

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051624\
 Data File : VN082154.D
 Acq On : 16 May 2024 12:08
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: May 17 05:01:56 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051524W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 04:08:43 2024
 Response via : Initial Calibration

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

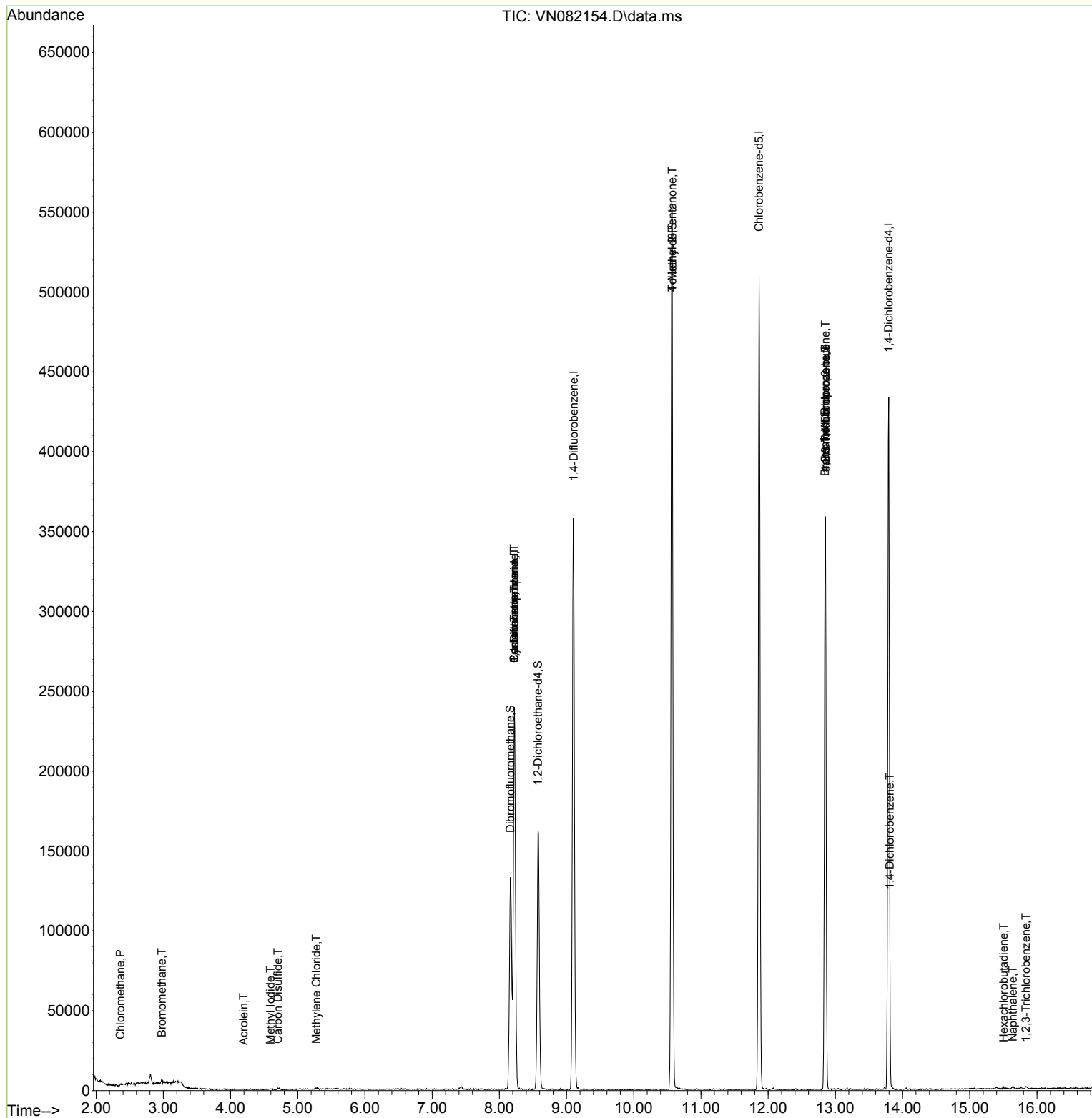
Internal Standards						
1) Pentafluorobenzene	8.224	168	164224	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	287031	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	261389	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	106603	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	133553	51.502	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	=	103.000%	
35) Dibromofluoromethane	8.165	113	92330	52.291	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	=	104.580%	
50) Toluene-d8	10.571	98	363101	53.638	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	=	107.280%	
62) 4-Bromofluorobenzene	12.853	95	118954	49.232	ug/l	0.00
Spiked Amount	50.000	Range 64 - 133	Recovery	=	98.460%	
Target Compounds						
						Qvalue
3) Chloromethane	2.359	50	568	0.212	ug/l	97
5) Bromomethane	2.977	94	844	0.582	ug/l	99
10) Methyl Iodide	4.595	142	763	0.393	ug/l #	78
13) Acrolein	4.195	56	89	0.289	ug/l	89
17) Carbon Disulfide	4.706	76	1662	0.287	ug/l #	74
20) Methylene Chloride	5.277	84	615	0.287	ug/l #	46
31) Cyclohexane	8.224	56	4870	1.176	ug/l #	19
36) 1,1-Dichloropropene	8.224	75	15388	5.196	ug/l #	50
38) Carbon Tetrachloride	8.224	117	17602	5.864	ug/l #	17
51) 4-Methyl-2-Pentanone	10.571	43	2205	0.661	ug/l #	1
71) Bromoform	12.847	173	549	0.402	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	70828	31.567	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	70828	73.834	ug/l #	12
88) 1,4-Dichlorobenzene	13.812	146	822	0.220	ug/l #	26
94) Hexachlorobutadiene	15.506	225	201	0.236	ug/l	66
95) Naphthalene	15.641	128	2097	0.345	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.835	180	719	0.370	ug/l #	87

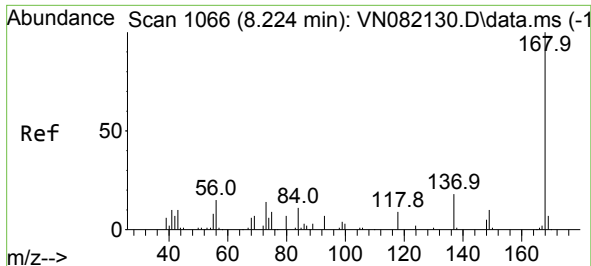
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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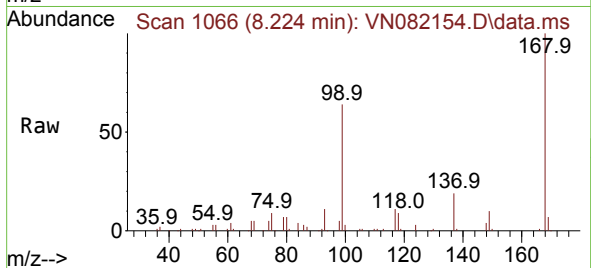
Quant Time: May 17 05:01:56 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051524W.M
Quant Title : SW846 8260
QLast Update : Fri May 17 04:08:43 2024
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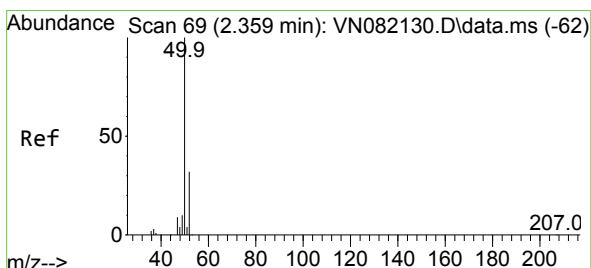
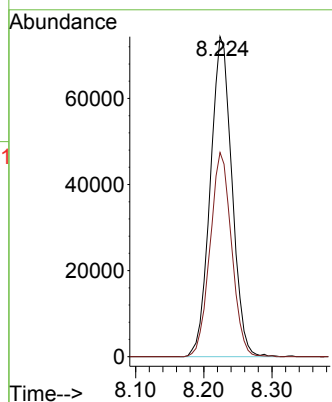
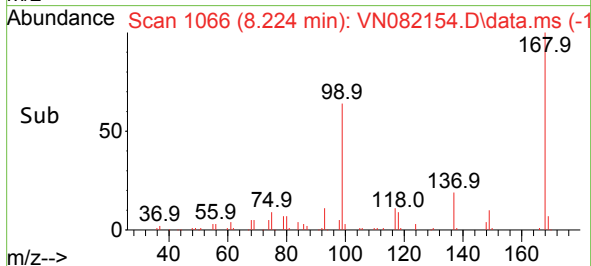


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN082154.D
Acq: 16 May 2024 12:08

Instrument :
MSVOA_N
ClientSampleId :
IBLK

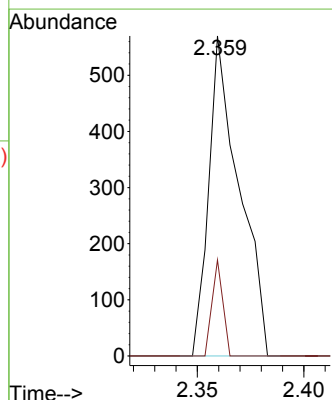
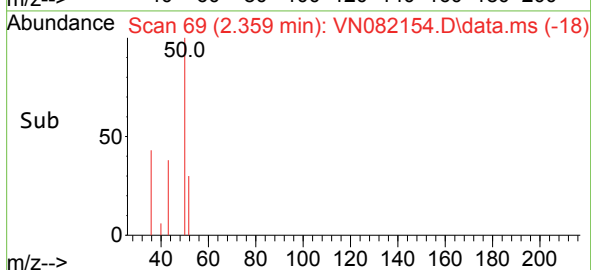
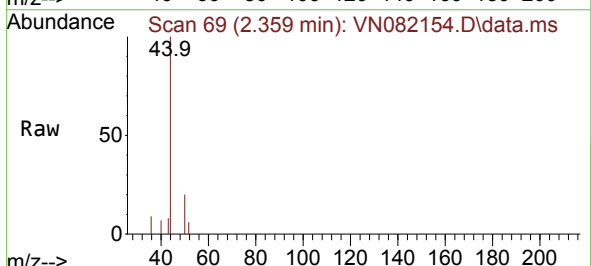


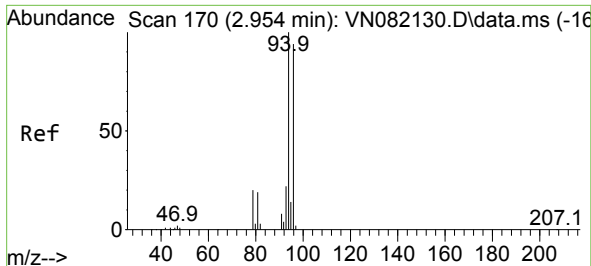
Tgt Ion:168 Resp: 164224
Ion Ratio Lower Upper
168 100
99 63.8 48.2 72.4



#3
Chloromethane
Concen: 0.212 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN082154.D
Acq: 16 May 2024 12:08

Tgt Ion: 50 Resp: 568
Ion Ratio Lower Upper
50 100
52 30.0 25.5 38.3

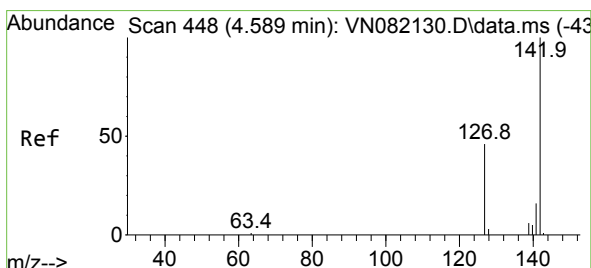
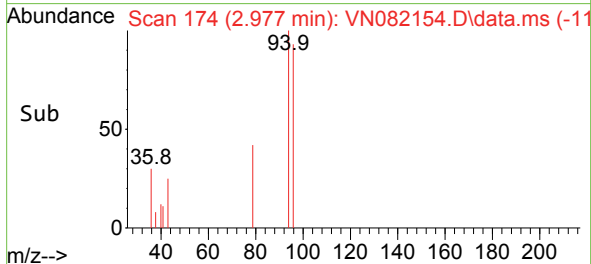
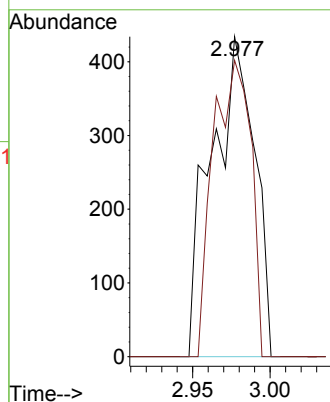
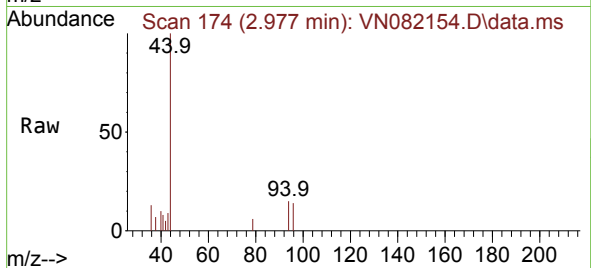




#5
Bromomethane
Concen: 0.582 ug/l
RT: 2.977 min Scan# 11
Delta R.T. 0.024 min
Lab File: VN082154.D
Acq: 16 May 2024 12:08

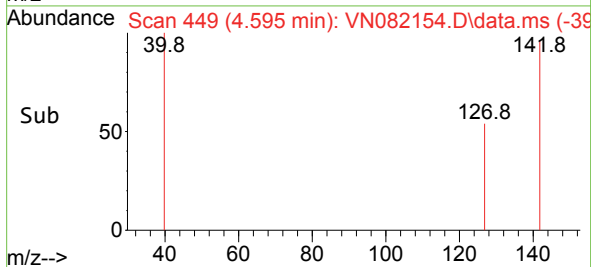
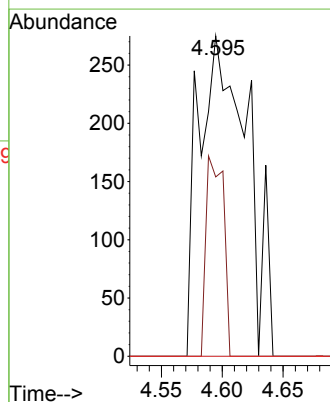
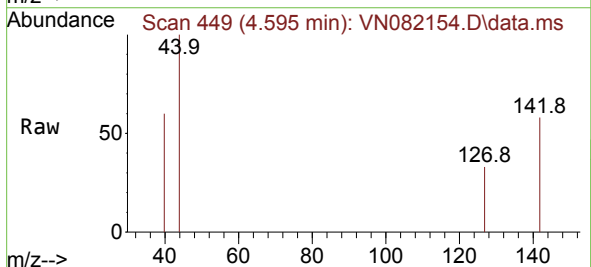
Instrument :
MSVOA_N
ClientSampleId :
IBLK

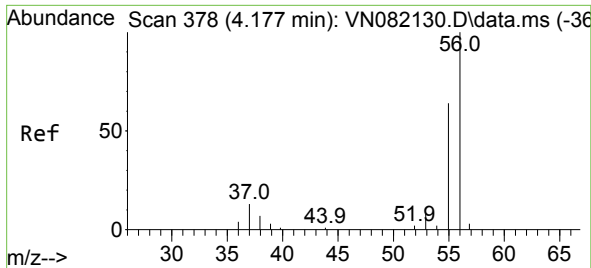
Tgt Ion: 94 Resp: 844
Ion Ratio Lower Upper
94 100
96 92.6 74.8 112.2



#10
Methyl Iodide
Concen: 0.393 ug/l
RT: 4.595 min Scan# 449
Delta R.T. 0.006 min
Lab File: VN082154.D
Acq: 16 May 2024 12:08

Tgt Ion: 142 Resp: 763
Ion Ratio Lower Upper
142 100
127 56.0 35.8 53.6#
141 0.0 11.4 17.2#





#13

Acrolein

Concen: 0.289 ug/l

RT: 4.195 min Scan# 381

Delta R.T. 0.018 min

Lab File: VN082154.D

Acq: 16 May 2024 12:08

Instrument :

MSVOA_N

ClientSampleId :

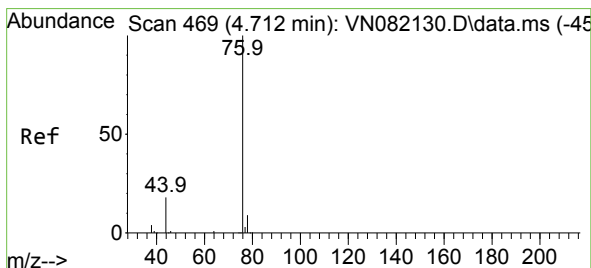
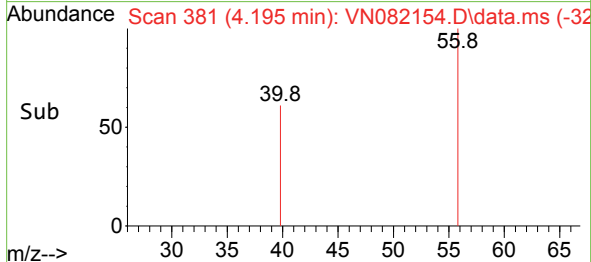
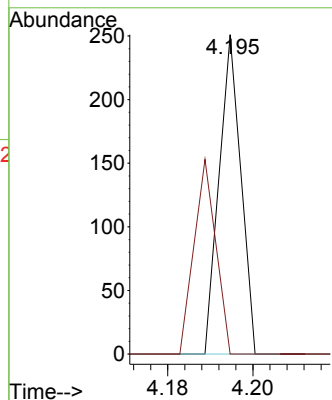
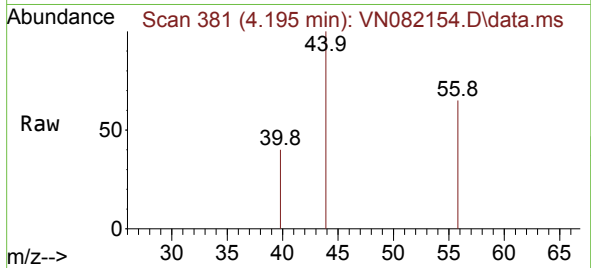
IBLK

Tgt Ion: 56 Resp: 89

Ion Ratio Lower Upper

56 100

55 60.7 55.8 83.8



#17

Carbon Disulfide

Concen: 0.287 ug/l

RT: 4.706 min Scan# 468

Delta R.T. -0.006 min

Lab File: VN082154.D

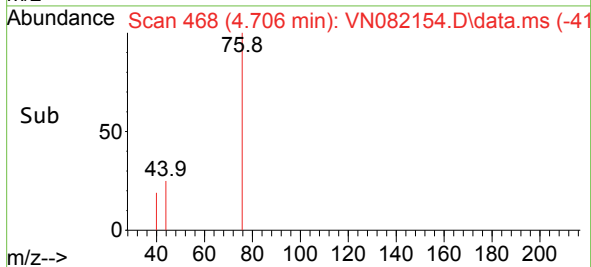
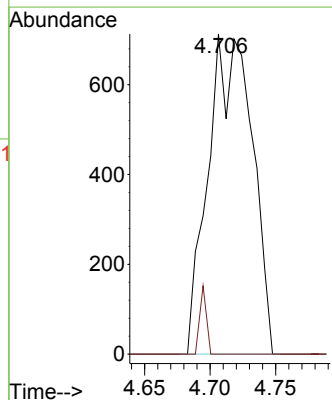
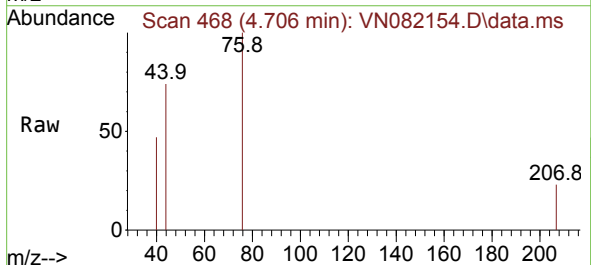
Acq: 16 May 2024 12:08

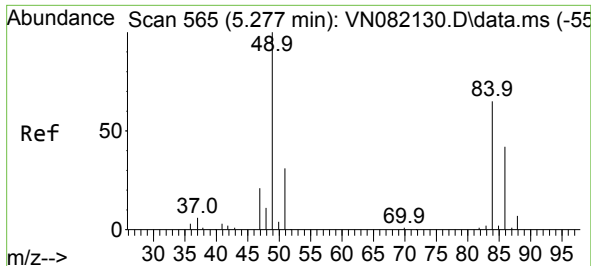
Tgt Ion: 76 Resp: 1662

Ion Ratio Lower Upper

76 100

78 0.0 7.5 11.3#

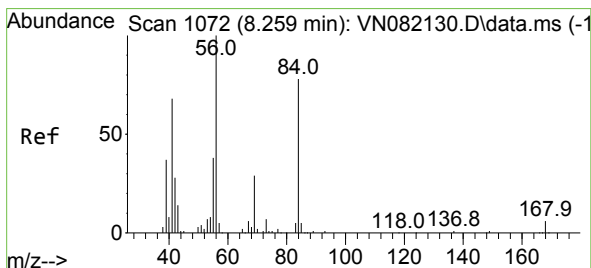
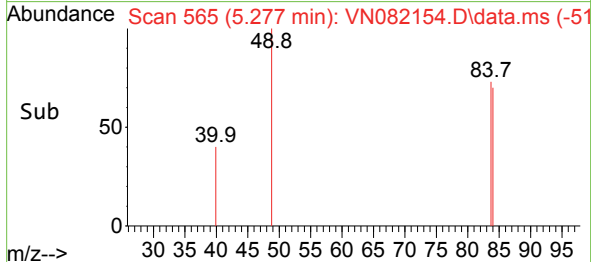
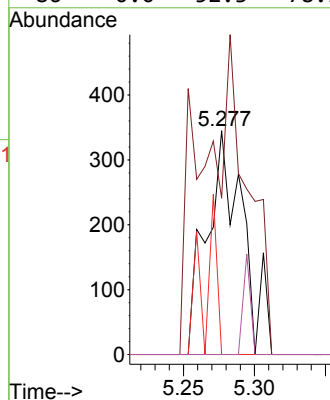
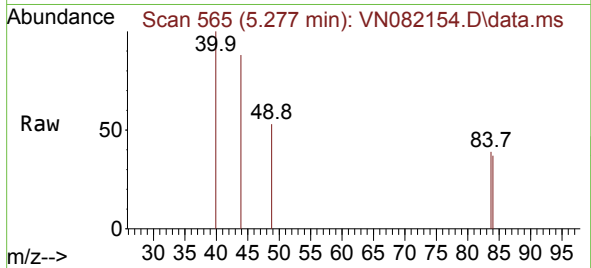




#20
Methylene Chloride
Concen: 0.287 ug/l
RT: 5.277 min Scan# 50
Delta R.T. 0.000 min
Lab File: VN082154.D
Acq: 16 May 2024 12:08

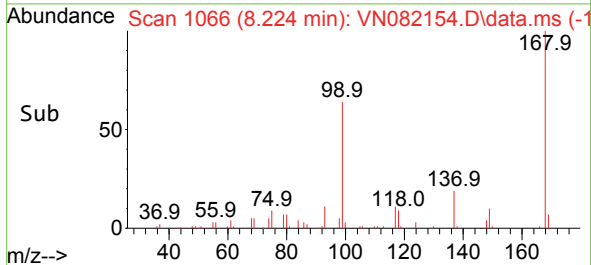
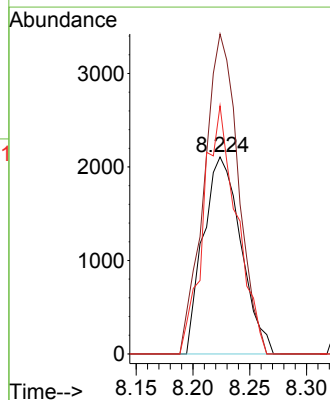
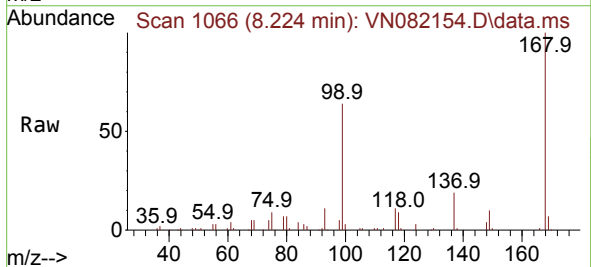
Instrument :
MSVOA_N
ClientSampleId :
IBLK

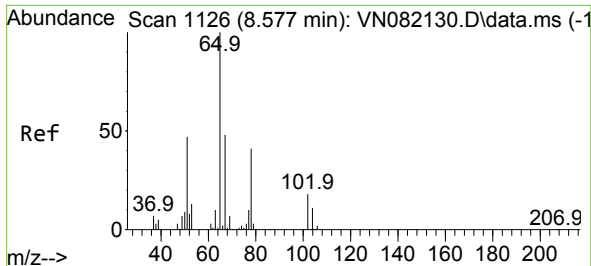
Tgt Ion:	84	Resp:	615
Ion	Ratio	Lower	Upper
84	100		
49	69.9	84.9	127.3#
51	0.0	27.0	40.6#
86	0.0	52.3	78.5#



#31
Cyclohexane
Concen: 1.176 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN082154.D
Acq: 16 May 2024 12:08

Tgt Ion:	56	Resp:	4870
Ion	Ratio	Lower	Upper
56	100		
69	162.5	24.4	36.6#
84	126.0	77.0	115.4#





#33

1,2-Dichloroethane-d4

Concen: 51.502 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VN082154.D

Acq: 16 May 2024 12:08

Instrument :

MSVOA_N

ClientSampleId :

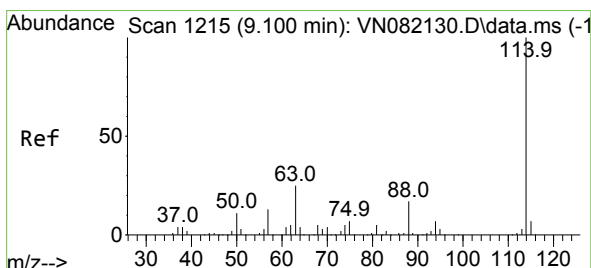
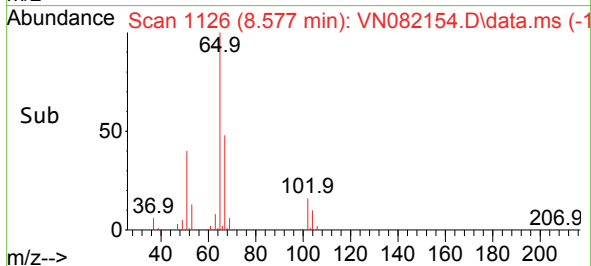
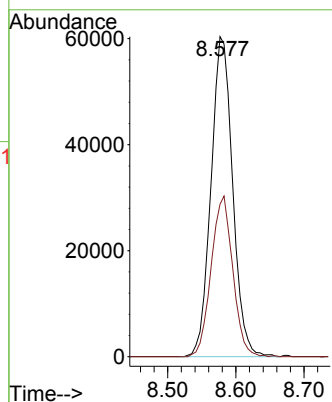
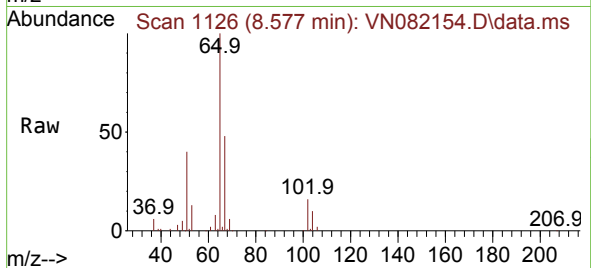
IBLK

Tgt Ion: 65 Resp: 133553

Ion Ratio Lower Upper

65 100

67 50.0 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.006 min

Lab File: VN082154.D

Acq: 16 May 2024 12:08

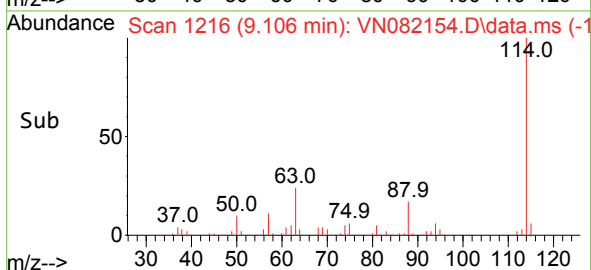
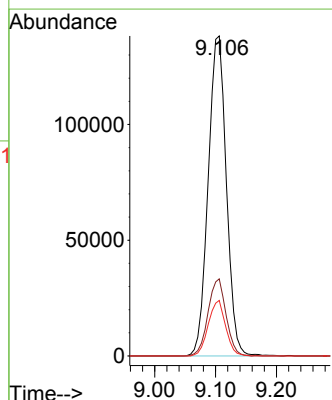
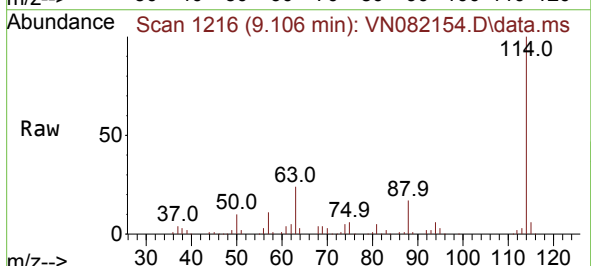
Tgt Ion: 114 Resp: 287031

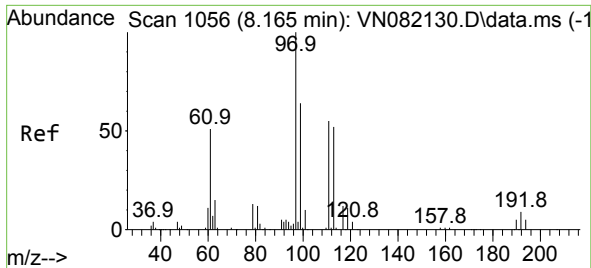
Ion Ratio Lower Upper

114 100

63 24.1 0.0 41.0

88 17.3 0.0 31.4

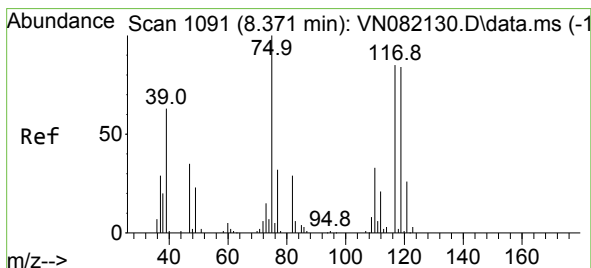
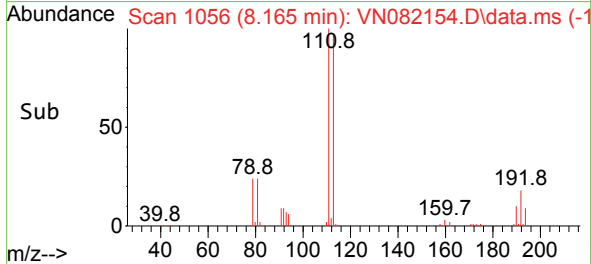
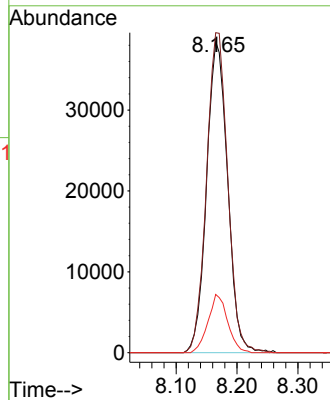
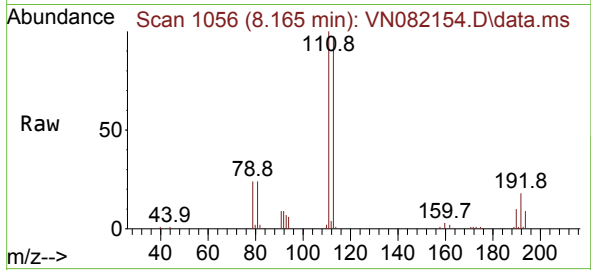




#35
Dibromofluoromethane
Concen: 52.291 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN082154.D
Acq: 16 May 2024 12:08

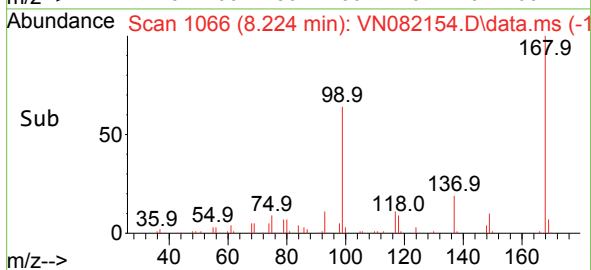
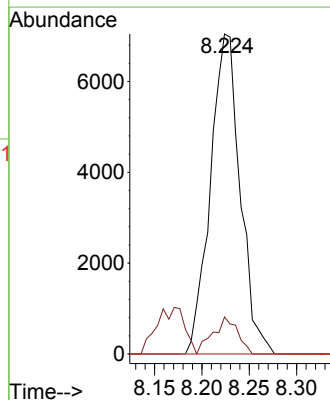
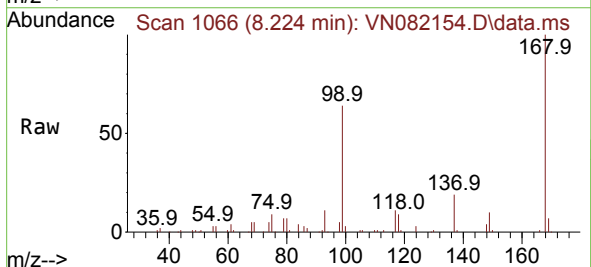
Instrument :
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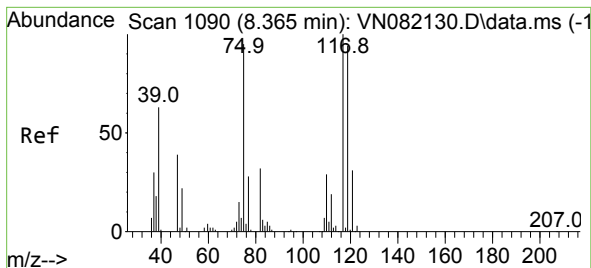
Tgt Ion:113 Resp: 92330
Ion Ratio Lower Upper
113 100
111 103.8 83.4 125.2
192 17.5 14.0 21.0



#36
1,1-Dichloropropene
Concen: 5.196 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN082154.D
Acq: 16 May 2024 12:08

Tgt Ion: 75 Resp: 15388
Ion Ratio Lower Upper
75 100
110 9.5 17.8 53.5#
77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 5.864 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

Lab File: VN082154.D

Acq: 16 May 2024 12:08

Instrument :

MSVOA_N

ClientSampleId :

IBLK

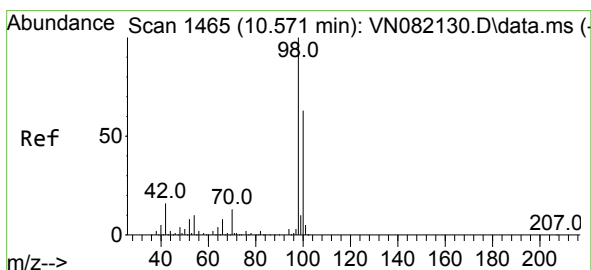
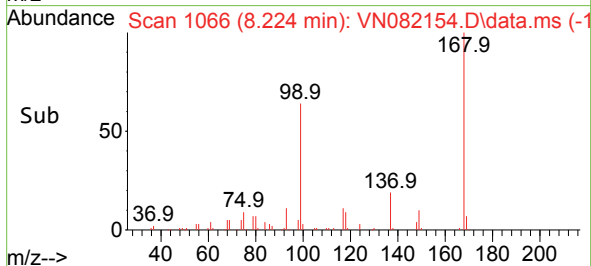
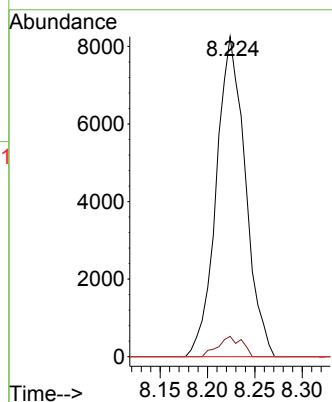
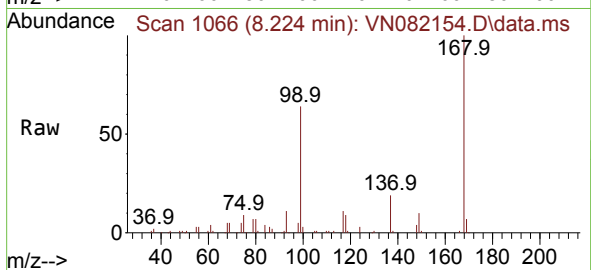
Tgt Ion:117 Resp: 17602

Ion Ratio Lower Upper

117 100

119 6.3 76.5 114.7#

121 0.0 23.9 35.9#



#50

Toluene-d8

Concen: 53.638 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.000 min

Lab File: VN082154.D

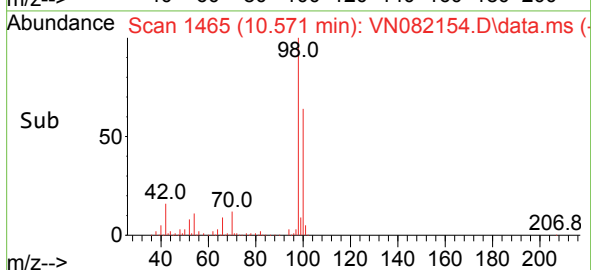
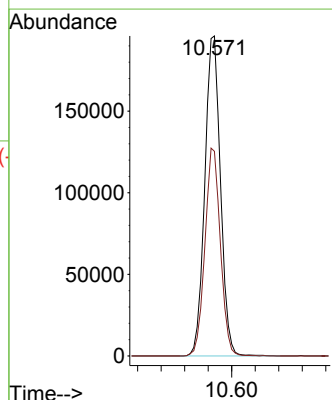
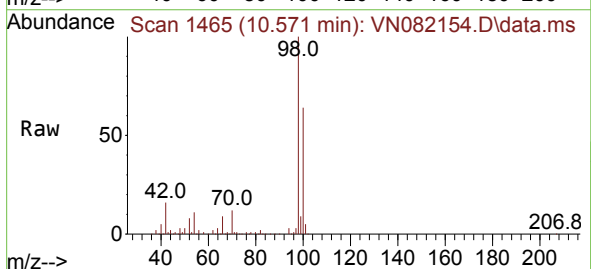
Acq: 16 May 2024 12:08

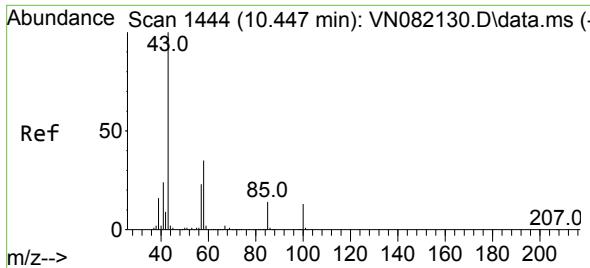
Tgt Ion: 98 Resp: 363101

Ion Ratio Lower Upper

98 100

100 63.9 51.8 77.6

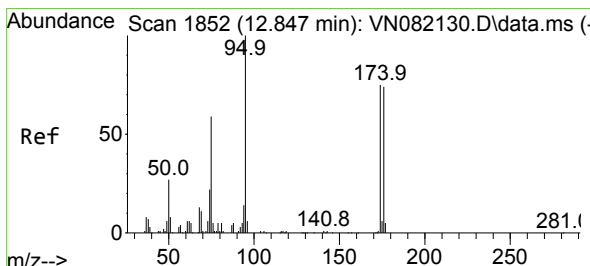
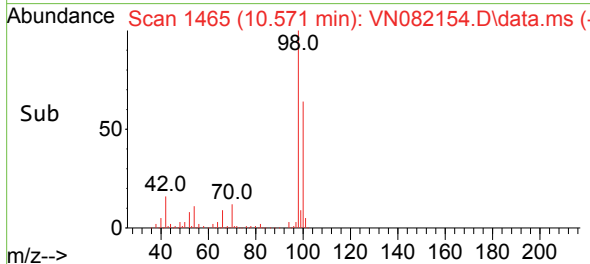
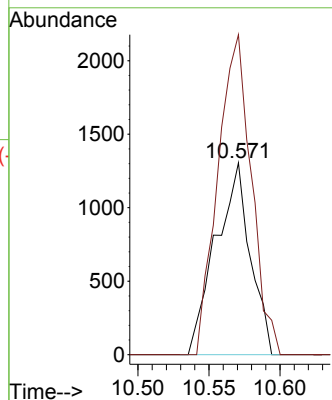
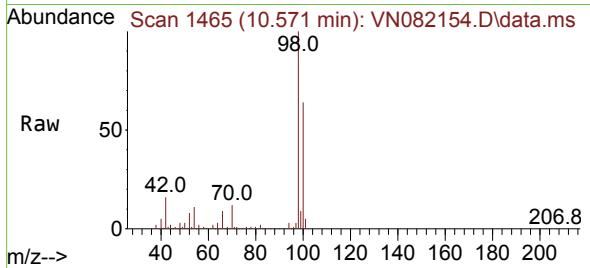




#51
4-Methyl-2-Pentanone
Concen: 0.661 ug/l
RT: 10.571 min Scan# 1444
Delta R.T. 0.124 min
Lab File: VN082154.D
Acq: 16 May 2024 12:08

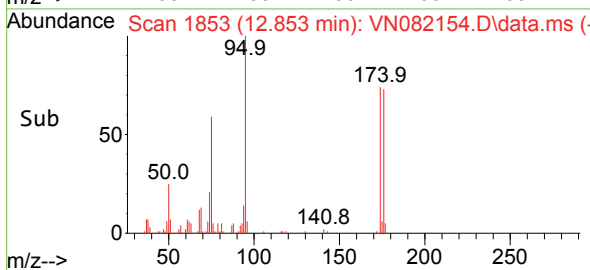
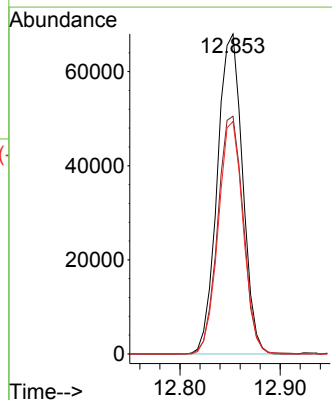
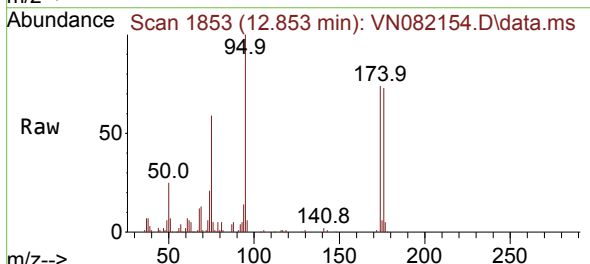
Instrument :
MSVOA_N
ClientSampleId :
IBLK

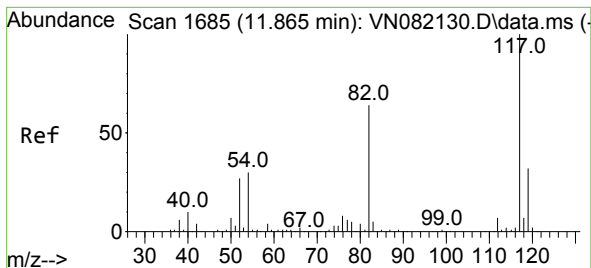
Tgt Ion: 43 Resp: 2205
Ion Ratio Lower Upper
43 100
58 161.9 33.2 49.8#



#62
4-Bromofluorobenzene
Concen: 49.232 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN082154.D
Acq: 16 May 2024 12:08

Tgt Ion: 95 Resp: 118954
Ion Ratio Lower Upper
95 100
174 75.1 0.0 160.6
176 71.7 0.0 152.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN082154.D

Acq: 16 May 2024 12:08

Instrument :

MSVOA_N

ClientSampleId :

IBLK

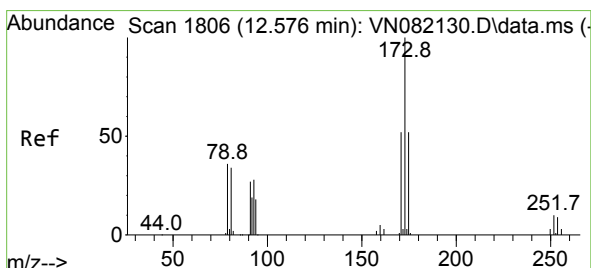
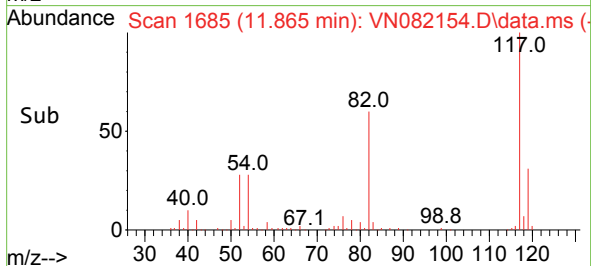
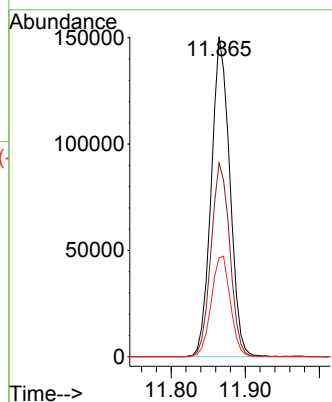
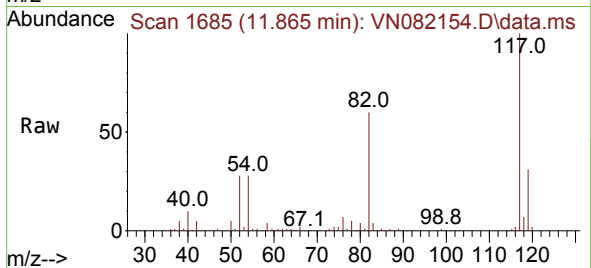
Tgt Ion:117 Resp: 261389

Ion Ratio Lower Upper

117 100

82 60.5 44.6 66.8

119 30.9 25.9 38.9



#71

Bromoform

Concen: 0.402 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.271 min

Lab File: VN082154.D

Acq: 16 May 2024 12:08

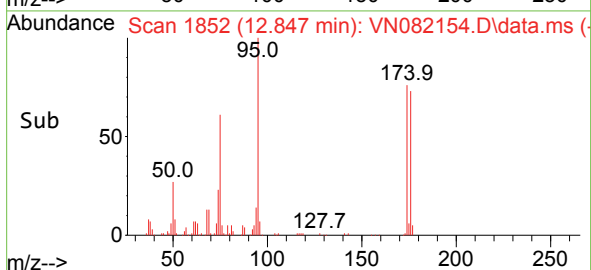
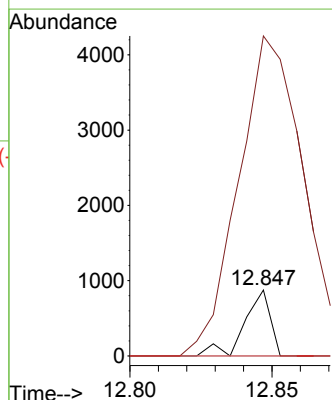
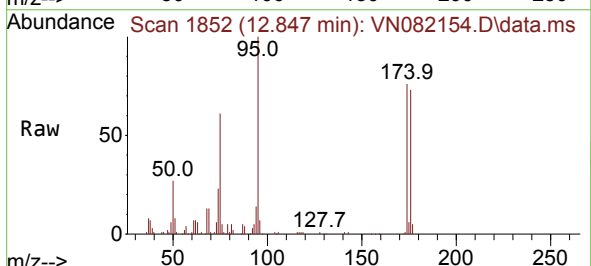
Tgt Ion:173 Resp: 549

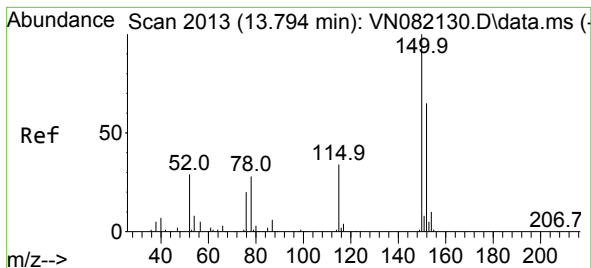
Ion Ratio Lower Upper

173 100

175 874.0 24.6 74.0#

254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. 0.000 min

Lab File: VN082154.D

Acq: 16 May 2024 12:08

Instrument :

MSVOA_N

ClientSampleId :

IBLK

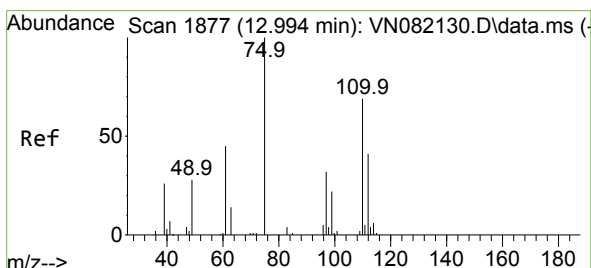
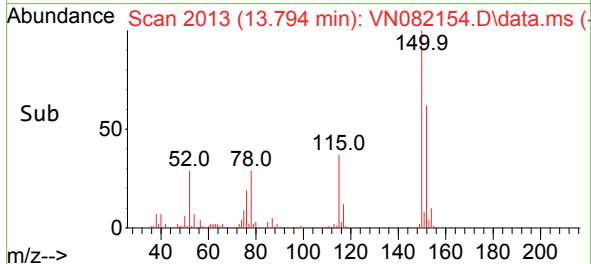
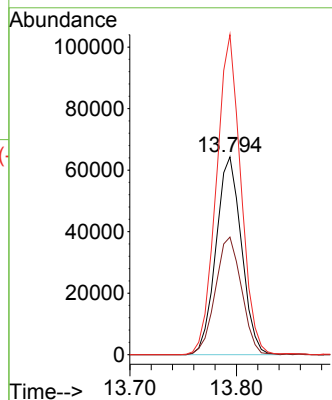
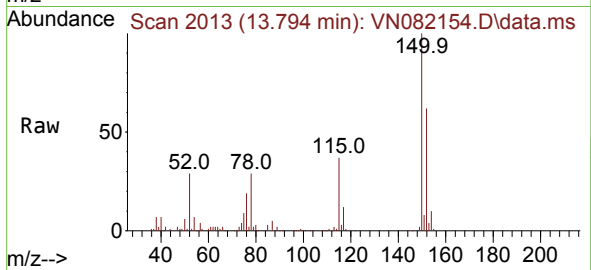
Tgt Ion:152 Resp: 106603

Ion Ratio Lower Upper

152 100

115 61.1 30.4 91.3

150 156.7 0.0 353.2



#76

1,2,3-Trichloropropane

Concen: 31.567 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN082154.D

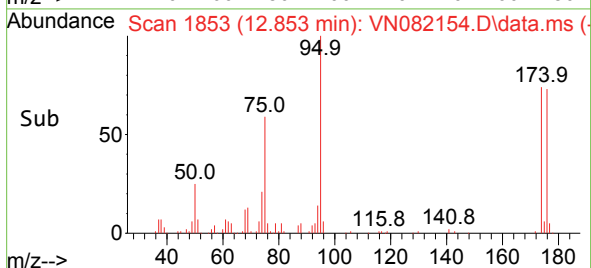
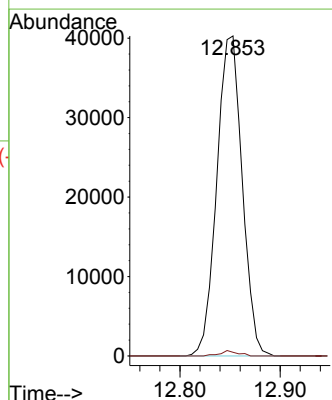
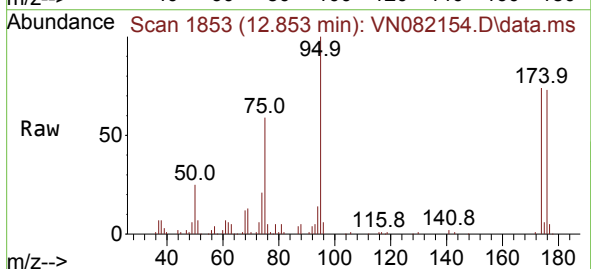
Acq: 16 May 2024 12:08

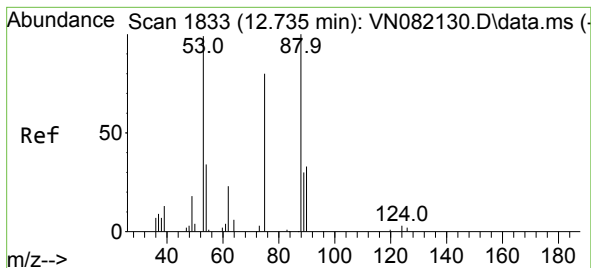
Tgt Ion: 75 Resp: 70828

Ion Ratio Lower Upper

75 100

77 1.2 90.5 271.3#

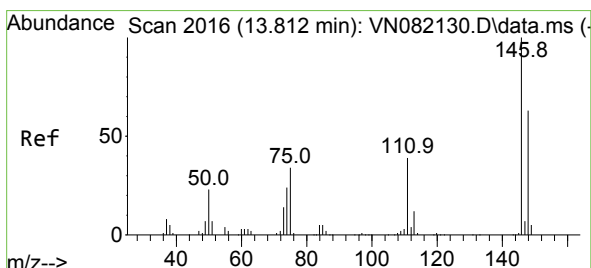
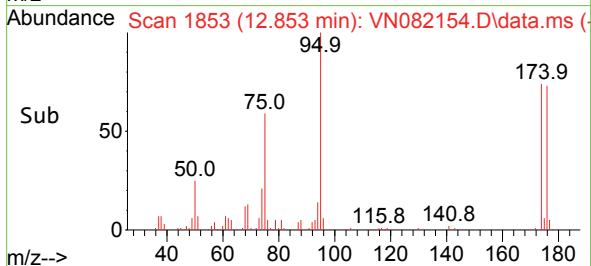
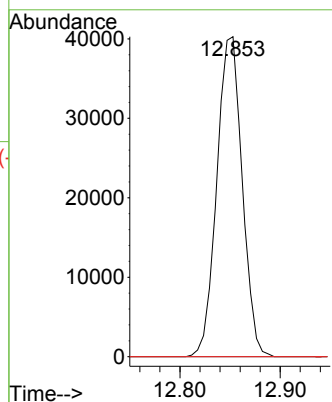
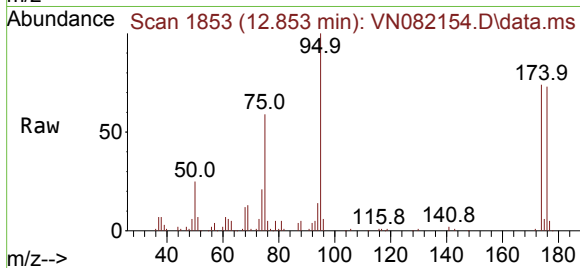




#81
trans-1,4-Dichloro-2-butene
Concen: 73.834 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.118 min
Lab File: VN082154.D
Acq: 16 May 2024 12:08

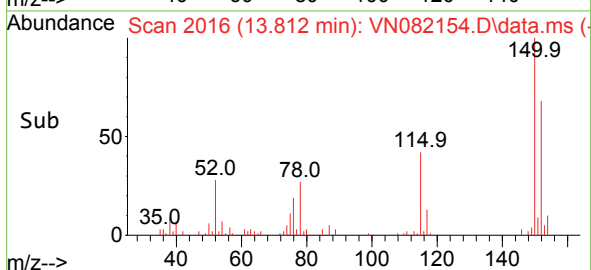
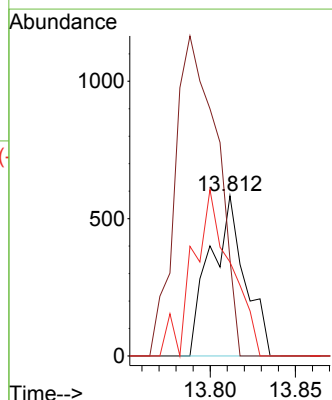
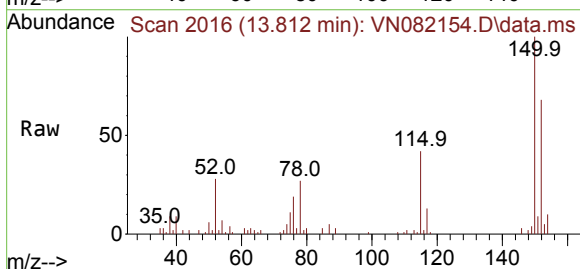
Instrument :
MSVOA_N
ClientSampleId :
IBLK

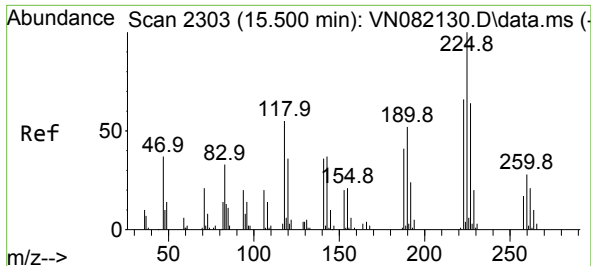
Tgt Ion: 75 Resp: 70828
Ion Ratio Lower Upper
75 100
53 0.0 72.9 109.3#
89 0.0 39.1 58.7#



#88
1,4-Dichlorobenzene
Concen: 0.220 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. 0.000 min
Lab File: VN082154.D
Acq: 16 May 2024 12:08

Tgt Ion:146 Resp: 822
Ion Ratio Lower Upper
146 100
111 0.0 19.3 57.9#
148 0.0 31.3 93.9#

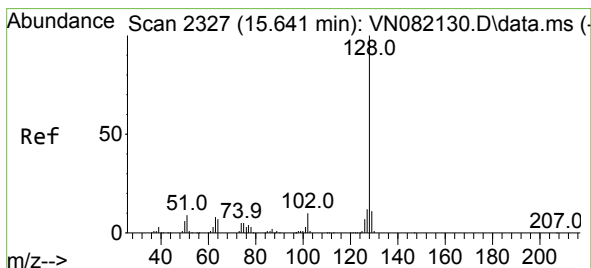
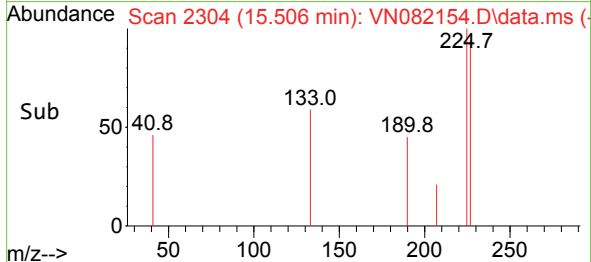
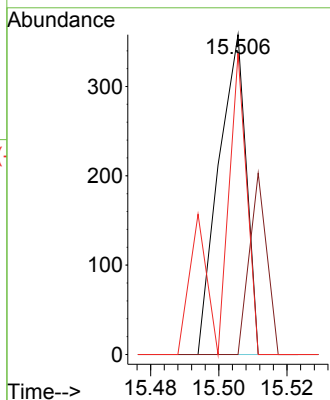
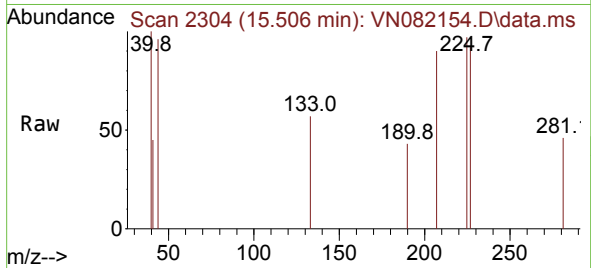




#94
Hexachlorobutadiene
Concen: 0.236 ug/l
RT: 15.506 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN082154.D
Acq: 16 May 2024 12:08

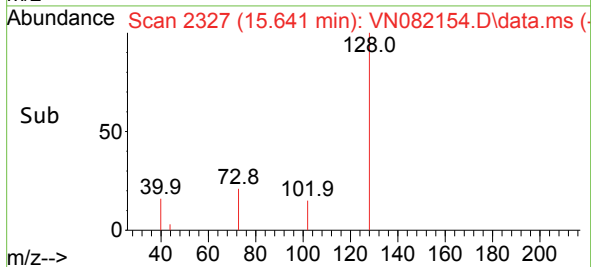
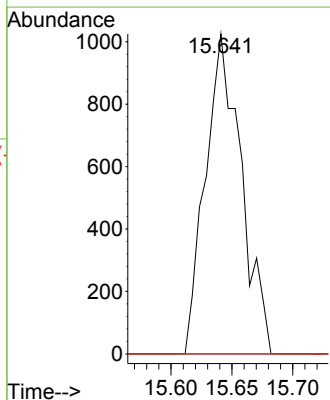
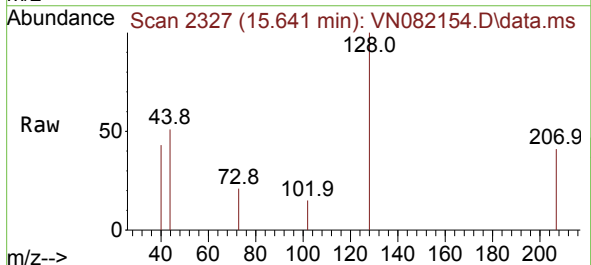
Instrument :
MSVOA_N
ClientSampleId :
IBLK

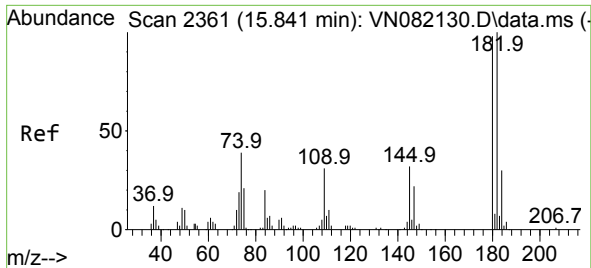
Tgt Ion:	225	Resp:	201
Ion	Ratio	Lower	Upper
225	100		
223	35.8	31.1	93.2
227	86.6	30.6	91.6



#95
Naphthalene
Concen: 0.345 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. 0.000 min
Lab File: VN082154.D
Acq: 16 May 2024 12:08

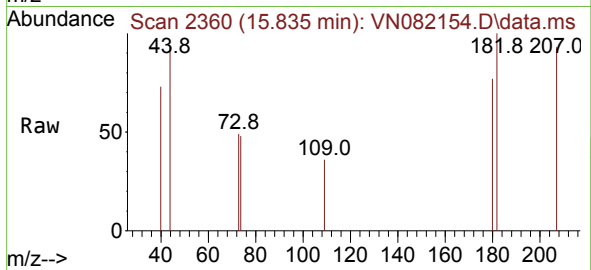
Tgt Ion:	128	Resp:	2097
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.1	15.1#
129	0.0	8.9	13.3#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.370 ug/l
 RT: 15.835 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VN082154.D
 Acq: 16 May 2024 12:08

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK



Tgt Ion:180 Resp: 719
 Ion Ratio Lower Upper
 180 100
 182 91.4 46.0 137.8
 145 8.2 17.1 51.3#

