

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091024\
 Data File : VN083748.D
 Acq On : 10 Sep 2024 11:56
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Sep 11 01:58:28 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 11 01:38:19 2024
 Response via : Initial Calibration

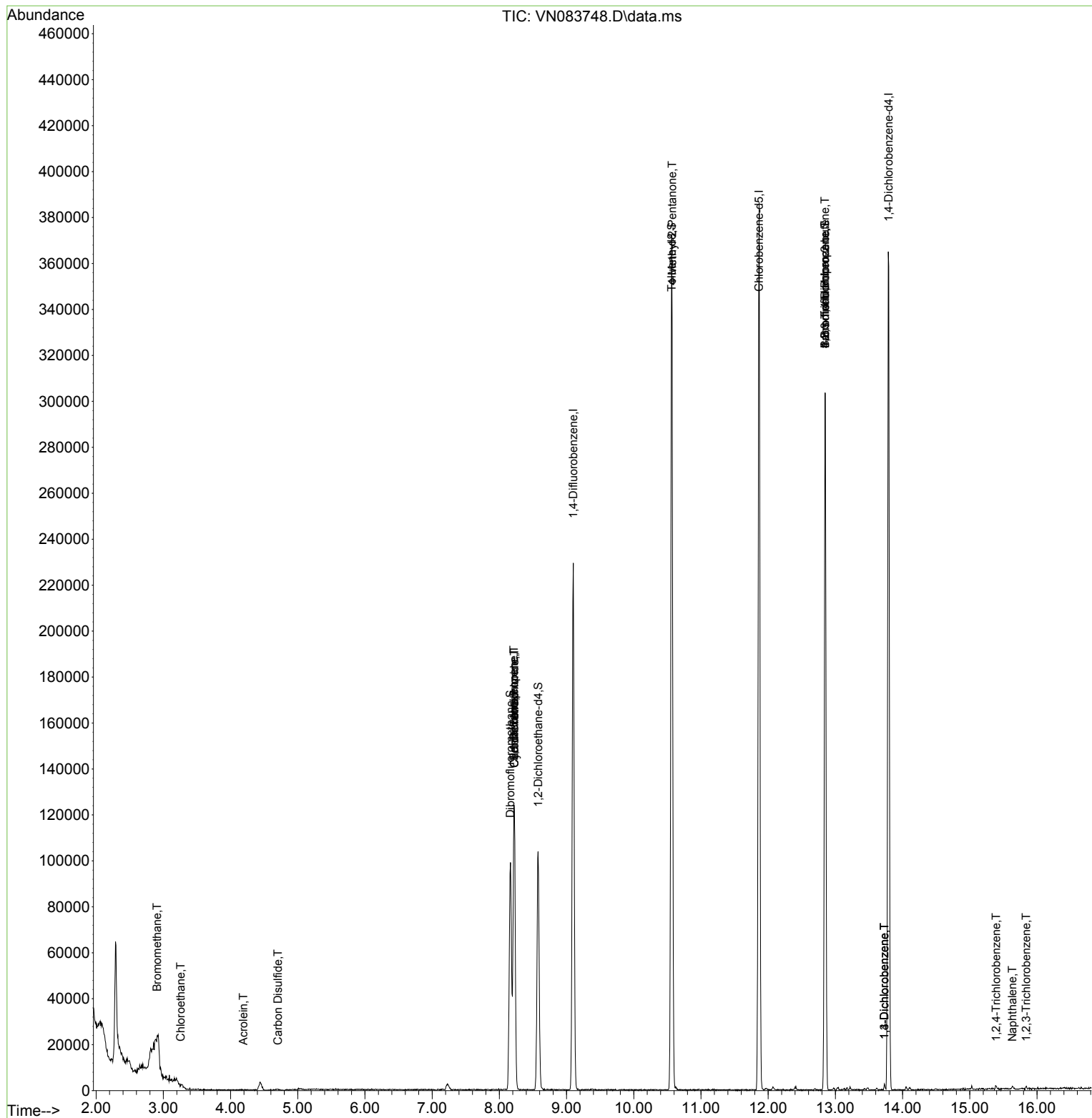
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	86304	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	186203	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	211629	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	94613	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	87492	67.232	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 134.460%#	
35) Dibromofluoromethane	8.165	113	70202	58.892	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 117.780%	
50) Toluene-d8	10.565	98	249521	60.549	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 121.100%#	
62) 4-Bromofluorobenzene	12.847	95	103930	61.128	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 122.260%#	
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	851	Below Cal	#	41
5) Bromomethane	2.906	94	283	0.449	ug/l	87
6) Chloroethane	3.259	64	372	0.488	ug/l #	45
13) Acrolein	4.189	56	56	0.326	ug/l #	63
17) Carbon Disulfide	4.706	76	843	0.323	ug/l #	75
18) Methyl Acetate	5.024	43	889	Below Cal	#	52
31) Cyclohexane	8.224	56	2248	1.195	ug/l #	38
36) 1,1-Dichloropropene	8.218	75	7792	4.343	ug/l #	49
38) Carbon Tetrachloride	8.224	117	10181	5.002	ug/l #	12
51) 4-Methyl-2-Pentanone	10.571	43	1267	0.789	ug/l #	1
71) Bromoform	12.847	173	339	0.309	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	57404	30.069	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	57404	78.752	ug/l #	9
87) 1,3-Dichlorobenzene	13.729	146	833	0.251	ug/l	89
88) 1,4-Dichlorobenzene	13.729	146	833	0.247	ug/l	89
93) 1,2,4-Trichlorobenzene	15.394	180	717	0.416	ug/l	68
95) Naphthalene	15.635	128	1583	0.302	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.841	180	427	0.259	ug/l #	69

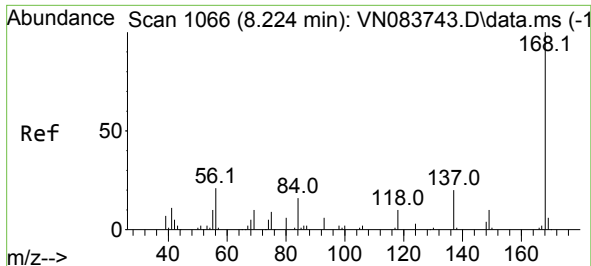
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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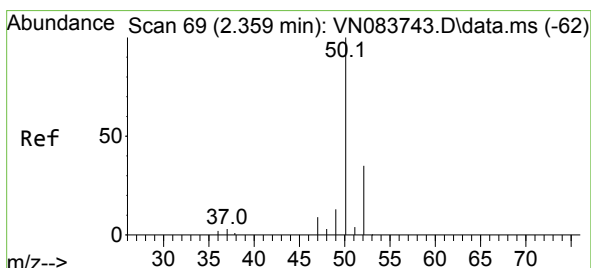
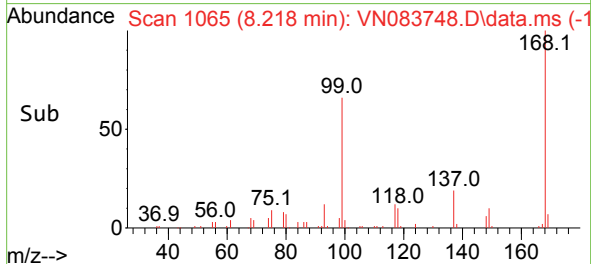
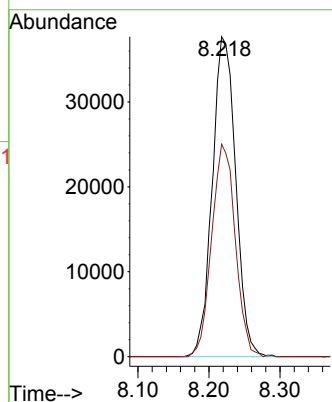
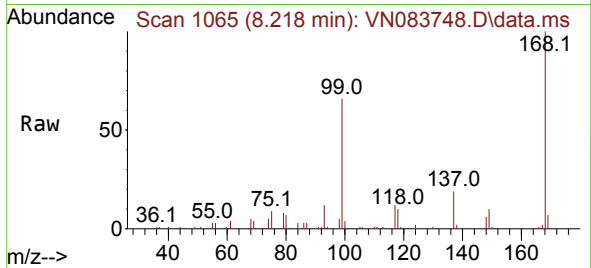




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN083748.D
Acq: 10 Sep 2024 11:56

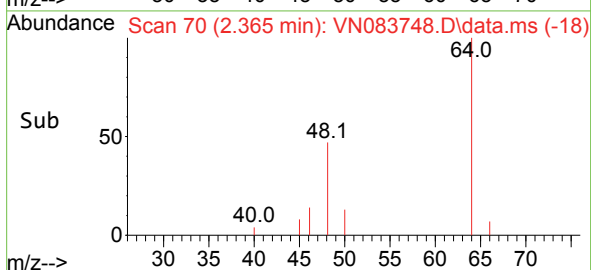
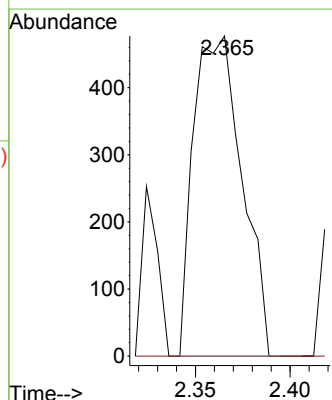
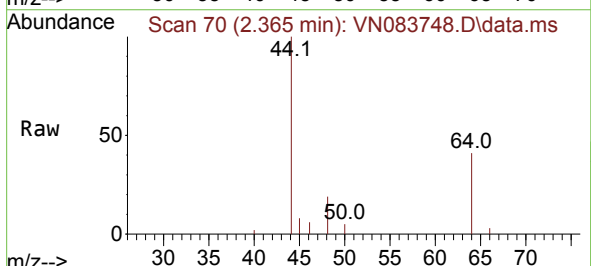
Instrument :
MSVOA_N
ClientSampleId :
IBLK

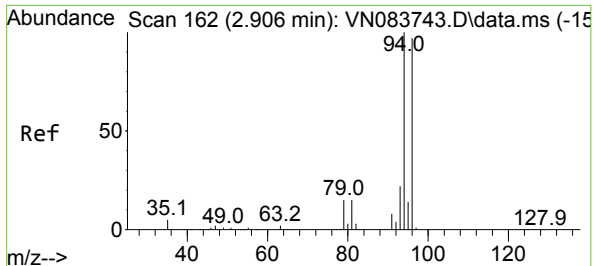
Tgt Ion:168 Resp: 86304
Ion Ratio Lower Upper
168 100
99 66.4 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN083748.D
Acq: 10 Sep 2024 11:56

Tgt Ion: 50 Resp: 851
Ion Ratio Lower Upper
50 100
52 0.0 27.2 40.8#

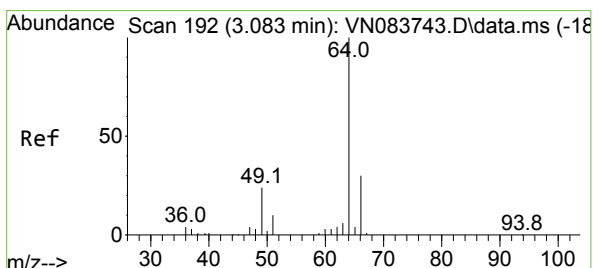
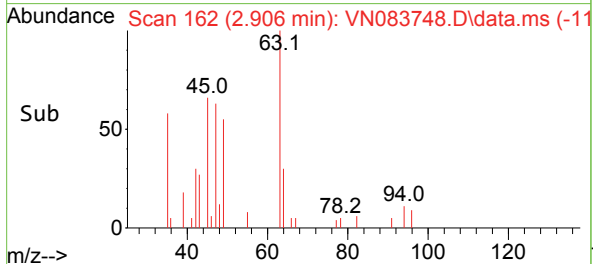
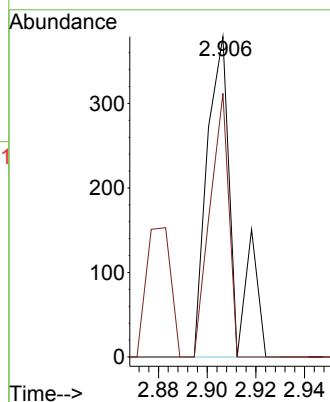
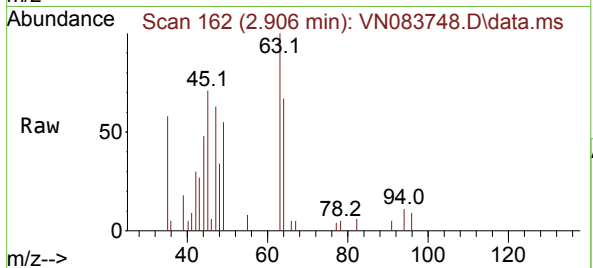




#5
Bromomethane
Concen: 0.449 ug/l
RT: 2.906 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN083748.D
Acq: 10 Sep 2024 11:56

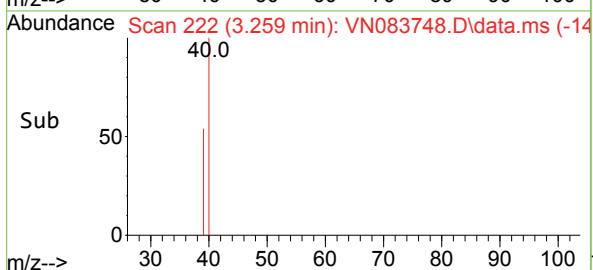
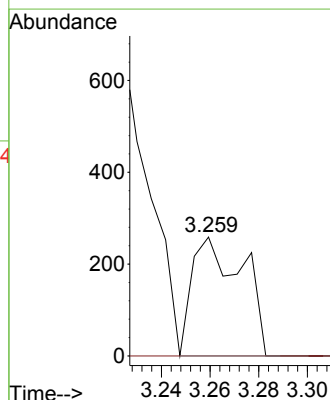
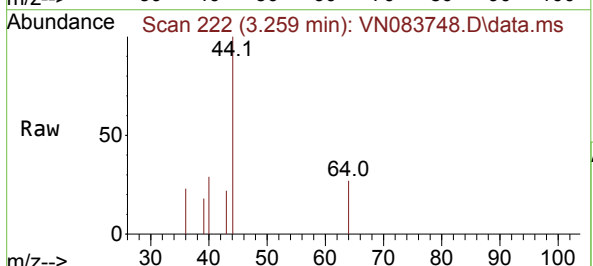
Instrument :
MSVOA_N
ClientSampleId :
IBLK

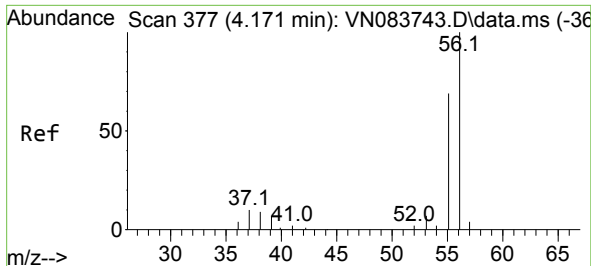
Tgt Ion: 94 Resp: 283
Ion Ratio Lower Upper
94 100
96 82.3 76.0 114.0



#6
Chloroethane
Concen: 0.488 ug/l
RT: 3.259 min Scan# 222
Delta R.T. 0.176 min
Lab File: VN083748.D
Acq: 10 Sep 2024 11:56

Tgt Ion: 64 Resp: 372
Ion Ratio Lower Upper
64 100
66 0.0 23.9 35.9#





#13

Acrolein

Concen: 0.326 ug/l

RT: 4.189 min Scan# 3

Delta R.T. 0.018 min

Lab File: VN083748.D

Acq: 10 Sep 2024 11:56

Instrument :

MSVOA_N

ClientSampleId :

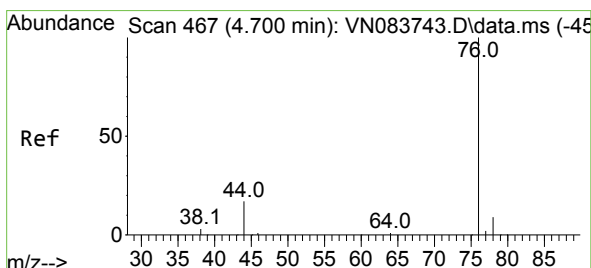
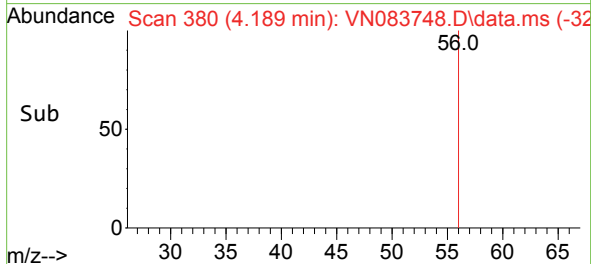
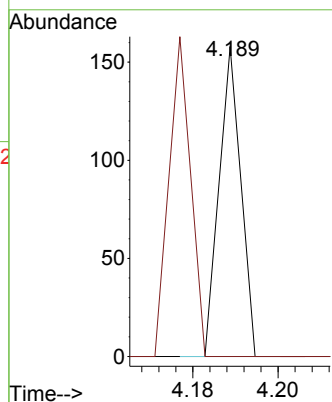
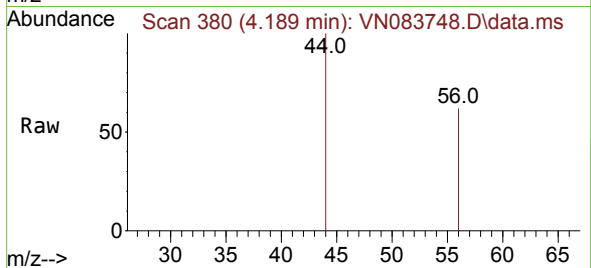
IBLK

Tgt Ion: 56 Resp: 56

Ion Ratio Lower Upper

56 100

55 103.6 58.2 87.2#



#17

Carbon Disulfide

Concen: 0.323 ug/l

RT: 4.706 min Scan# 468

Delta R.T. 0.006 min

Lab File: VN083748.D

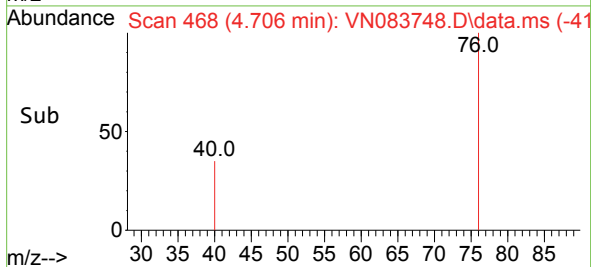
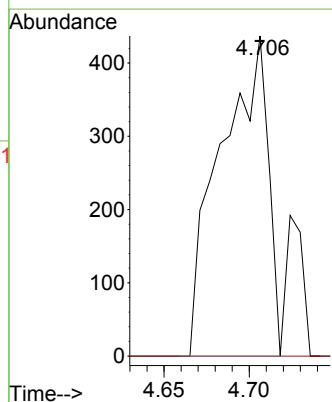
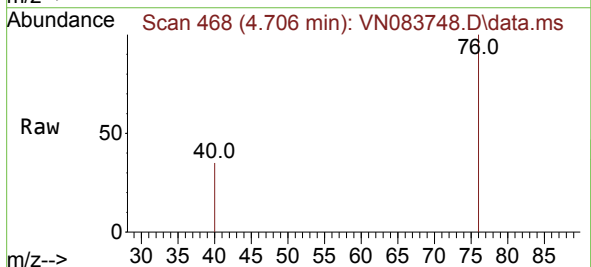
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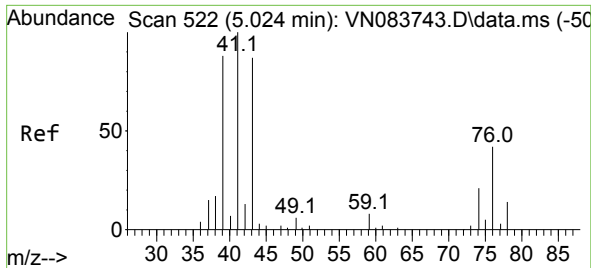
Tgt Ion: 76 Resp: 843

Ion Ratio Lower Upper

76 100

78 0.0 7.1 10.7#

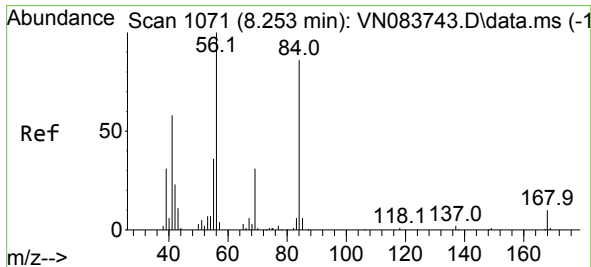
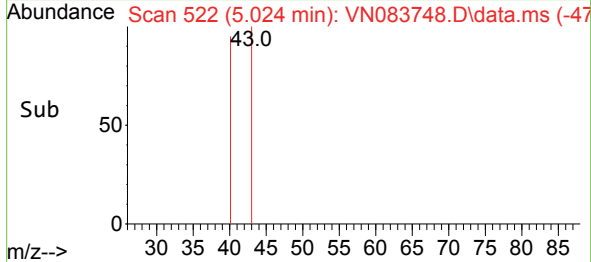
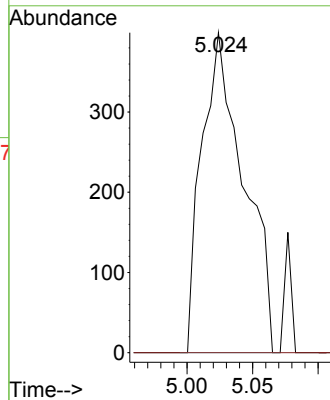
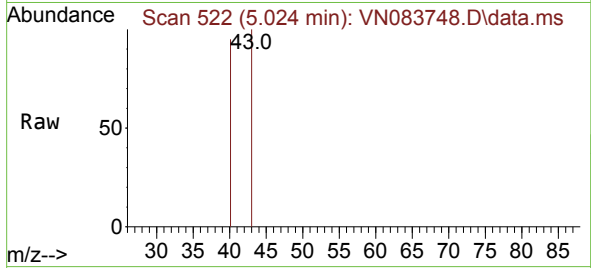




#18
Methyl Acetate
Concen: Below Cal
RT: 5.024 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN083748.D
Acq: 10 Sep 2024 11:56

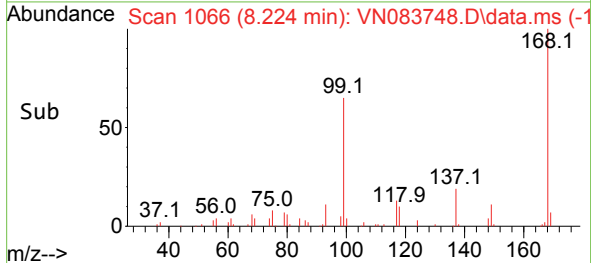
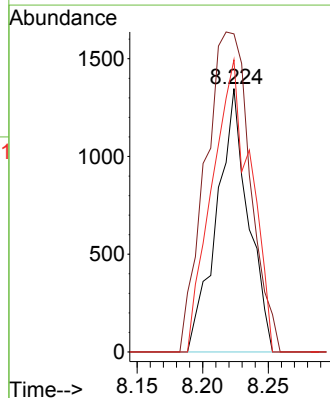
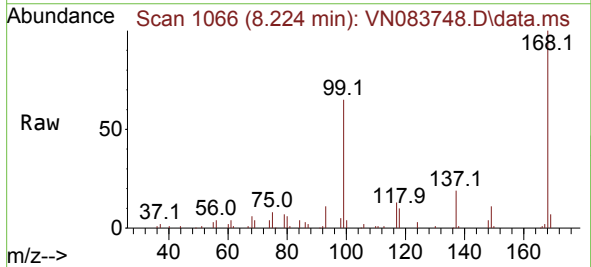
Instrument :
MSVOA_N
ClientSampleId :
IBLK

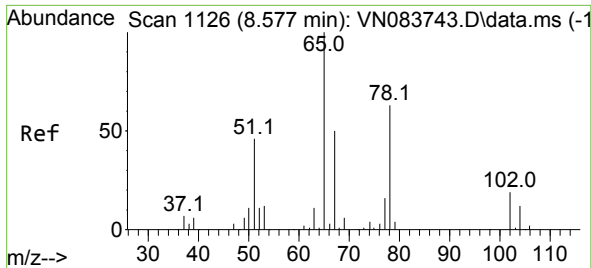
Tgt Ion: 43 Resp: 889
Ion Ratio Lower Upper
43 100
74 0.0 19.0 28.4#



#31
Cyclohexane
Concen: 1.195 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.029 min
Lab File: VN083748.D
Acq: 10 Sep 2024 11:56

Tgt Ion: 56 Resp: 2248
Ion Ratio Lower Upper
56 100
69 120.8 26.9 40.3#
84 111.0 69.2 103.8#





#33

1,2-Dichloroethane-d4

Concen: 67.232 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VN083748.D

Acq: 10 Sep 2024 11:56

Instrument :

MSVOA_N

ClientSampleId :

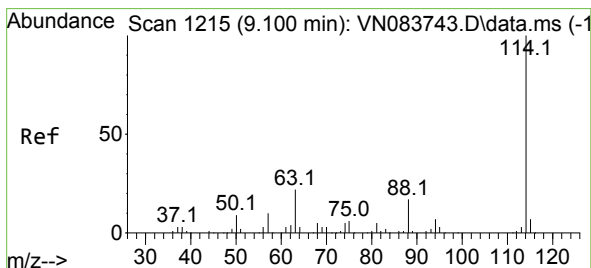
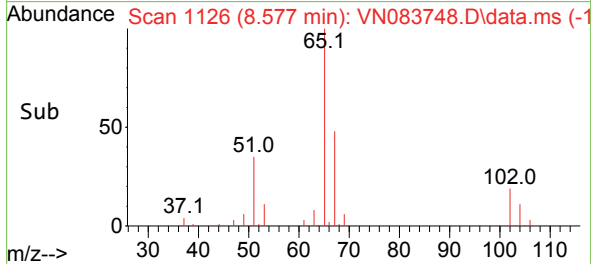
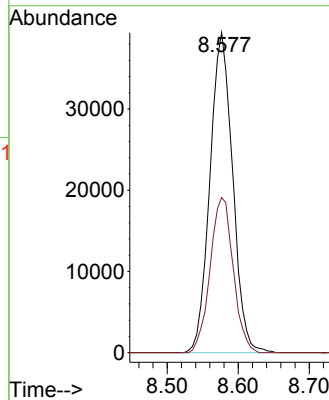
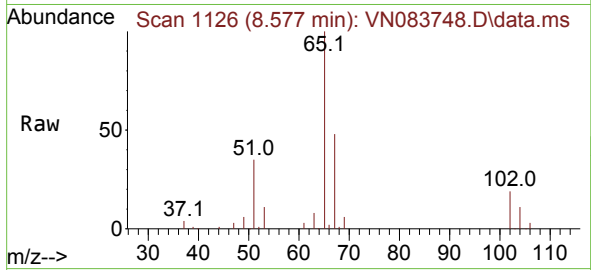
IBLK

Tgt Ion: 65 Resp: 87492

Ion Ratio Lower Upper

65 100

67 49.3 0.0 100.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.000 min

Lab File: VN083748.D

Acq: 10 Sep 2024 11:56

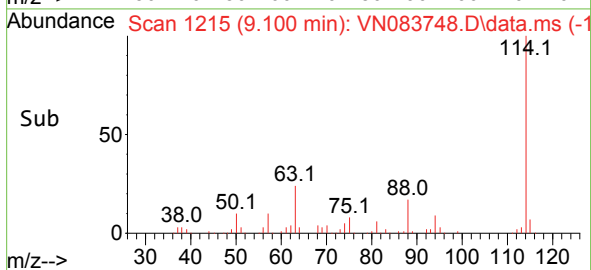
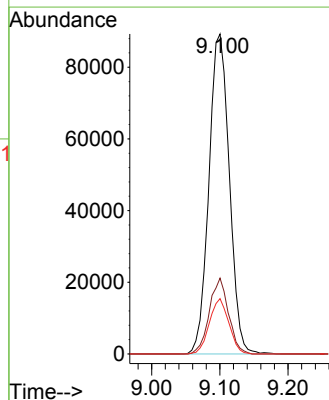
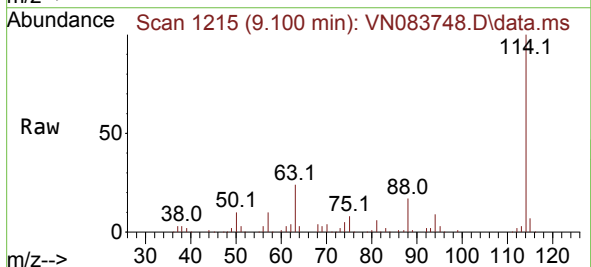
Tgt Ion: 114 Resp: 186203

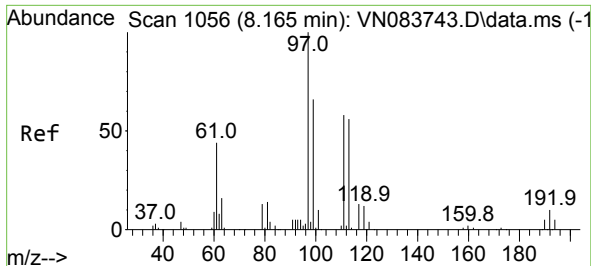
Ion Ratio Lower Upper

114 100

63 23.7 0.0 43.4

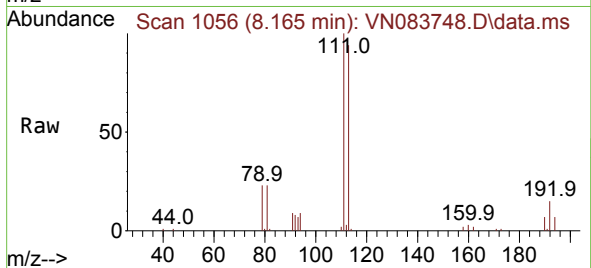
88 17.3 0.0 32.6



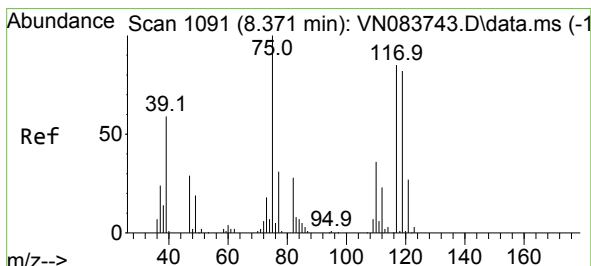
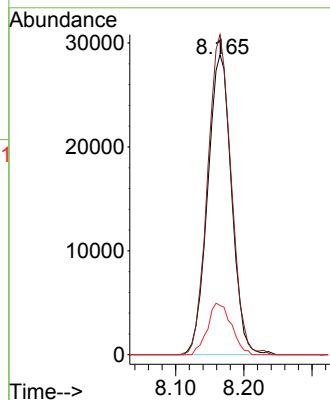
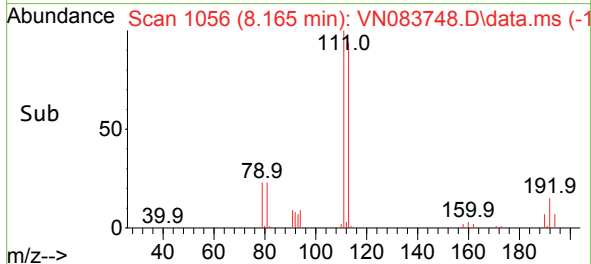


#35
Dibromofluoromethane
Concen: 58.892 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN083748.D
Acq: 10 Sep 2024 11:56

Instrument :
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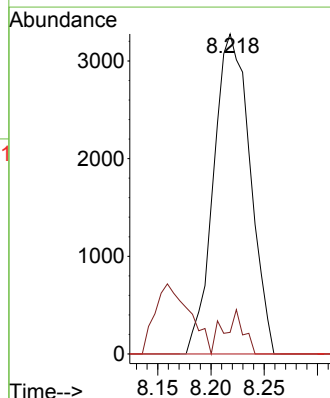
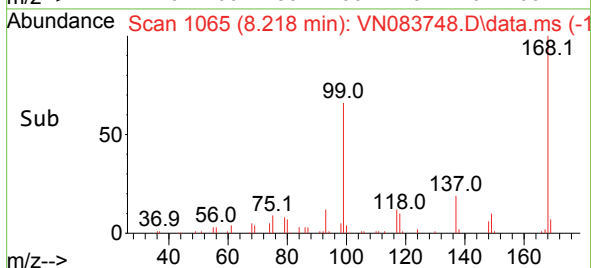
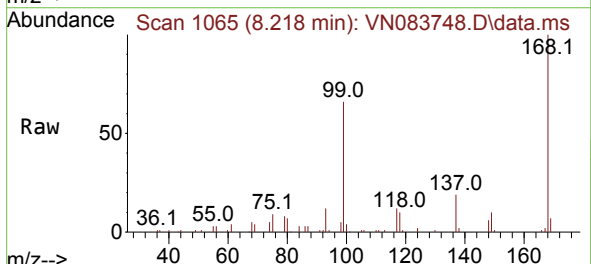


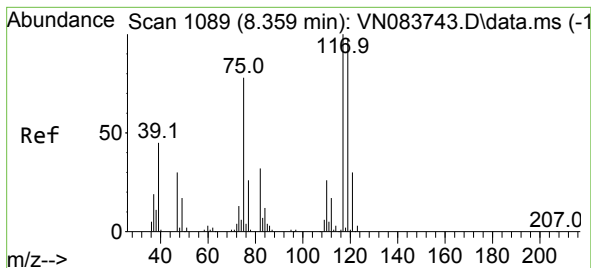
Tgt Ion:113 Resp: 70202
Ion Ratio Lower Upper
113 100
111 105.5 82.6 124.0
192 17.2 14.3 21.5



#36
1,1-Dichloropropene
Concen: 4.343 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.153 min
Lab File: VN083748.D
Acq: 10 Sep 2024 11:56

Tgt Ion: 75 Resp: 7792
Ion Ratio Lower Upper
75 100
110 7.4 16.7 50.1#
77 0.0 25.2 37.8#





#38

Carbon Tetrachloride

Concen: 5.002 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.135 min

Lab File: VN083748.D

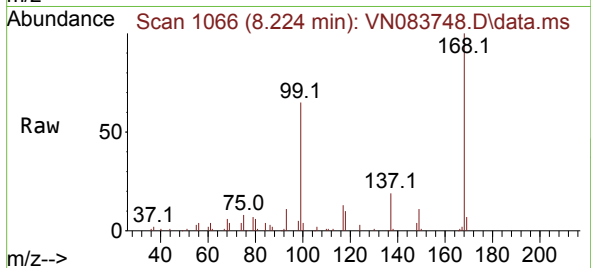
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Instrument :

MSVOA_N

ClientSampleId :

IBLK



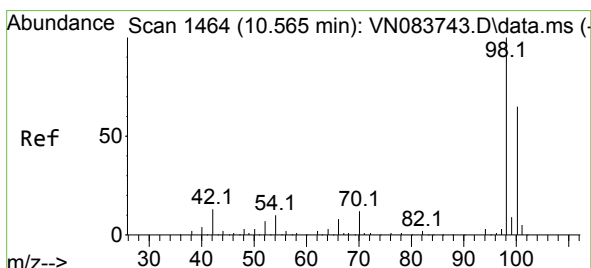
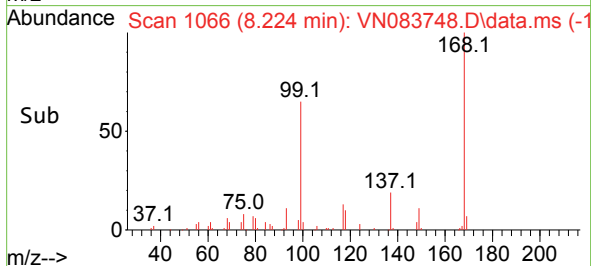
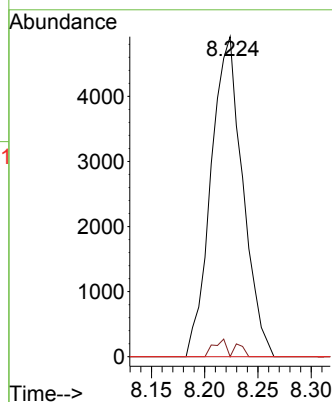
Tgt Ion:117 Resp: 10181

Ion Ratio Lower Upper

117 100

119 0.0 76.1 114.1#

121 0.0 24.1 36.1#



#50

Toluene-d8

Concen: 60.549 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.000 min

Lab File: VN083748.D

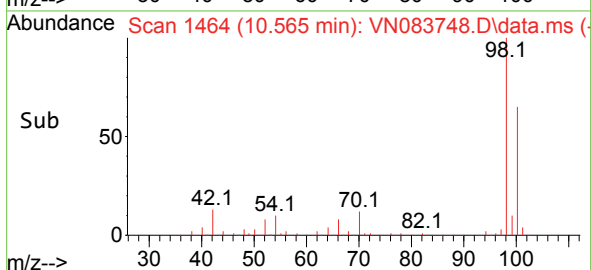
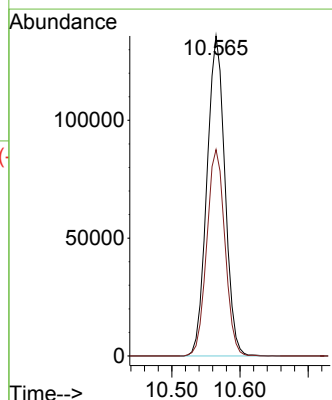
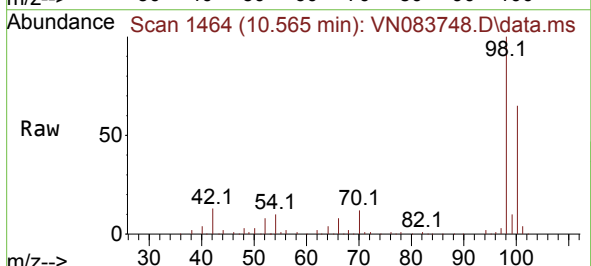
Acq: 10 Sep 2024 11:56

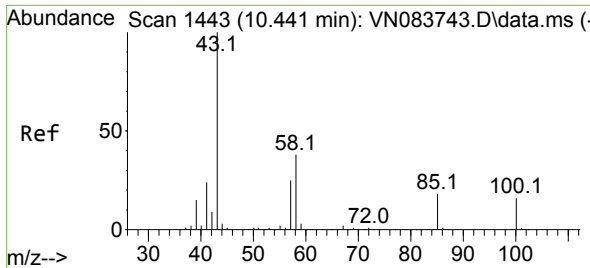
Tgt Ion: 98 Resp: 249521

Ion Ratio Lower Upper

98 100

100 65.0 52.0 78.0

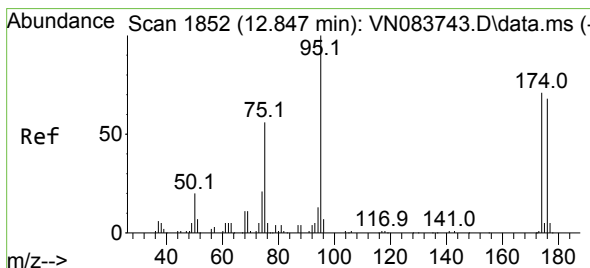
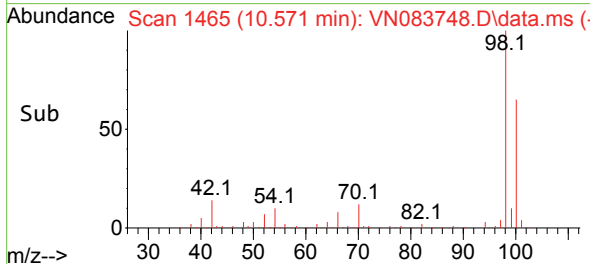
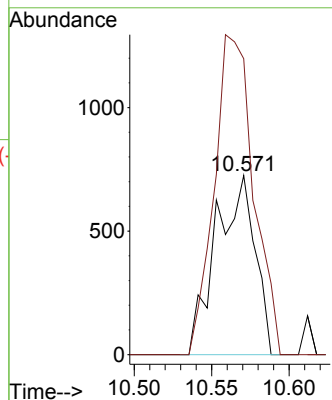
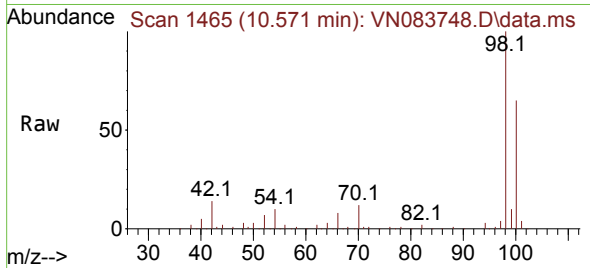




#51
4-Methyl-2-Pentanone
Concen: 0.789 ug/l
RT: 10.571 min Scan# 1443
Delta R.T. 0.129 min
Lab File: VN083748.D
Acq: 10 Sep 2024 11:56

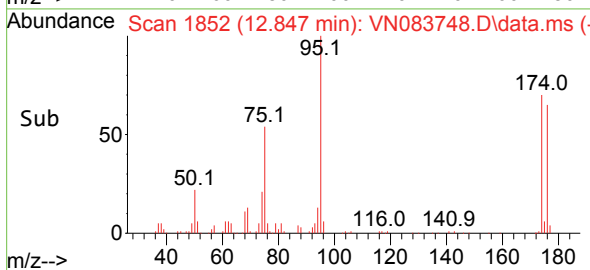
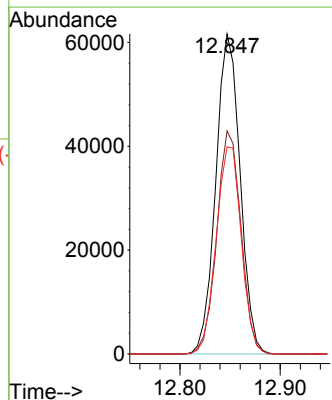
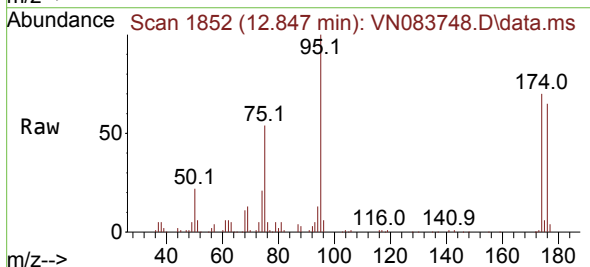
Instrument :
MSVOA_N
ClientSampleId :
IBLK

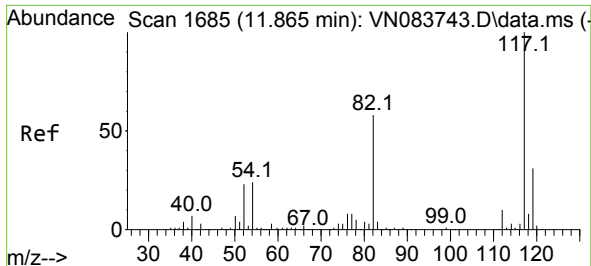
Tgt Ion: 43 Resp: 1267
Ion Ratio Lower Upper
43 100
58 180.7 31.6 47.4#



#62
4-Bromofluorobenzene
Concen: 61.128 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN083748.D
Acq: 10 Sep 2024 11:56

Tgt Ion: 95 Resp: 103930
Ion Ratio Lower Upper
95 100
174 69.3 0.0 139.8
176 66.7 0.0 131.4

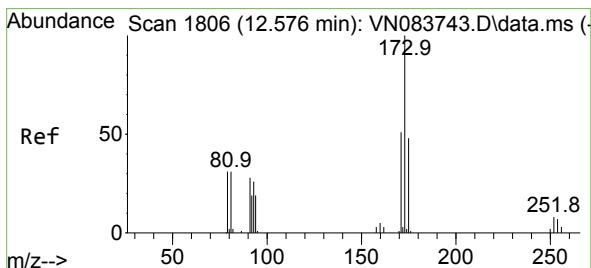
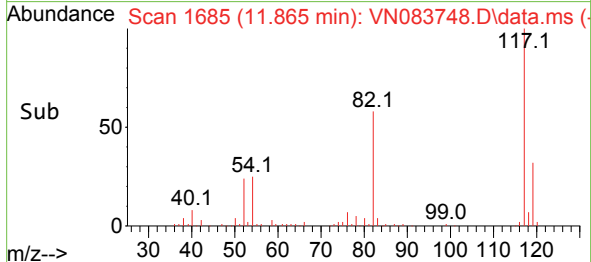
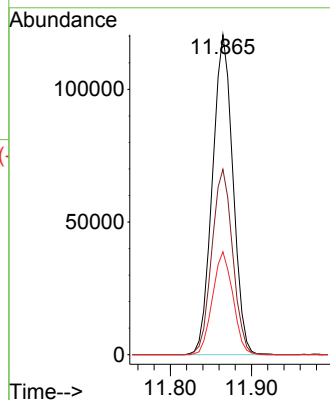
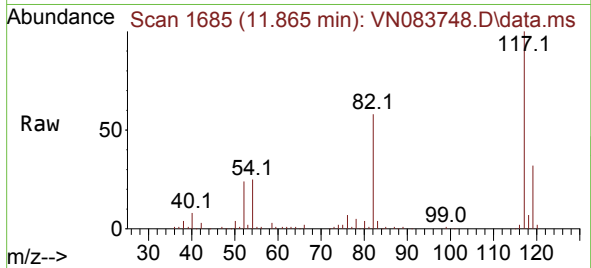




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN083748.D
Acq: 10 Sep 2024 11:56

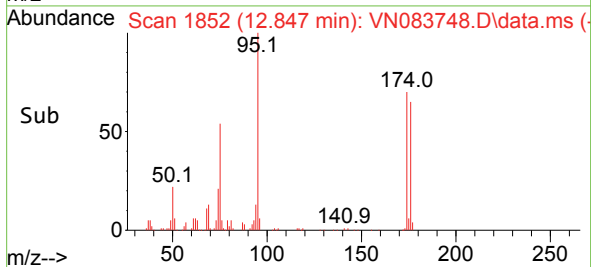
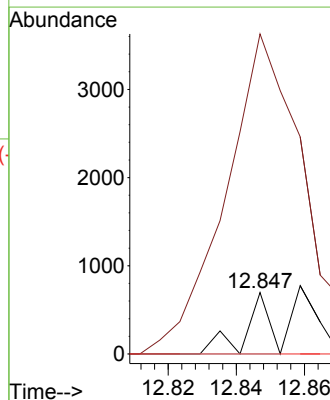
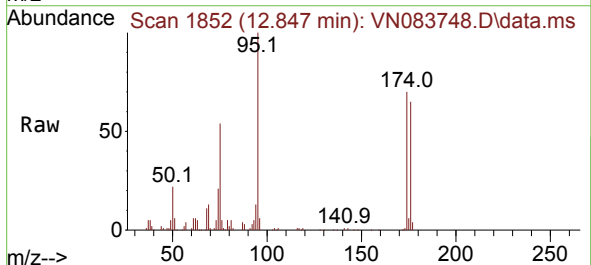
Instrument :
MSVOA_N
ClientSampleId :
IBLK

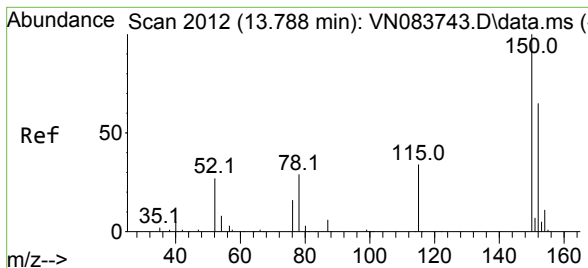
Tgt Ion:117 Resp: 211629
Ion Ratio Lower Upper
117 100
82 57.9 47.4 71.0
119 32.1 26.3 39.5



#71
Bromoform
Concen: 0.309 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.271 min
Lab File: VN083748.D
Acq: 10 Sep 2024 11:56

Tgt Ion:173 Resp: 339
Ion Ratio Lower Upper
173 100
175 1259.9 24.1 72.2#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2012

Delta R.T. 0.006 min

Lab File: VN083748.D

Acq: 10 Sep 2024 11:56

Instrument :

MSVOA_N

ClientSampleId :

IBLK

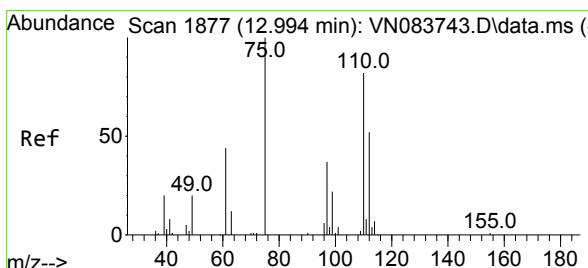
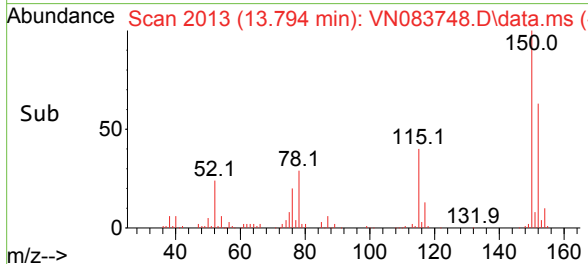
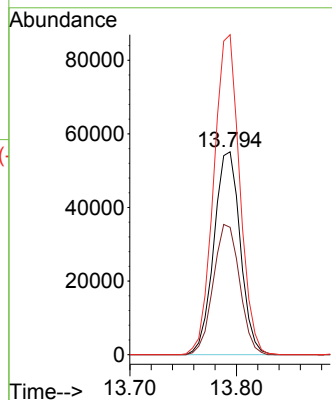
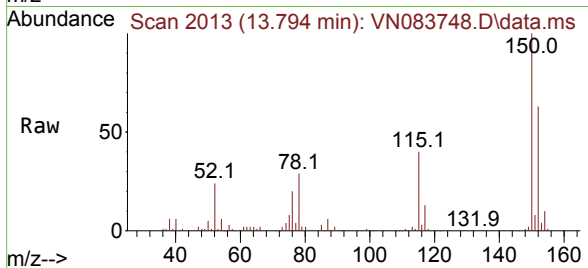
Tgt Ion:152 Resp: 94613

Ion Ratio Lower Upper

152 100

115 64.2 32.2 96.6

150 155.2 0.0 348.6



#76

1,2,3-Trichloropropane

Concen: 30.069 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN083748.D

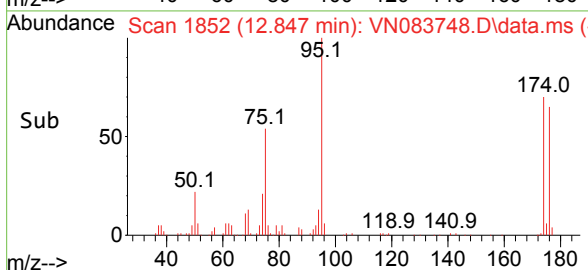
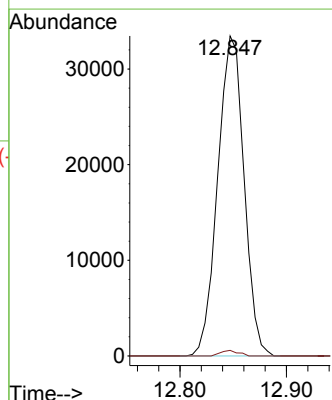
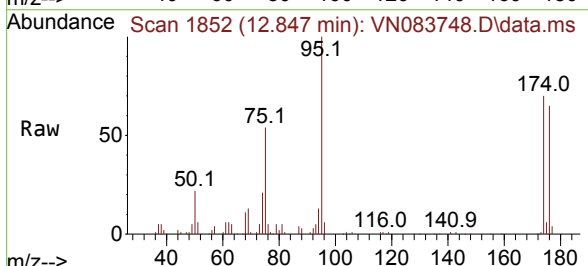
Acq: 10 Sep 2024 11:56

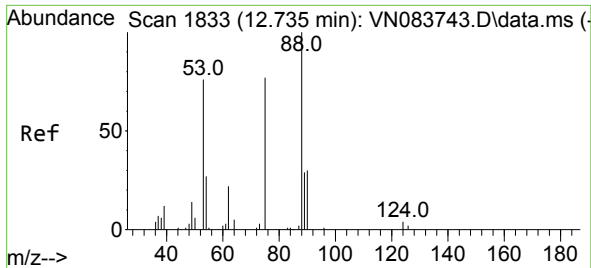
Tgt Ion: 75 Resp: 57404

Ion Ratio Lower Upper

75 100

77 1.2 95.2 285.6#

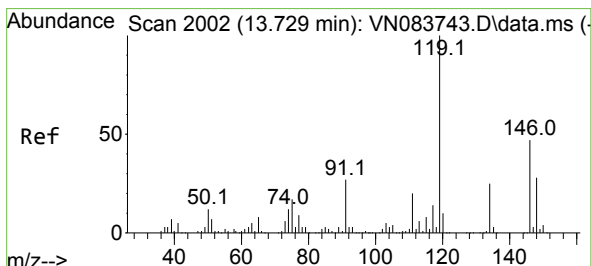
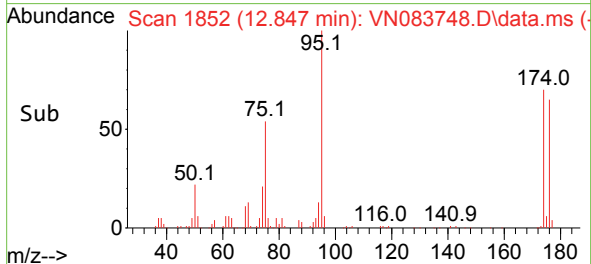
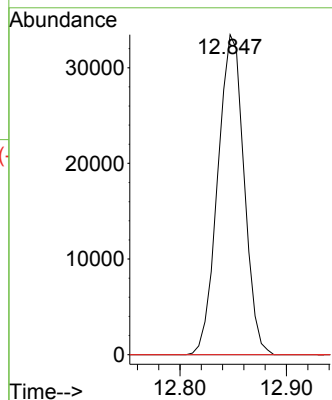
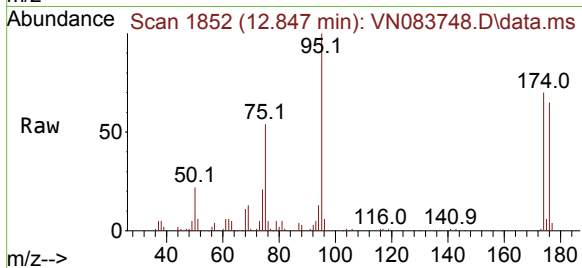




#81
trans-1,4-Dichloro-2-butene
Concen: 78.752 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN083748.D
Acq: 10 Sep 2024 11:56

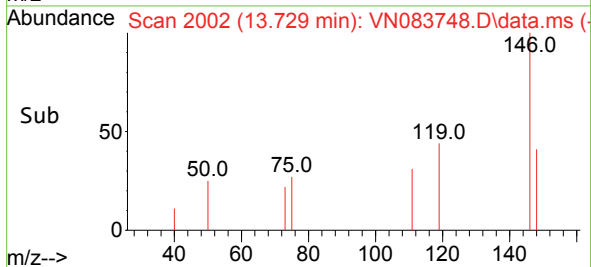
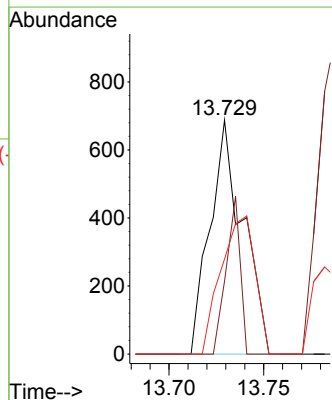
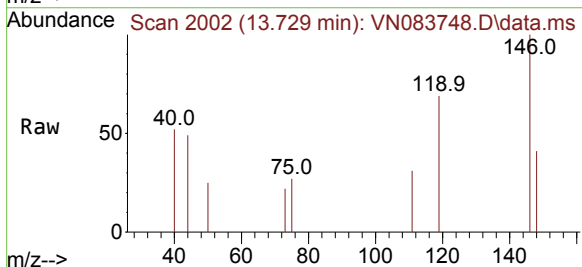
Instrument :
MSVOA_N
ClientSampleId :
IBLK

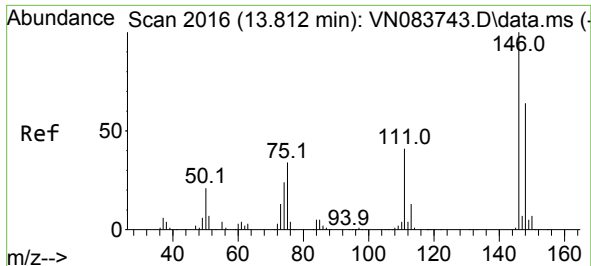
Tgt Ion: 75 Resp: 57404
Ion Ratio Lower Upper
75 100
53 0.0 81.2 121.8#
89 0.0 35.7 53.5#



#87
1,3-Dichlorobenzene
Concen: 0.251 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN083748.D
Acq: 10 Sep 2024 11:56

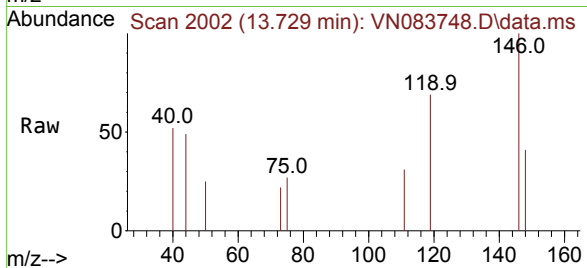
Tgt Ion:146 Resp: 833
Ion Ratio Lower Upper
146 100
111 28.7 21.7 65.1
148 61.2 31.7 95.1



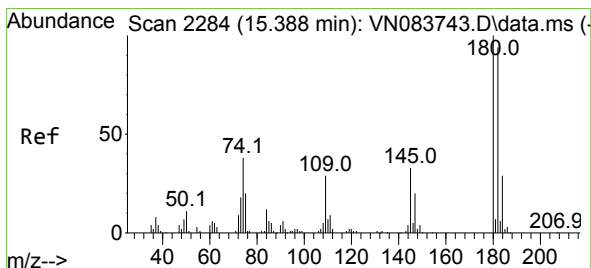
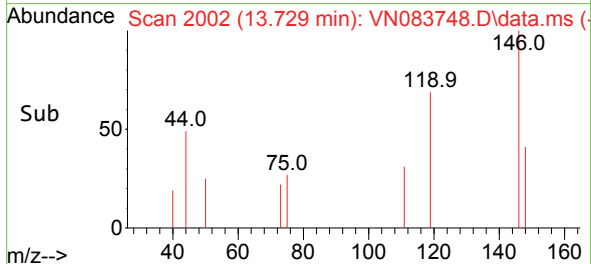
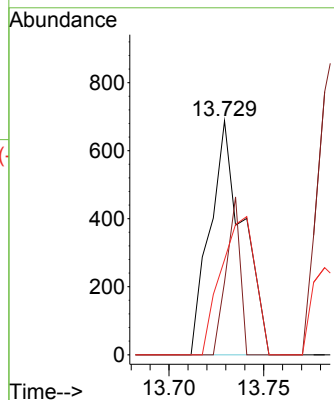


#88
1,4-Dichlorobenzene
Concen: 0.247 ug/l
RT: 13.729 min Scan# 2016
Delta R.T. -0.082 min
Lab File: VN083748.D
Acq: 10 Sep 2024 11:56

Instrument :
MSVOA_N
ClientSampleId :
IBLK

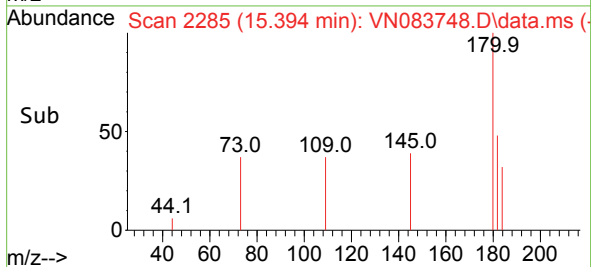
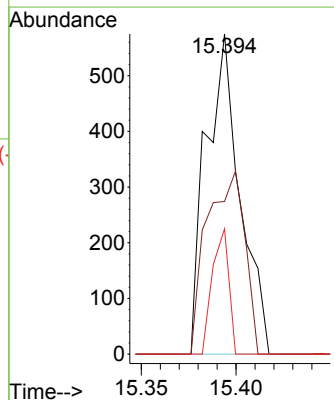
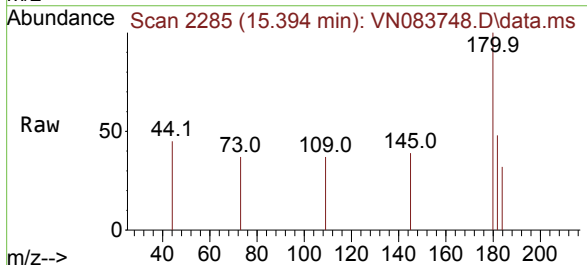


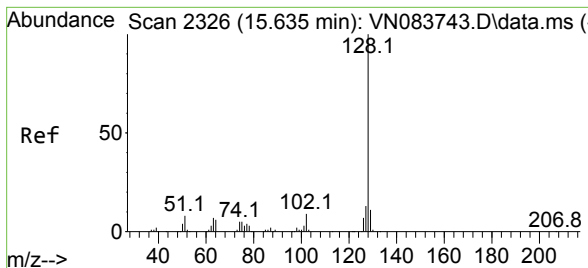
Tgt Ion:146 Resp: 833
Ion Ratio Lower Upper
146 100
111 28.7 21.3 64.0
148 61.2 32.0 96.2



#93
1,2,4-Trichlorobenzene
Concen: 0.416 ug/l
RT: 15.394 min Scan# 2285
Delta R.T. 0.006 min
Lab File: VN083748.D
Acq: 10 Sep 2024 11:56

Tgt Ion:180 Resp: 717
Ion Ratio Lower Upper
180 100
182 63.3 48.1 144.3
145 19.0 16.9 50.7





#95

Naphthalene

Concen: 0.302 ug/l

RT: 15.635 min Scan# 2326

Delta R.T. 0.000 min

Lab File: VN083748.D

Acq: 10 Sep 2024 11:56

Instrument :

MSVOA_N

ClientSampleId :

IBLK

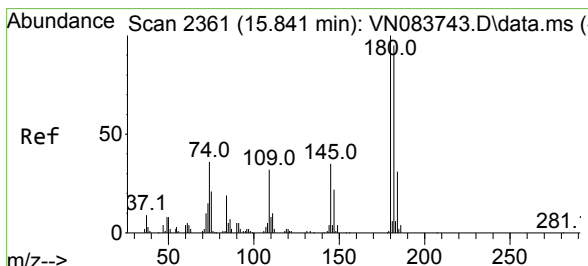
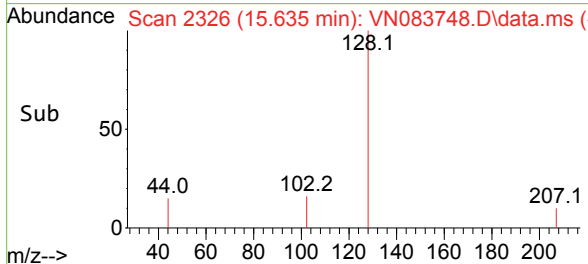
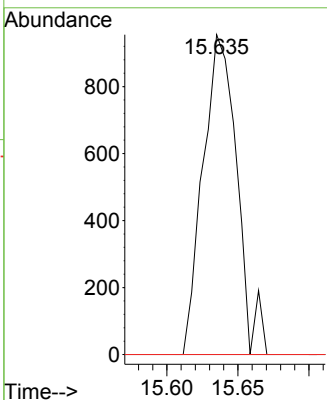
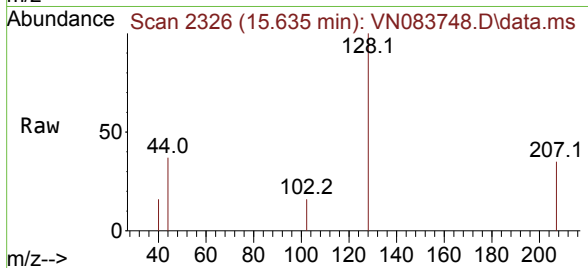
Tgt Ion:128 Resp: 1583

Ion Ratio Lower Upper

128 100

127 0.0 10.2 15.2#

129 0.0 8.7 13.1#



#96

1,2,3-Trichlorobenzene

Concen: 0.259 ug/l

RT: 15.841 min Scan# 2361

Delta R.T. 0.000 min

Lab File: VN083748.D

Acq: 10 Sep 2024 11:56

Tgt Ion:180 Resp: 427

Ion Ratio Lower Upper

180 100

182 113.8 47.1 141.4

145 0.0 17.8 53.5#

