

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042624\
 Data File : VN081892.D
 Acq On : 26 Apr 2024 20:54
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Apr 26 23:08:01 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N042524W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 26 05:26:49 2024
 Response via : Initial Calibration

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

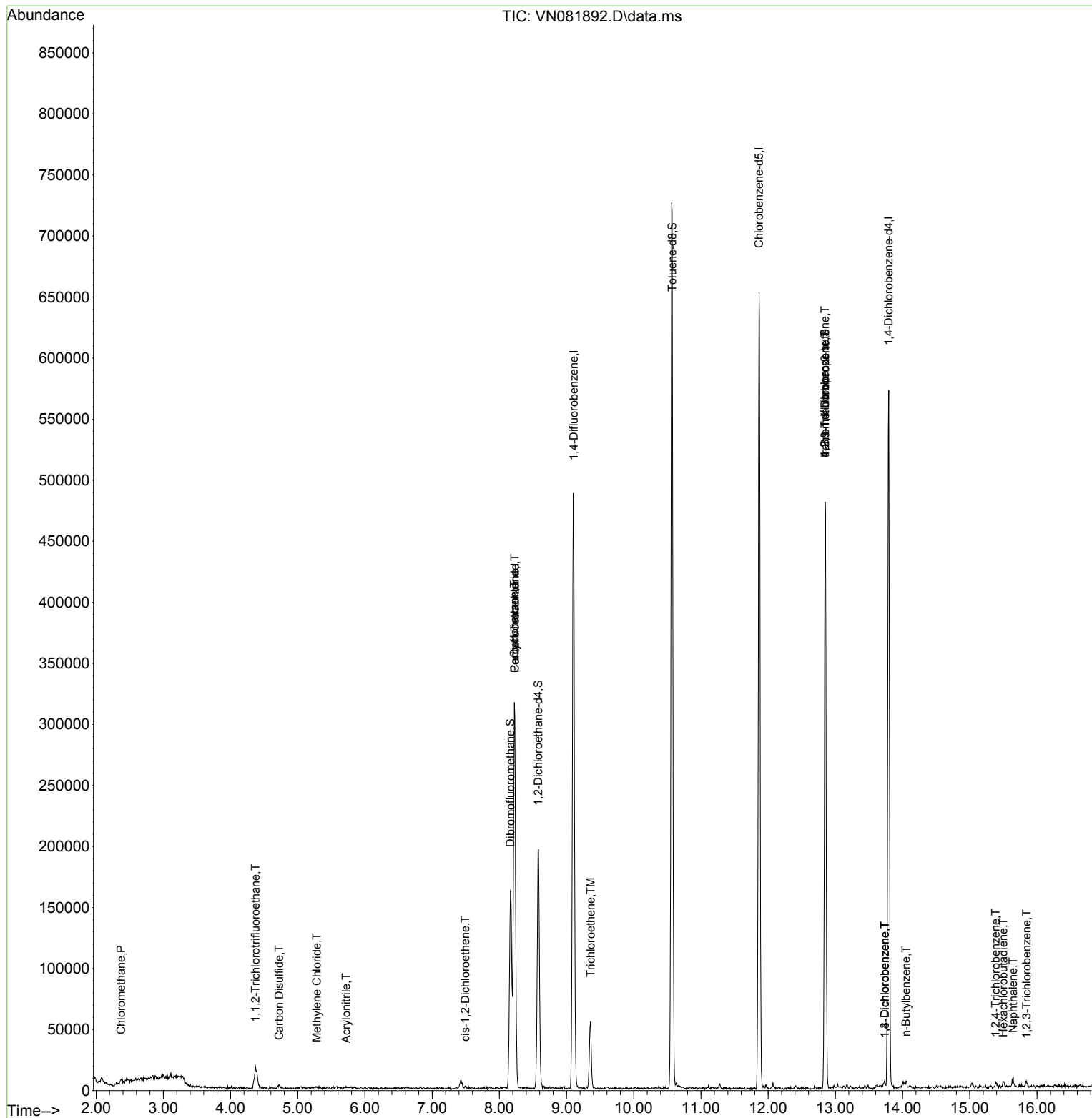
Internal Standards						
1) Pentafluorobenzene	8.230	168	222096	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	415340	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	363799	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	143761	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	158780	42.359	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	84.720%
35) Dibromofluoromethane	8.165	113	118081	47.219	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	94.440%
50) Toluene-d8	10.571	98	505818	51.502	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	103.000%
62) 4-Bromofluorobenzene	12.847	95	177058	45.605	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	=	91.200%
Target Compounds						Qvalue
3) Chloromethane	2.371	50	929	0.286	ug/l	89
5) Bromomethane	2.965	94	489	Below Cal		96
9) 1,1,2-Trichlorotrifluo...	4.371	101	11203	4.237	ug/l #	44
13) Acrolein	4.159	56	309	Below Cal	#	61
15) Acrylonitrile	5.718	53	434	0.265	ug/l #	4
16) Acetone	4.436	43	2072	Below Cal		91
17) Carbon Disulfide	4.724	76	5068	0.627	ug/l #	74
20) Methylene Chloride	5.283	84	963	0.300	ug/l #	89
27) cis-1,2-Dichloroethene	7.494	96	919	0.268	ug/l	56
31) Cyclohexane	8.224	56	7362	1.304	ug/l #	27
38) Carbon Tetrachloride	8.230	117	23836	5.995	ug/l #	15
44) Trichloroethene	9.359	130	19231	6.830	ug/l	90
76) 1,2,3-Trichloropropane	12.847	75	93652	25.125	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	93652	51.485	ug/l #	12
87) 1,3-Dichlorobenzene	13.735	146	1003	0.201	ug/l	90
88) 1,4-Dichlorobenzene	13.735	146	1003	0.204	ug/l	90
89) n-Butylbenzene	14.053	91	2451	0.258	ug/l	94
93) 1,2,4-Trichlorobenzene	15.388	180	1411	0.527	ug/l	82
94) Hexachlorobutadiene	15.500	225	1299	1.317	ug/l #	47
95) Naphthalene	15.647	128	5724	0.566	ug/l	95
96) 1,2,3-Trichlorobenzene	15.847	180	2000	0.778	ug/l #	85

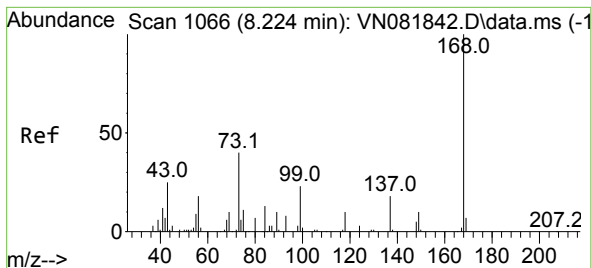
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.230 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN081892.D

Acq: 26 Apr 2024 20:54

Instrument :

MSVOA_N

ClientSampleId :

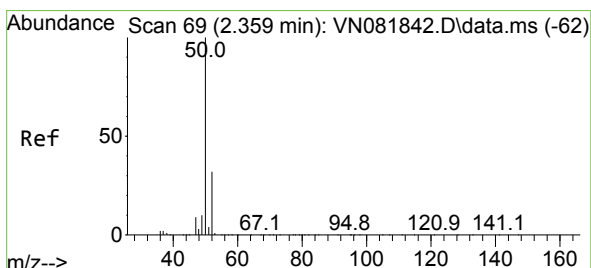
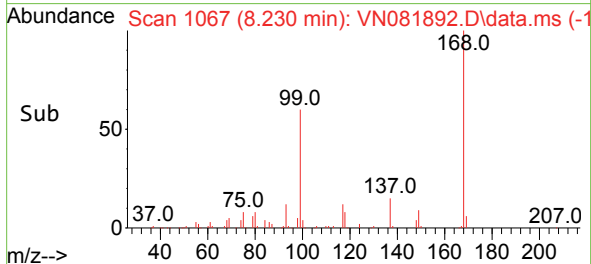
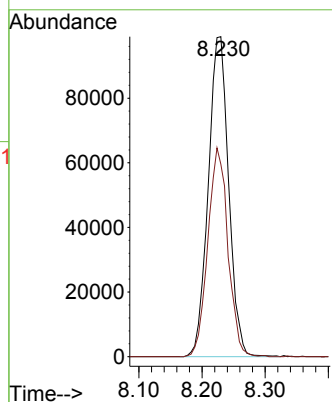
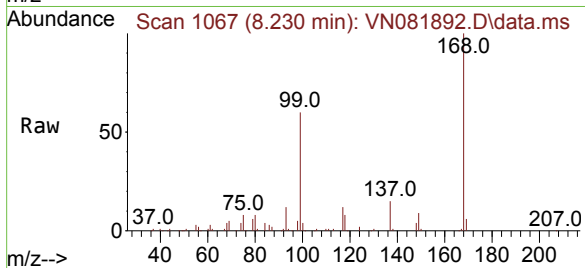
IBLK

Tgt Ion:168 Resp: 222096

Ion Ratio Lower Upper

168 100

99 60.1 48.2 72.4



#3

Chloromethane

Concen: 0.286 ug/l

RT: 2.371 min Scan# 71

Delta R.T. 0.012 min

Lab File: VN081892.D

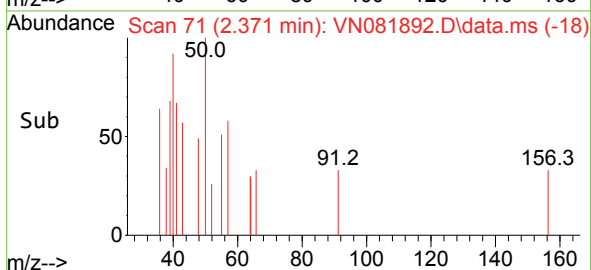
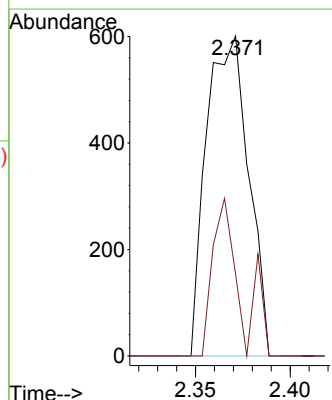
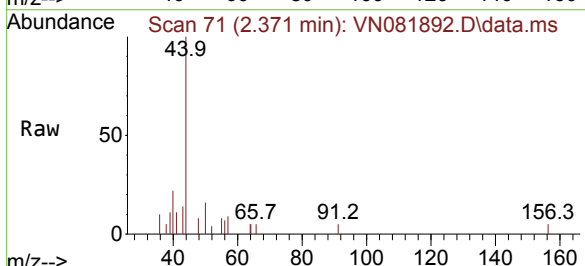
Acq: 26 Apr 2024 20:54

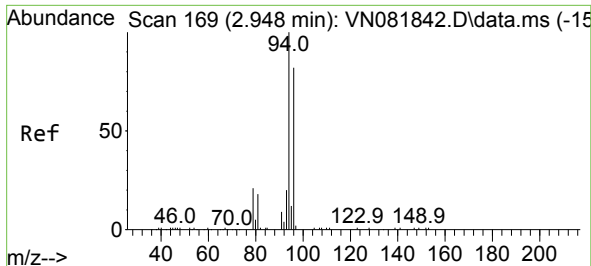
Tgt Ion: 50 Resp: 929

Ion Ratio Lower Upper

50 100

52 25.6 25.5 38.3

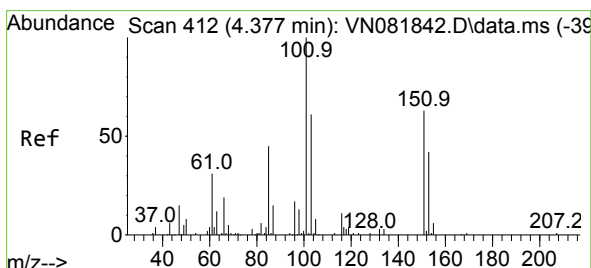
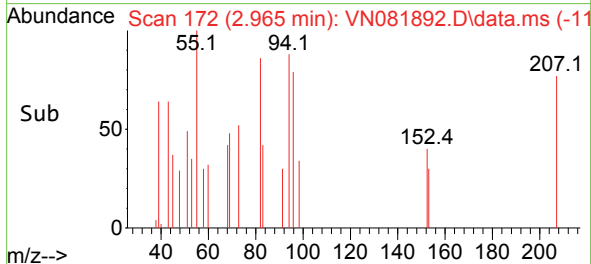
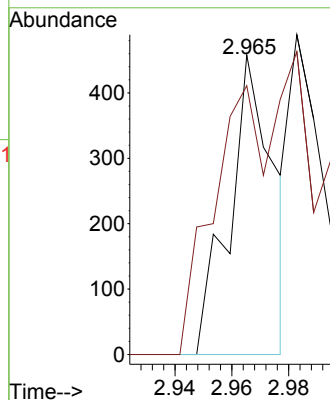
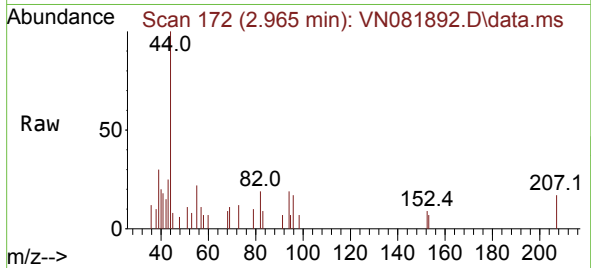




#5
Bromomethane
Concen: Below Cal
RT: 2.965 min Scan# 11
Delta R.T. 0.017 min
Lab File: VN081892.D
Acq: 26 Apr 2024 20:54

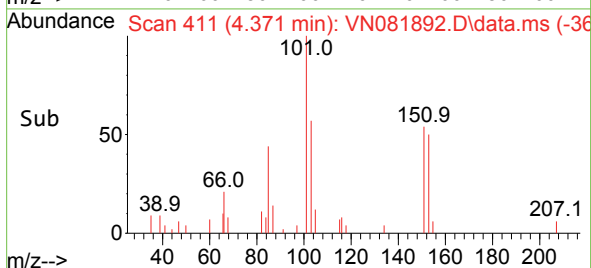
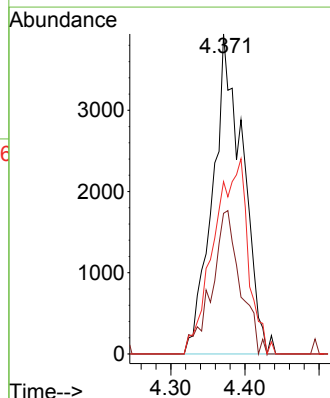
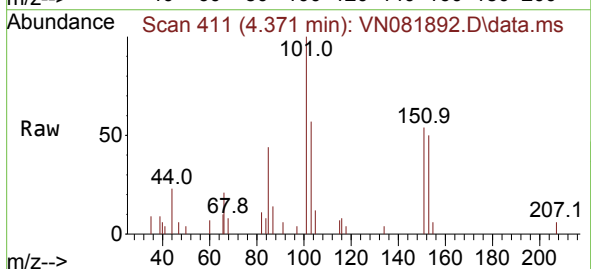
Instrument :
MSVOA_N
ClientSampleId :
IBLK

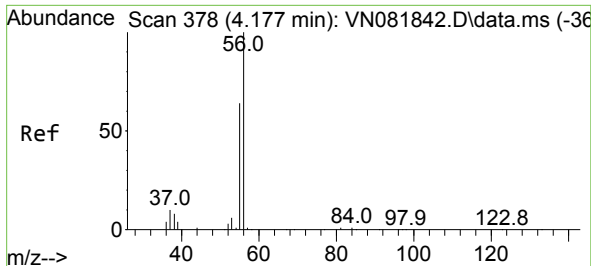
Tgt Ion: 94 Resp: 489
Ion Ratio Lower Upper
94 100
96 89.7 74.8 112.2



#9
1,1,2-Trichlorotrifluoroethane
Concen: 4.237 ug/l
RT: 4.371 min Scan# 411
Delta R.T. -0.006 min
Lab File: VN081892.D
Acq: 26 Apr 2024 20:54

Tgt Ion:101 Resp: 11203
Ion Ratio Lower Upper
101 100
85 42.1 37.3 55.9
151 0.0 59.2 88.8#





#13

Acrolein

Concen: Below Cal

RT: 4.159 min Scan# 31

Delta R.T. -0.018 min

Lab File: VN081892.D

Acq: 26 Apr 2024 20:54

Instrument :

MSVOA_N

ClientSampleId :

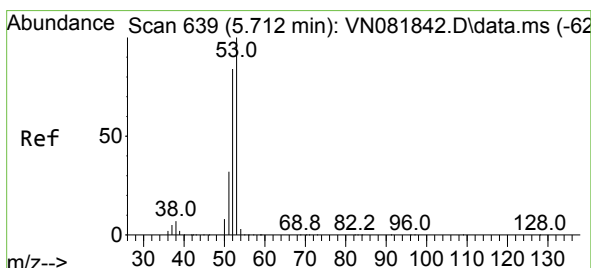
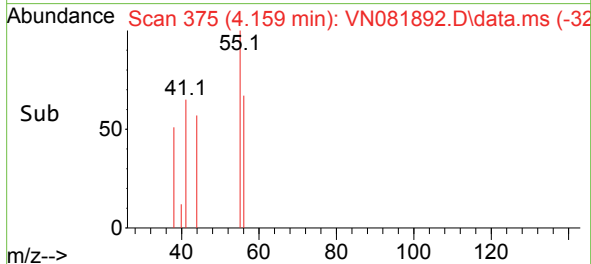
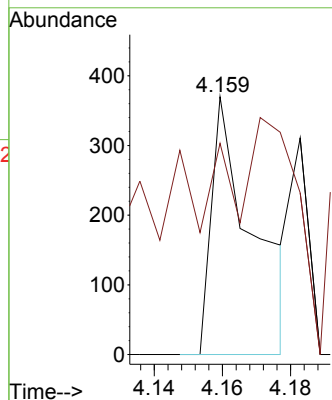
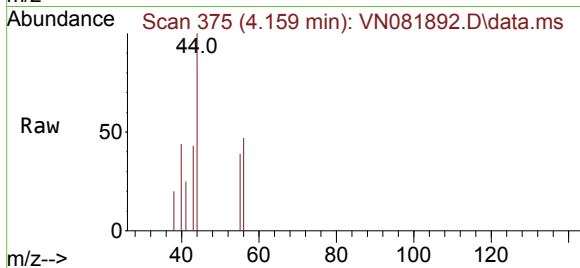
IBLK

Tgt Ion: 56 Resp: 309

Ion Ratio Lower Upper

56 100

55 101.6 55.8 83.8#



#15

Acrylonitrile

Concen: 0.265 ug/l

RT: 5.718 min Scan# 640

Delta R.T. 0.006 min

Lab File: VN081892.D

Acq: 26 Apr 2024 20:54

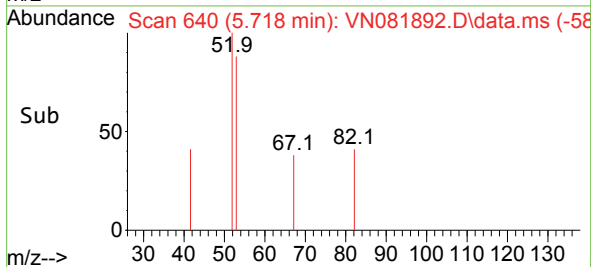
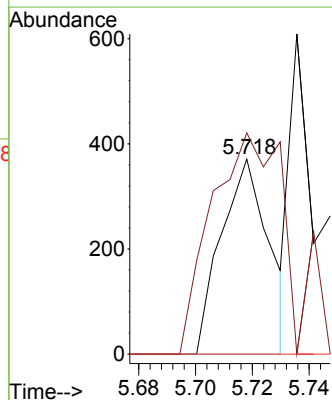
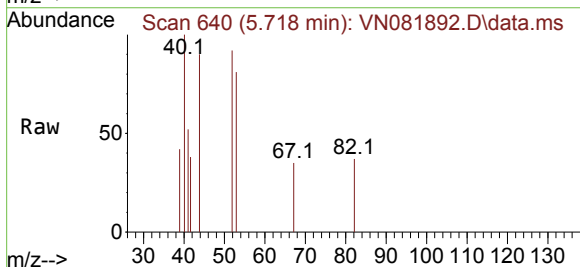
Tgt Ion: 53 Resp: 434

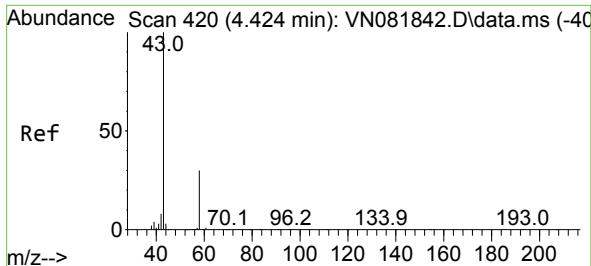
Ion Ratio Lower Upper

53 100

52 181.8 66.1 99.1#

51 0.0 29.4 44.2#

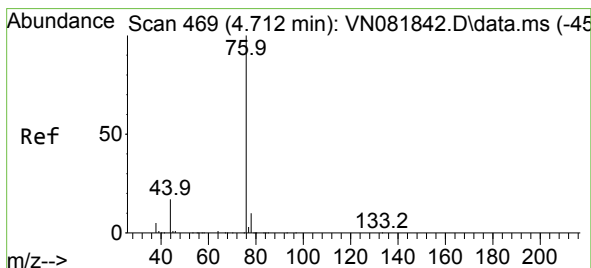
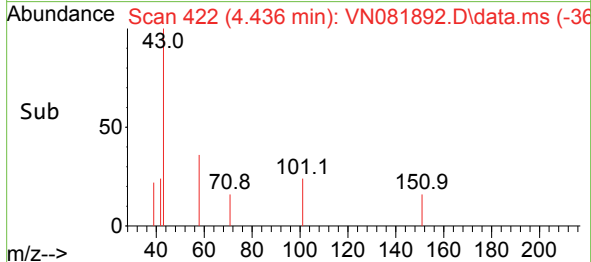
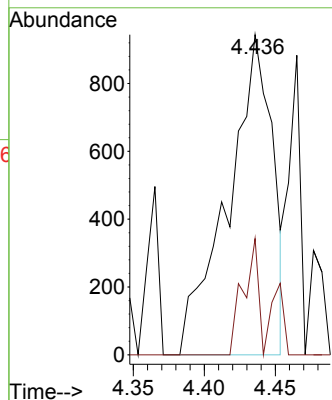
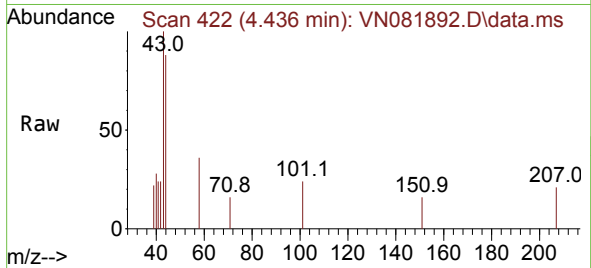




#16
Acetone
Concen: Below Cal
RT: 4.436 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN081892.D
Acq: 26 Apr 2024 20:54

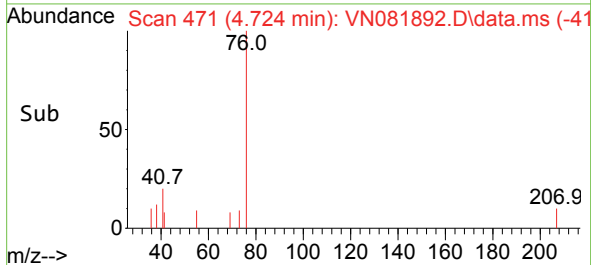
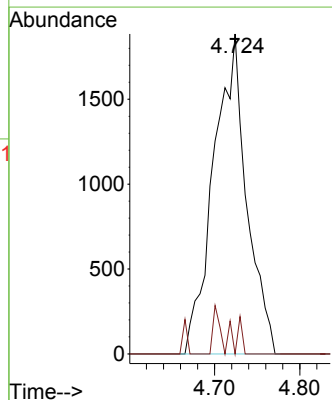
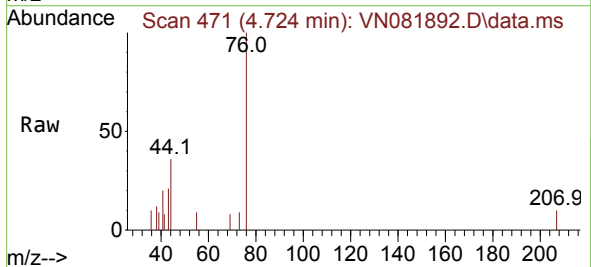
Instrument :
MSVOA_N
ClientSampleId :
IBLK

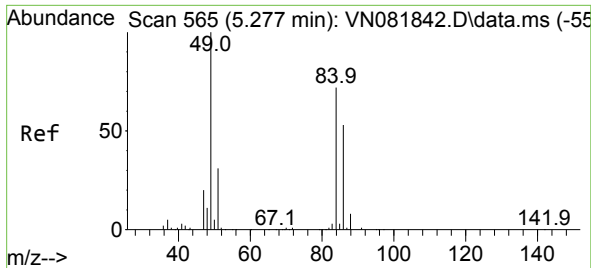
Tgt Ion: 43 Resp: 2072
Ion Ratio Lower Upper
43 100
58 36.3 25.2 37.8



#17
Carbon Disulfide
Concen: 0.627 ug/l
RT: 4.724 min Scan# 471
Delta R.T. 0.012 min
Lab File: VN081892.D
Acq: 26 Apr 2024 20:54

Tgt Ion: 76 Resp: 5068
Ion Ratio Lower Upper
76 100
78 0.0 7.5 11.3#

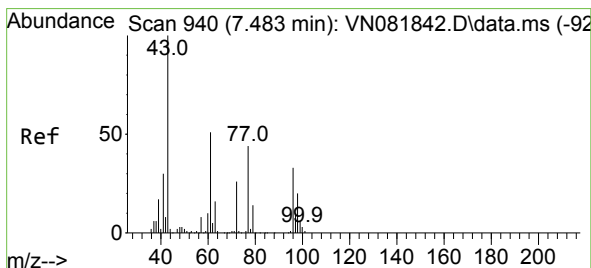
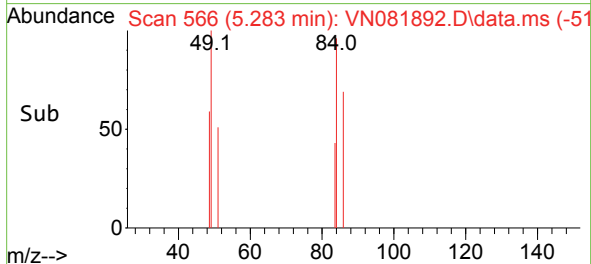
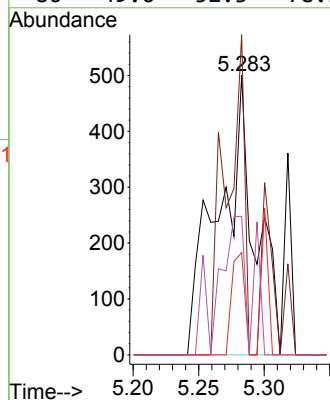
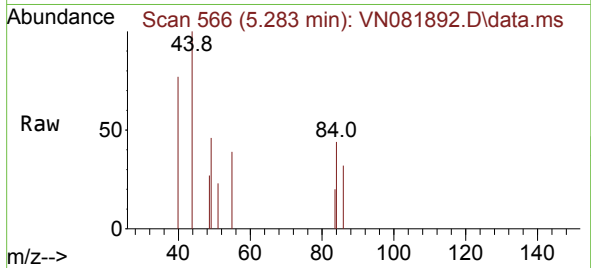




#20
Methylene Chloride
Concen: 0.300 ug/l
RT: 5.283 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN081892.D
Acq: 26 Apr 2024 20:54

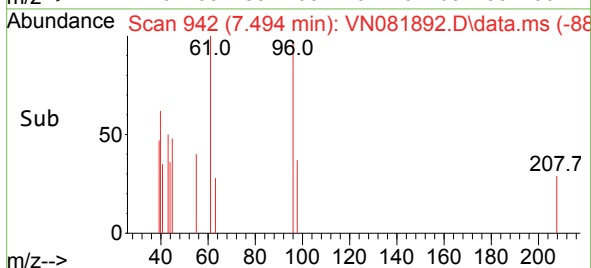
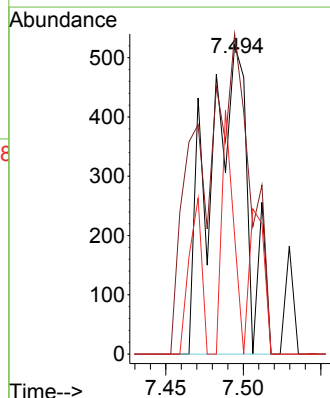
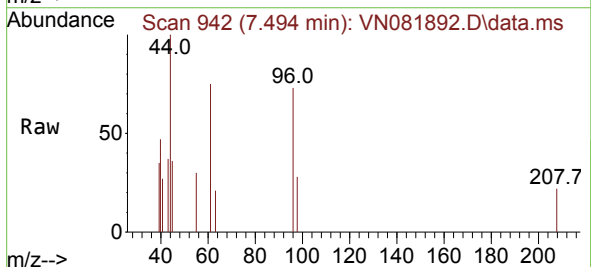
Instrument :
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ClientSampleId :
IBLK

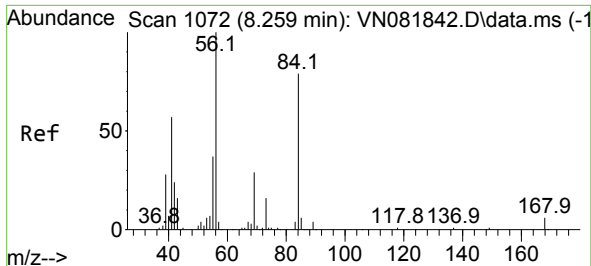
Tgt Ion:	84	Resp:	963
Ion	Ratio	Lower	Upper
84	100		
49	114.6	84.9	127.3
51	36.6	27.0	40.6
86	49.6	52.3	78.5



#27
cis-1,2-Dichloroethene
Concen: 0.268 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.012 min
Lab File: VN081892.D
Acq: 26 Apr 2024 20:54

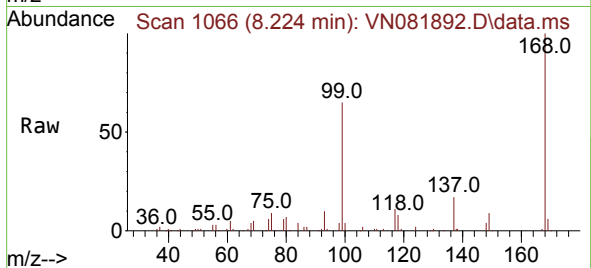
Tgt Ion:	96	Resp:	919
Ion	Ratio	Lower	Upper
96	100		
61	86.6	0.0	268.0
98	23.4	0.0	126.8



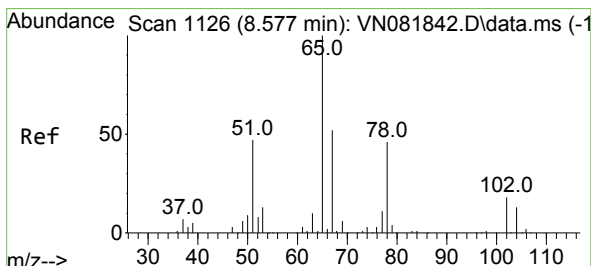
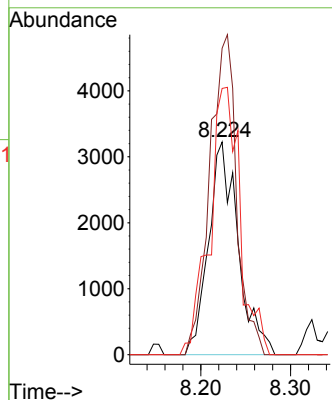
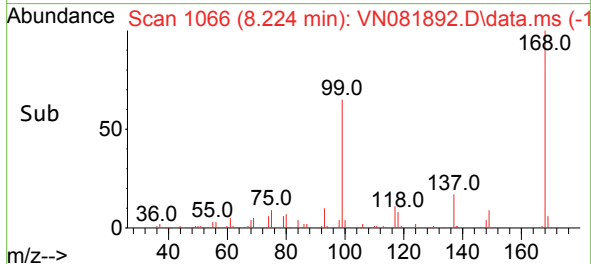


#31
Cyclohexane
Concen: 1.304 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN081892.D
Acq: 26 Apr 2024 20:54

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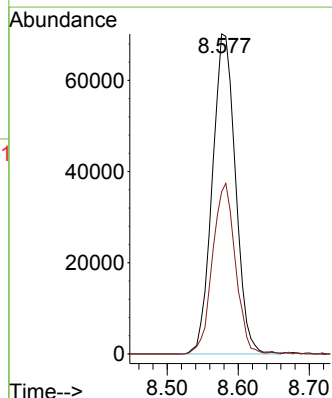
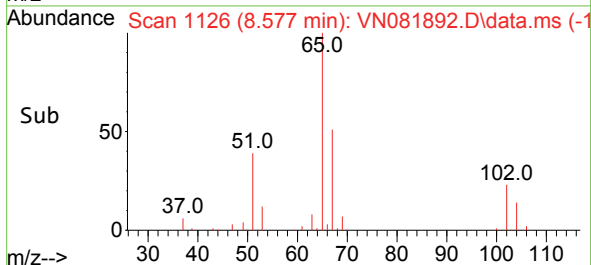
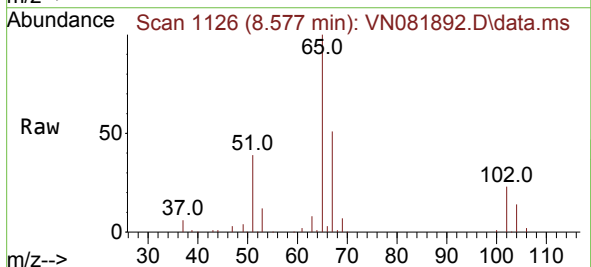


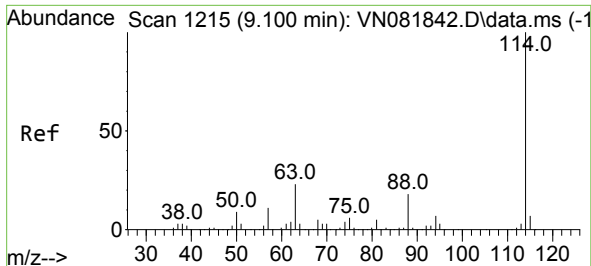
Tgt Ion: 56 Resp: 7362
Ion Ratio Lower Upper
56 100
69 144.2 24.4 36.6#
84 125.3 77.0 115.4#



#33
1,2-Dichloroethane-d4
Concen: 42.359 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN081892.D
Acq: 26 Apr 2024 20:54

Tgt Ion: 65 Resp: 158780
Ion Ratio Lower Upper
65 100
67 52.6 0.0 103.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN081892.D

Acq: 26 Apr 2024 20:54

Instrument :

MSVOA_N

ClientSampleId :

IBLK

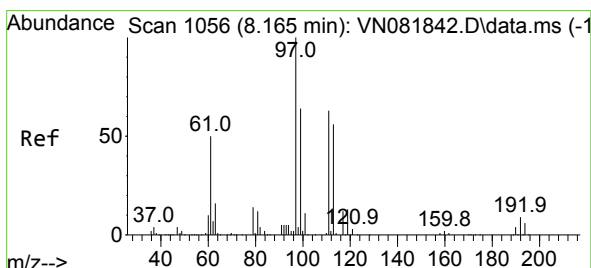
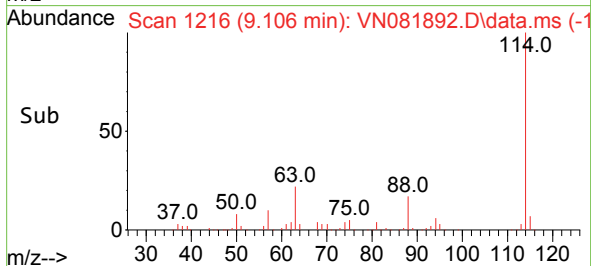
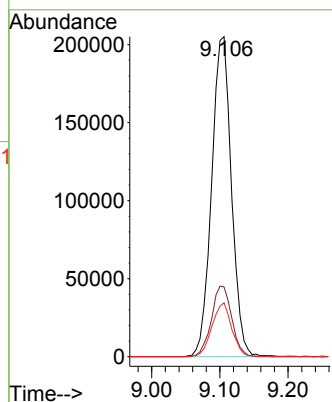
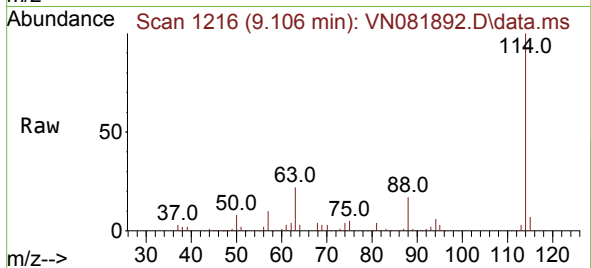
Tgt Ion:114 Resp: 415340

Ion Ratio Lower Upper

114 100

63 21.8 0.0 41.0

88 16.9 0.0 31.4



#35

Dibromofluoromethane

Concen: 47.219 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VN081892.D

Acq: 26 Apr 2024 20:54

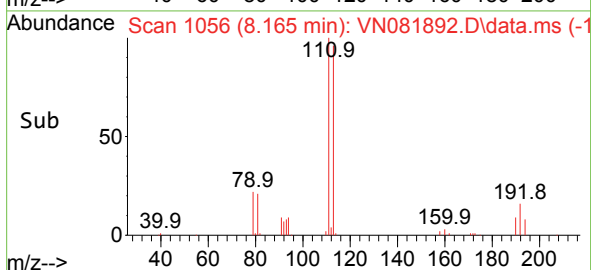
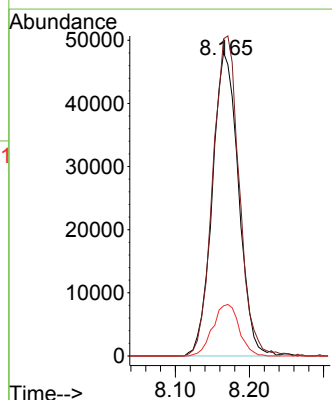
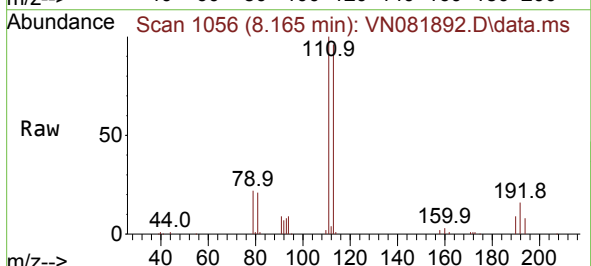
Tgt Ion:113 Resp: 118081

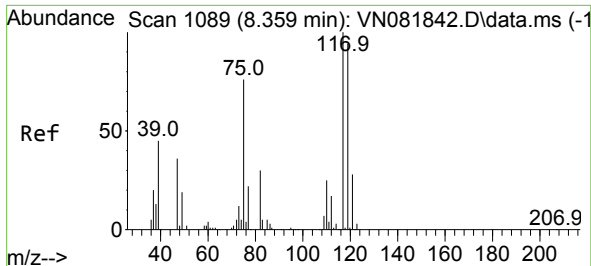
Ion Ratio Lower Upper

113 100

111 105.9 83.4 125.2

192 17.1 14.0 21.0





#38

Carbon Tetrachloride

Concen: 5.995 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.129 min

Lab File: VN081892.D

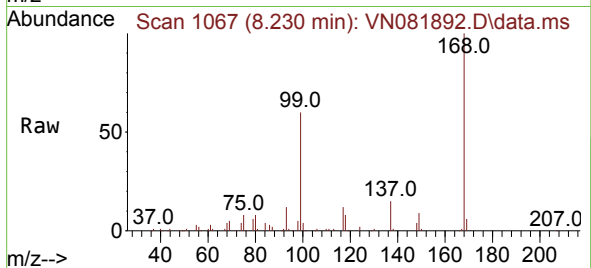
Acq: 26 Apr 2024 20:54

Instrument :

MSVOA_N

ClientSampleId :

IBLK



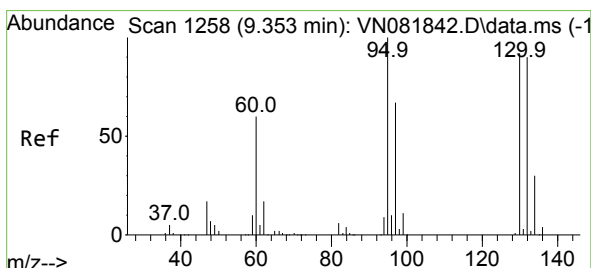
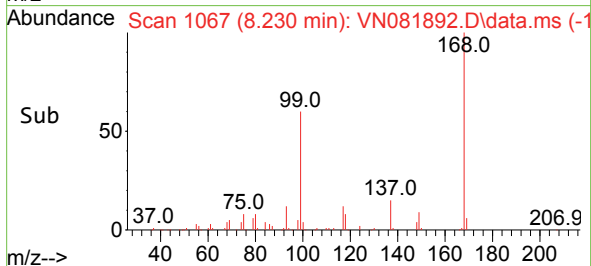
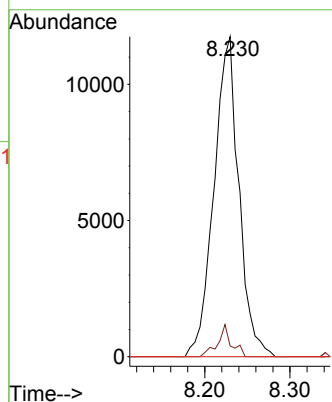
Tgt Ion:117 Resp: 23836

Ion Ratio Lower Upper

117 100

119 3.3 76.5 114.7#

121 0.0 23.9 35.9#



#44

Trichloroethene

Concen: 6.830 ug/l

RT: 9.359 min Scan# 1259

Delta R.T. 0.006 min

Lab File: VN081892.D

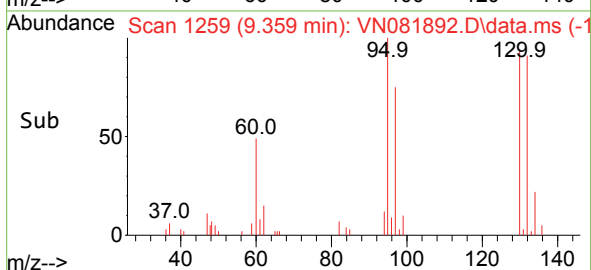
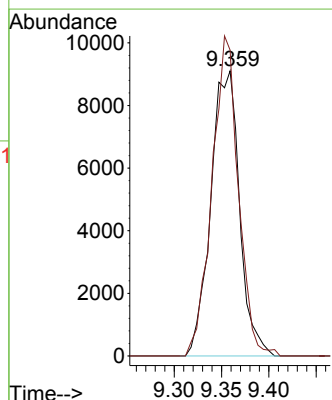
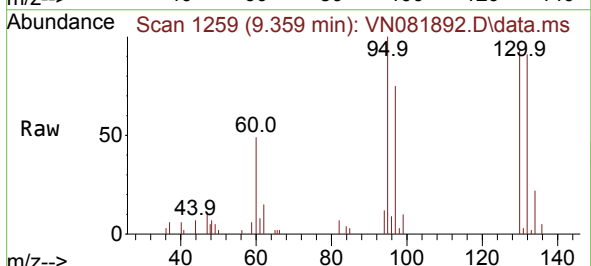
Acq: 26 Apr 2024 20:54

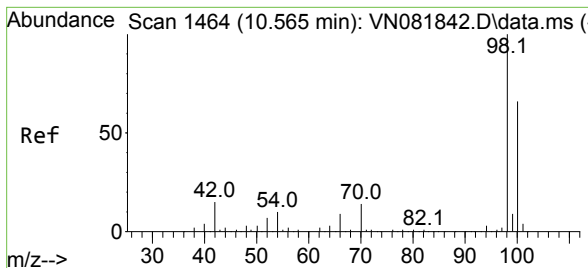
Tgt Ion:130 Resp: 19231

Ion Ratio Lower Upper

130 100

95 107.2 0.0 195.4





#50

Toluene-d8

Concen: 51.502 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.006 min

Lab File: VN081892.D

Acq: 26 Apr 2024 20:54

Instrument :

MSVOA_N

ClientSampleId :

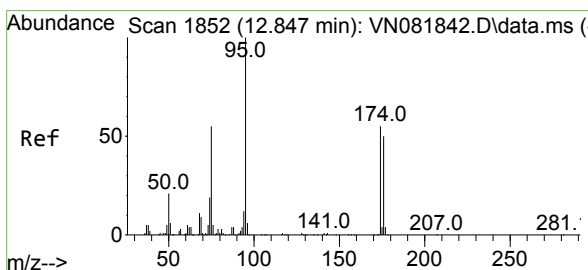
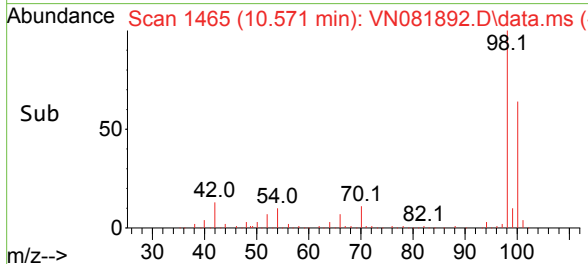
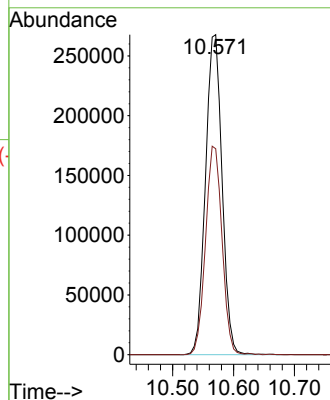
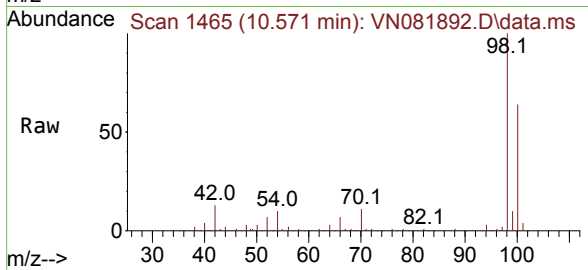
IBLK

Tgt Ion: 98 Resp: 505818

Ion Ratio Lower Upper

98 100

100 64.9 51.8 77.6



#62

4-Bromofluorobenzene

Concen: 45.605 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.000 min

Lab File: VN081892.D

Acq: 26 Apr 2024 20:54

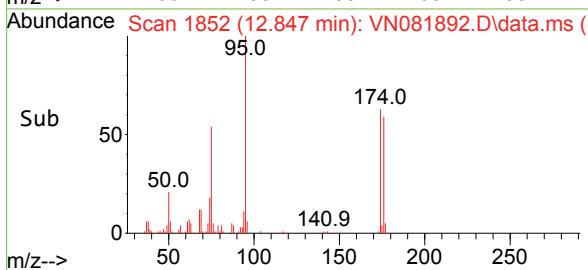
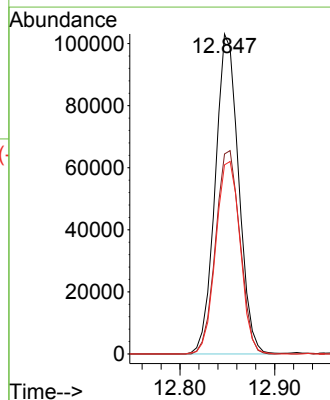
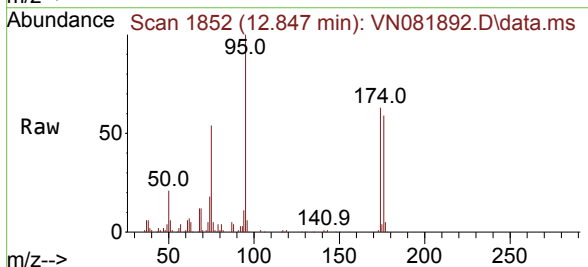
Tgt Ion: 95 Resp: 177058

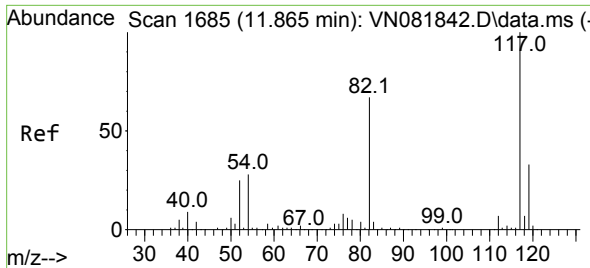
Ion Ratio Lower Upper

95 100

174 66.0 0.0 160.6

176 62.8 0.0 152.8

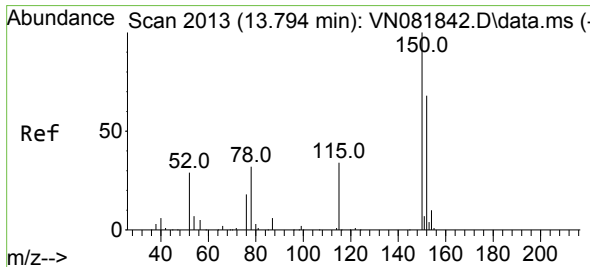
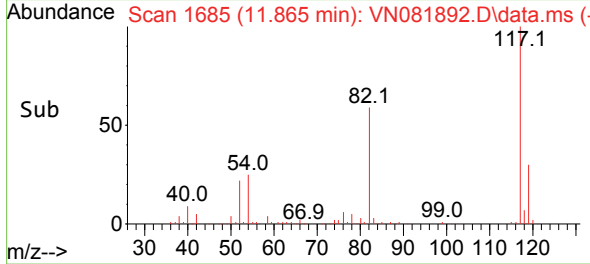
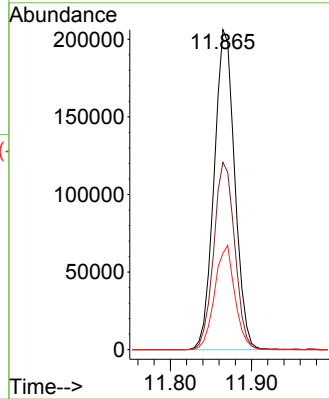
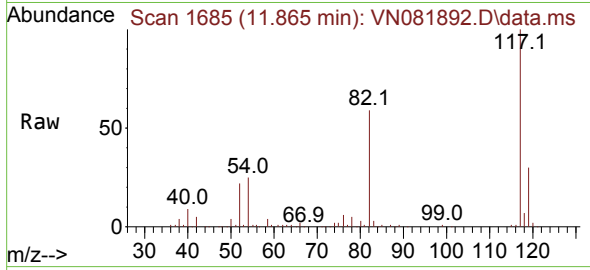




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN081892.D
Acq: 26 Apr 2024 20:54

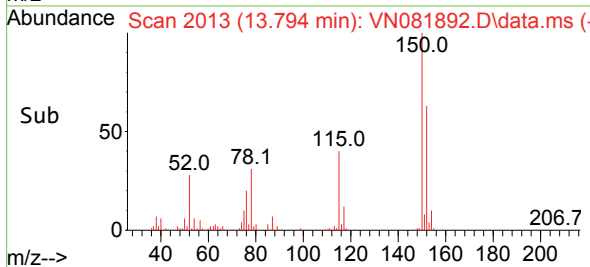
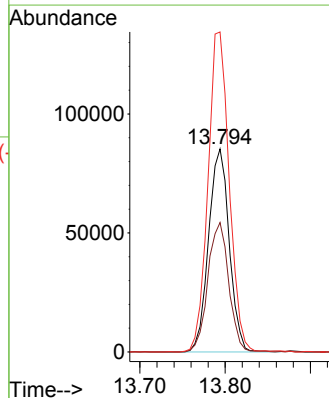
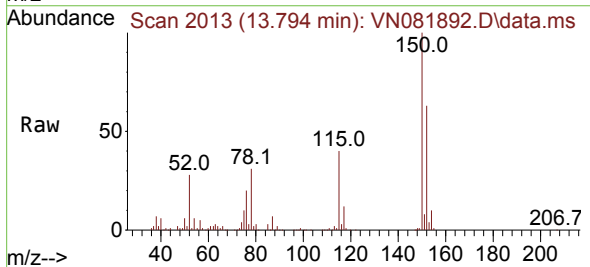
Instrument :
MSVOA_N
ClientSampleId :
IBLK

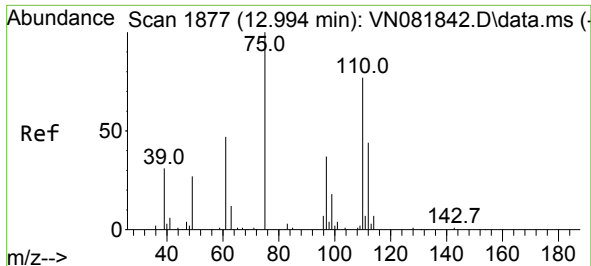
Tgt Ion:117 Resp: 363799
Ion Ratio Lower Upper
117 100
82 58.6 44.6 66.8
119 30.1 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN081892.D
Acq: 26 Apr 2024 20:54

Tgt Ion:152 Resp: 143761
Ion Ratio Lower Upper
152 100
115 64.5 30.4 91.3
150 161.4 0.0 353.2

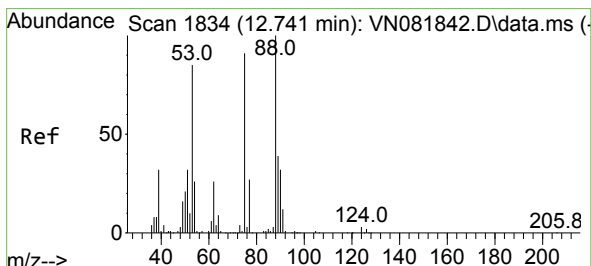
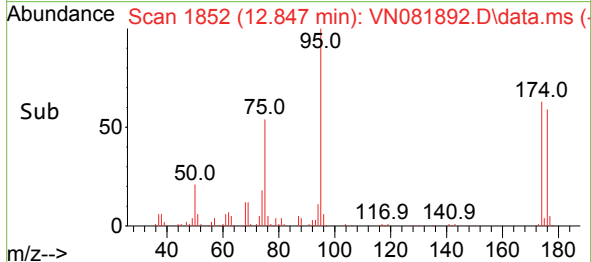
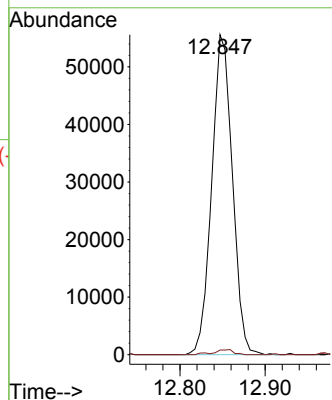
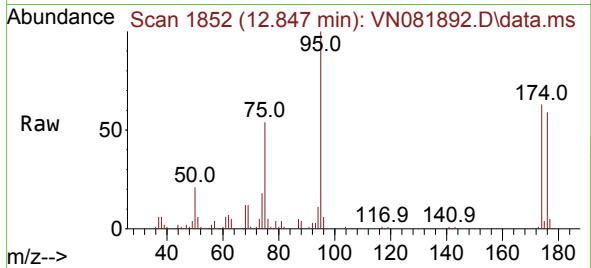




#76
1,2,3-Trichloropropane
Concen: 25.125 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN081892.D
Acq: 26 Apr 2024 20:54

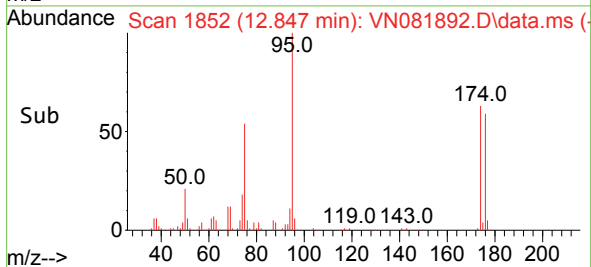
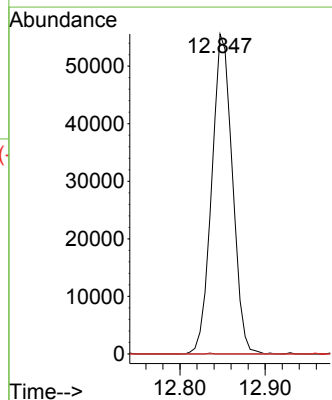
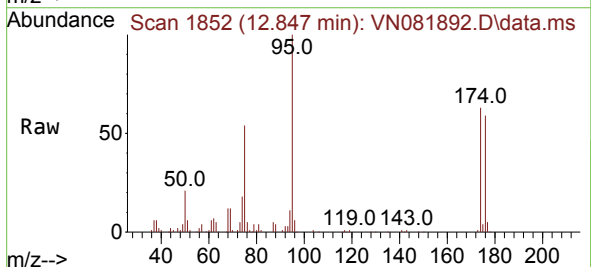
Instrument :
MSVOA_N
ClientSampleId :
IBLK

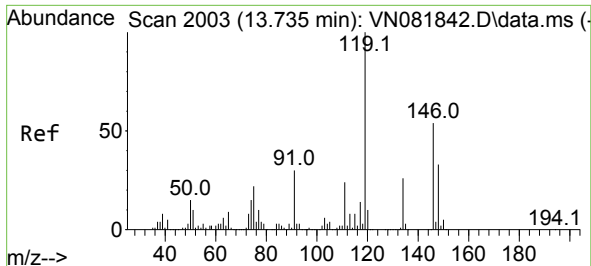
Tgt Ion: 75 Resp: 93652
Ion Ratio Lower Upper
75 100
77 1.5 90.5 271.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 51.485 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.106 min
Lab File: VN081892.D
Acq: 26 Apr 2024 20:54

Tgt Ion: 75 Resp: 93652
Ion Ratio Lower Upper
75 100
53 0.1 72.9 109.3#
89 0.0 39.1 58.7#

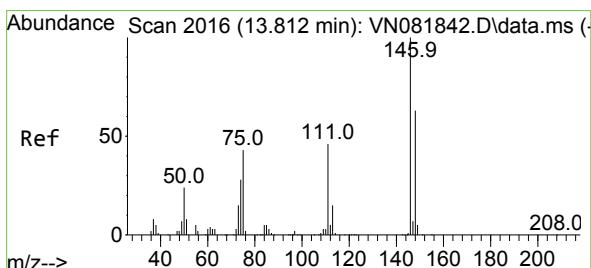
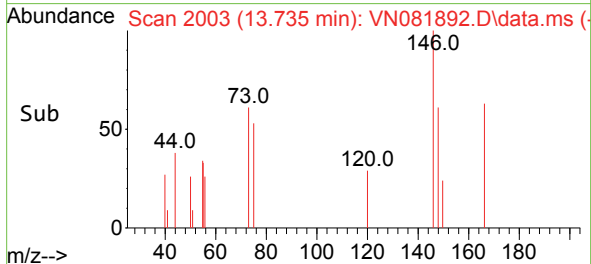
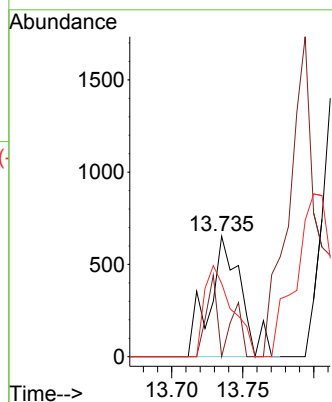
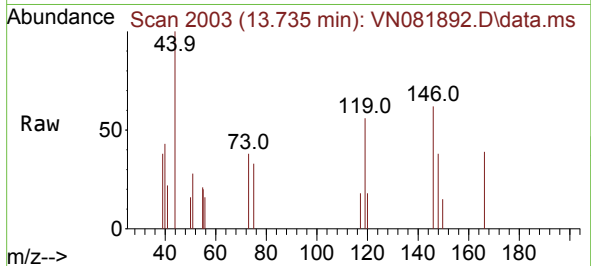




#87
1,3-Dichlorobenzene
Concen: 0.201 ug/l
RT: 13.735 min Scan# 2003
Delta R.T. 0.000 min
Lab File: VN081892.D
Acq: 26 Apr 2024 20:54

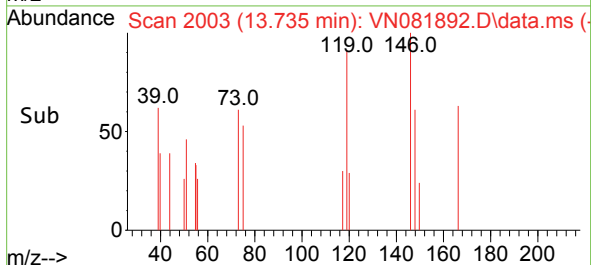
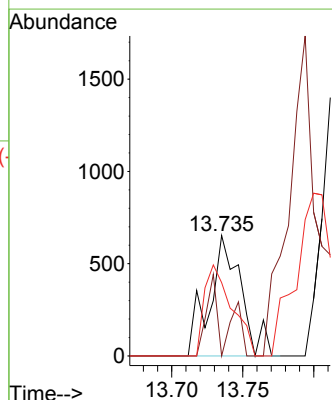
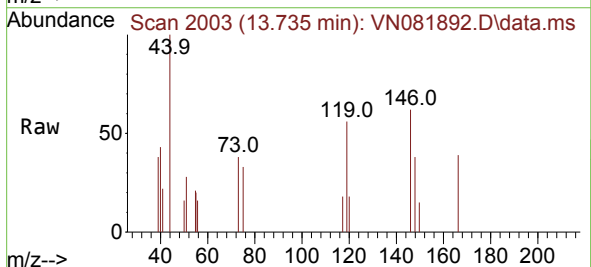
Instrument :
MSVOA_N
ClientSampleId :
IBLK

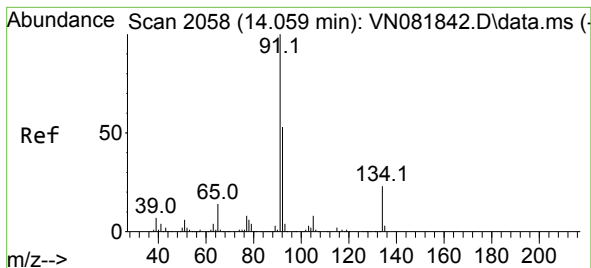
Tgt Ion:146 Resp: 1003
Ion Ratio Lower Upper
146 100
111 29.0 20.8 62.5
148 67.0 32.1 96.3



#88
1,4-Dichlorobenzene
Concen: 0.204 ug/l
RT: 13.735 min Scan# 2003
Delta R.T. -0.076 min
Lab File: VN081892.D
Acq: 26 Apr 2024 20:54

Tgt Ion:146 Resp: 1003
Ion Ratio Lower Upper
146 100
111 29.0 19.3 57.9
148 67.0 31.3 93.9





#89

n-Butylbenzene

Concen: 0.258 ug/l

RT: 14.053 min Scan# 2058

Delta R.T. -0.006 min

Lab File: VN081892.D

Acq: 26 Apr 2024 20:54

Instrument :

MSVOA_N

ClientSampleId :

IBLK

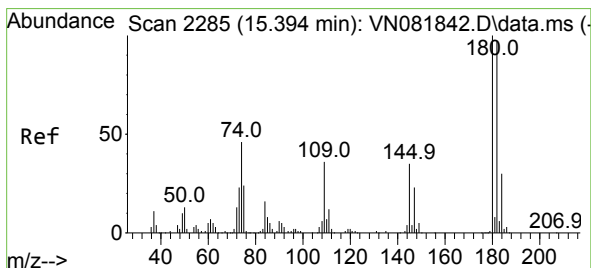
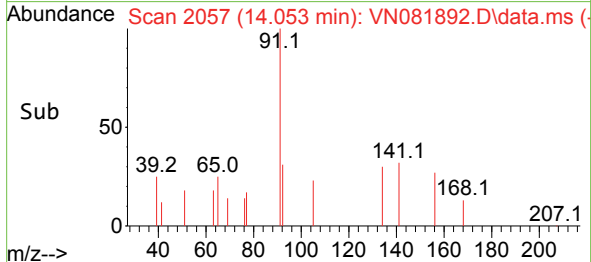
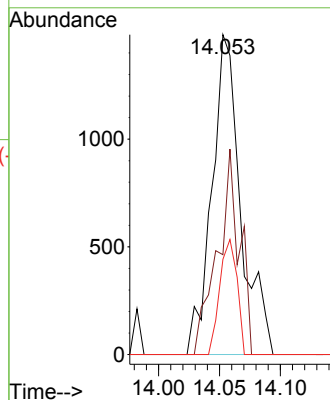
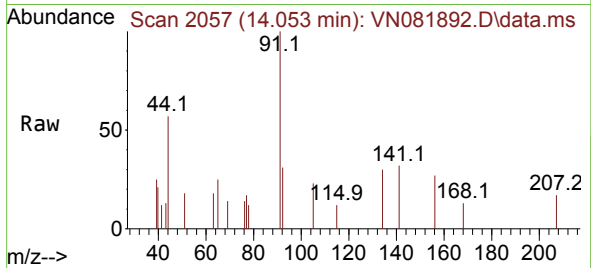
Tgt Ion: 91 Resp: 2451

Ion Ratio Lower Upper

91 100

92 49.1 26.2 78.5

134 21.5 13.2 39.5



#93

1,2,4-Trichlorobenzene

Concen: 0.527 ug/l

RT: 15.388 min Scan# 2284

Delta R.T. -0.006 min

Lab File: VN081892.D

Acq: 26 Apr 2024 20:54

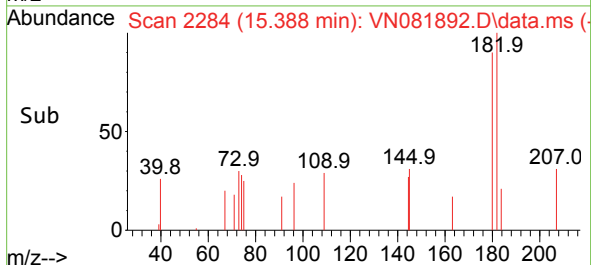
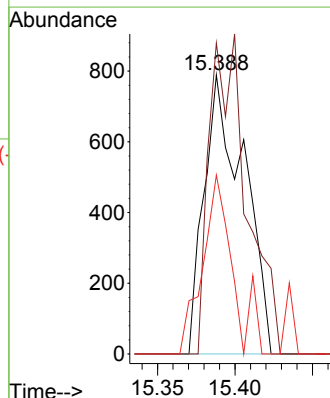
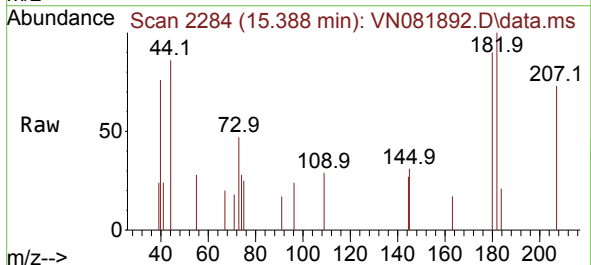
Tgt Ion: 180 Resp: 1411

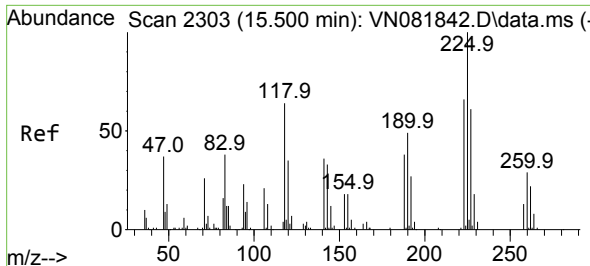
Ion Ratio Lower Upper

180 100

182 106.9 46.7 140.0

145 48.3 16.2 48.6

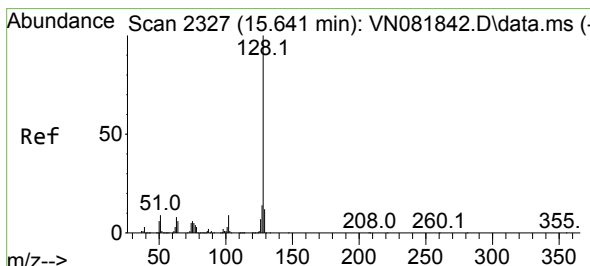
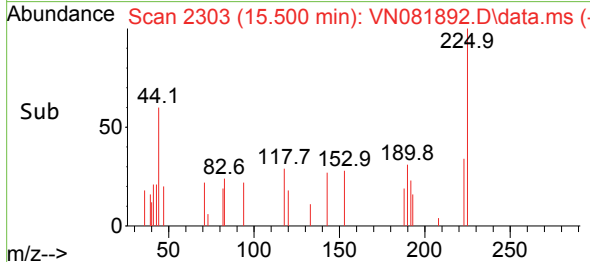
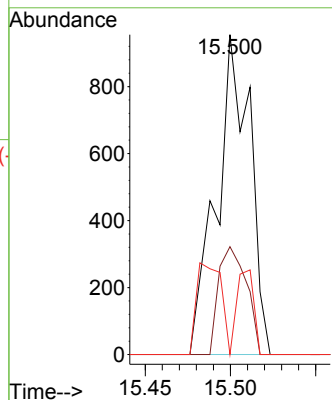
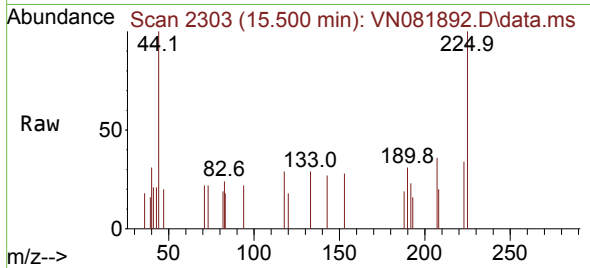




#94
Hexachlorobutadiene
Concen: 1.317 ug/l
RT: 15.500 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN081892.D
Acq: 26 Apr 2024 20:54

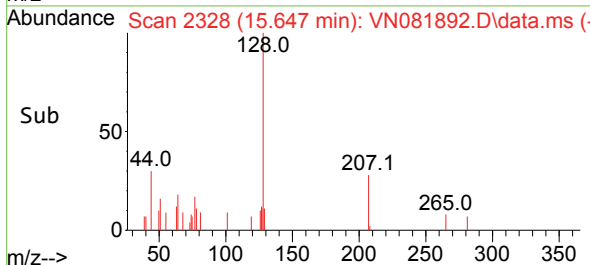
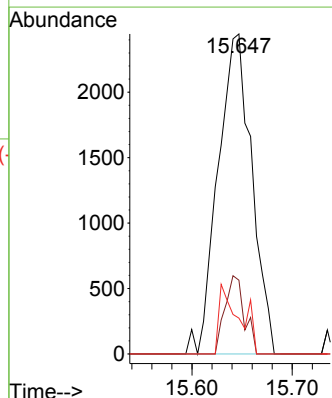
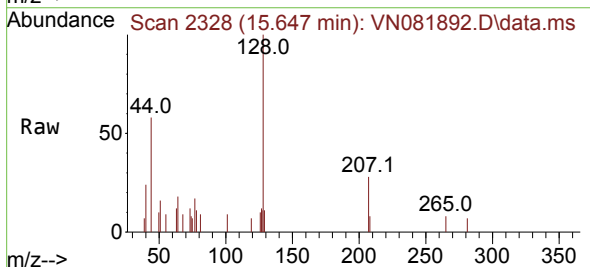
Instrument :
MSVOA_N
ClientSampleId :
IBLK

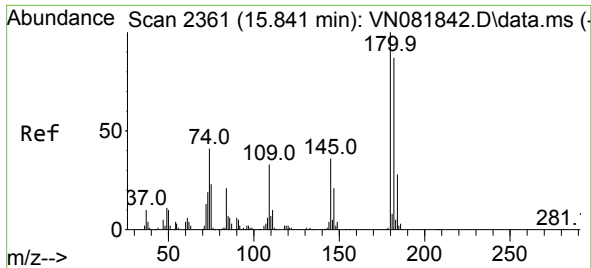
Tgt Ion:	225	Resp:	1299
Ion	Ratio	Lower	Upper
225	100		
223	28.3	31.1	93.2#
227	13.4	30.6	91.6#



#95
Naphthalene
Concen: 0.566 ug/l
RT: 15.647 min Scan# 2328
Delta R.T. 0.006 min
Lab File: VN081892.D
Acq: 26 Apr 2024 20:54

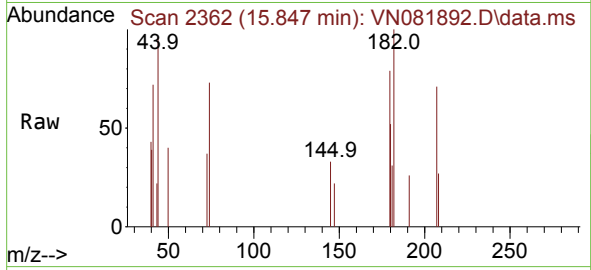
Tgt Ion:	128	Resp:	5724
Ion	Ratio	Lower	Upper
128	100		
127	14.1	10.1	15.1
129	13.1	8.9	13.3





#96
 1,2,3-Trichlorobenzene
 Concen: 0.778 ug/l
 RT: 15.847 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VN081892.D
 Acq: 26 Apr 2024 20:54

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK



Tgt Ion:	180	Resp:	2000
Ion	Ratio	Lower	Upper
180	100		
182	83.9	46.0	137.8
145	15.4	17.1	51.3#

