

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021524\
 Data File : VN081043.D
 Acq On : 15 Feb 2024 16:42
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Feb 16 00:25:55 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021424W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 15 07:59:19 2024
 Response via : Initial Calibration

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

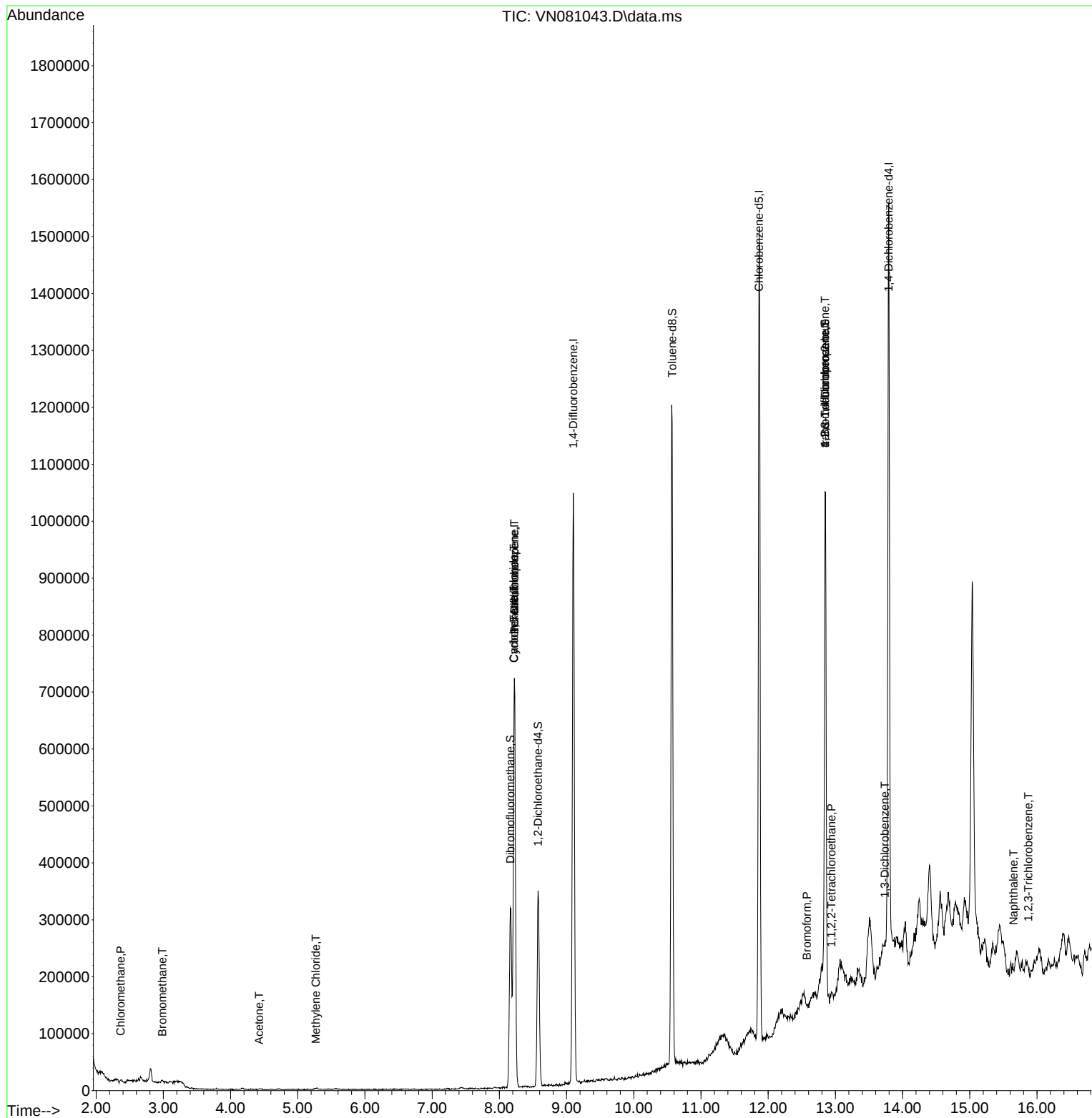
Internal Standards						
1) Pentafluorobenzene	8.224	168	525778	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	911274	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	827854	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	330532	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	272691	42.165	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	84.340%
35) Dibromofluoromethane	8.165	113	225629	43.184	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	86.360%
50) Toluene-d8	10.571	98	808747	43.890	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	87.780%
62) 4-Bromofluorobenzene	12.847	95	316376	50.483	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	100.960%
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	8623	0.865	ug/l #	77
5) Bromomethane	2.983	94	1788	0.500	ug/l #	73
13) Acrolein	4.177	56	3070	Below Cal		87
16) Acetone	4.424	43	1354	0.535	ug/l	93
20) Methylene Chloride	5.271	84	1883	0.286	ug/l #	57
31) Cyclohexane	8.218	56	13178	1.173	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	42775	4.907	ug/l #	44
38) Carbon Tetrachloride	8.218	117	57151	8.957	ug/l #	18
49) 1,4-Dioxane	9.700	88	721	Below Cal	#	64
71) Bromoform	12.576	173	909	0.299	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.941	83	2285	0.279	ug/l #	33
76) 1,2,3-Trichloropropane	12.847	75	164727	22.555	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	164727	52.504	ug/l #	14
87) 1,3-Dichlorobenzene	13.735	146	3985	0.346	ug/l #	58
90) Hexachloroethane	14.312	117	888	Below Cal		69
92) 1,2-Dibromo-3-Chloropr...	14.723	75	635	Below Cal	#	1
95) Naphthalene	15.653	128	6457	0.272	ug/l #	1
96) 1,2,3-Trichlorobenzene	15.870	180	1956	0.299	ug/l #	31

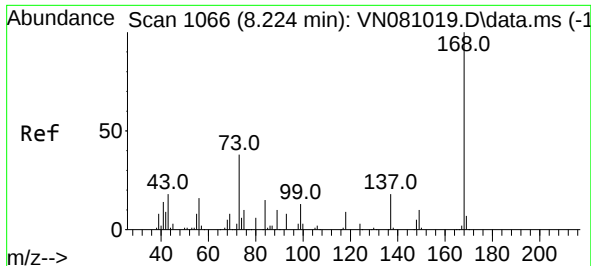
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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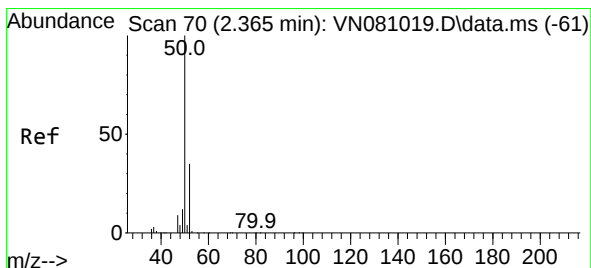
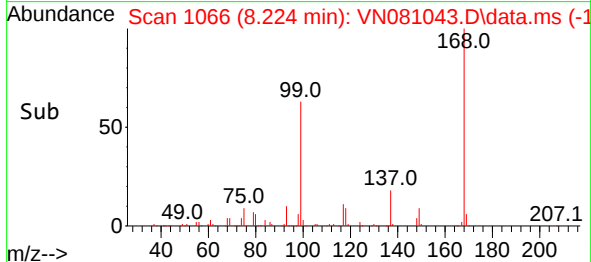
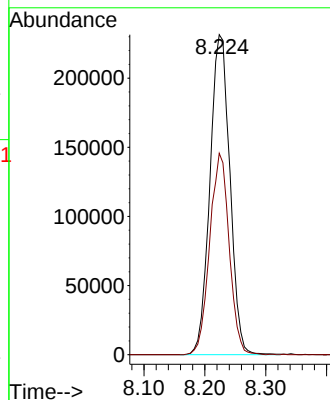
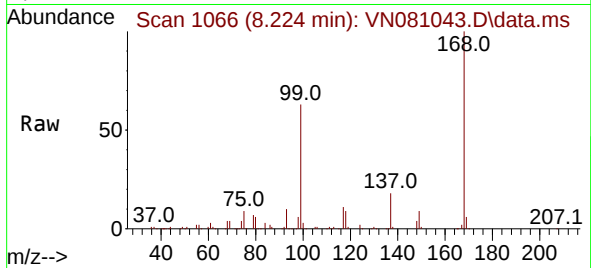




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN081043.D
Acq: 15 Feb 2024 16:42

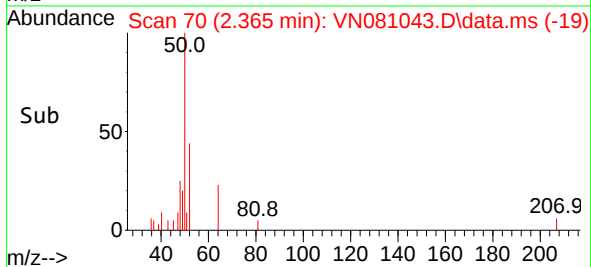
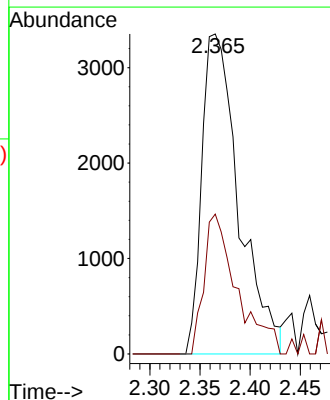
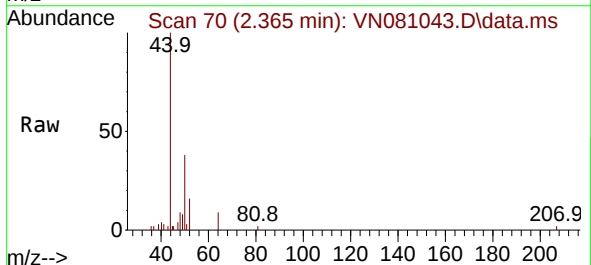
Instrument :
MSVOA_N
ClientSampleId :
IBLK

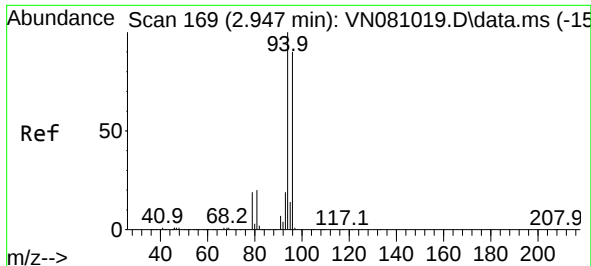
Tgt Ion:168 Resp: 525778
Ion Ratio Lower Upper
168 100
99 63.0 59.9 89.9



#3
Chloromethane
Concen: 0.865 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.000 min
Lab File: VN081043.D
Acq: 15 Feb 2024 16:42

Tgt Ion: 50 Resp: 8623
Ion Ratio Lower Upper
50 100
52 43.7 25.0 37.4#

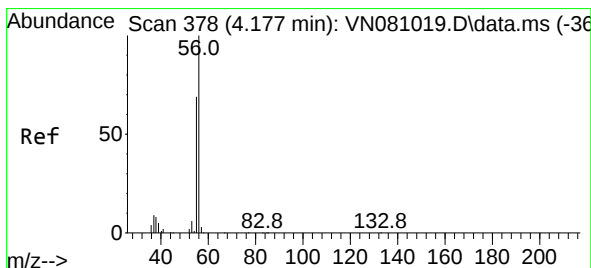
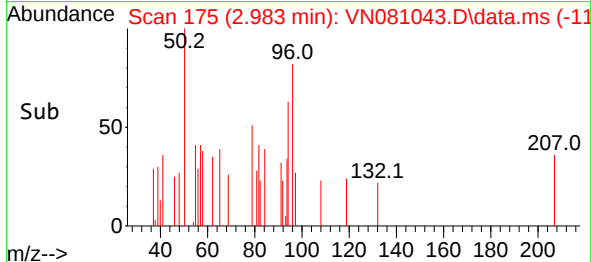
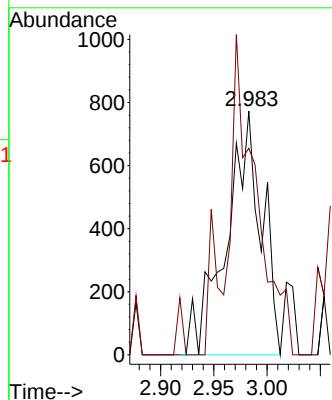
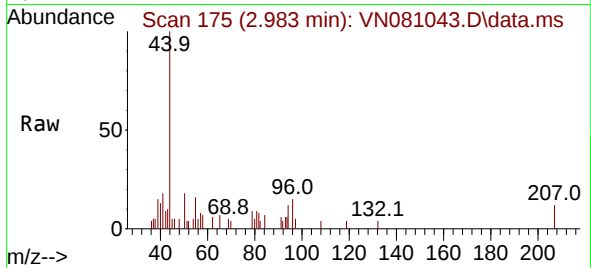




#5
Bromomethane
Concen: 0.500 ug/l
RT: 2.983 min Scan# 11
Delta R.T. 0.035 min
Lab File: VN081043.D
Acq: 15 Feb 2024 16:42

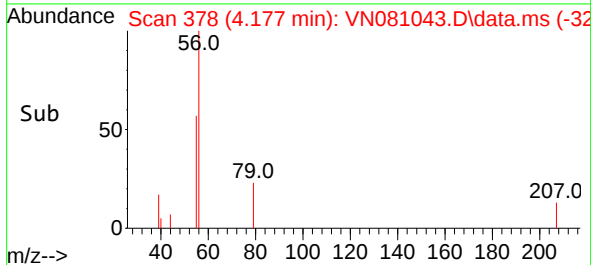
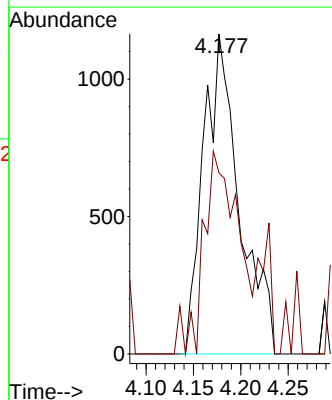
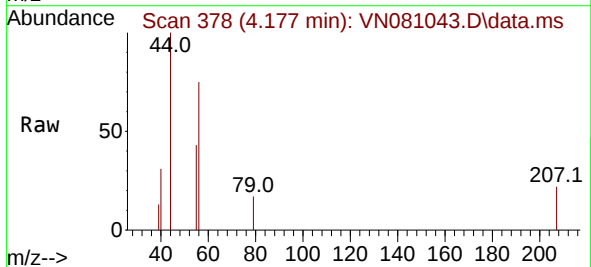
Instrument :
MSVOA_N
ClientSampleId :
IBLK

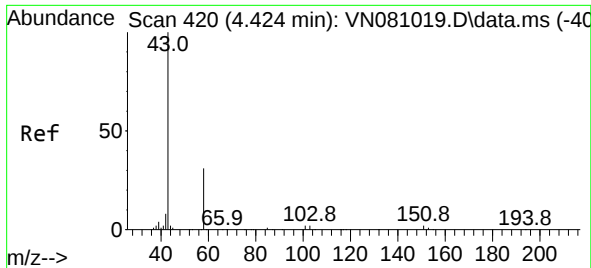
Tgt Ion: 94 Resp: 1788
Ion Ratio Lower Upper
94 100
96 61.3 69.2 103.8#



#13
Acrolein
Concen: Below Cal
RT: 4.177 min Scan# 378
Delta R.T. -0.000 min
Lab File: VN081043.D
Acq: 15 Feb 2024 16:42

Tgt Ion: 56 Resp: 3070
Ion Ratio Lower Upper
56 100
55 58.8 55.3 82.9





#16

Acetone

Concen: 0.535 ug/l

RT: 4.424 min Scan# 43

Delta R.T. 0.000 min

Lab File: VN081043.D

Acq: 15 Feb 2024 16:42

Instrument :

MSVOA_N

ClientSampleId :

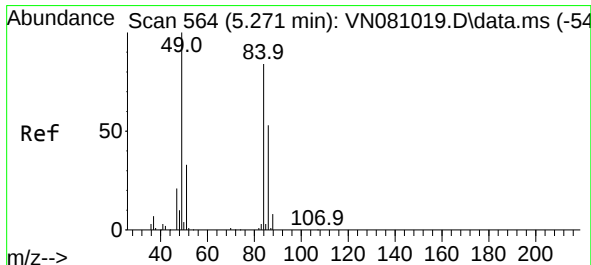
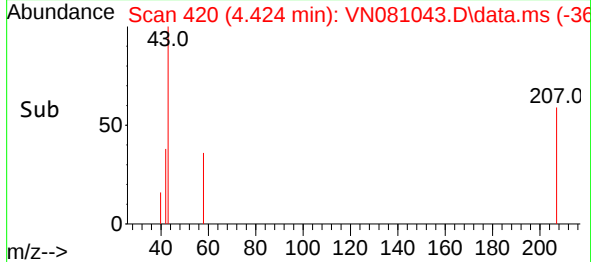
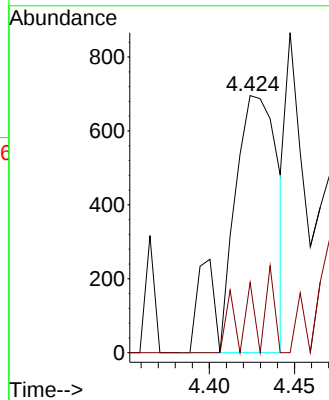
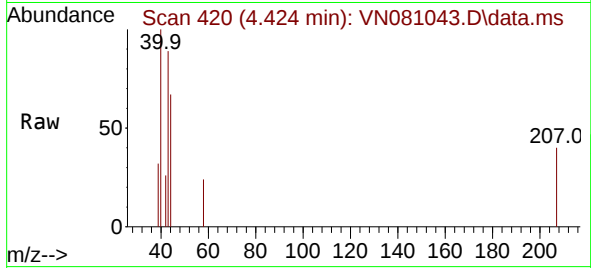
IBLK

Tgt Ion: 43 Resp: 1354

Ion Ratio Lower Upper

43 100

58 27.3 24.8 37.2



#20

Methylene Chloride

Concen: 0.286 ug/l

RT: 5.271 min Scan# 564

Delta R.T. 0.000 min

Lab File: VN081043.D

Acq: 15 Feb 2024 16:42

Tgt Ion: 84 Resp: 1883

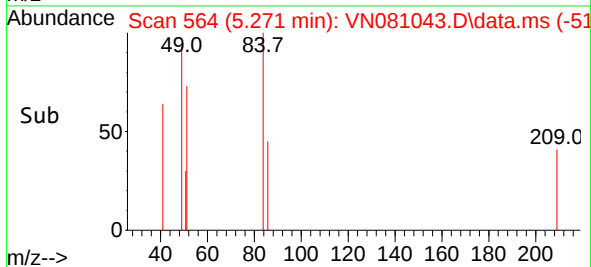
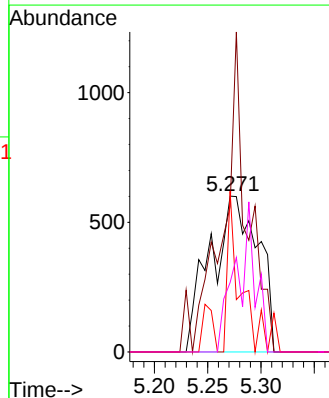
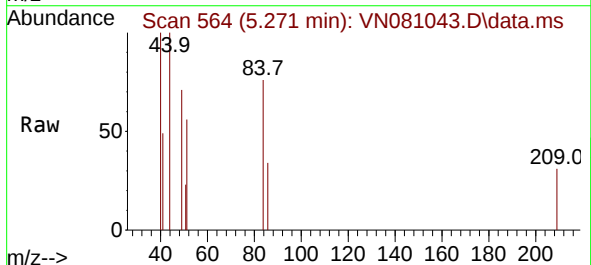
Ion Ratio Lower Upper

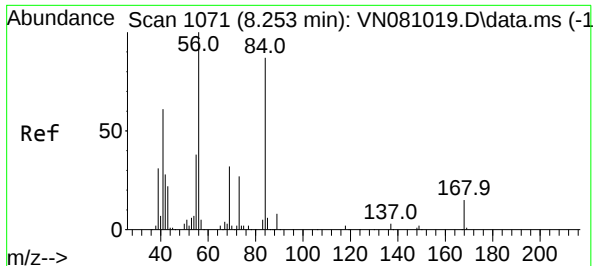
84 100

49 93.2 108.1 162.1#

51 103.2 32.9 49.3#

86 44.6 48.6 73.0#

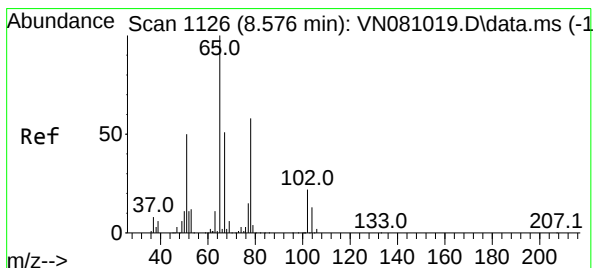
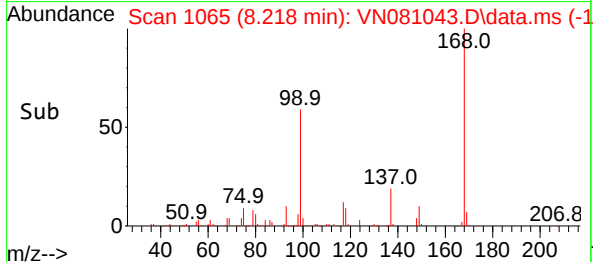
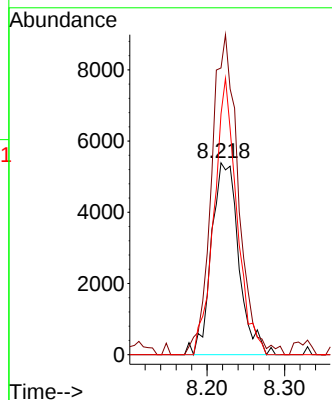
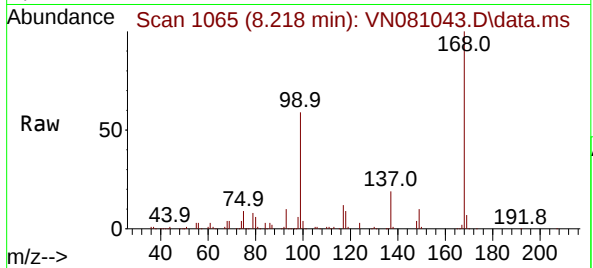




#31
Cyclohexane
Concen: 1.173 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN081043.D
Acq: 15 Feb 2024 16:42

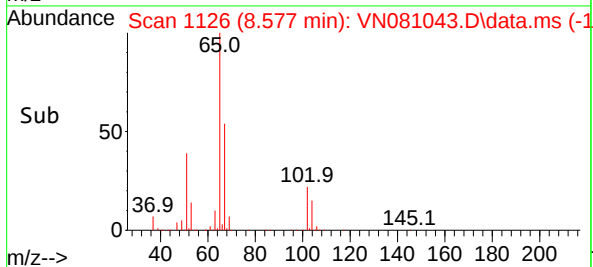
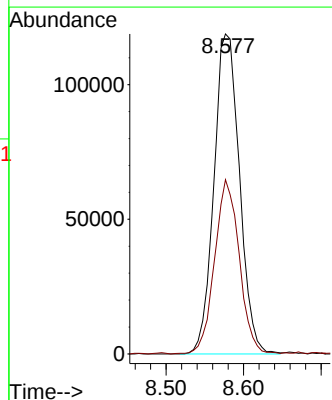
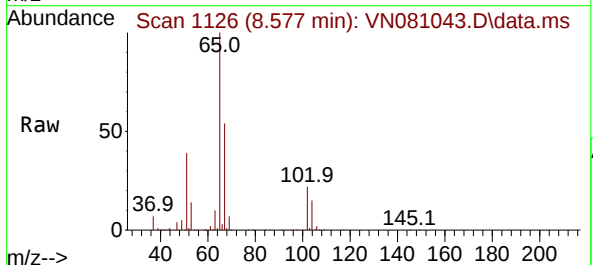
Instrument :
MSVOA_N
ClientSampleId :
IBLK

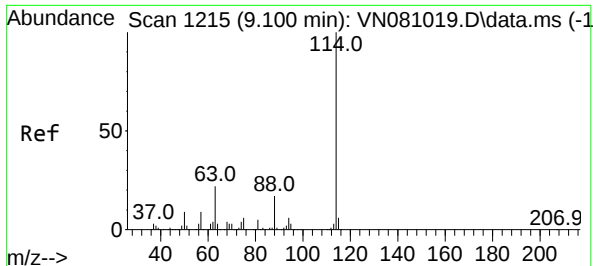
Tgt Ion: 56 Resp: 13178
Ion Ratio Lower Upper
56 100
69 149.5 20.1 30.1#
84 139.9 56.9 85.3#



#33
1,2-Dichloroethane-d4
Concen: 42.165 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN081043.D
Acq: 15 Feb 2024 16:42

Tgt Ion: 65 Resp: 272691
Ion Ratio Lower Upper
65 100
67 52.6 0.0 102.4

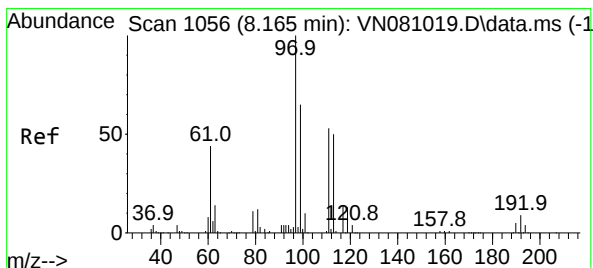
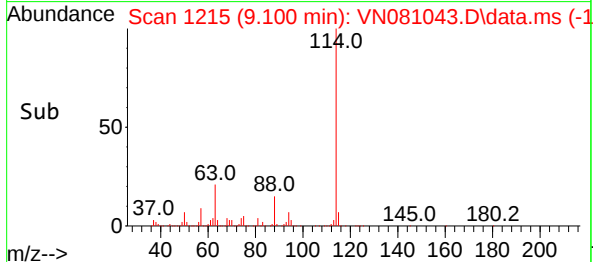
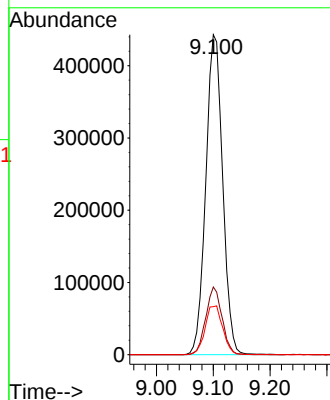
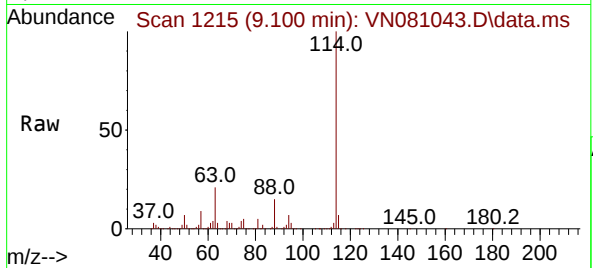




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN081043.D
Acq: 15 Feb 2024 16:42

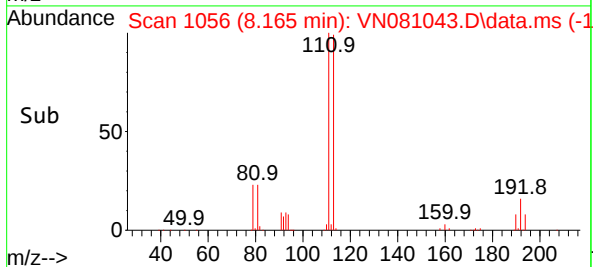
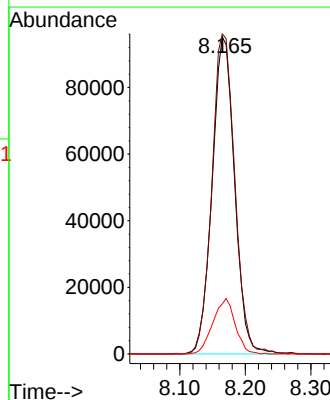
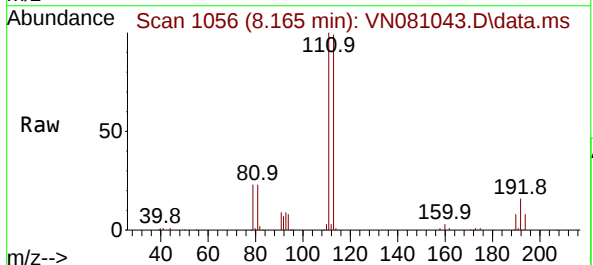
Instrument :
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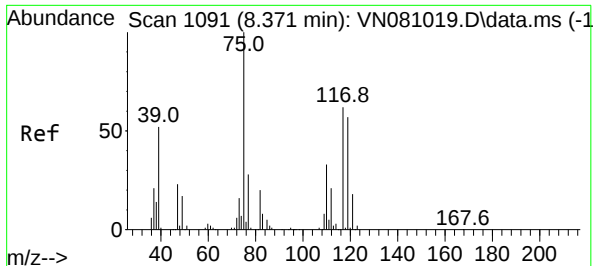
Tgt Ion:114 Resp: 911274
Ion Ratio Lower Upper
114 100
63 21.1 0.0 48.0
88 15.0 0.0 34.8



#35
Dibromofluoromethane
Concen: 43.184 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN081043.D
Acq: 15 Feb 2024 16:42

Tgt Ion:113 Resp: 225629
Ion Ratio Lower Upper
113 100
111 103.1 82.2 123.4
192 17.4 12.5 18.7





#36

1,1-Dichloropropene

Concen: 4.907 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

Lab File: VN081043.D

Acq: 15 Feb 2024 16:42

Instrument :

MSVOA_N

ClientSampleId :

IBLK

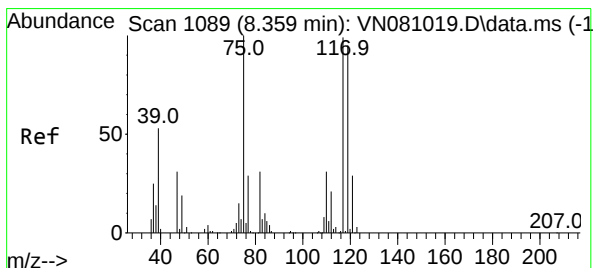
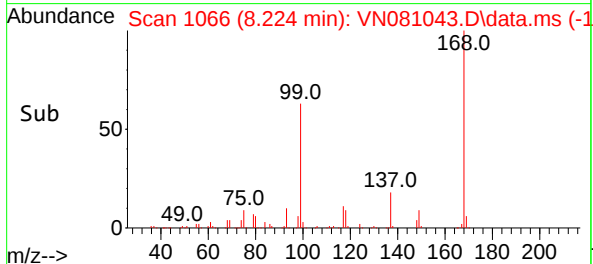
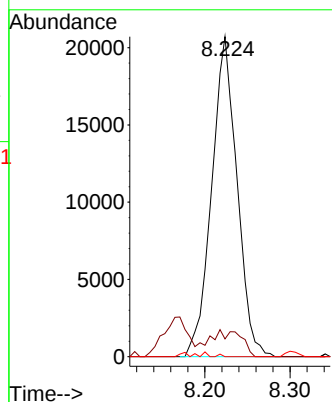
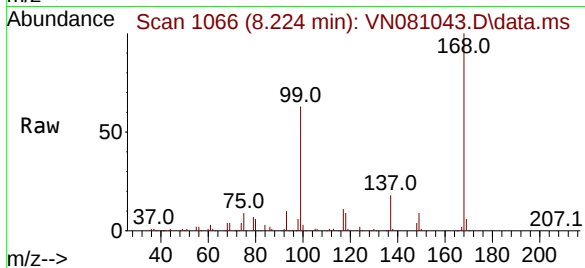
Tgt Ion: 75 Resp: 42775

Ion Ratio Lower Upper

75 100

110 2.0 16.0 48.0#

77 0.1 25.8 38.6#



#38

Carbon Tetrachloride

Concen: 8.957 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.141 min

Lab File: VN081043.D

Acq: 15 Feb 2024 16:42

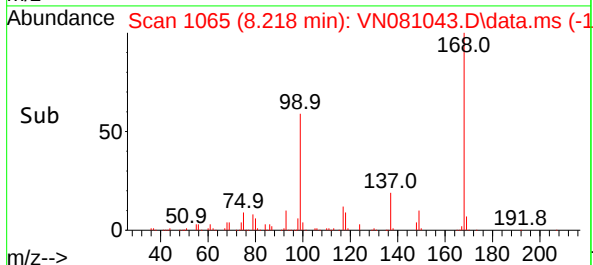
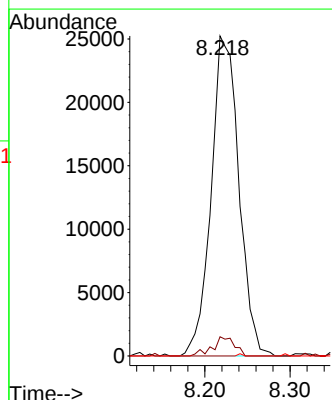
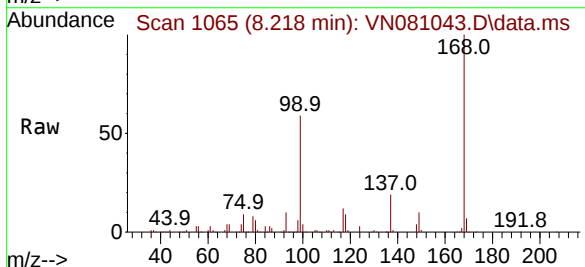
Tgt Ion: 117 Resp: 57151

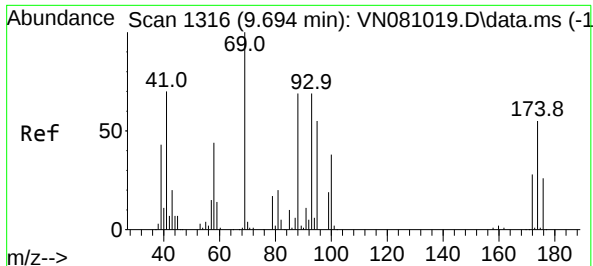
Ion Ratio Lower Upper

117 100

119 6.0 73.4 110.2#

121 0.0 24.4 36.6#





#49

1,4-Dioxane

Concen: Below Cal

RT: 9.700 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN081043.D

Acq: 15 Feb 2024 16:42

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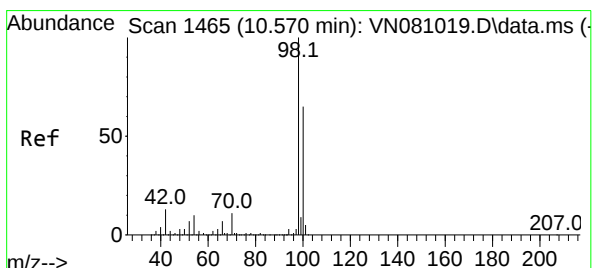
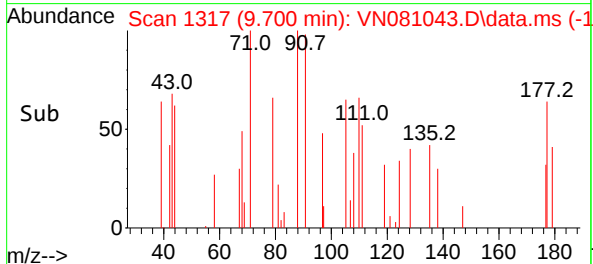
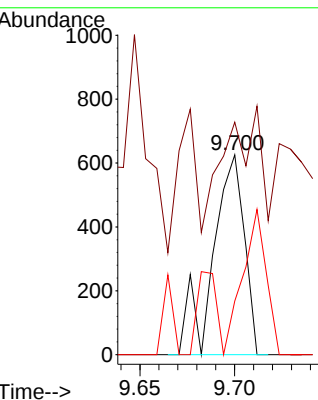
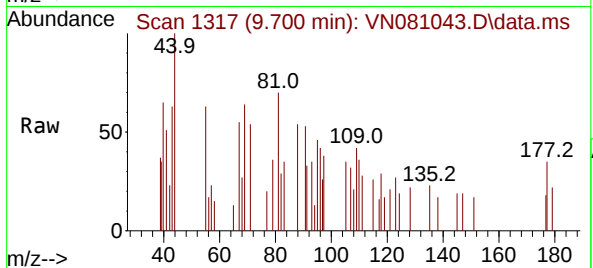
Tgt Ion: 88 Resp: 721

Ion Ratio Lower Upper

88 100

43 68.7 30.1 45.1#

58 54.6 63.9 95.9#



#50

Toluene-d8

Concen: 43.890 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.000 min

Lab File: VN081043.D

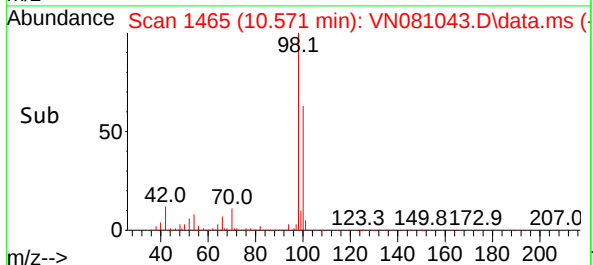
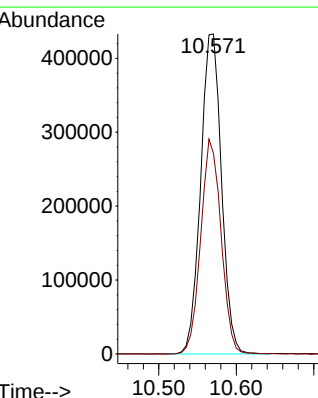
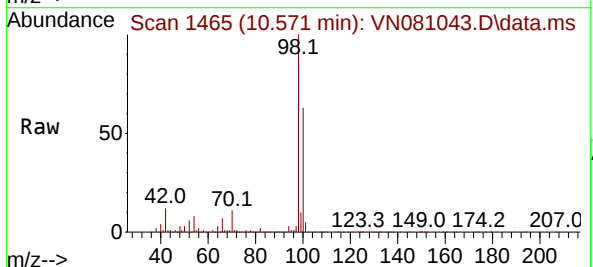
Acq: 15 Feb 2024 16:42

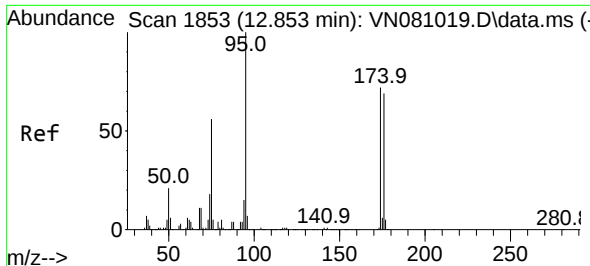
Tgt Ion: 98 Resp: 808747

Ion Ratio Lower Upper

98 100

100 65.4 51.4 77.0

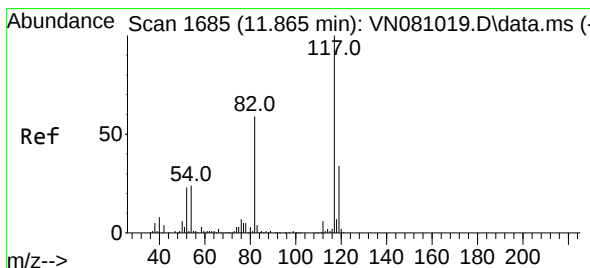
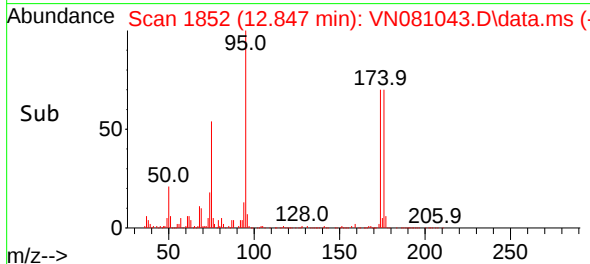
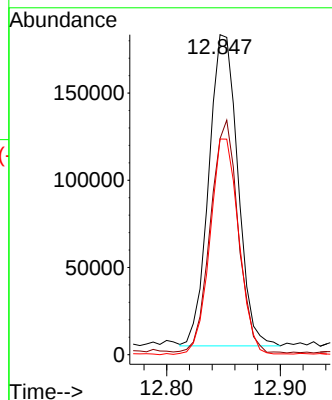
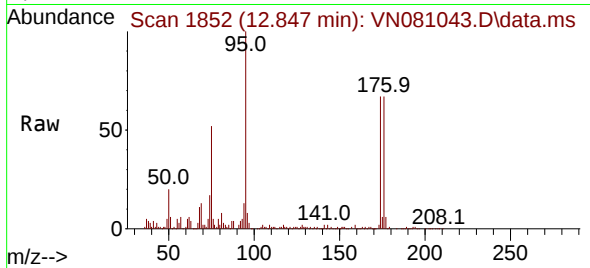




#62
4-Bromofluorobenzene
Concen: 50.483 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.006 min
Lab File: VN081043.D
Acq: 15 Feb 2024 16:42

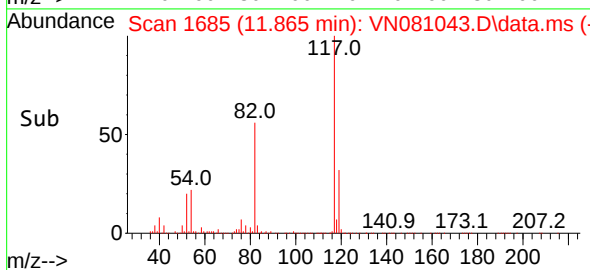
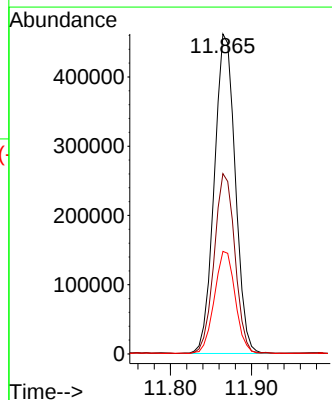
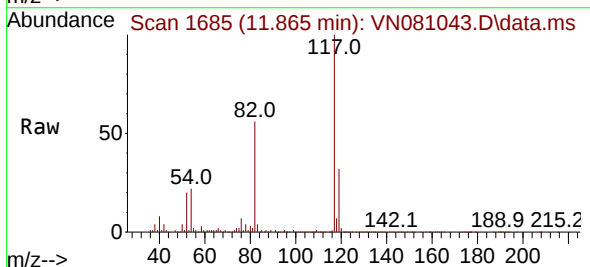
Instrument :
MSVOA_N
ClientSampleId :
IBLK

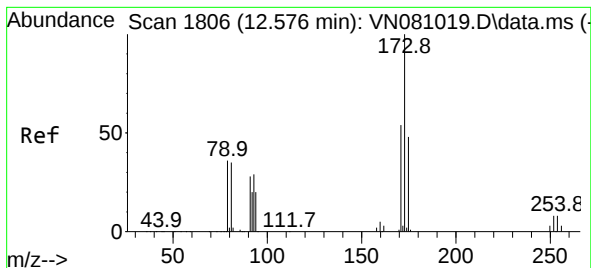
Tgt Ion: 95 Resp: 316376
Ion Ratio Lower Upper
95 100
174 71.5 0.0 120.4
176 69.0 0.0 121.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN081043.D
Acq: 15 Feb 2024 16:42

Tgt Ion: 117 Resp: 827854
Ion Ratio Lower Upper
117 100
82 56.2 52.7 79.1
119 31.9 25.3 37.9





#71

Bromoform

Concen: 0.299 ug/l

RT: 12.576 min Scan# 1806

Delta R.T. 0.000 min

Lab File: VN081043.D

Acq: 15 Feb 2024 16:42

Instrument :

MSVOA_N

ClientSampleId :

IBLK

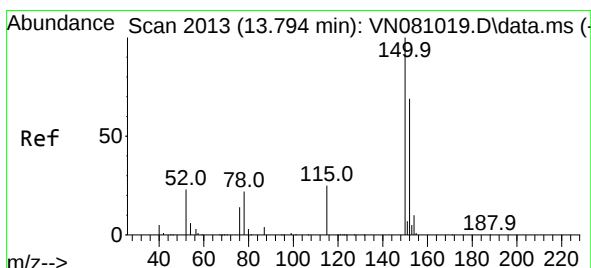
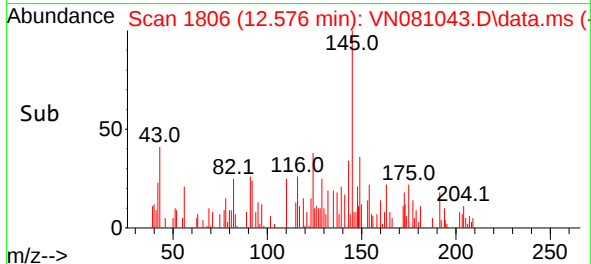
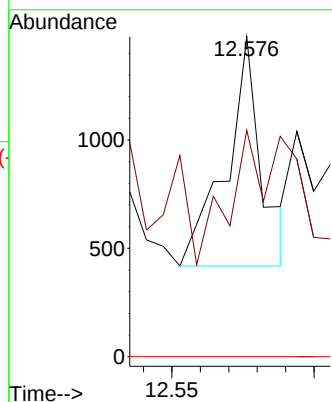
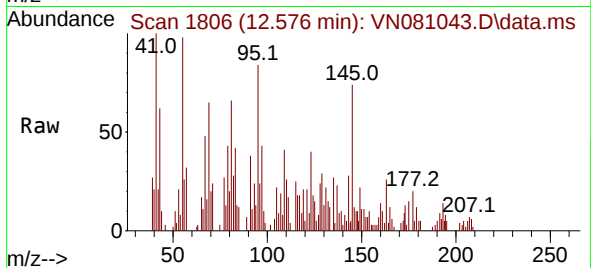
Tgt Ion:173 Resp: 909

Ion Ratio Lower Upper

173 100

175 113.5 23.1 69.2#

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 1213

Delta R.T. 0.000 min

Lab File: VN081043.D

Acq: 15 Feb 2024 16:42

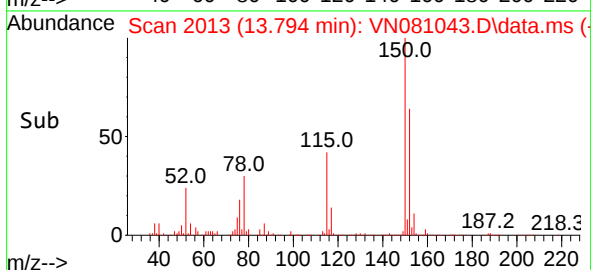
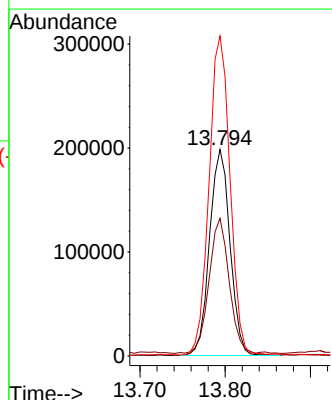
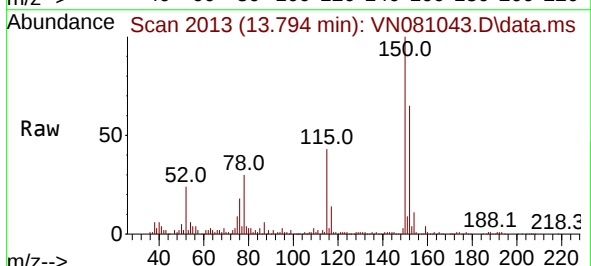
Tgt Ion:152 Resp: 330532

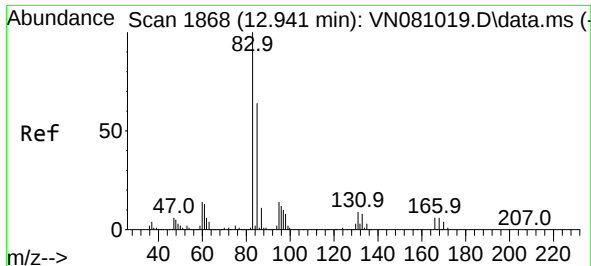
Ion Ratio Lower Upper

152 100

115 64.4 32.3 96.8

150 158.4 0.0 339.8

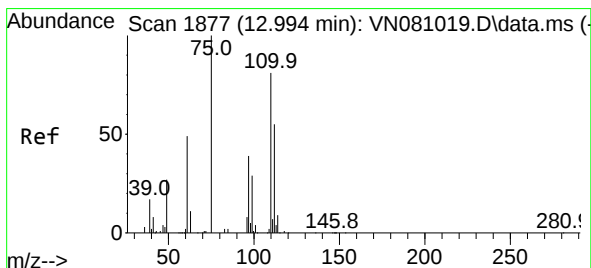
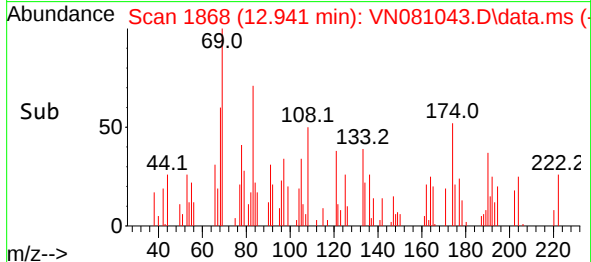
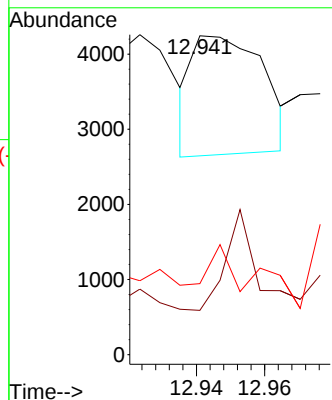
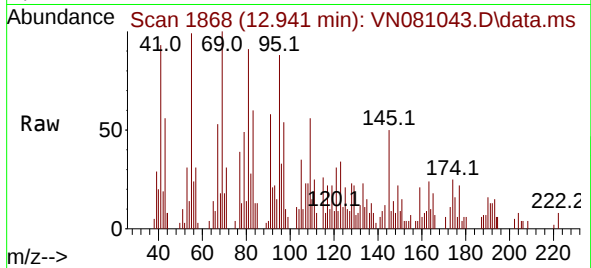




#75
 1,1,2,2-Tetrachloroethane
 Concen: 0.279 ug/l
 RT: 12.941 min Scan# 1868
 Delta R.T. 0.000 min
 Lab File: VN081043.D
 Acq: 15 Feb 2024 16:42

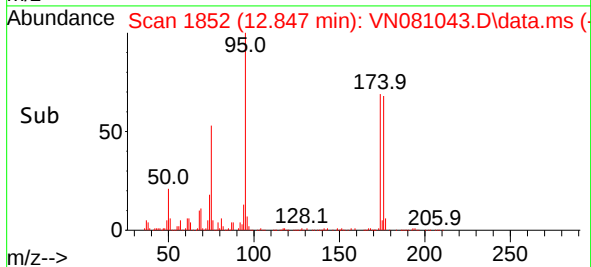
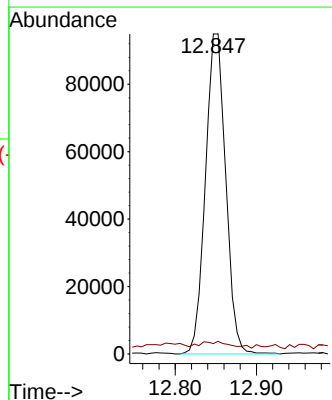
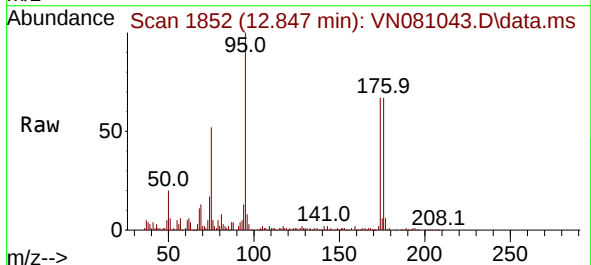
Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

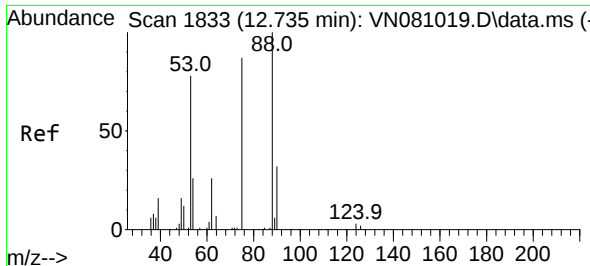
Tgt Ion: 83 Resp: 2285
 Ion Ratio Lower Upper
 83 100
 131 37.3 4.1 12.3#
 85 12.8 32.1 96.3#



#76
 1,2,3-Trichloropropane
 Concen: 22.555 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.147 min
 Lab File: VN081043.D
 Acq: 15 Feb 2024 16:42

Tgt Ion: 75 Resp: 164727
 Ion Ratio Lower Upper
 75 100
 77 1.1 91.0 272.8#

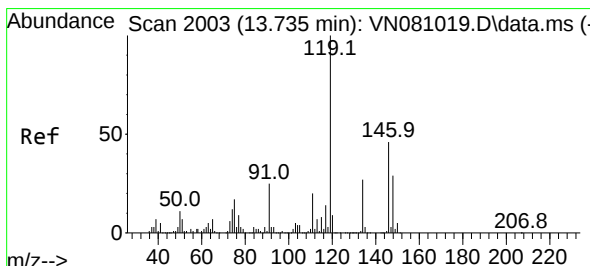
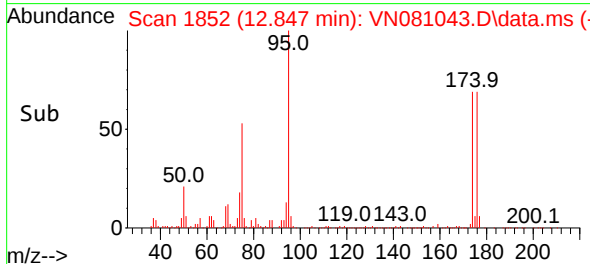
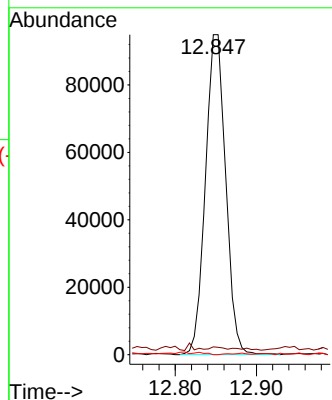
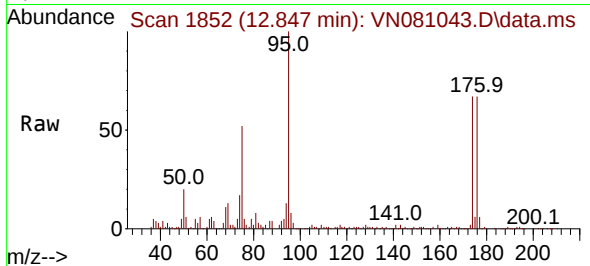




#81
trans-1,4-Dichloro-2-butene
Concen: 52.504 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN081043.D
Acq: 15 Feb 2024 16:42

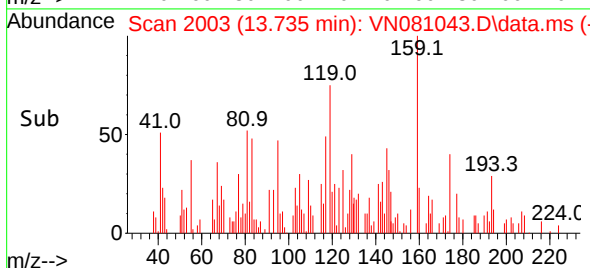
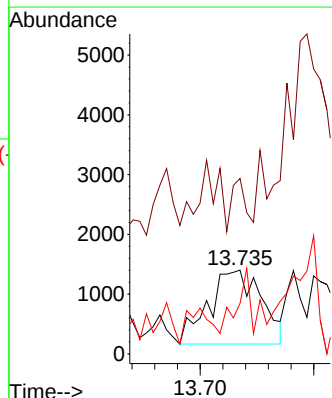
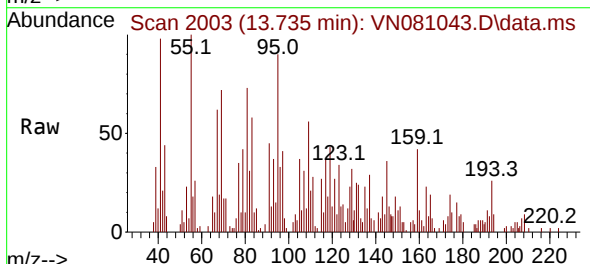
Instrument :
MSVOA_N
ClientSampleId :
IBLK

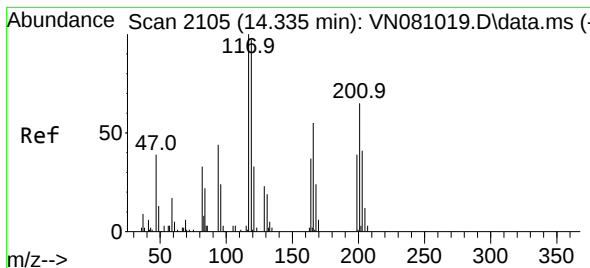
Tgt Ion: 75 Resp: 164727
Ion Ratio Lower Upper
75 100
53 0.4 71.4 107.2#
89 0.0 33.4 50.0#



#87
1,3-Dichlorobenzene
Concen: 0.346 ug/l
RT: 13.735 min Scan# 2003
Delta R.T. 0.000 min
Lab File: VN081043.D
Acq: 15 Feb 2024 16:42

Tgt Ion: 146 Resp: 3985
Ion Ratio Lower Upper
146 100
111 18.9 23.9 71.7#
148 32.1 32.6 97.7#





#90

Hexachloroethane

Concen: Below Cal

RT: 14.312 min Scan# 2105

Delta R.T. -0.024 min

Lab File: VN081043.D

Acq: 15 Feb 2024 16:42

Instrument :

MSVOA_N

ClientSampleId :

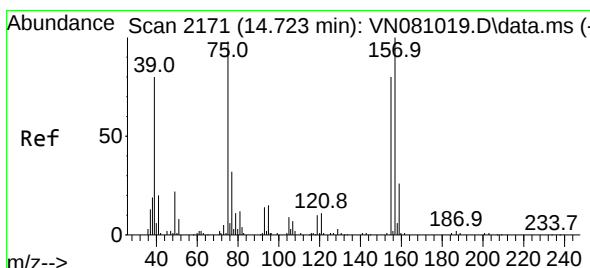
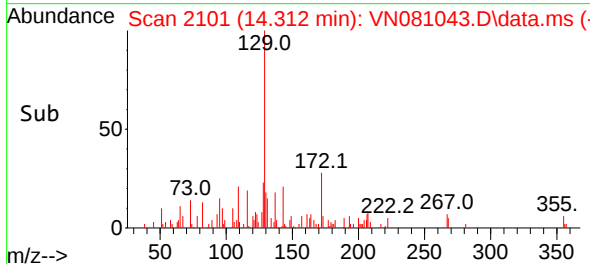
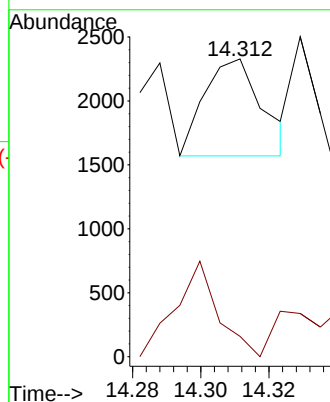
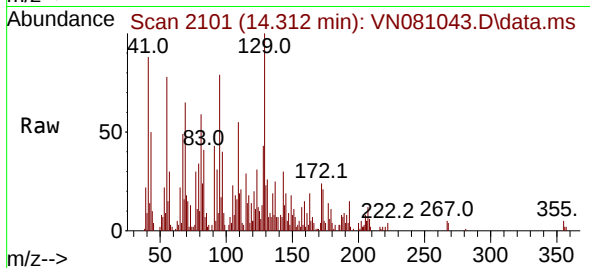
IBLK

Tgt Ion:117 Resp: 888

Ion Ratio Lower Upper

117 100

201 36.8 30.0 90.0



#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.723 min Scan# 2171

Delta R.T. 0.000 min

Lab File: VN081043.D

Acq: 15 Feb 2024 16:42

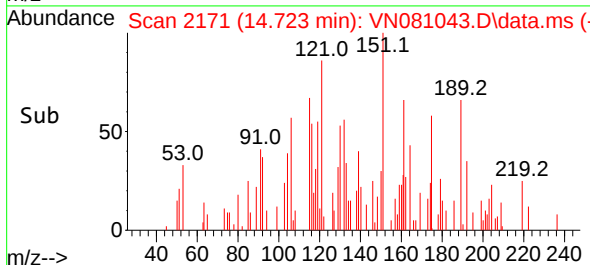
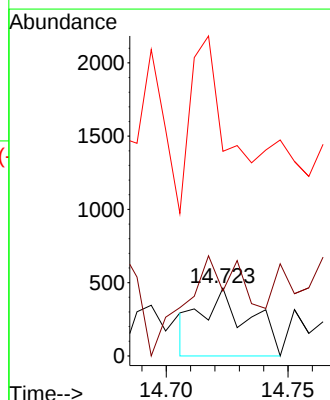
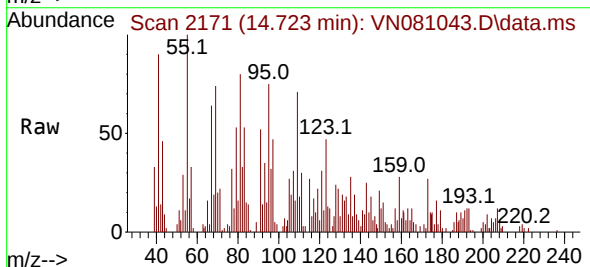
Tgt Ion: 75 Resp: 635

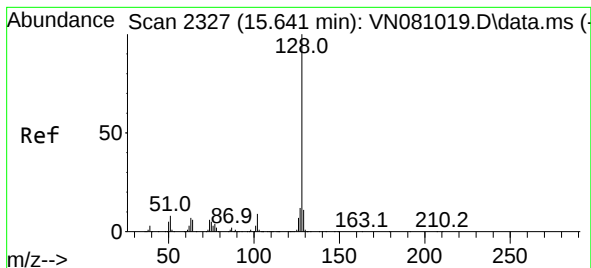
Ion Ratio Lower Upper

75 100

155 192.1 31.8 95.4#

157 194.8 41.1 123.4#





#95

Naphthalene

Concen: 0.272 ug/l

RT: 15.653 min Scan# 2329

Delta R.T. 0.012 min

Lab File: VN081043.D

Acq: 15 Feb 2024 16:42

Instrument :

MSVOA_N

ClientSampleId :

IBLK

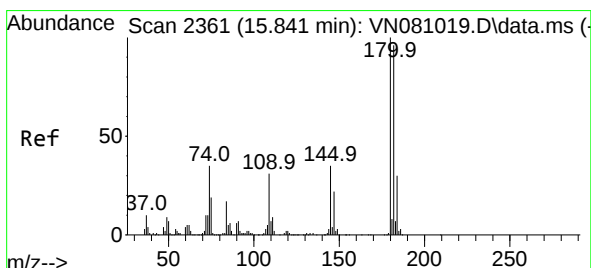
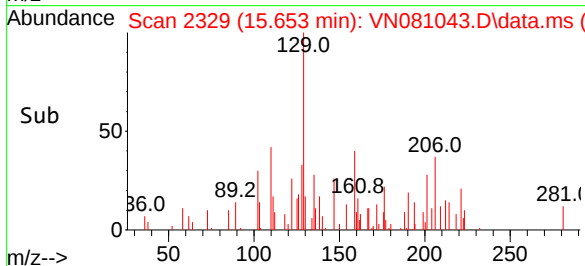
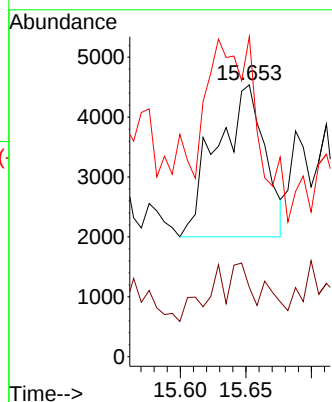
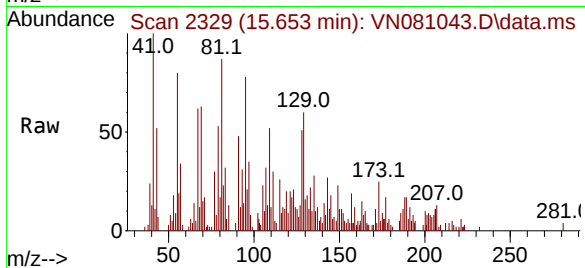
Tgt Ion:128 Resp: 6457

Ion Ratio Lower Upper

128 100

127 13.6 10.0 15.0

129 123.0 8.7 13.1#



#96

1,2,3-Trichlorobenzene

Concen: 0.299 ug/l

RT: 15.870 min Scan# 2366

Delta R.T. 0.030 min

Lab File: VN081043.D

Acq: 15 Feb 2024 16:42

Tgt Ion:180 Resp: 1956

Ion Ratio Lower Upper

180 100

182 24.3 46.5 139.3#

145 0.0 17.8 53.4#

