

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041624\
 Data File : VN081753.D
 Acq On : 16 Apr 2024 12:51
 Operator : JC\MD
 Sample : P2093-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 17 03:23:22 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041524W.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 15 15:37:39 2024
 Response via : Initial Calibration

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

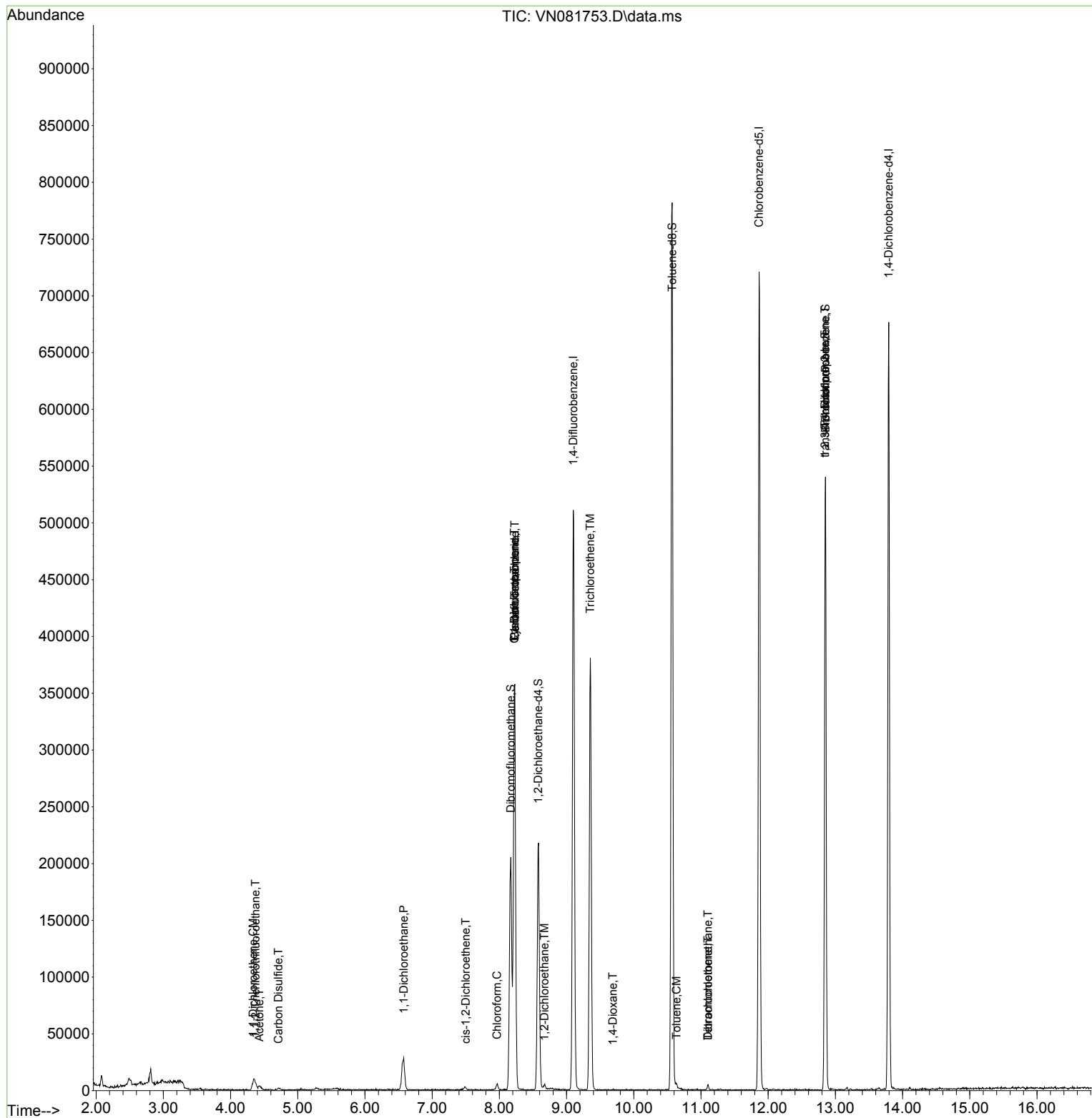
Internal Standards						
1) Pentafluorobenzene	8.230	168	251983	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	454716	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	414586	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	177916	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	176922	49.896	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	99.800%
35) Dibromofluoromethane	8.171	113	147904	49.257	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.520%
50) Toluene-d8	10.571	98	552150	49.915	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	99.820%
62) 4-Bromofluorobenzene	12.853	95	189206	50.053	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	=	100.100%
Target Compounds						Qvalue
3) Chloromethane	2.353	50	783	Below Cal	#	43
6) Chloroethane	3.130	64	141	Below Cal	#	1
9) 1,1,2-Trichlorotrifluo...	4.371	101	1626	0.515	ug/l #	48
12) 1,1-Dichloroethene	4.336	96	4736	1.582	ug/l	98
16) Acetone	4.430	43	7081	7.175	ug/l	92
17) Carbon Disulfide	4.712	76	1955	0.225	ug/l #	74
20) Methylene Chloride	5.271	84	618	Below Cal	#	46
24) 1,1-Dichloroethane	6.577	63	38900	7.151	ug/l	99
27) cis-1,2-Dichloroethene	7.500	96	1852	0.503	ug/l	67
30) Chloroform	7.965	83	4737	0.768	ug/l	96
31) Cyclohexane	8.224	56	6347	1.305	ug/l #	51
36) 1,1-Dichloropropene	8.224	75	22562	5.393	ug/l #	50
38) Carbon Tetrachloride	8.230	117	29400	6.040	ug/l #	19
42) 1,2-Dichloroethane	8.671	62	4710	1.037	ug/l	81
44) Trichloroethene	9.353	130	137915	40.696	ug/l	98
49) 1,4-Dioxane	9.688	88	453	6.910	ug/l #	83
52) Toluene	10.635	92	1980	0.239	ug/l	84
60) Dibromochloromethane	11.106	129	764	0.203	ug/l #	11
64) Tetrachloroethene	11.106	164	836	0.238	ug/l #	72
71) Bromoform	12.853	173	1929	0.768	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	101638	29.883	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	101638	69.900	ug/l #	13
92) 1,2-Dibromo-3-Chloropr...	14.759	75	76	Below Cal	#	2

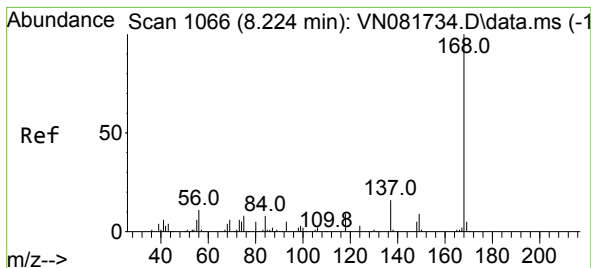
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041624\
Data File : VN081753.D
Acq On : 16 Apr 2024 12:51
Operator : JC\MD
Sample : P2093-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Apr 17 03:23:22 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041524W.M
Quant Title : SW846 8260
QLast Update : Mon Apr 15 15:37:39 2024
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.230 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN081753.D

Acq: 16 Apr 2024 12:51

Instrument :

MSVOA_N

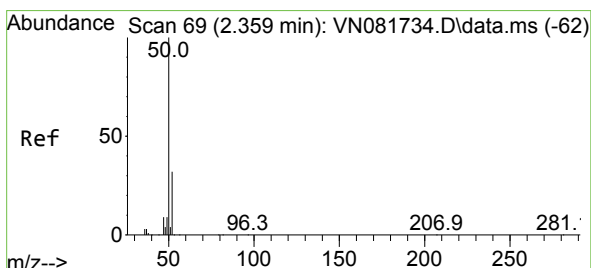
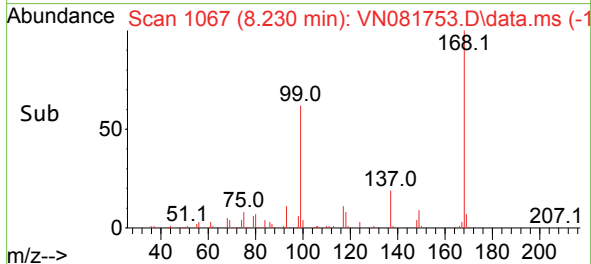
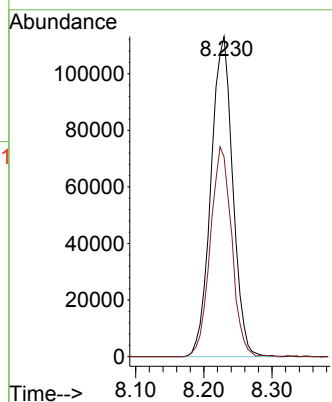
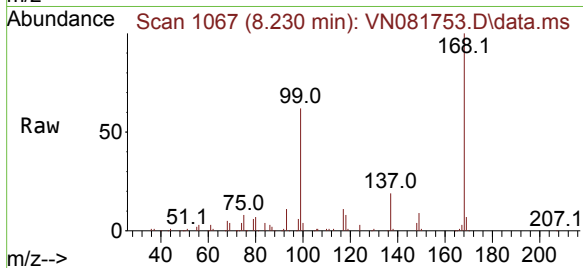
ClientSampleId :

Tgt Ion:168 Resp: 251983

Ion Ratio Lower Upper

168 100

99 62.4 48.2 72.4



#3

Chloromethane

Concen: Below Cal

RT: 2.353 min Scan# 68

Delta R.T. -0.006 min

Lab File: VN081753.D

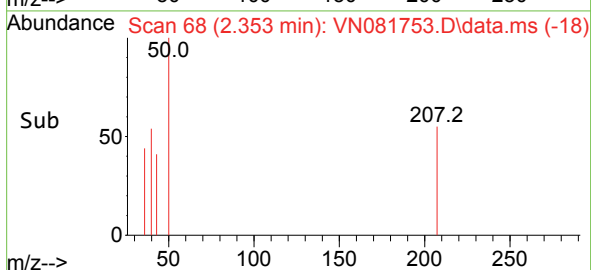
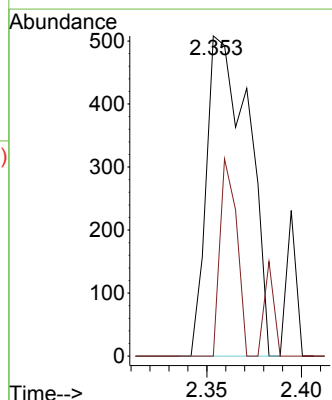
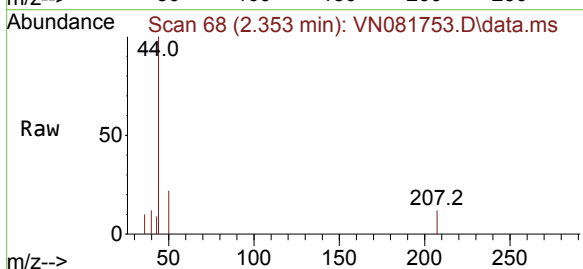
Acq: 16 Apr 2024 12:51

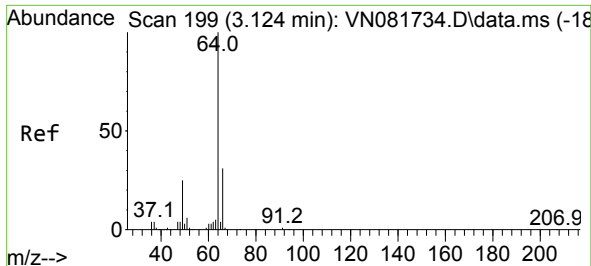
Tgt Ion: 50 Resp: 783

Ion Ratio Lower Upper

50 100

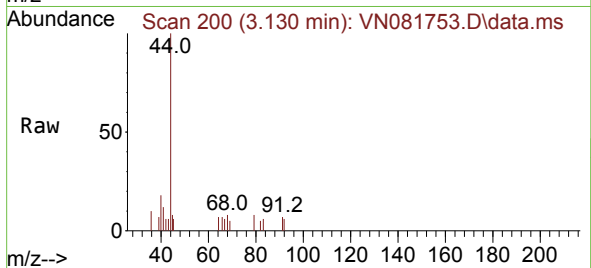
52 0.0 25.5 38.3#



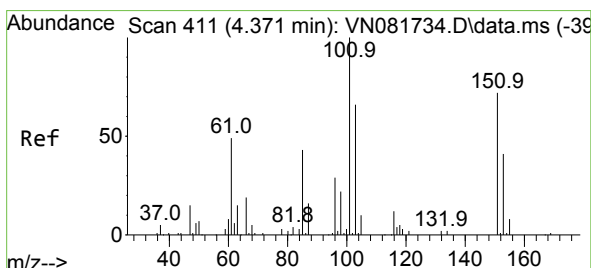
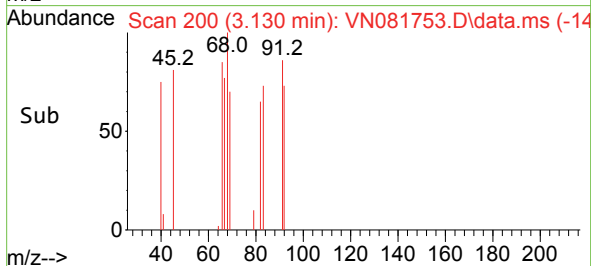
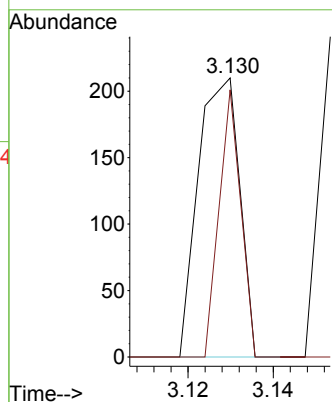


#6
Chloroethane
Concen: Below Cal
RT: 3.130 min Scan# 200
Delta R.T. 0.006 min
Lab File: VN081753.D
Acq: 16 Apr 2024 12:51

Instrument :
MSVOA_N
ClientSampleId :

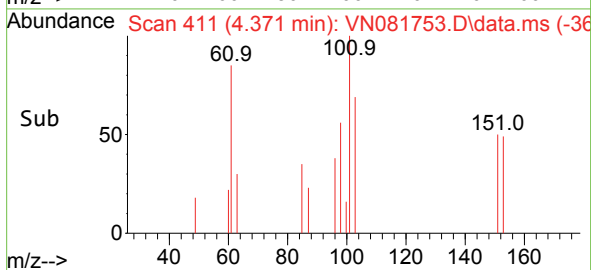
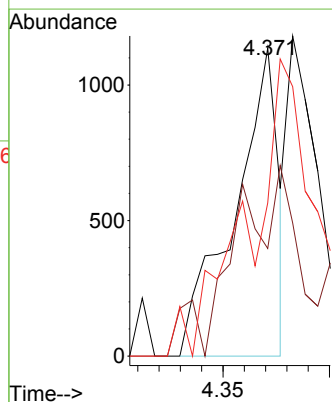
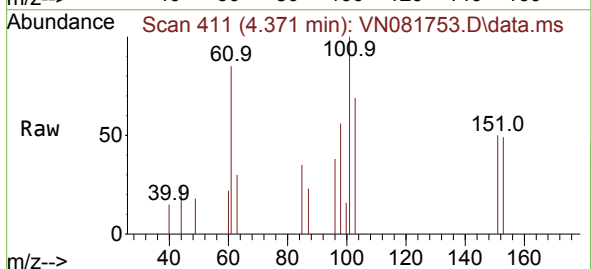


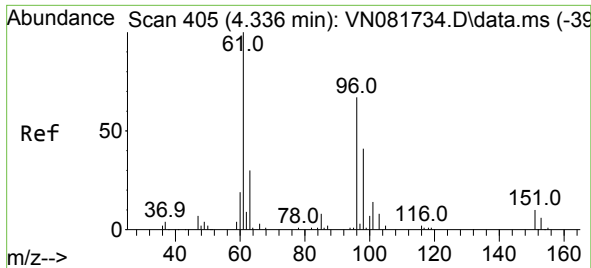
Tgt Ion: 64 Resp: 141
Ion Ratio Lower Upper
64 100
66 95.7 24.7 37.1#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.515 ug/l
RT: 4.371 min Scan# 411
Delta R.T. -0.000 min
Lab File: VN081753.D
Acq: 16 Apr 2024 12:51

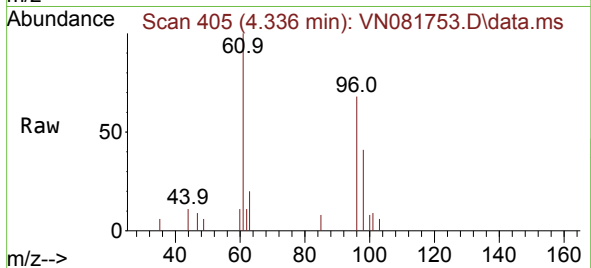
Tgt Ion: 101 Resp: 1626
Ion Ratio Lower Upper
101 100
85 46.2 37.3 55.9
151 144.9 59.2 88.8#





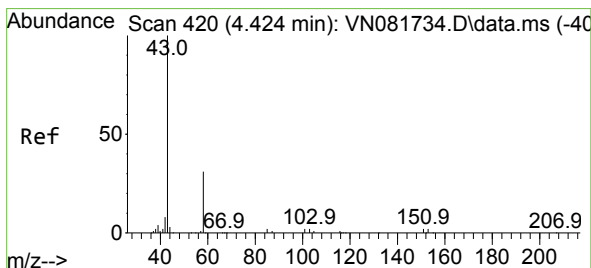
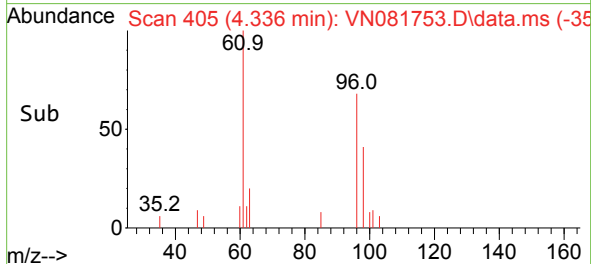
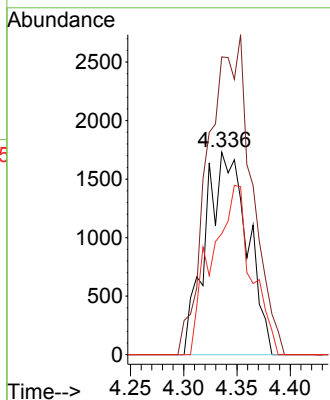
#12
 1,1-Dichloroethene
 Concen: 1.582 ug/l
 RT: 4.336 min Scan# 405
 Delta R.T. -0.000 min
 Lab File: VN081753.D
 Acq: 16 Apr 2024 12:51

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 96 Resp: 4736

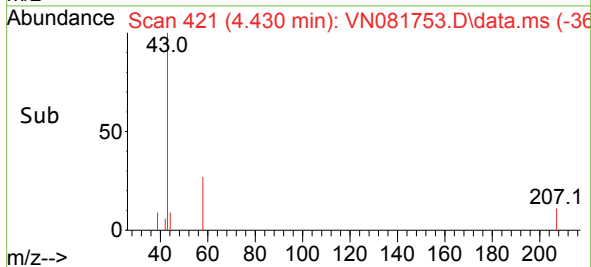
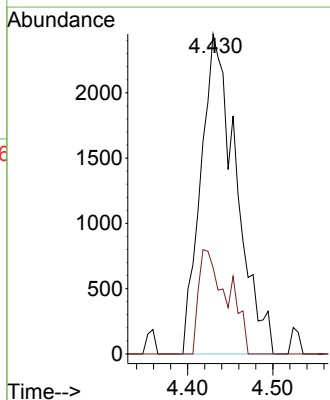
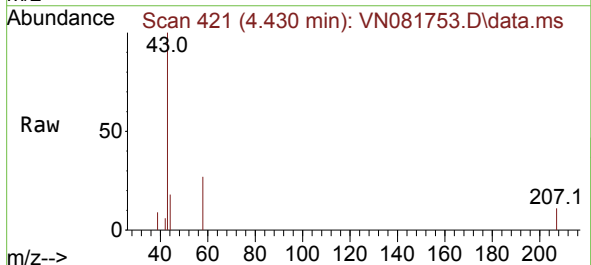
Ion	Ratio	Lower	Upper
96	100		
61	147.1	119.7	179.5
98	59.8	49.6	74.4

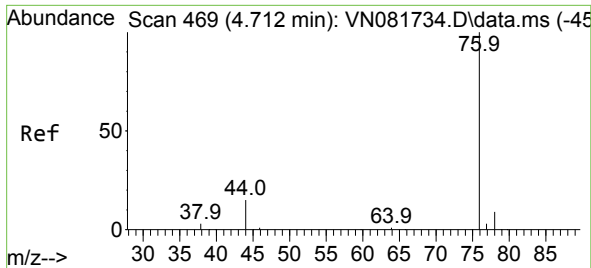


#16
 Acetone
 Concen: 7.175 ug/l
 RT: 4.430 min Scan# 421
 Delta R.T. 0.006 min
 Lab File: VN081753.D
 Acq: 16 Apr 2024 12:51

Tgt Ion: 43 Resp: 7081

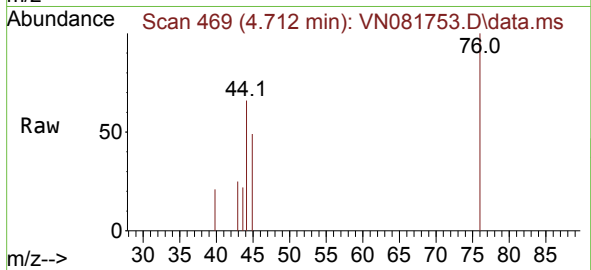
Ion	Ratio	Lower	Upper
43	100		
58	27.0	25.2	37.8



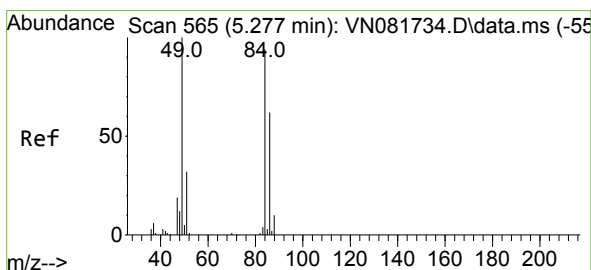
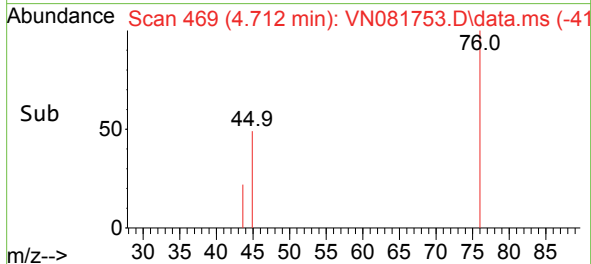
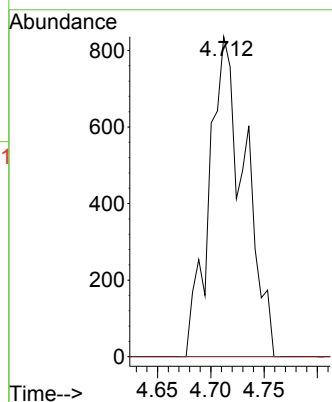


#17
Carbon Disulfide
Concen: 0.225 ug/l
RT: 4.712 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN081753.D
Acq: 16 Apr 2024 12:51

Instrument :
MSVOA_N
ClientSampleId :

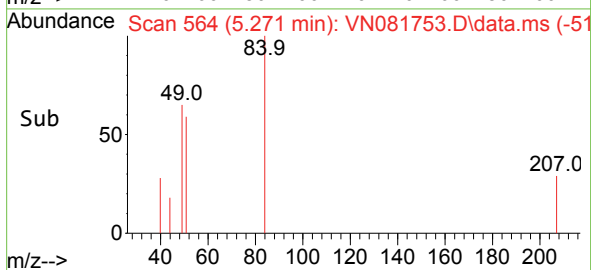
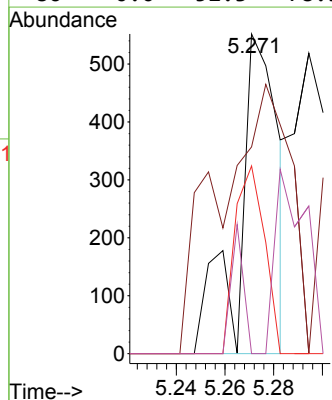
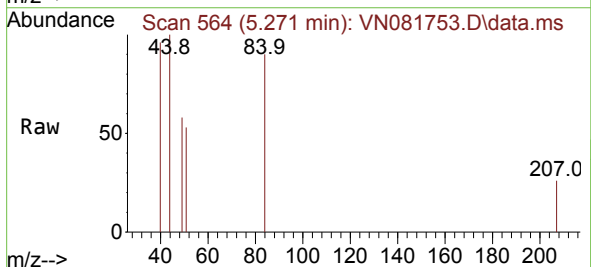


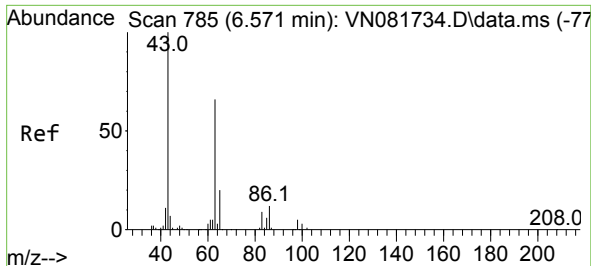
Tgt Ion: 76 Resp: 1955
Ion Ratio Lower Upper
76 100
78 0.0 7.5 11.3#



#20
Methylene Chloride
Concen: Below Cal
RT: 5.271 min Scan# 564
Delta R.T. -0.006 min
Lab File: VN081753.D
Acq: 16 Apr 2024 12:51

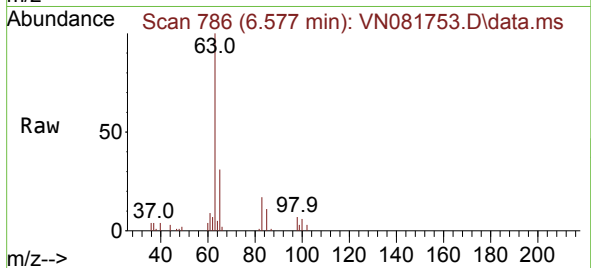
Tgt Ion: 84 Resp: 618
Ion Ratio Lower Upper
84 100
49 64.7 84.9 127.3#
51 58.7 27.0 40.6#
86 0.0 52.3 78.5#



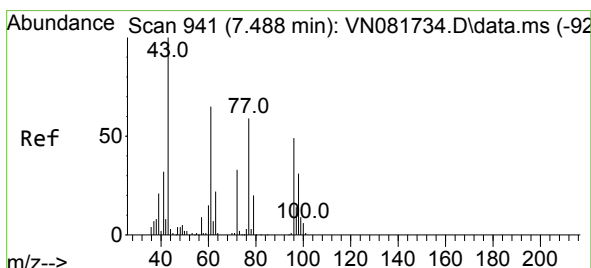
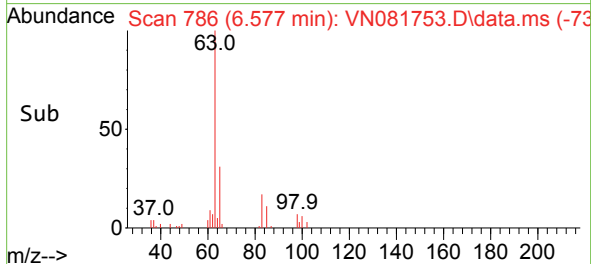
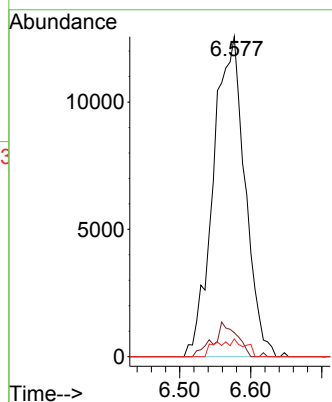


#24
1,1-Dichloroethane
Concen: 7.151 ug/l
RT: 6.577 min Scan# 71
Delta R.T. 0.006 min
Lab File: VN081753.D
Acq: 16 Apr 2024 12:51

Instrument :
MSVOA_N
ClientSampleId :

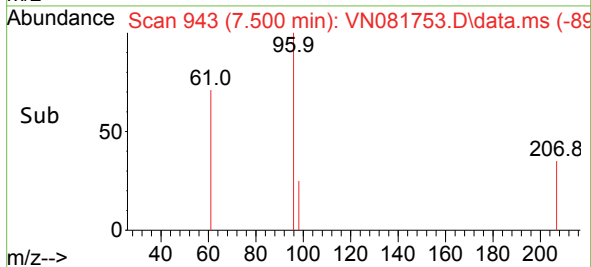
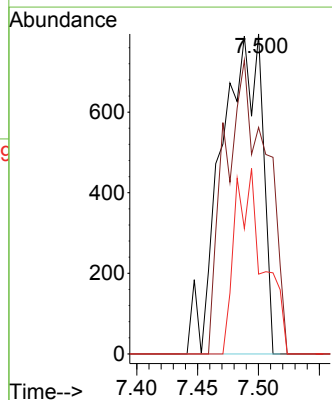
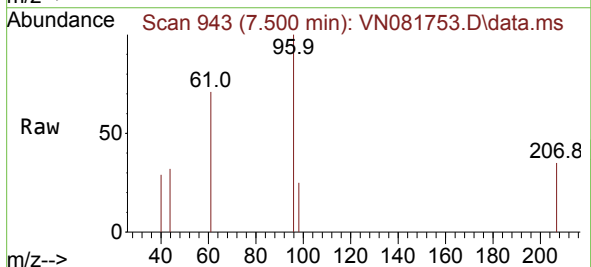


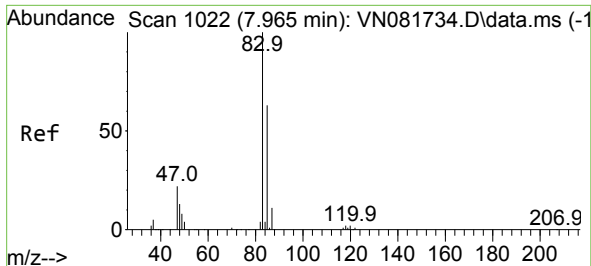
Tgt Ion: 63 Resp: 38900
Ion Ratio Lower Upper
63 100
98 7.5 3.6 10.9
100 5.5 2.6 7.8



#27
cis-1,2-Dichloroethene
Concen: 0.503 ug/l
RT: 7.500 min Scan# 943
Delta R.T. 0.012 min
Lab File: VN081753.D
Acq: 16 Apr 2024 12:51

Tgt Ion: 96 Resp: 1852
Ion Ratio Lower Upper
96 100
61 93.4 0.0 268.0
98 40.4 0.0 126.8

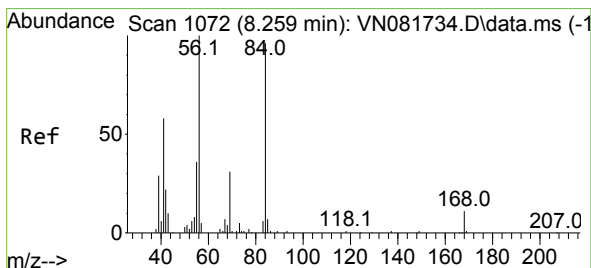
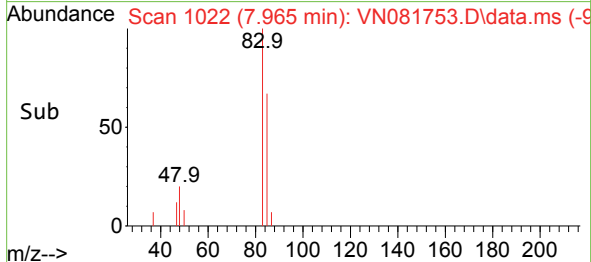
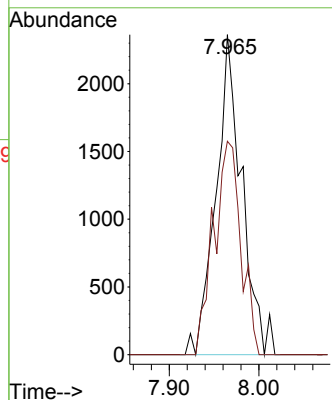
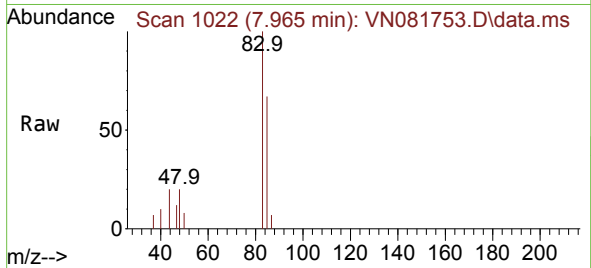




#30
Chloroform
Concen: 0.768 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. -0.000 min
Lab File: VN081753.D
Acq: 16 Apr 2024 12:51

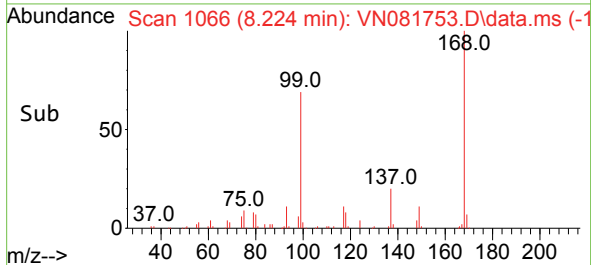
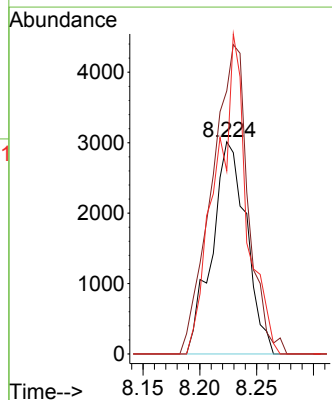
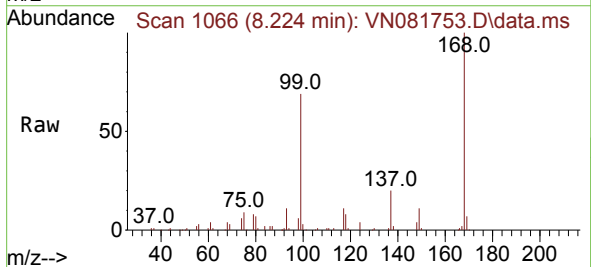
Instrument :
MSVOA_N
ClientSampleId :

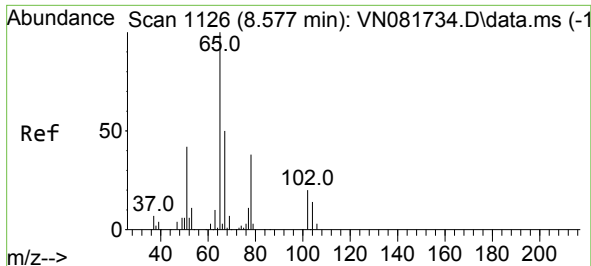
Tgt Ion: 83 Resp: 4737
Ion Ratio Lower Upper
83 100
85 66.7 50.7 76.1



#31
Cyclohexane
Concen: 1.305 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN081753.D
Acq: 16 Apr 2024 12:51

Tgt Ion: 56 Resp: 6347
Ion Ratio Lower Upper
56 100
69 124.0 24.4 36.6#
84 86.3 77.0 115.4





#33

1,2-Dichloroethane-d4

Concen: 49.896 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN081753.D

Acq: 16 Apr 2024 12:51

Instrument :

MSVOA_N

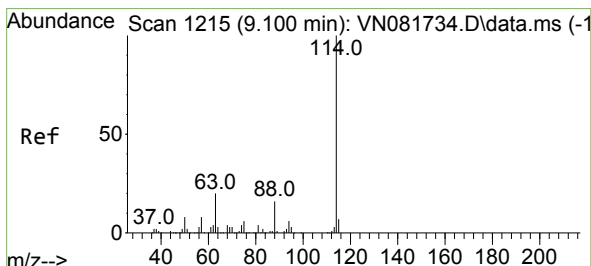
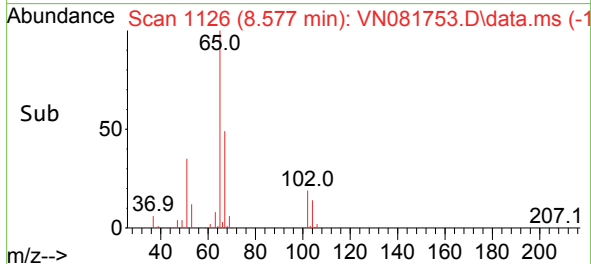
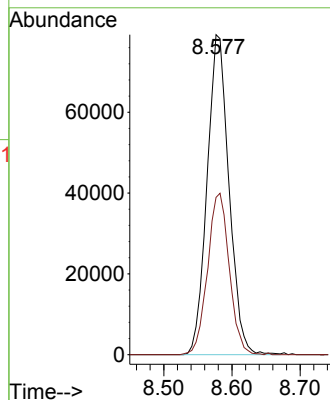
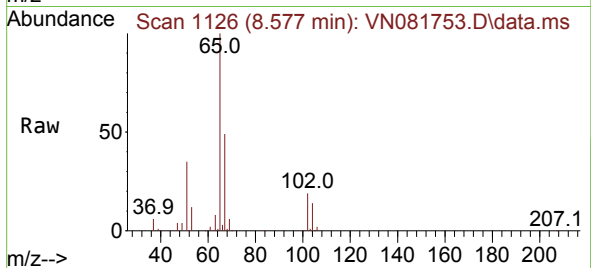
ClientSampleId :

Tgt Ion: 65 Resp: 176922

Ion Ratio Lower Upper

65 100

67 49.9 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.000 min

Lab File: VN081753.D

Acq: 16 Apr 2024 12:51

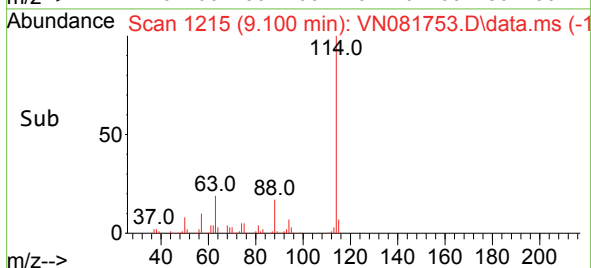
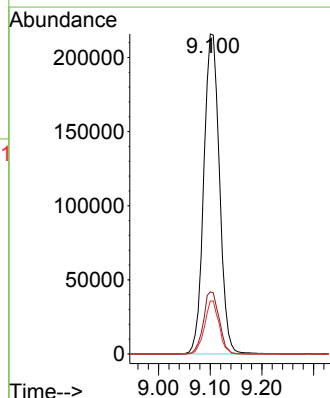
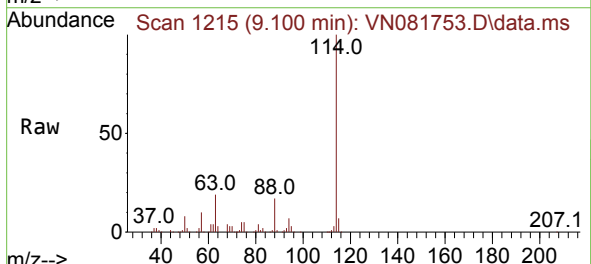
Tgt Ion: 114 Resp: 454716

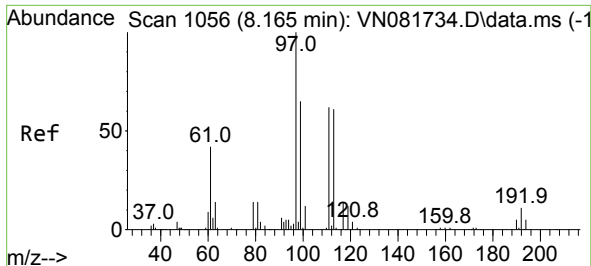
Ion Ratio Lower Upper

114 100

63 19.4 0.0 41.0

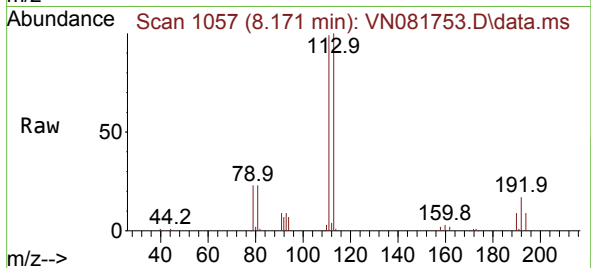
88 16.6 0.0 31.4



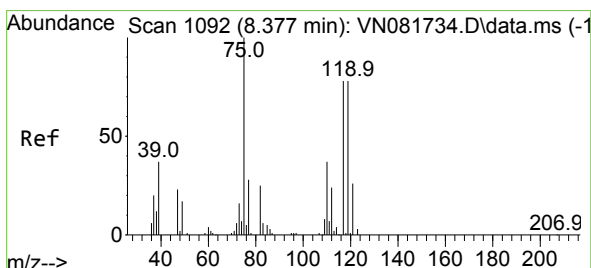
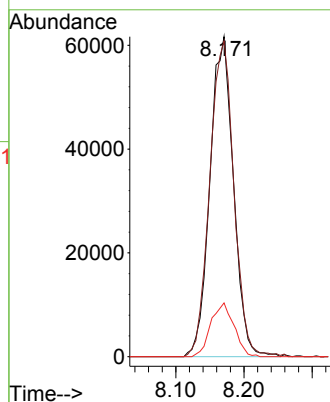
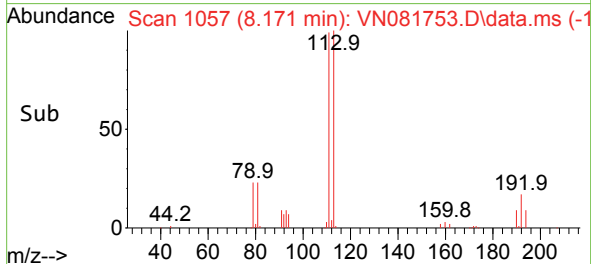


#35
Dibromofluoromethane
Concen: 49.257 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VN081753.D
Acq: 16 Apr 2024 12:51

Instrument :
MSVOA_N
ClientSampleId :

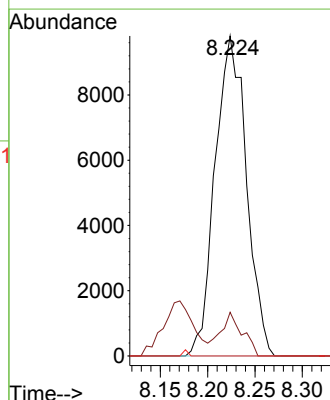
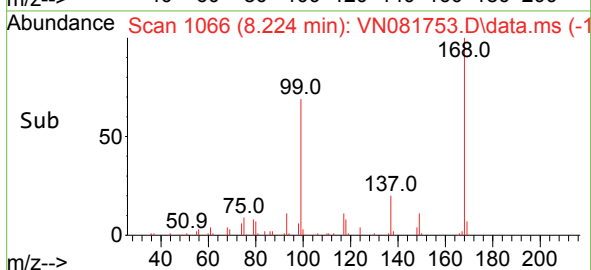
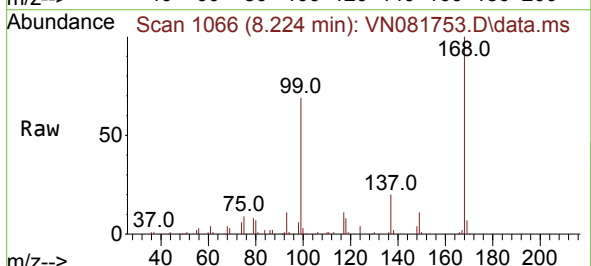


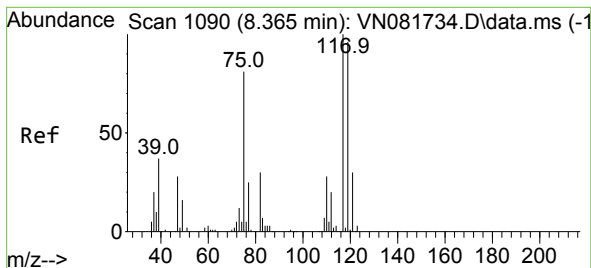
Tgt Ion:113 Resp: 147904
Ion Ratio Lower Upper
113 100
111 101.6 83.4 125.2
192 16.6 14.0 21.0



#36
1,1-Dichloropropene
Concen: 5.393 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.153 min
Lab File: VN081753.D
Acq: 16 Apr 2024 12:51

Tgt Ion: 75 Resp: 22562
Ion Ratio Lower Upper
75 100
110 9.6 17.8 53.5#
77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 6.040 ug/l

RT: 8.230 min Scan# 1107

Delta R.T. -0.135 min

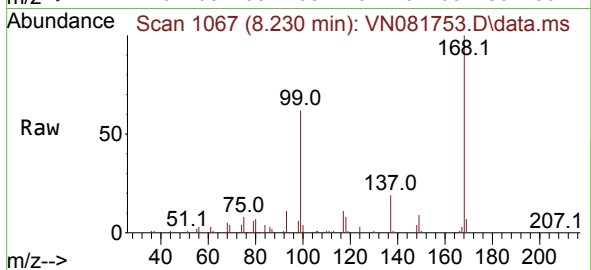
Lab File: VN081753.D

Acq: 16 Apr 2024 12:51

Instrument :

MSVOA_N

ClientSampleId :



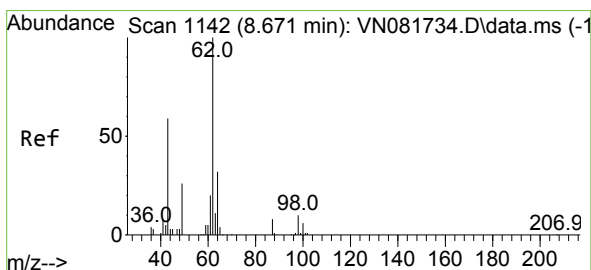
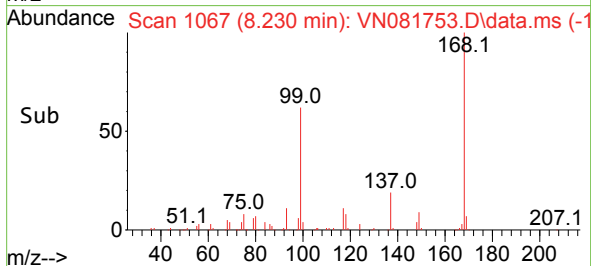
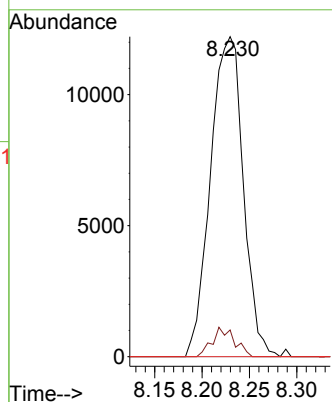
Tgt Ion:117 Resp: 29400

Ion Ratio Lower Upper

117 100

119 8.4 76.5 114.7#

121 0.0 23.9 35.9#



#42

1,2-Dichloroethane

Concen: 1.037 ug/l

RT: 8.671 min Scan# 1142

Delta R.T. -0.000 min

Lab File: VN081753.D

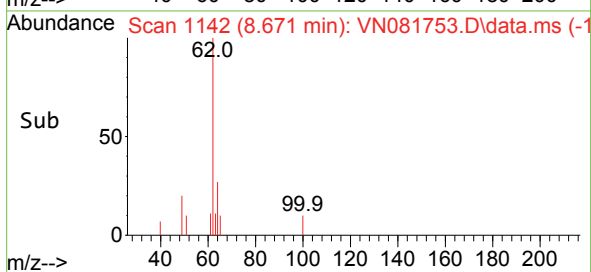
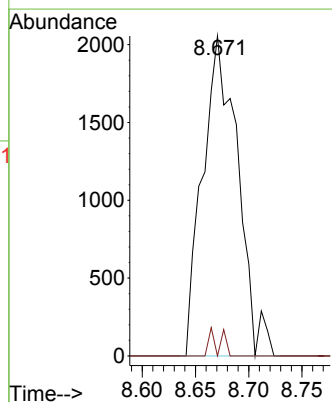
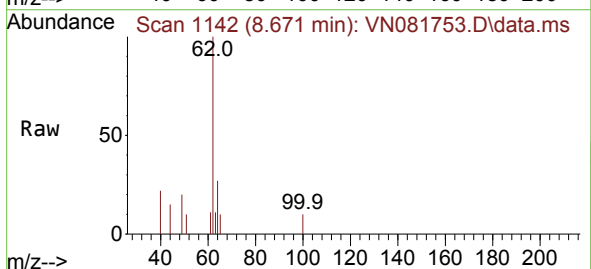
Acq: 16 Apr 2024 12:51

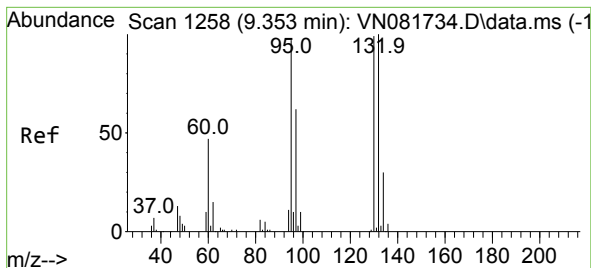
Tgt Ion: 62 Resp: 4710

Ion Ratio Lower Upper

62 100

98 2.6 0.0 19.6





#44

Trichloroethene

Concen: 40.696 ug/l

RT: 9.353 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN081753.D

Acq: 16 Apr 2024 12:51

Instrument :

MSVOA_N

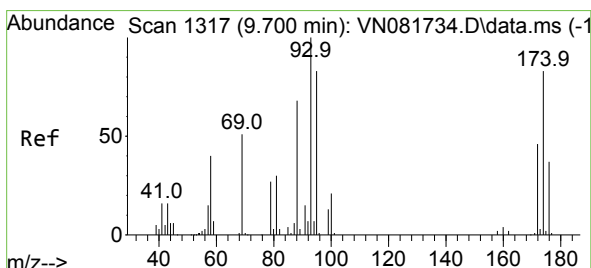
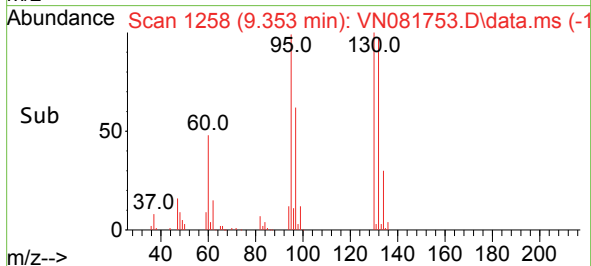
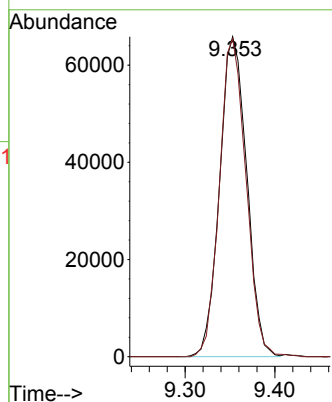
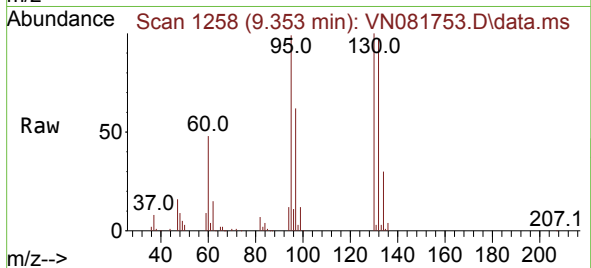
ClientSampleId :

Tgt Ion:130 Resp: 137915

Ion Ratio Lower Upper

130 100

95 99.5 0.0 195.4



#49

1,4-Dioxane

Concen: 6.910 ug/l

RT: 9.688 min Scan# 1315

Delta R.T. -0.012 min

Lab File: VN081753.D

Acq: 16 Apr 2024 12:51

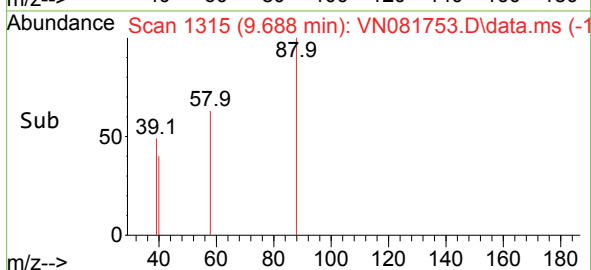
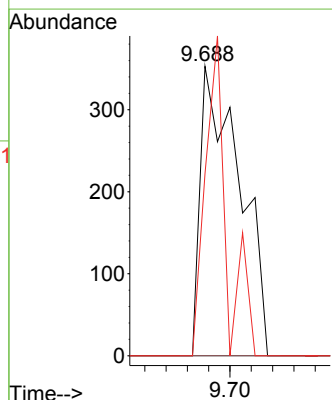
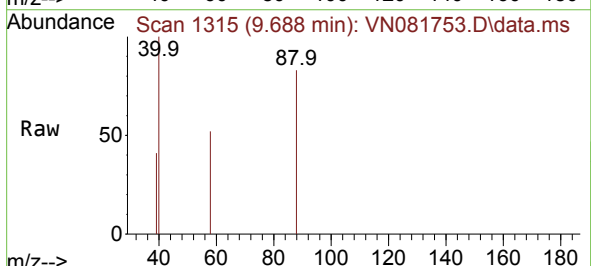
Tgt Ion: 88 Resp: 453

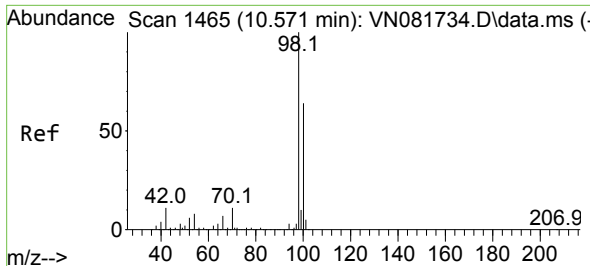
Ion Ratio Lower Upper

88 100

43 0.0 19.0 28.6#

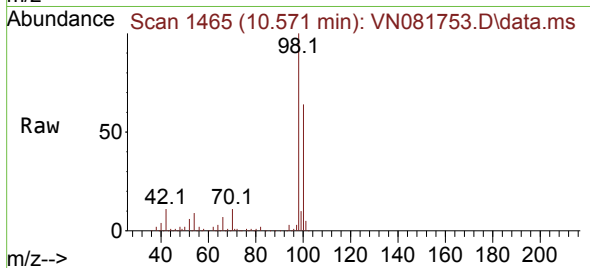
58 59.4 50.6 76.0



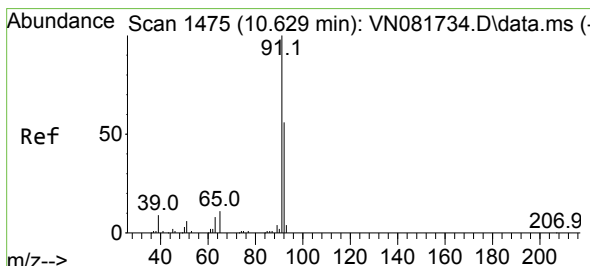
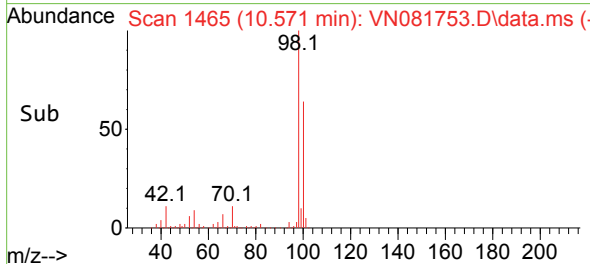
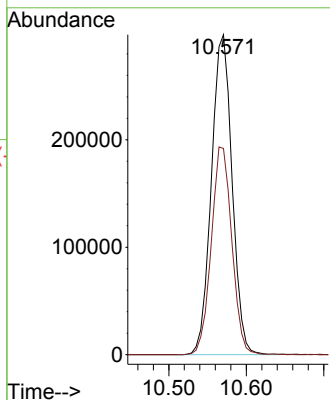


#50
Toluene-d8
Concen: 49.915 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN081753.D
Acq: 16 Apr 2024 12:51

Instrument :
MSVOA_N
ClientSampleId :

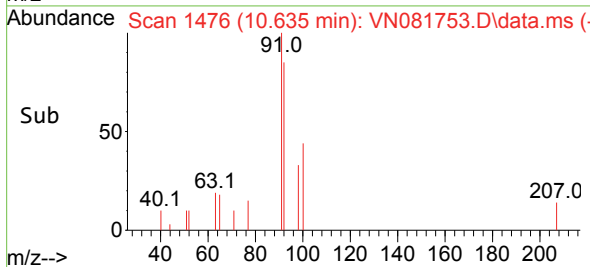
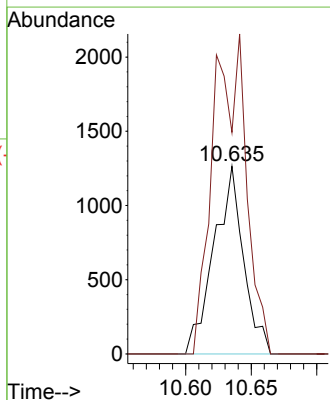
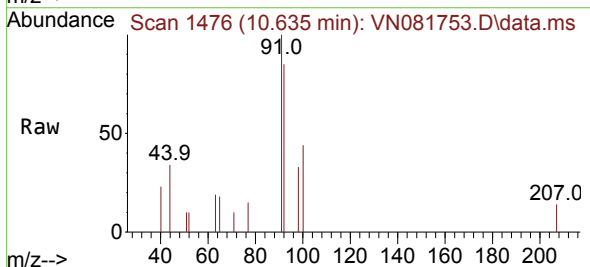


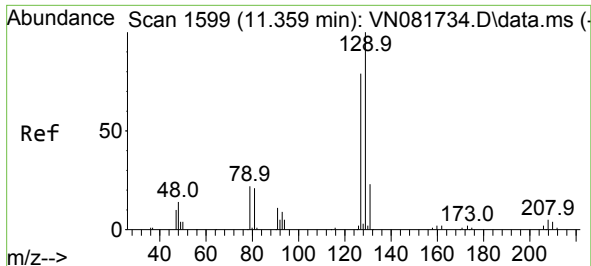
Tgt Ion: 98 Resp: 552150
Ion Ratio Lower Upper
98 100
100 64.4 51.8 77.6



#52
Toluene
Concen: 0.239 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. 0.006 min
Lab File: VN081753.D
Acq: 16 Apr 2024 12:51

Tgt Ion: 92 Resp: 1980
Ion Ratio Lower Upper
92 100
91 192.2 136.7 205.1

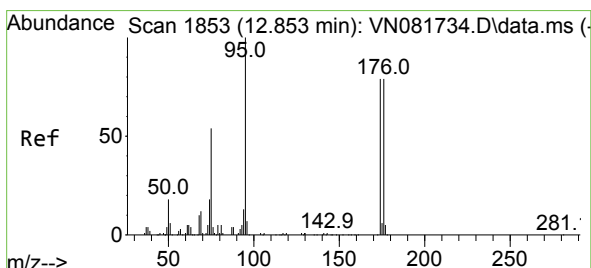
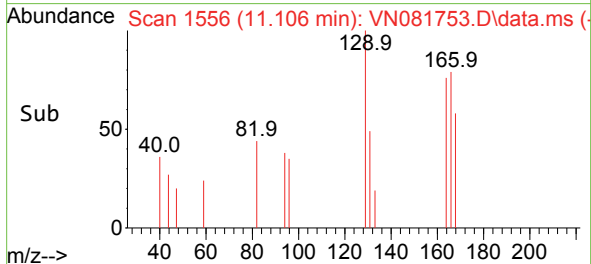
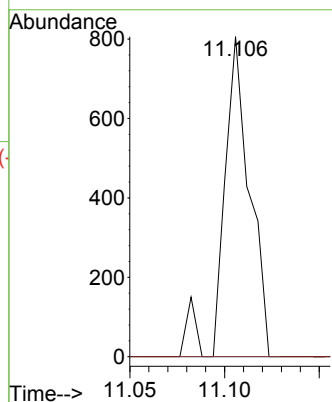
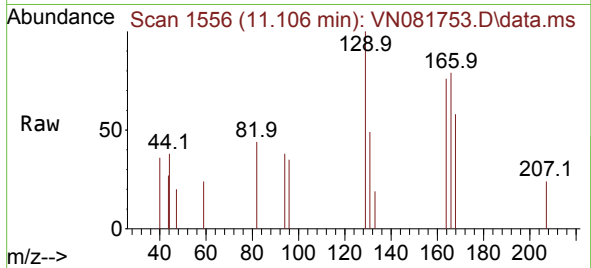




#60
Dibromochloromethane
Concen: 0.203 ug/l
RT: 11.106 min Scan# 11
Delta R.T. -0.253 min
Lab File: VN081753.D
Acq: 16 Apr 2024 12:51

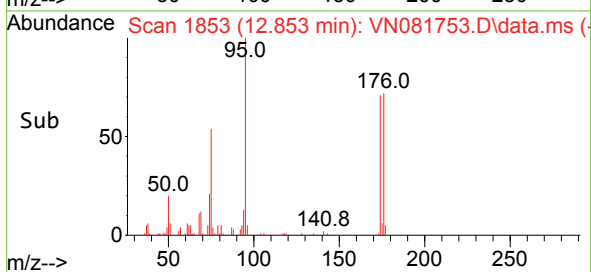
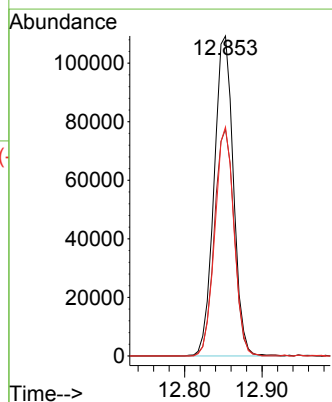
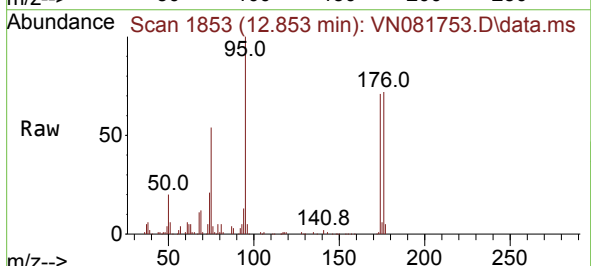
Instrument :
MSVOA_N
ClientSampleId :

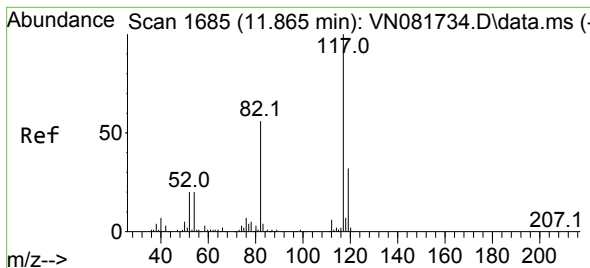
Tgt Ion:129 Resp: 764
Ion Ratio Lower Upper
129 100
127 0.0 38.3 114.8#



#62
4-Bromofluorobenzene
Concen: 50.053 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN081753.D
Acq: 16 Apr 2024 12:51

Tgt Ion: 95 Resp: 189206
Ion Ratio Lower Upper
95 100
174 72.2 0.0 160.6
176 70.6 0.0 152.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. -0.000 min

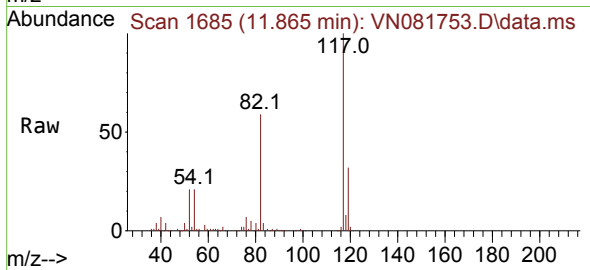
Lab File: VN081753.D

Acq: 16 Apr 2024 12:51

Instrument :

MSVOA_N

ClientSampleId :



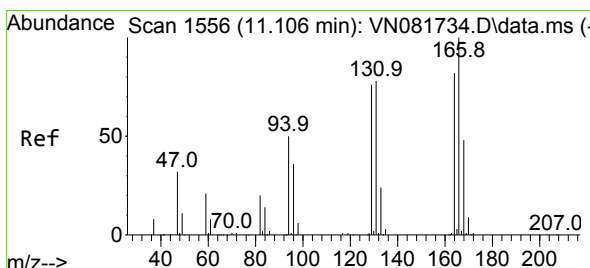
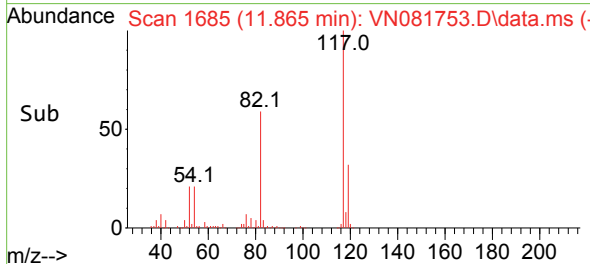
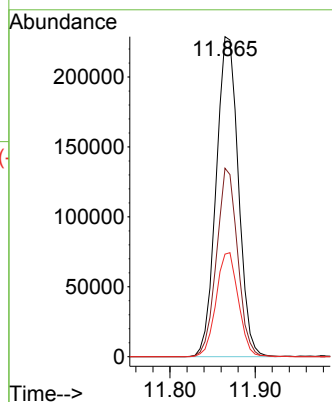
Tgt Ion:117 Resp: 414586

Ion Ratio Lower Upper

117 100

82 58.9 44.6 66.8

119 32.1 25.9 38.9



#64

Tetrachloroethene

Concen: 0.238 ug/l

RT: 11.106 min Scan# 1556

Delta R.T. -0.000 min

Lab File: VN081753.D

Acq: 16 Apr 2024 12:51

Tgt Ion:164 Resp: 836

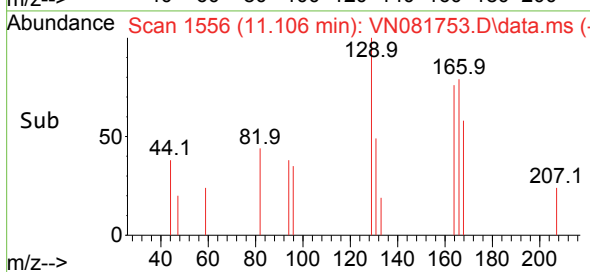
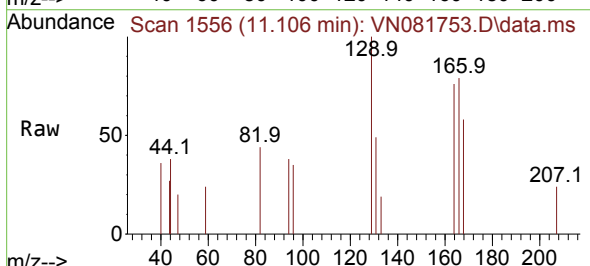
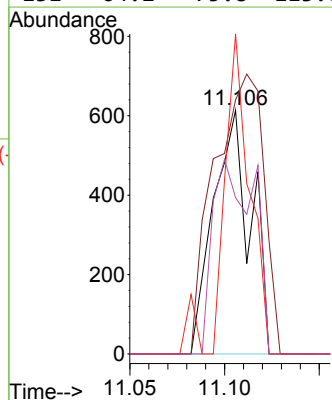
Ion Ratio Lower Upper

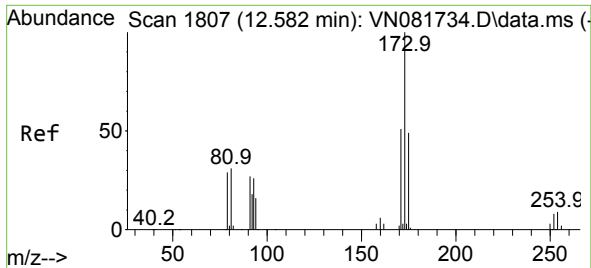
164 100

166 104.2 97.6 146.4

129 131.3 73.7 110.5#

131 64.2 75.8 113.6#

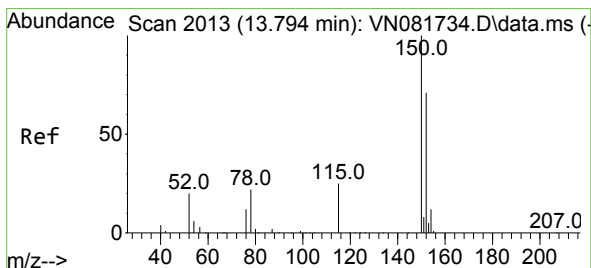
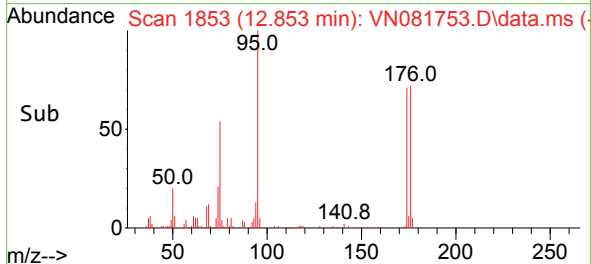
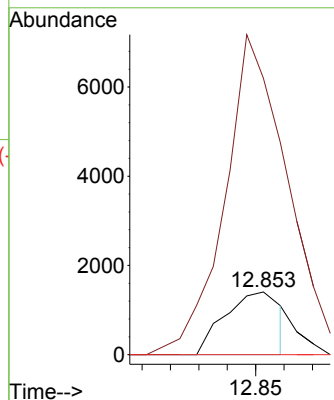
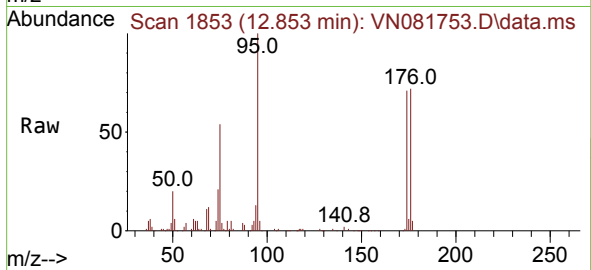




#71
Bromoform
Concen: 0.768 ug/l
RT: 12.853 min Scan# 1807
Delta R.T. 0.271 min
Lab File: VN081753.D
Acq: 16 Apr 2024 12:51

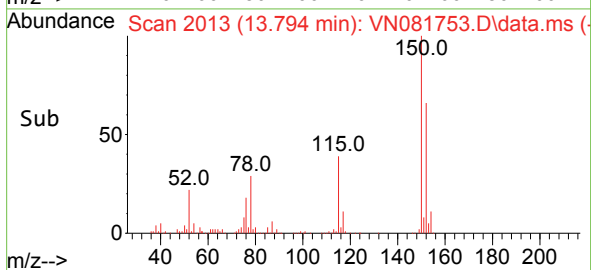
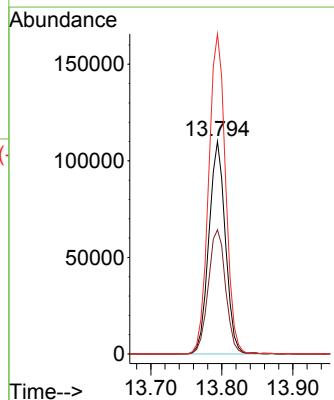
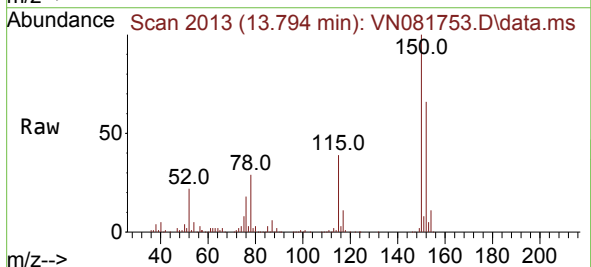
Instrument :
MSVOA_N
ClientSampleId :

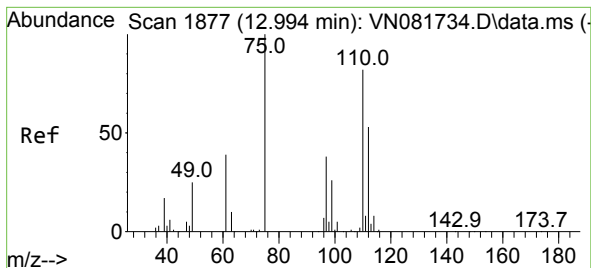
Tgt Ion:173 Resp: 1929
Ion Ratio Lower Upper
173 100
175 474.2 24.6 74.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN081753.D
Acq: 16 Apr 2024 12:51

Tgt Ion:152 Resp: 177916
Ion Ratio Lower Upper
152 100
115 61.3 30.4 91.3
150 153.6 0.0 353.2





#76

1,2,3-Trichloropropane

Concen: 29.883 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN081753.D

Acq: 16 Apr 2024 12:51

Instrument :

MSVOA_N

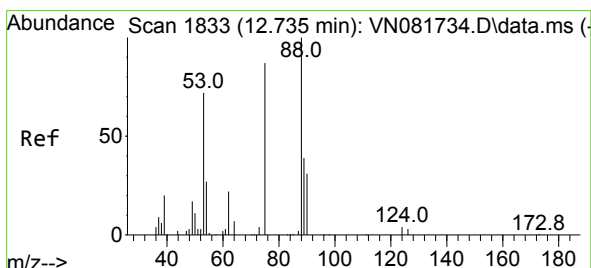
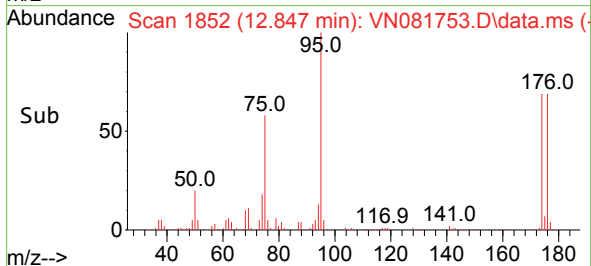
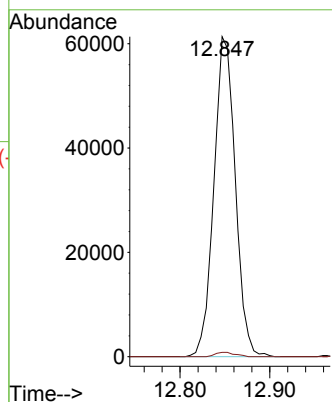
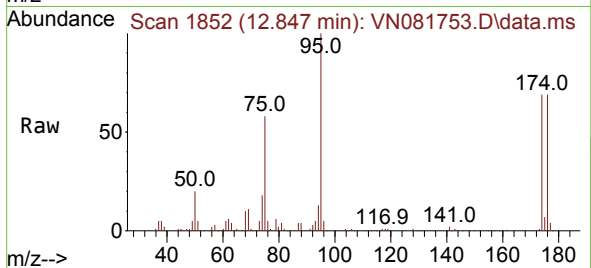
ClientSampleId :

Tgt Ion: 75 Resp: 101638

Ion Ratio Lower Upper

75 100

77 1.3 90.5 271.3#



#81

trans-1,4-Dichloro-2-butene

Concen: 69.900 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.112 min

Lab File: VN081753.D

Acq: 16 Apr 2024 12:51

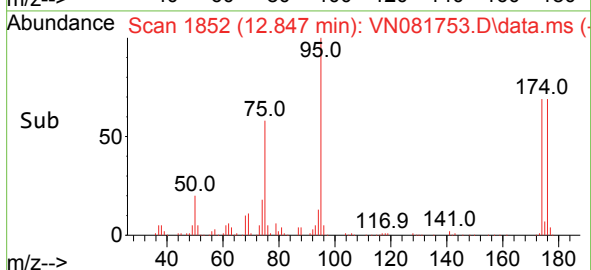
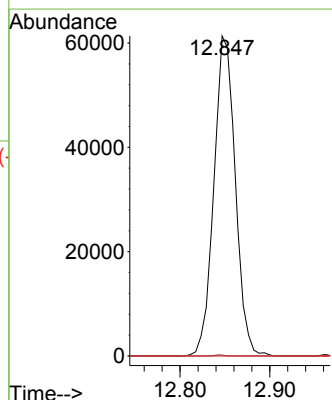
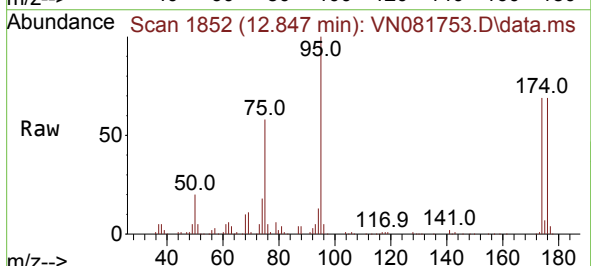
Tgt Ion: 75 Resp: 101638

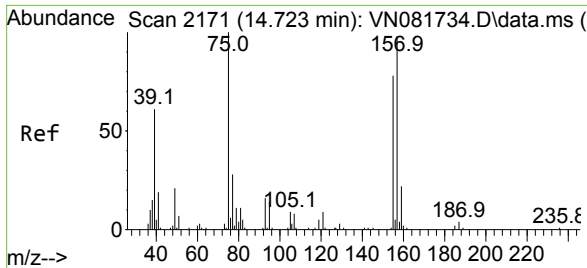
Ion Ratio Lower Upper

75 100

53 0.1 72.9 109.3#

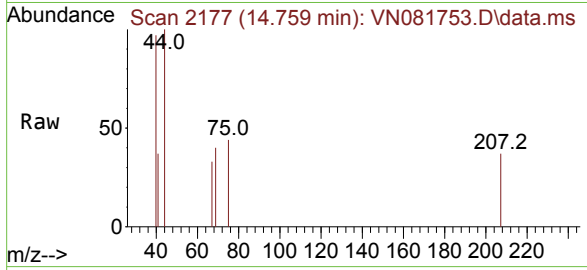
89 0.0 39.1 58.7#





#92
 1,2-Dibromo-3-Chloropropane
 Concen: Below Cal
 RT: 14.759 min Scan# 2177
 Delta R.T. 0.035 min
 Lab File: VN081753.D
 Acq: 16 Apr 2024 12:51

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	75	Resp:	76
Ion	Ratio	Lower	Upper
75	100		
155	0.0	42.6	128.0#
157	0.0	53.0	159.0#

