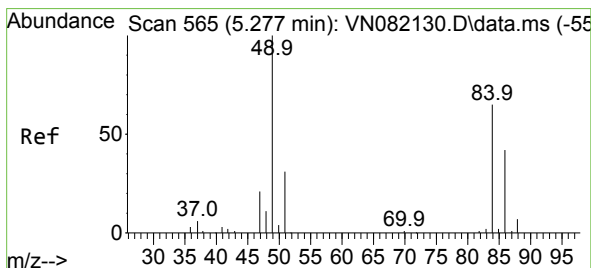
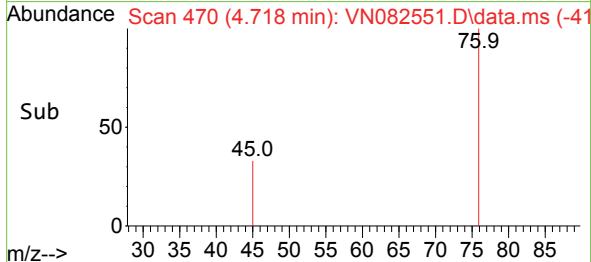
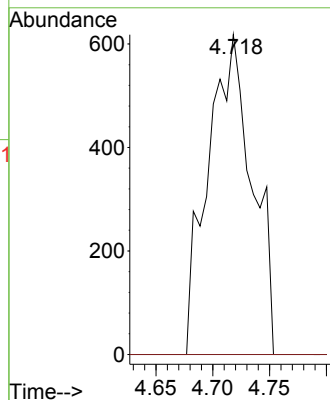
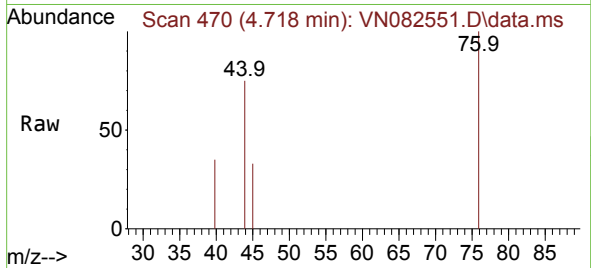




#17
Carbon Disulfide
Concen: 0.287 ug/l
RT: 4.718 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN082551.D
Acq: 13 Jun 2024 11:54

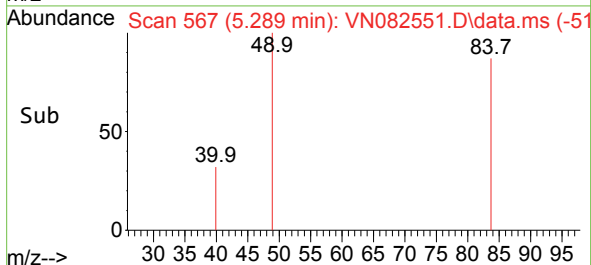
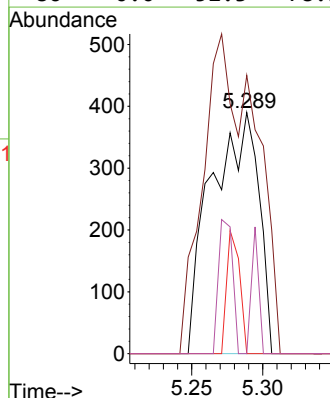
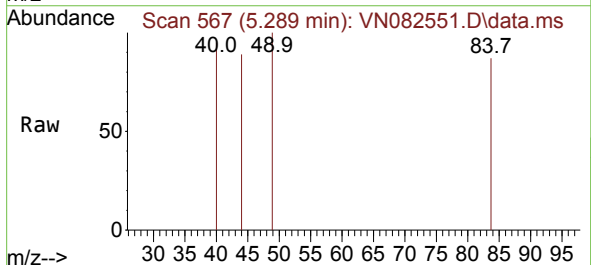
Instrument :
MSVOA_N
ClientSampleId :
IBLK

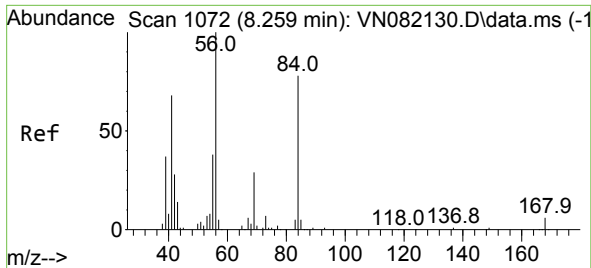
Tgt Ion: 76 Resp: 1671
Ion Ratio Lower Upper
76 100
78 0.0 7.5 11.3#



#20
Methylene Chloride
Concen: 0.421 ug/l
RT: 5.289 min Scan# 567
Delta R.T. 0.012 min
Lab File: VN082551.D
Acq: 13 Jun 2024 11:54

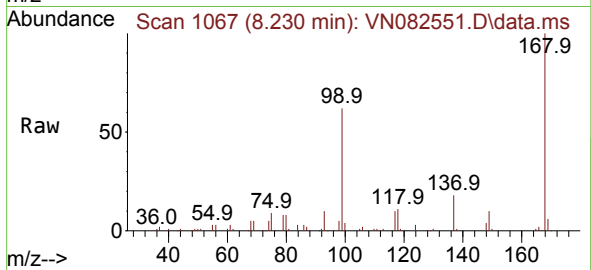
Tgt Ion: 84 Resp: 907
Ion Ratio Lower Upper
84 100
49 115.4 84.9 127.3
51 0.0 27.0 40.6#
86 0.0 52.3 78.5#



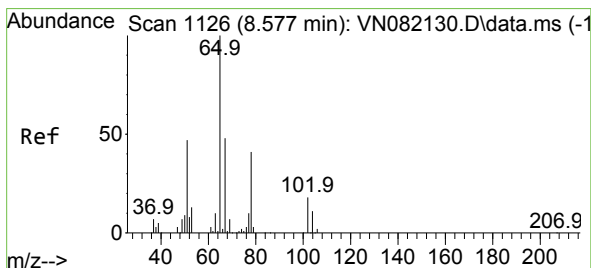
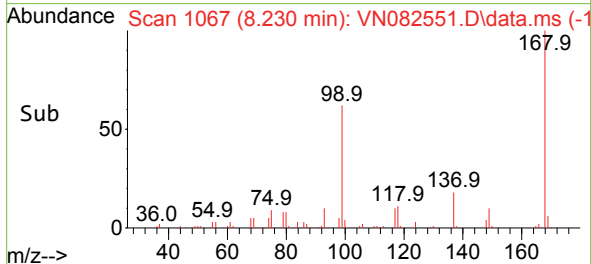
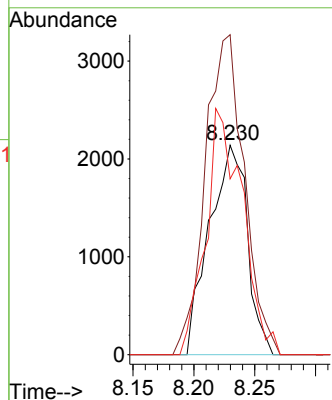


#31
Cyclohexane
Concen: 1.116 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.029 min
Lab File: VN082551.D
Acq: 13 Jun 2024 11:54

Instrument :
MSVOA_N
ClientSampleId :
IBLK

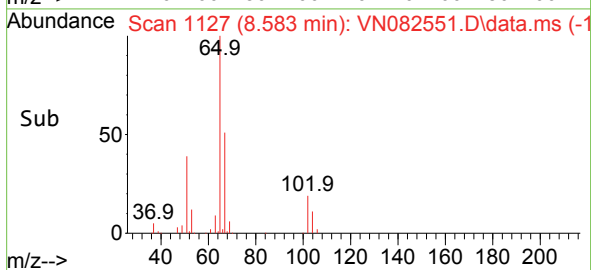
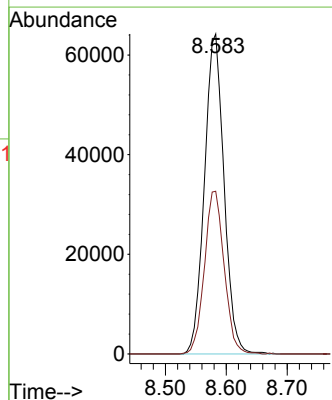
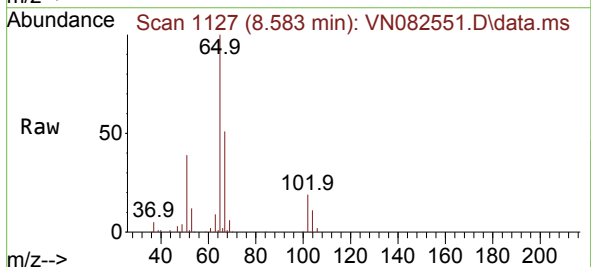


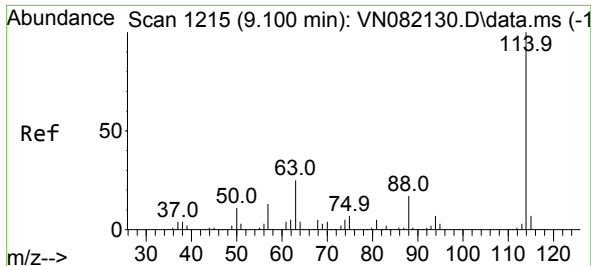
Tgt Ion: 56 Resp: 4639
Ion Ratio Lower Upper
56 100
69 152.7 24.4 36.6#
84 83.9 77.0 115.4



#33
1,2-Dichloroethane-d4
Concen: 55.142 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN082551.D
Acq: 13 Jun 2024 11:54

Tgt Ion: 65 Resp: 143509
Ion Ratio Lower Upper
65 100
67 51.3 0.0 103.0

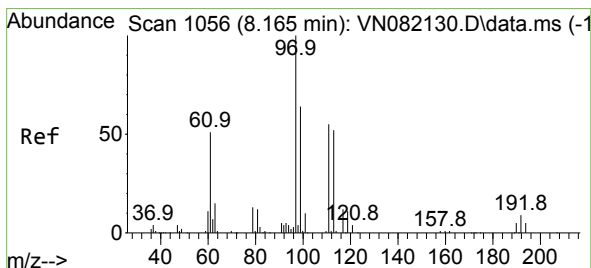
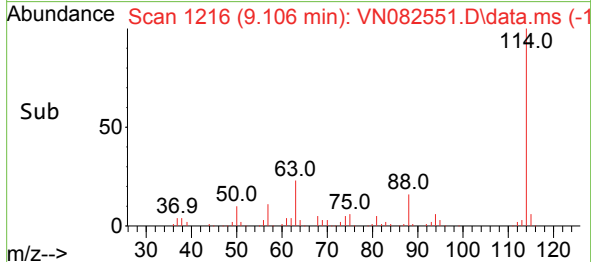
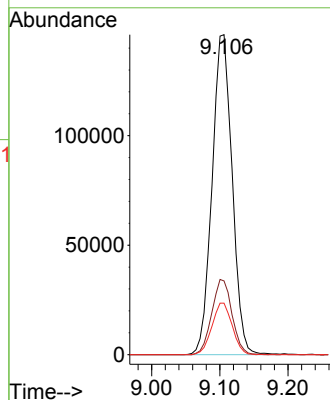
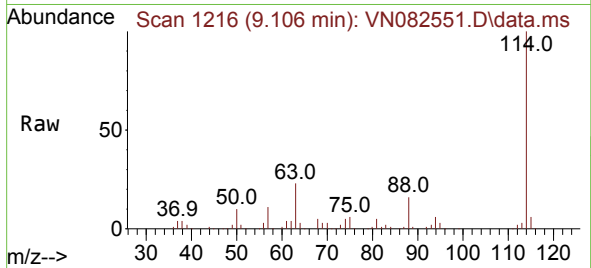




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN082551.D
Acq: 13 Jun 2024 11:54

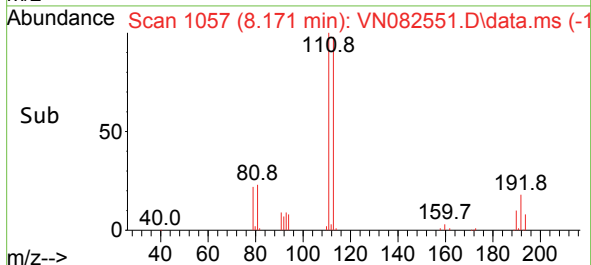
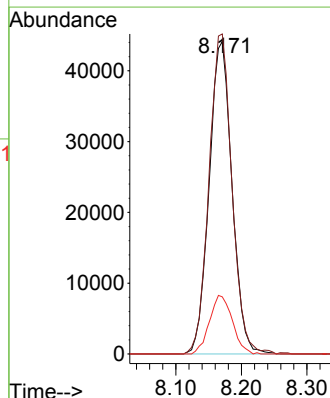
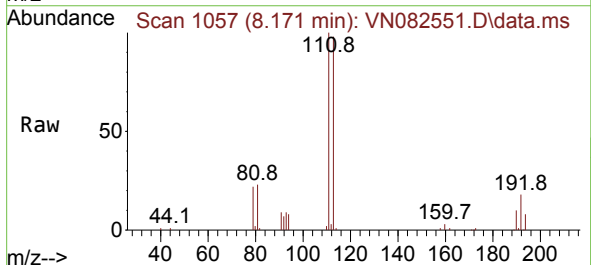
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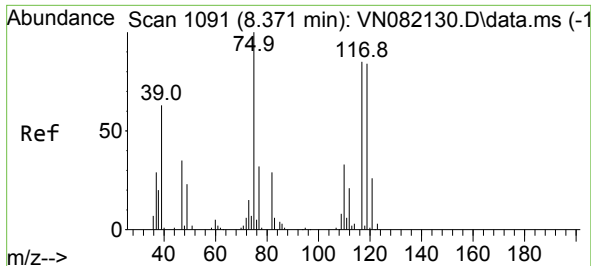
Tgt Ion:114 Resp: 300154
Ion Ratio Lower Upper
114 100
63 23.0 0.0 41.0
88 16.1 0.0 31.4



#35
Dibromofluoromethane
Concen: 57.781 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VN082551.D
Acq: 13 Jun 2024 11:54

Tgt Ion:113 Resp: 106688
Ion Ratio Lower Upper
113 100
111 102.9 83.4 125.2
192 18.8 14.0 21.0





#36

1,1-Dichloropropene

Concen: 4.853 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

Lab File: VN082551.D

Acq: 13 Jun 2024 11:54

Instrument :

MSVOA_N

ClientSampleId :

IBLK

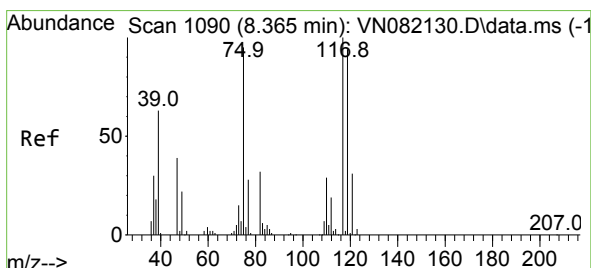
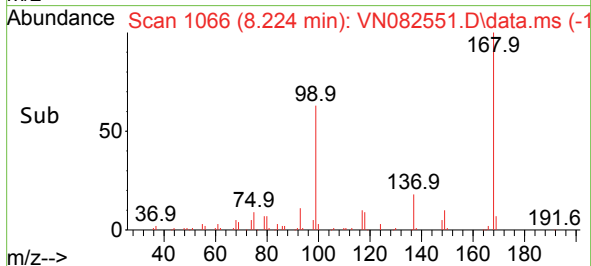
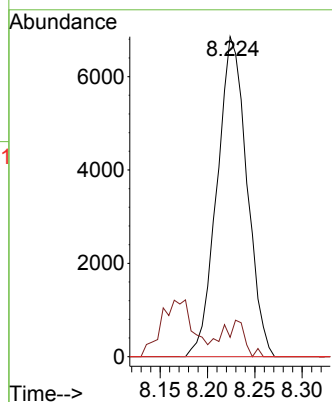
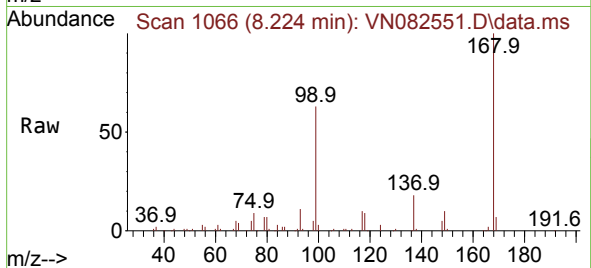
Tgt Ion: 75 Resp: 15028

Ion Ratio Lower Upper

75 100

110 8.8 17.8 53.5#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 5.572 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.135 min

Lab File: VN082551.D

Acq: 13 Jun 2024 11:54

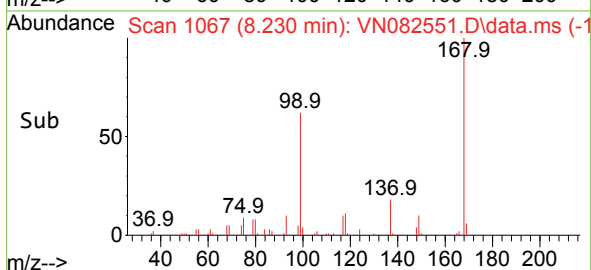
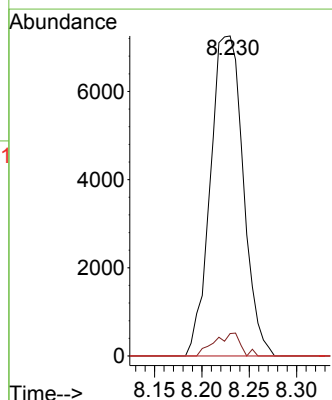
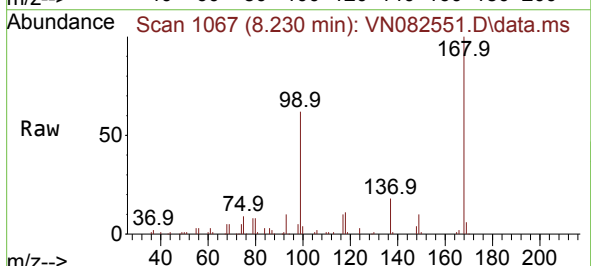
Tgt Ion: 117 Resp: 17492

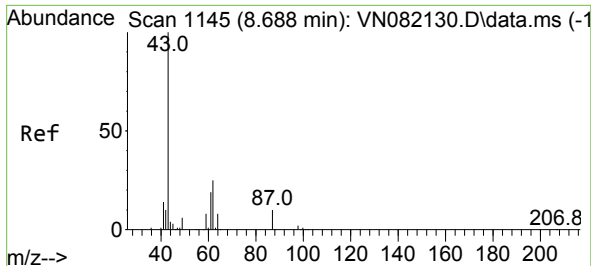
Ion Ratio Lower Upper

117 100

119 7.0 76.5 114.7#

121 0.0 23.9 35.9#

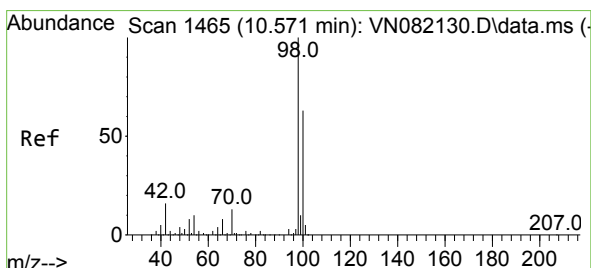
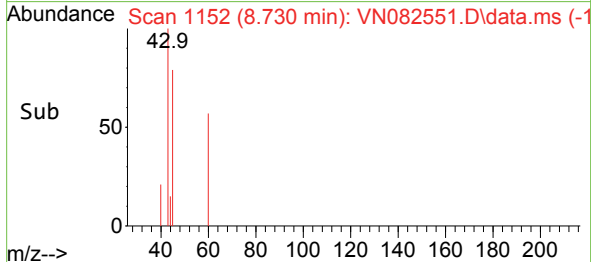
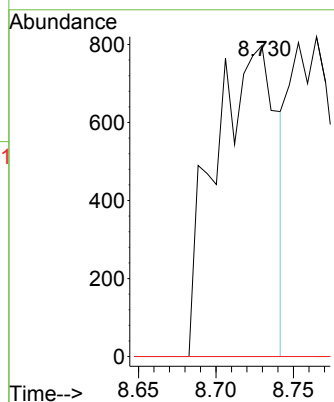
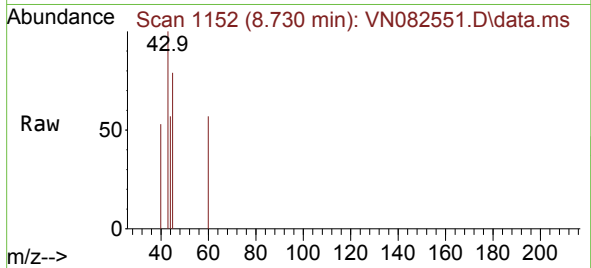




#43
Isopropyl Acetate
Concen: 0.360 ug/l
RT: 8.730 min Scan# 1145
Delta R.T. 0.041 min
Lab File: VN082551.D
Acq: 13 Jun 2024 11:54

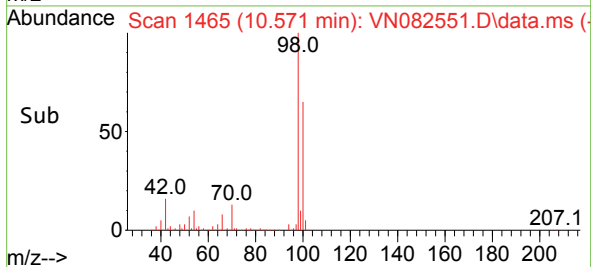
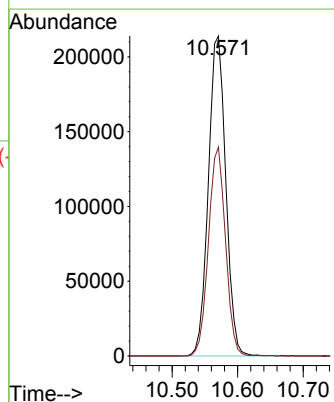
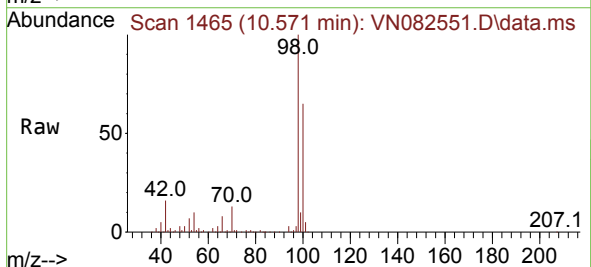
Instrument :
MSVOA_N
ClientSampleId :
IBLK

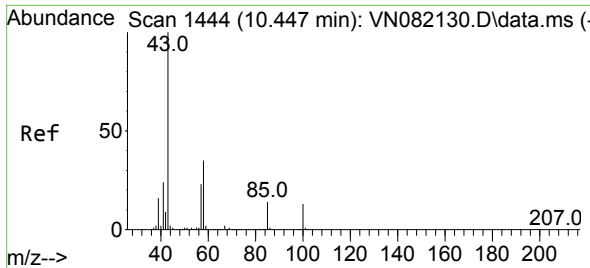
Tgt Ion: 43 Resp: 2210
Ion Ratio Lower Upper
43 100
61 0.0 22.8 34.2#
87 0.0 12.0 18.0#



#50
Toluene-d8
Concen: 55.863 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN082551.D
Acq: 13 Jun 2024 11:54

Tgt Ion: 98 Resp: 395452
Ion Ratio Lower Upper
98 100
100 63.9 51.8 77.6

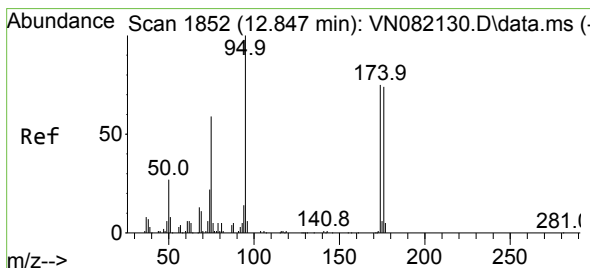
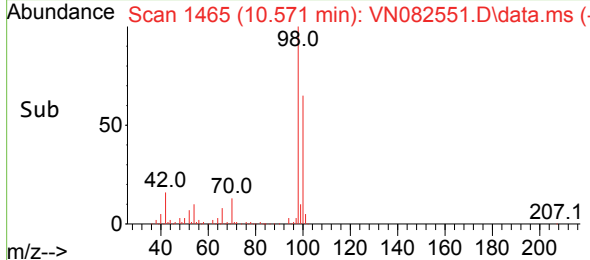
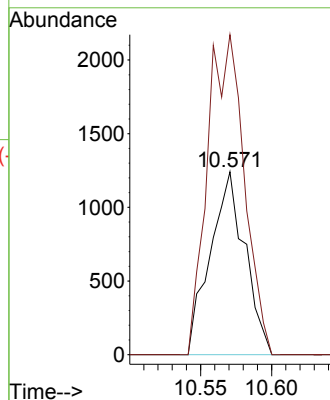
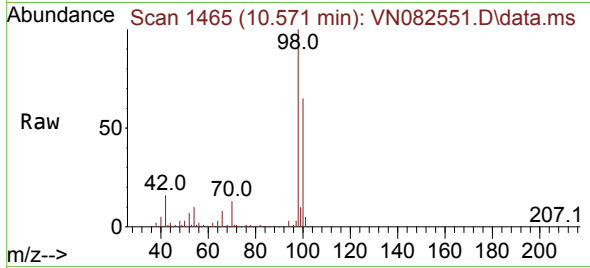




#51
4-Methyl-2-Pentanone
Concen: 0.604 ug/l
RT: 10.571 min Scan# 1444
Delta R.T. 0.124 min
Lab File: VN082551.D
Acq: 13 Jun 2024 11:54

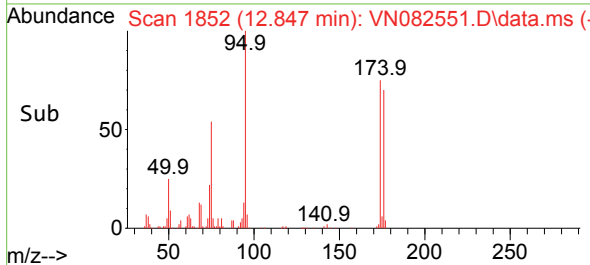
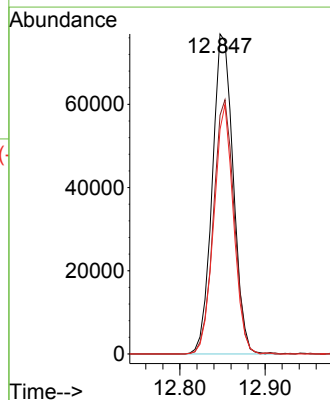
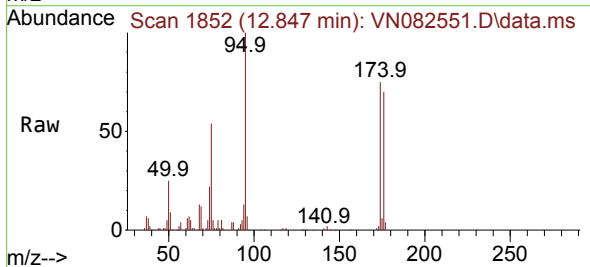
Instrument :
MSVOA_N
ClientSampleId :
IBLK

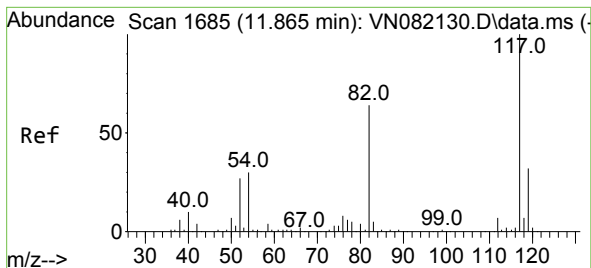
Tgt Ion: 43 Resp: 2107
Ion Ratio Lower Upper
43 100
58 186.0 33.2 49.8#



#62
4-Bromofluorobenzene
Concen: 52.092 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN082551.D
Acq: 13 Jun 2024 11:54

Tgt Ion: 95 Resp: 131619
Ion Ratio Lower Upper
95 100
174 78.7 0.0 160.6
176 73.4 0.0 152.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.871 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN082551.D

Acq: 13 Jun 2024 11:54

Instrument :

MSVOA_N

ClientSampleId :

IBLK

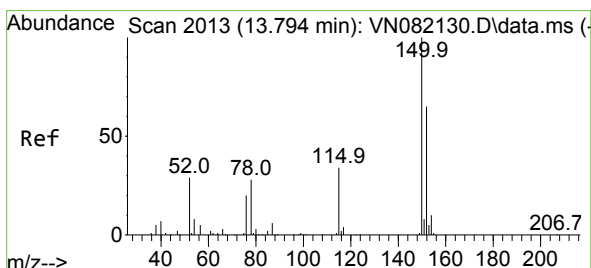
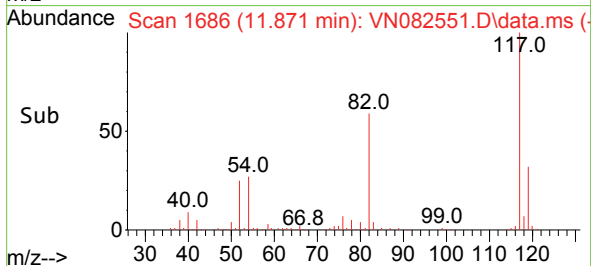
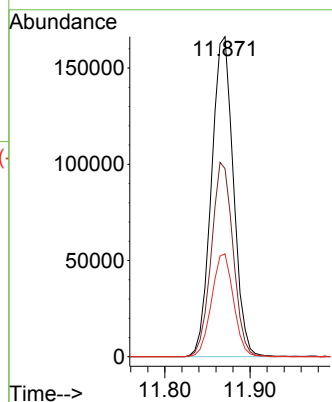
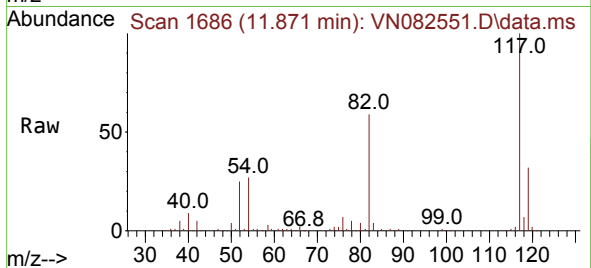
Tgt Ion:117 Resp: 297413

Ion Ratio Lower Upper

117 100

82 58.8 44.6 66.8

119 32.1 25.9 38.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. 0.000 min

Lab File: VN082551.D

Acq: 13 Jun 2024 11:54

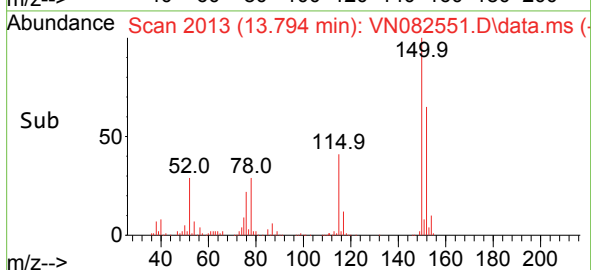
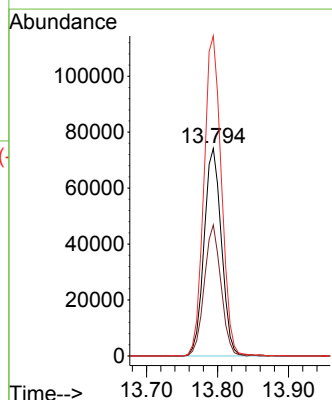
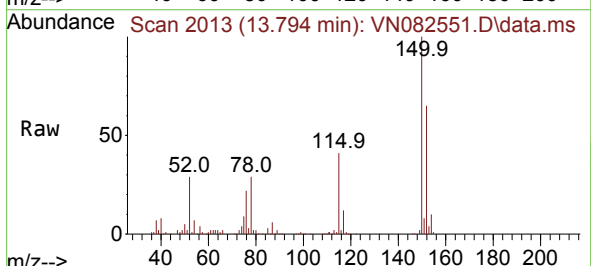
Tgt Ion:152 Resp: 126328

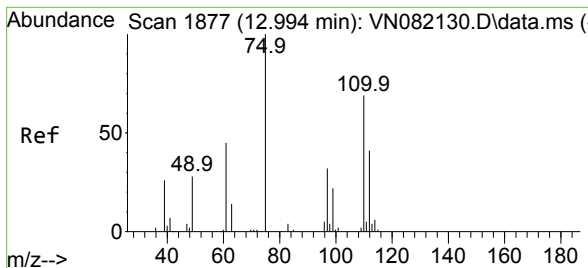
Ion Ratio Lower Upper

152 100

115 60.7 30.4 91.3

150 155.0 0.0 353.2





#76

1,2,3-Trichloropropane

Concen: 28.444 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN082551.D

Acq: 13 Jun 2024 11:54

Instrument :

MSVOA_N

ClientSampleId :

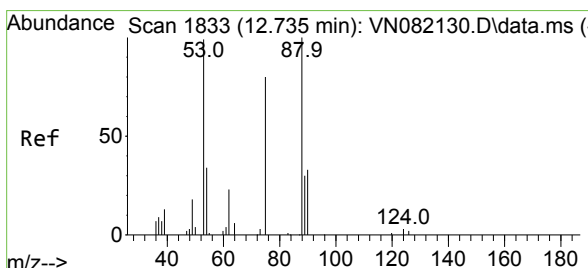
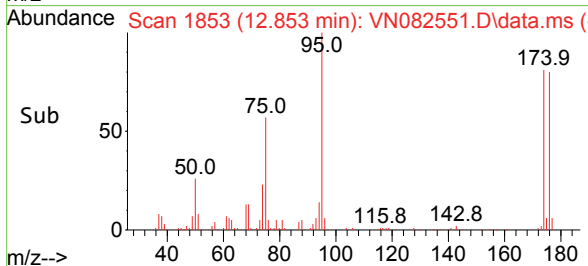
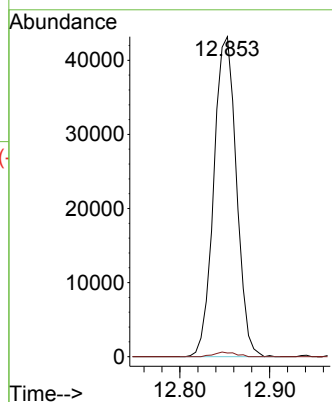
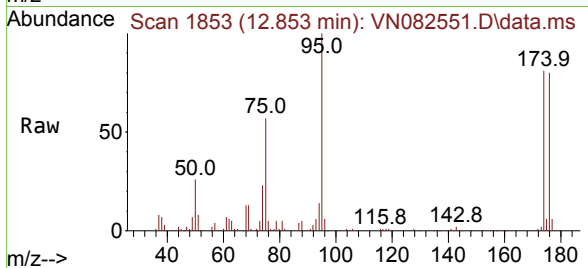
IBLK

Tgt Ion: 75 Resp: 75631

Ion Ratio Lower Upper

75 100

77 1.4 90.5 271.3#



#81

trans-1,4-Dichloro-2-butene

Concen: 66.530 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.118 min

Lab File: VN082551.D

Acq: 13 Jun 2024 11:54

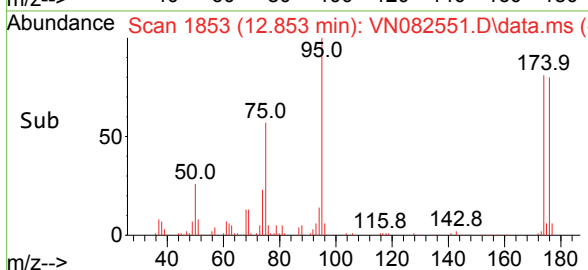
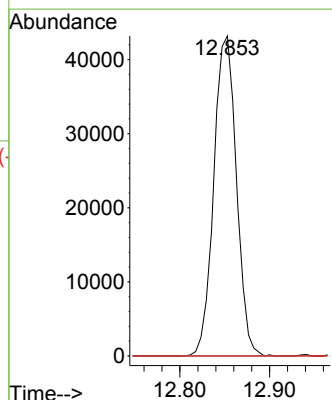
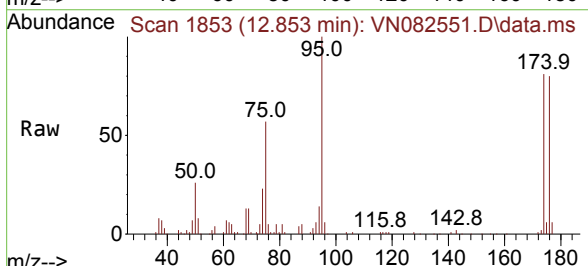
Tgt Ion: 75 Resp: 75631

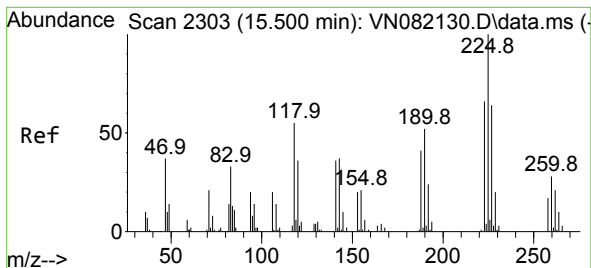
Ion Ratio Lower Upper

75 100

53 0.0 72.9 109.3#

89 0.0 39.1 58.7#





#94

Hexachlorobutadiene

Concen: 0.235 ug/l

RT: 15.506 min Scan# 21

Delta R.T. 0.006 min

Lab File: VN082551.D

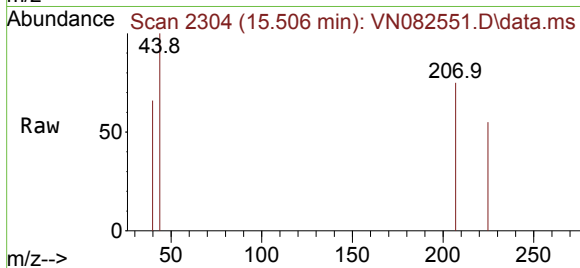
Acq: 13 Jun 2024 11:54

Instrument :

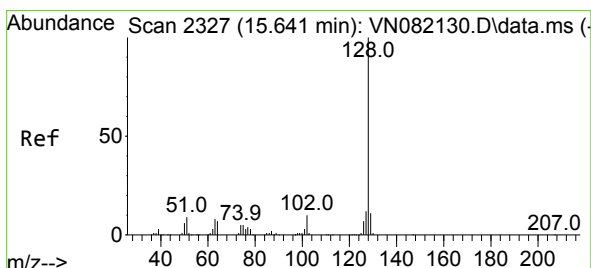
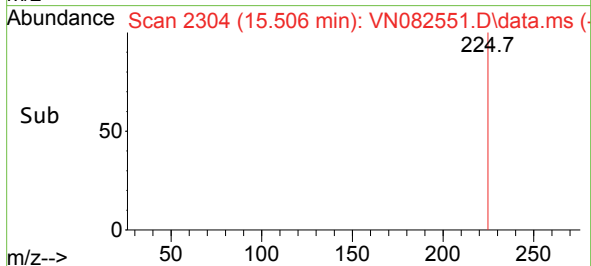
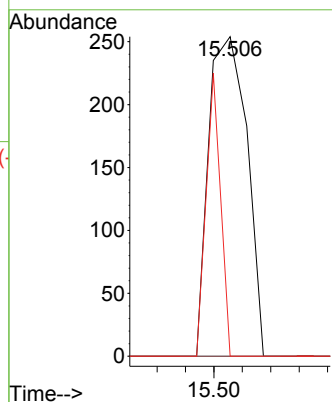
MSVOA_N

ClientSampleId :

IBLK



Tgt Ion:	225	Resp:	237
Ion	Ratio	Lower	Upper
225	100		
223	0.0	31.1	93.2#
227	33.3	30.6	91.6



#95

Naphthalene

Concen: 0.226 ug/l

RT: 15.641 min Scan# 2327

Delta R.T. 0.000 min

Lab File: VN082551.D

Acq: 13 Jun 2024 11:54

Tgt Ion:	128	Resp:	1625
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.1	15.1#
129	0.0	8.9	13.3#

