

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091223\
 Data File : VN079237.D
 Acq On : 12 Sep 2023 15:53
 Operator : JC\MD
 Sample : 04352-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 13 01:33:45 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091123W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 12 05:05:24 2023
 Response via : Initial Calibration

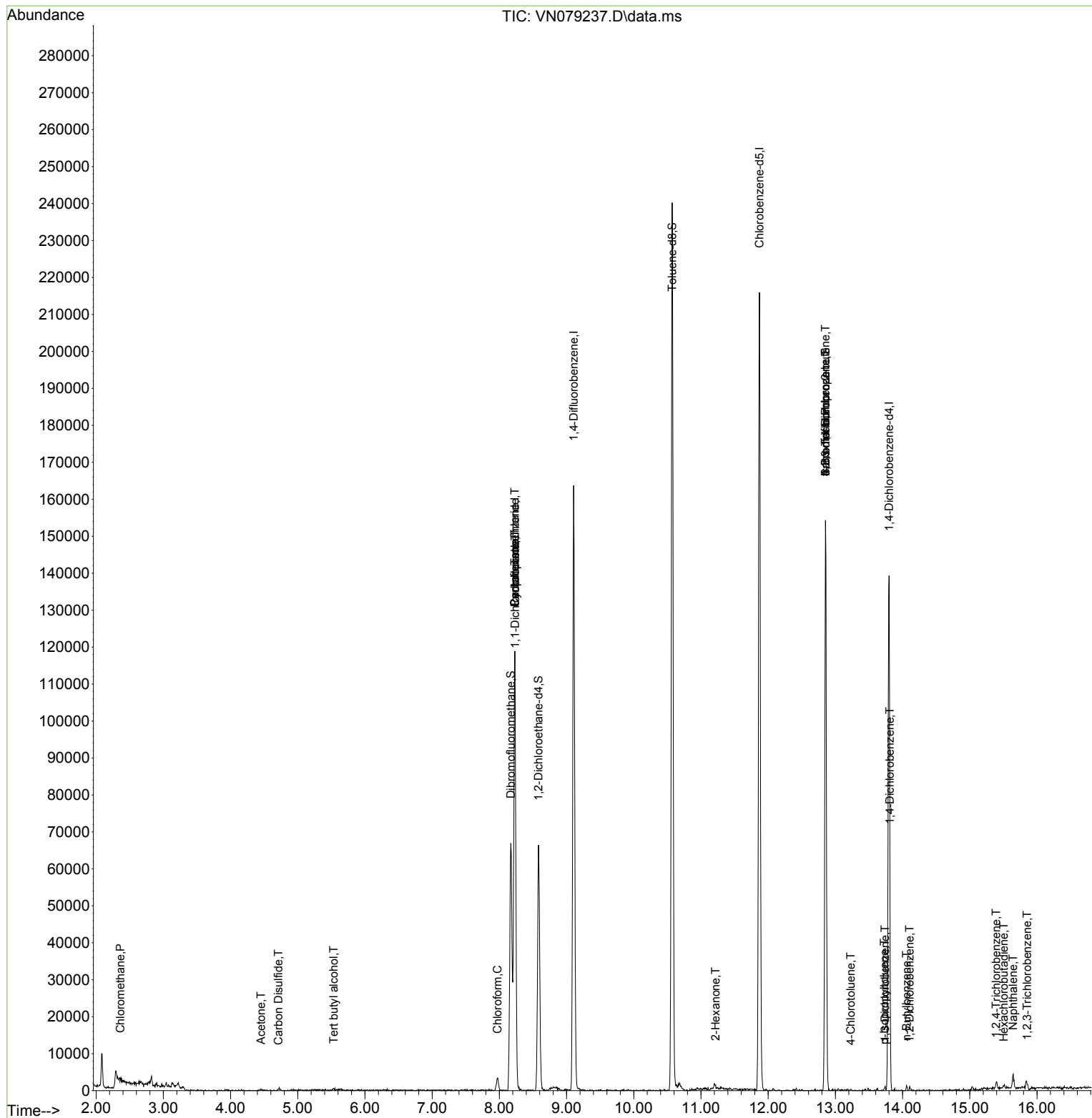
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.230	168	86732	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	141521	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	137928	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	41176	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	58809	50.230	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 100.460%	
35) Dibromofluoromethane	8.171	113	49200	52.264	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 104.520%	
50) Toluene-d8	10.571	98	173412	50.169	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 100.340%	
62) 4-Bromofluorobenzene	12.853	95	54098	49.065	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 98.140%	
Target Compounds						Qvalue
3) Chloromethane	2.359	50	285	0.253	ug/l #	42
6) Chloroethane	3.124	64	398	Below Cal	#	43
11) Tert butyl alcohol	5.536	59	286	1.323	ug/l #	72
16) Acetone	4.453	43	410	0.825	ug/l #	40
17) Carbon Disulfide	4.712	76	829	0.287	ug/l #	75
30) Chloroform	7.971	83	3860	1.857	ug/l	85
31) Cyclohexane	8.230	56	1532	0.896	ug/l #	1
36) 1,1-Dichloropropene	8.236	75	6447	4.443	ug/l #	50
38) Carbon Tetrachloride	8.230	117	8872	5.909	ug/l #	17
59) 2-Hexanone	11.218	43	1143	1.151	ug/l	79
71) Bromoform	12.853	173	301	0.348	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	28145	25.362	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	28145	69.724	ug/l #	15
82) 4-Chlorotoluene	13.229	91	554	0.214	ug/l #	41
86) p-Isopropyltoluene	13.729	119	742	0.261	ug/l #	50
87) 1,3-Dichlorobenzene	13.741	146	519	0.334	ug/l #	40
88) 1,4-Dichlorobenzene	13.812	146	585	0.372	ug/l #	59
89) n-Butylbenzene	14.059	91	960	0.430	ug/l	81
91) 1,2-Dichlorobenzene	14.106	146	513	0.334	ug/l	73
93) 1,2,4-Trichlorobenzene	15.394	180	848	1.536	ug/l	90
94) Hexachlorobutadiene	15.506	225	527	1.214	ug/l #	67
95) Naphthalene	15.647	128	4222	2.575	ug/l #	94
96) 1,2,3-Trichlorobenzene	15.853	180	1268	1.948	ug/l #	77

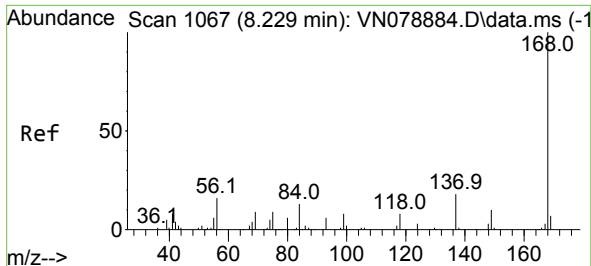
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091223\
Data File : VN079237.D
Acq On : 12 Sep 2023 15:53
Operator : JC\MD
Sample : 04352-03
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Sep 13 01:33:45 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091123W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 12 05:05:24 2023
Response via : Initial Calibration

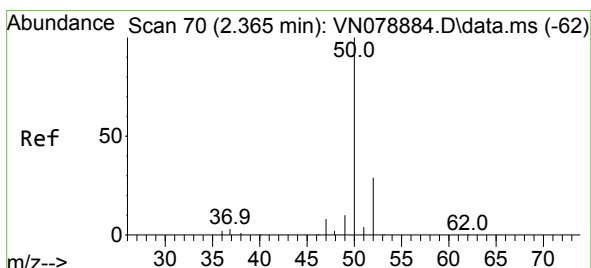
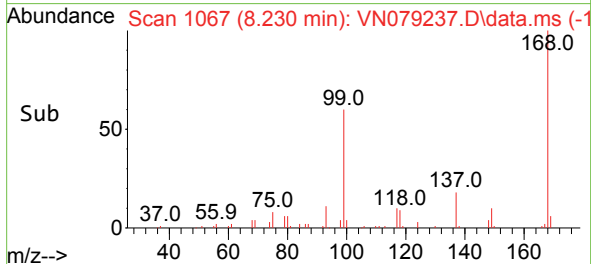
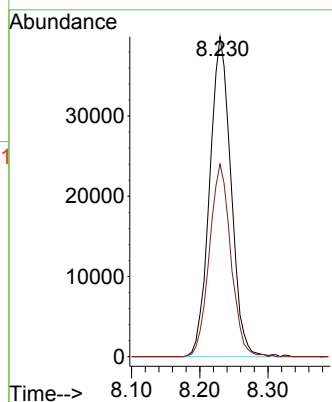
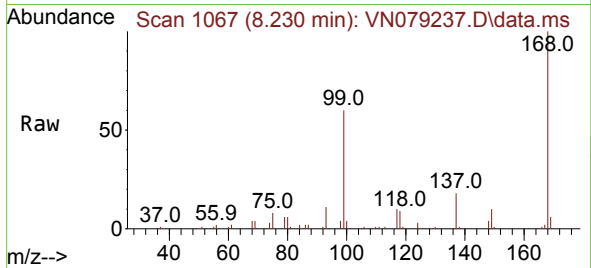




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN079237.D
Acq: 12 Sep 2023 15:53

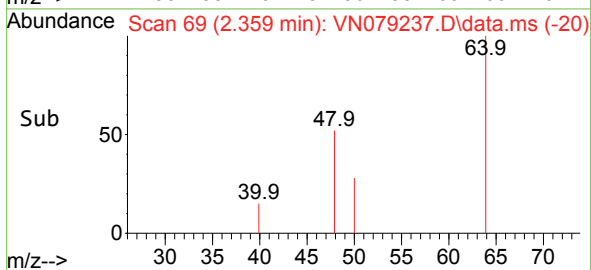
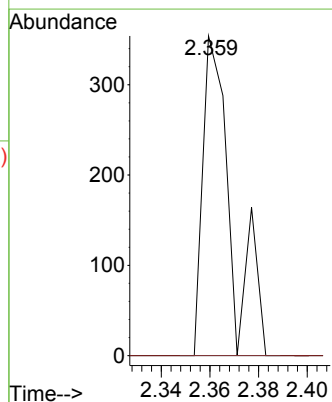
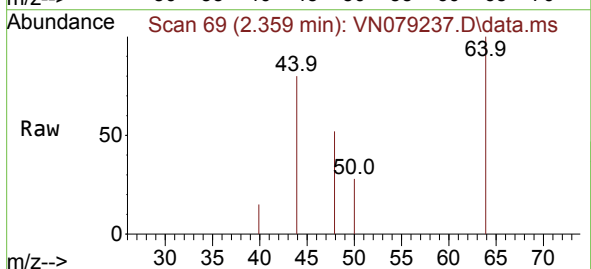
Instrument :
MSVOA_N
ClientSampleId :

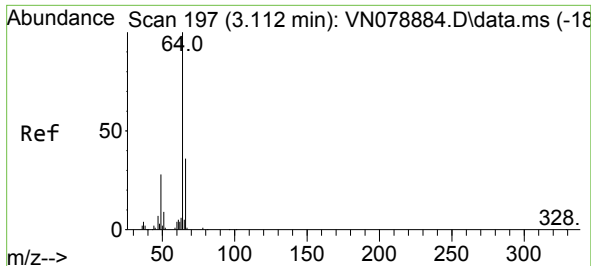
Tgt Ion:168 Resp: 86732
Ion Ratio Lower Upper
168 100
99 60.1 53.0 79.6



#3
Chloromethane
Concen: 0.253 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.012 min
Lab File: VN079237.D
Acq: 12 Sep 2023 15:53

Tgt Ion: 50 Resp: 285
Ion Ratio Lower Upper
50 100
52 0.0 26.5 39.7#

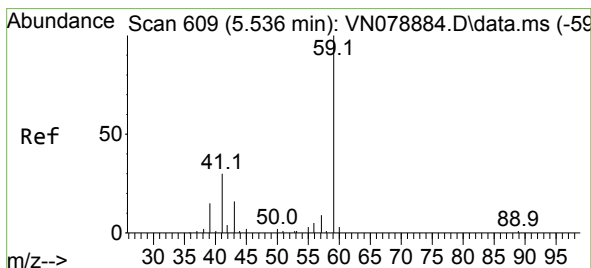
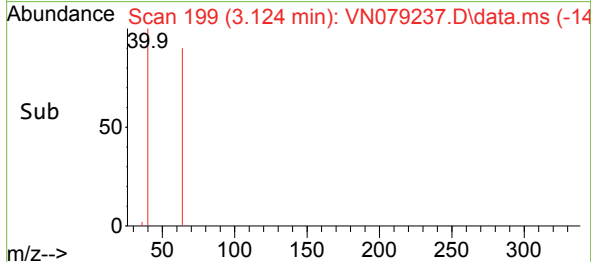
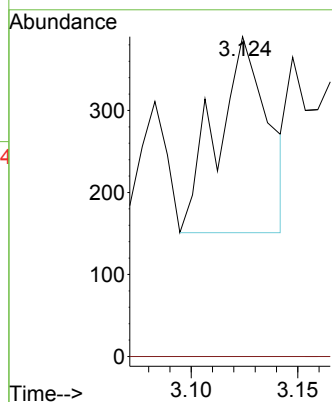
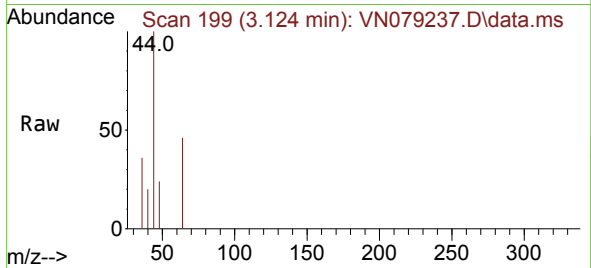




#6
Chloroethane
Concen: Below Cal
RT: 3.124 min Scan# 197
Delta R.T. 0.006 min
Lab File: VN079237.D
Acq: 12 Sep 2023 15:53

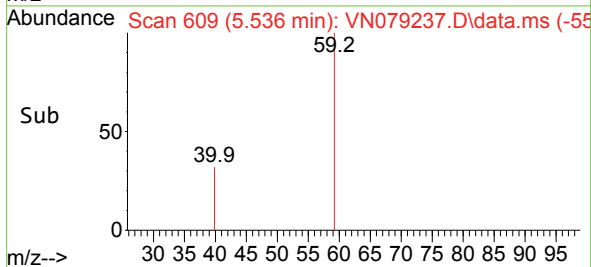
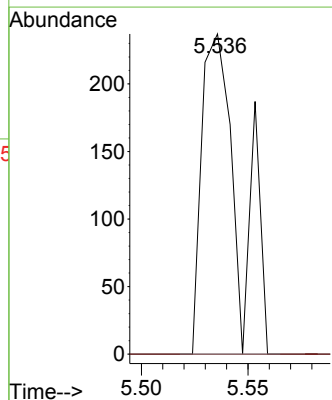
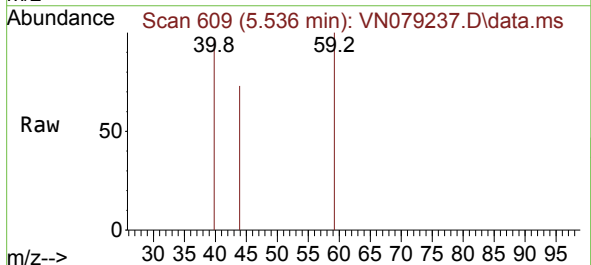
Instrument :
MSVOA_N
ClientSampleId :

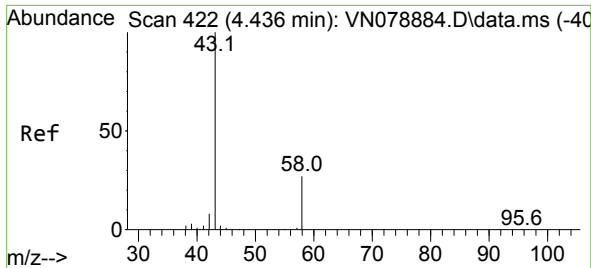
Tgt Ion: 64 Resp: 398
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#



#11
Tert butyl alcohol
Concen: 1.323 ug/l
RT: 5.536 min Scan# 609
Delta R.T. -0.006 min
Lab File: VN079237.D
Acq: 12 Sep 2023 15:53

Tgt Ion: 59 Resp: 286
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

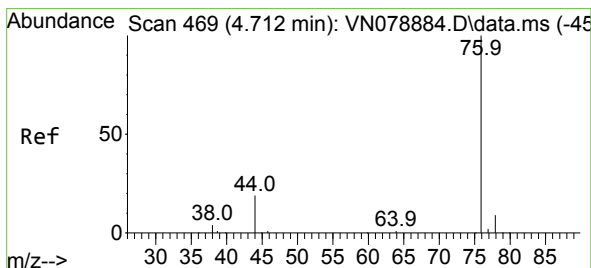
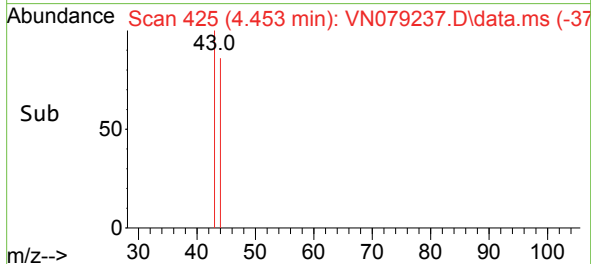
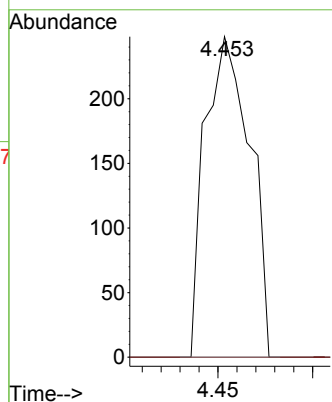
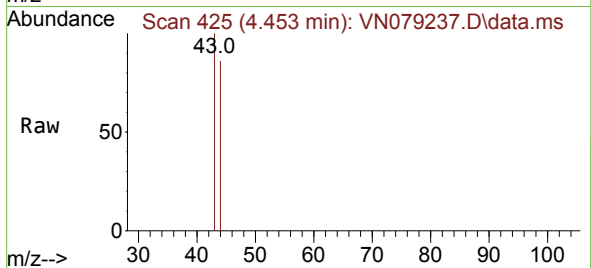




#16
Acetone
Concen: 0.825 ug/l
RT: 4.453 min Scan# 410
Delta R.T. 0.011 min
Lab File: VN079237.D
Acq: 12 Sep 2023 15:53

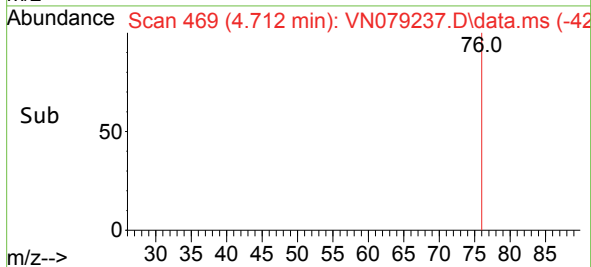
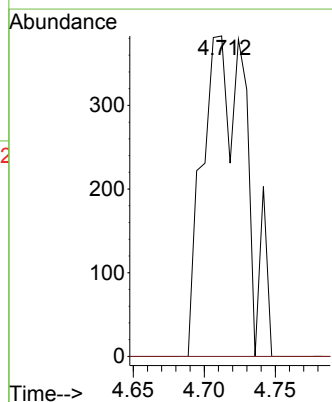
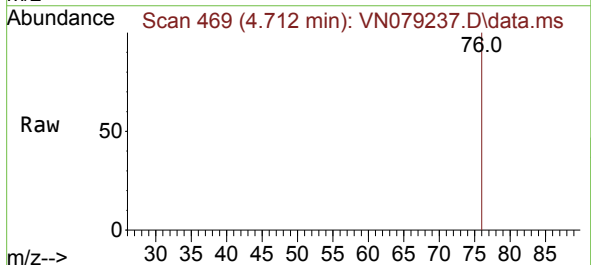
Instrument :
MSVOA_N
ClientSampleId :

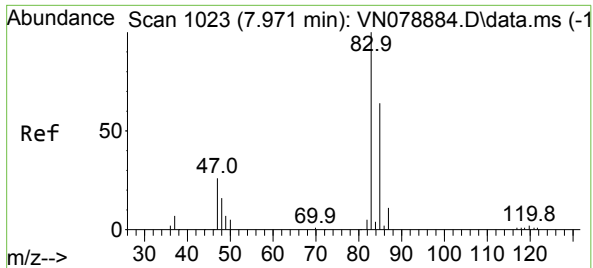
Tgt Ion: 43 Resp: 410
Ion Ratio Lower Upper
43 100
58 0.0 28.0 42.0#



#17
Carbon Disulfide
Concen: 0.287 ug/l
RT: 4.712 min Scan# 469
Delta R.T. -0.012 min
Lab File: VN079237.D
Acq: 12 Sep 2023 15:53

Tgt Ion: 76 Resp: 829
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#





#30

Chloroform

Concen: 1.857 ug/l

RT: 7.971 min Scan# 1023

Delta R.T. -0.006 min

Lab File: VN079237.D

Acq: 12 Sep 2023 15:53

Instrument :

MSVOA_N

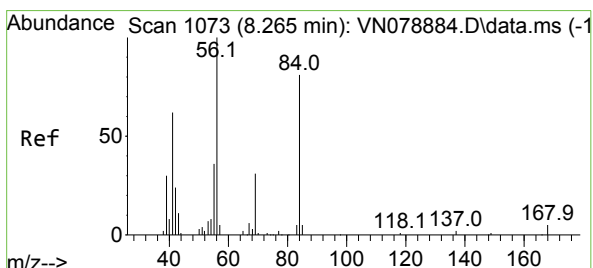
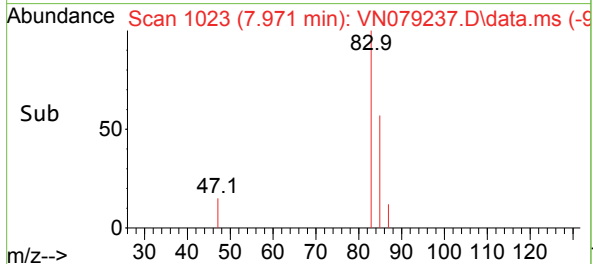
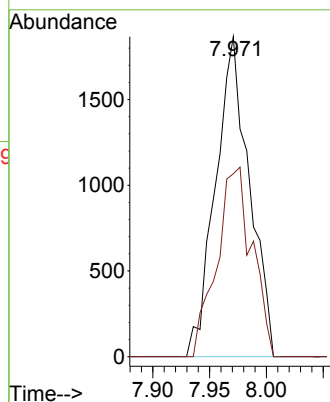
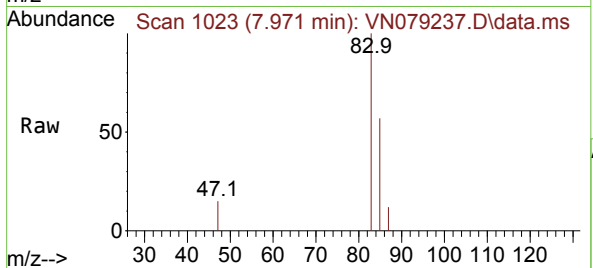
ClientSampleId :

Tgt Ion: 83 Resp: 3860

Ion Ratio Lower Upper

83 100

85 57.2 55.4 83.0



#31

Cyclohexane

Concen: 0.896 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.035 min

Lab File: VN079237.D

Acq: 12 Sep 2023 15:53

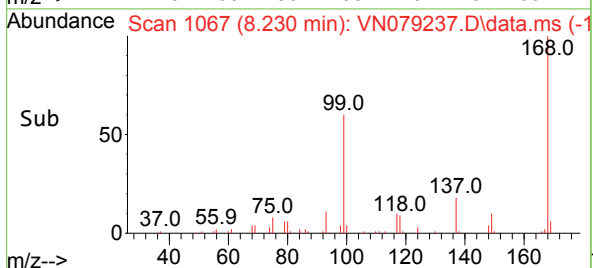
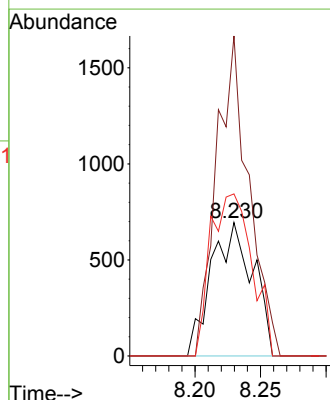
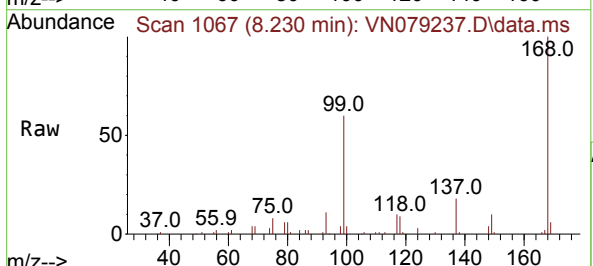
Tgt Ion: 56 Resp: 1532

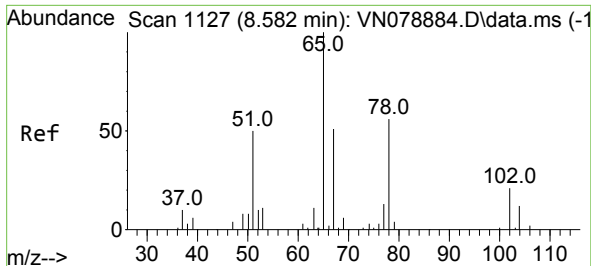
Ion Ratio Lower Upper

56 100

69 239.7 26.8 40.2#

84 121.4 81.8 122.6





#33

1,2-Dichloroethane-d4

Concen: 50.230 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VN079237.D

Acq: 12 Sep 2023 15:53

Instrument :

MSVOA_N

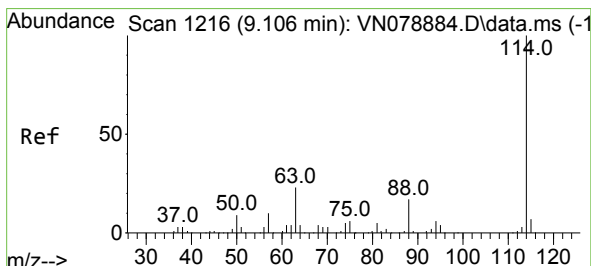
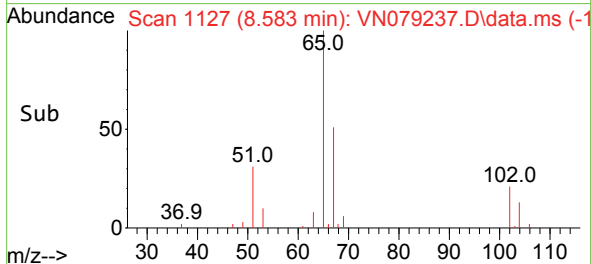
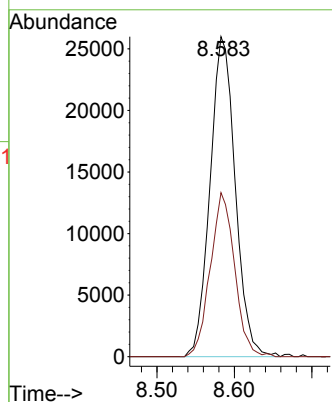
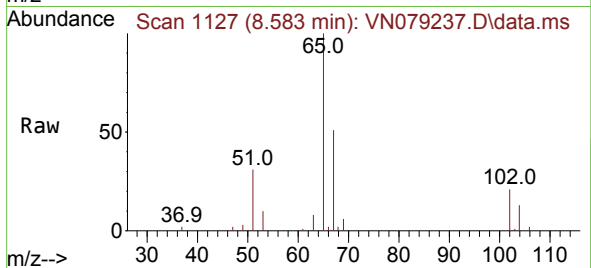
ClientSampleId :

Tgt Ion: 65 Resp: 58809

Ion Ratio Lower Upper

65 100

67 49.5 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. -0.006 min

Lab File: VN079237.D

Acq: 12 Sep 2023 15:53

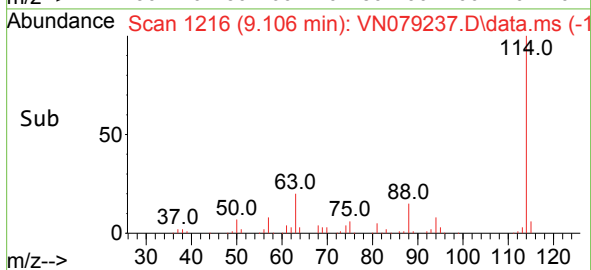
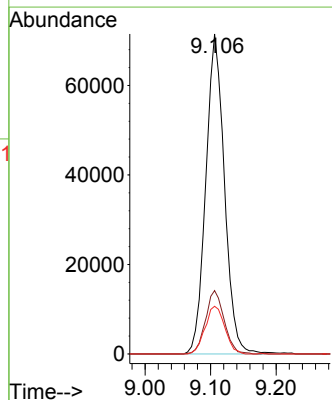
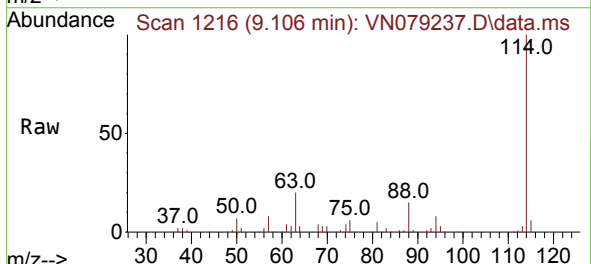
Tgt Ion: 114 Resp: 141521

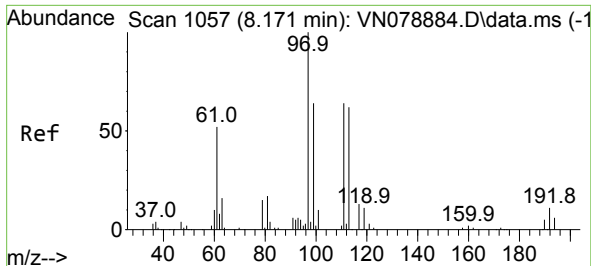
Ion Ratio Lower Upper

114 100

63 19.8 0.0 36.4

88 14.9 0.0 30.6





#35

Dibromofluoromethane

Concen: 52.264 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.000 min

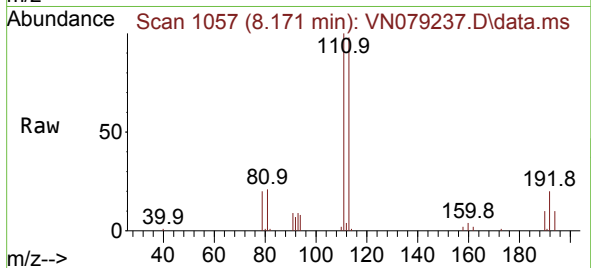
Lab File: VN079237.D

Acq: 12 Sep 2023 15:53

Instrument :

MSVOA_N

ClientSampleId :



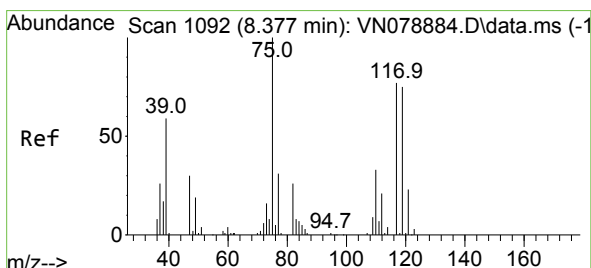
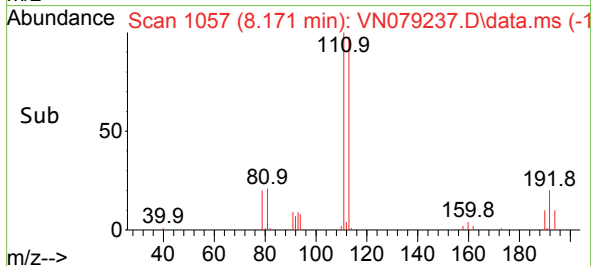
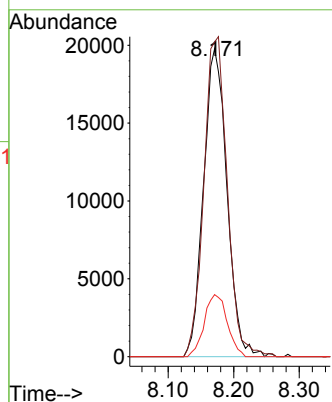
Tgt Ion:113 Resp: 49200

Ion Ratio Lower Upper

113 100

111 103.5 82.6 123.8

192 19.7 12.7 19.1#



#36

1,1-Dichloropropene

Concen: 4.443 ug/l

RT: 8.236 min Scan# 1068

Delta R.T. -0.141 min

Lab File: VN079237.D

Acq: 12 Sep 2023 15:53

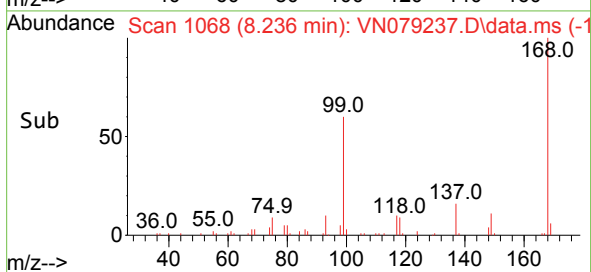
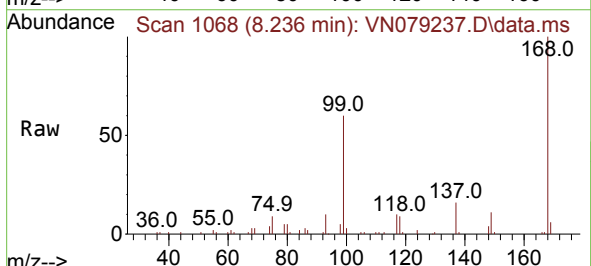
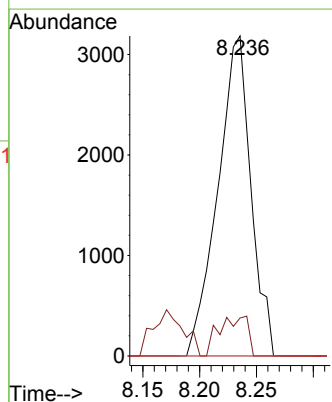
Tgt Ion: 75 Resp: 6447

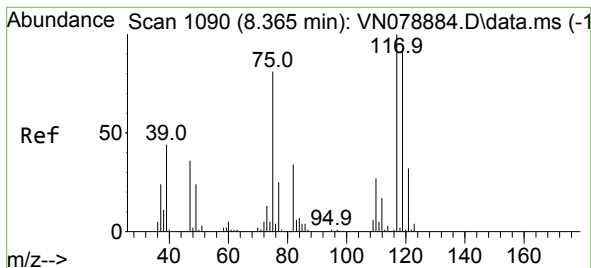
Ion Ratio Lower Upper

75 100

110 10.8 19.1 57.3#

77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 5.909 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.141 min

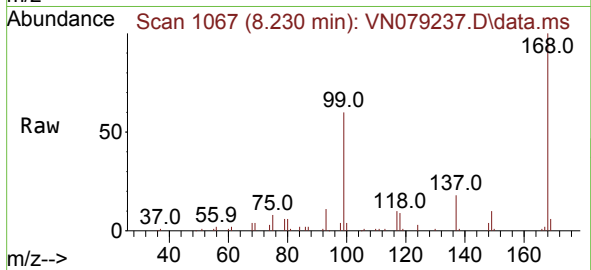
Lab File: VN079237.D

Acq: 12 Sep 2023 15:53

Instrument :

MSVOA_N

ClientSampleId :



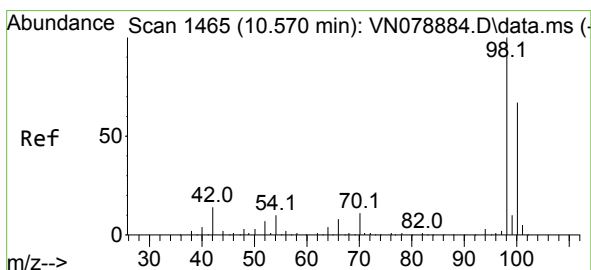
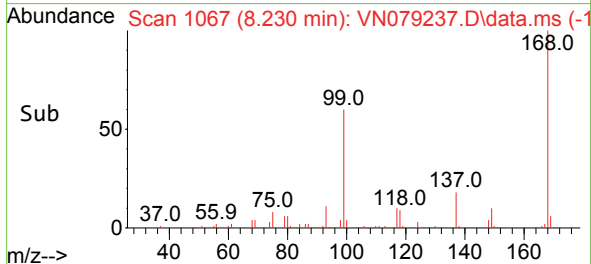
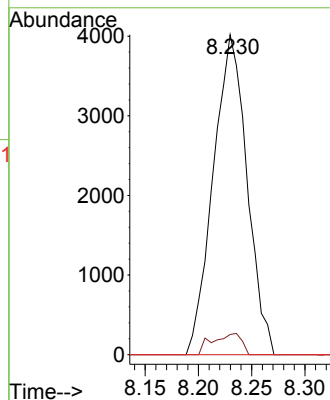
Tgt Ion:117 Resp: 8872

Ion Ratio Lower Upper

117 100

119 6.3 77.3 115.9#

121 0.0 23.3 34.9#



#50

Toluene-d8

Concen: 50.169 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. -0.000 min

Lab File: VN079237.D

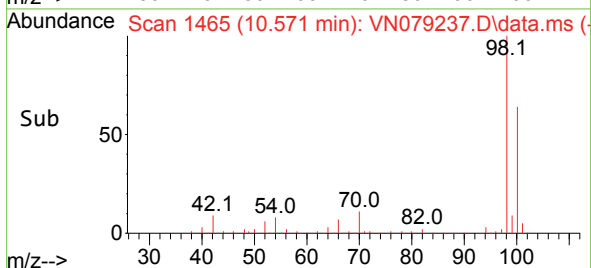
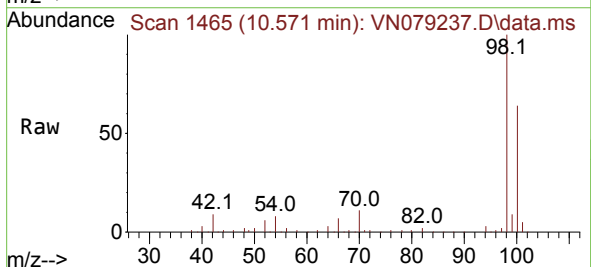
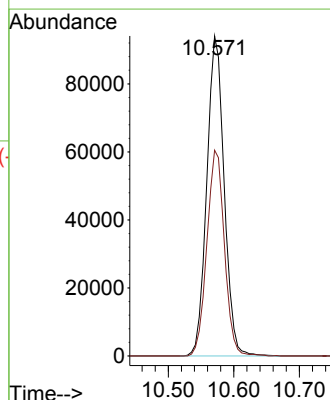
Acq: 12 Sep 2023 15:53

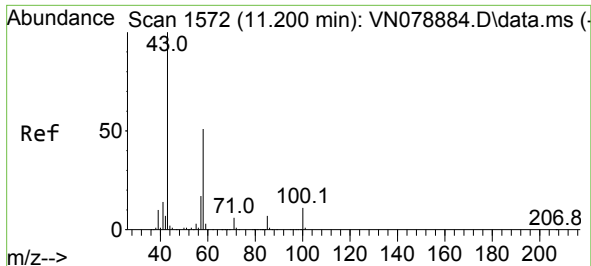
Tgt Ion: 98 Resp: 173412

Ion Ratio Lower Upper

98 100

100 64.9 52.0 78.0

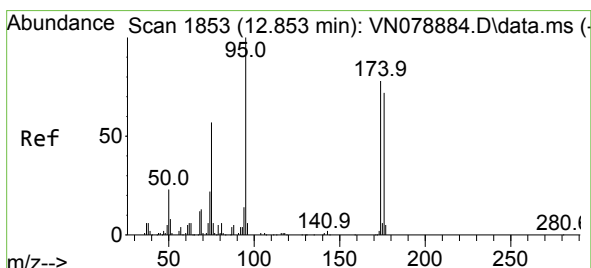
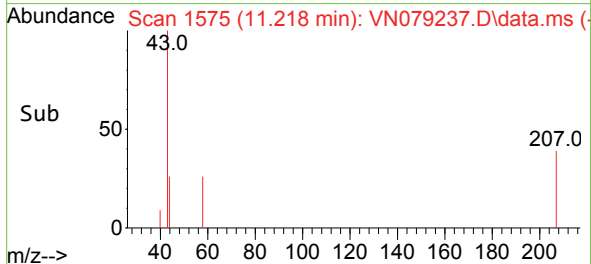
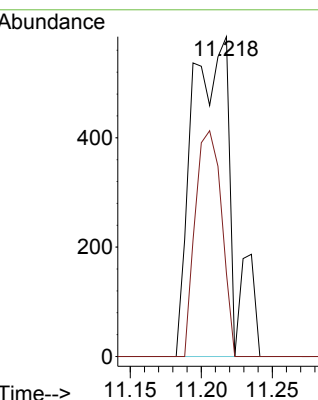
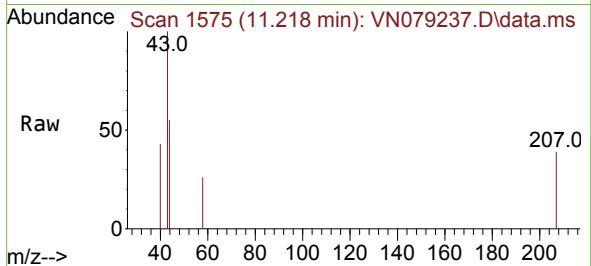




#59
2-Hexanone
Concen: 1.151 ug/l
RT: 11.218 min Scan# 11
Delta R.T. 0.018 min
Lab File: VN079237.D
Acq: 12 Sep 2023 15:53

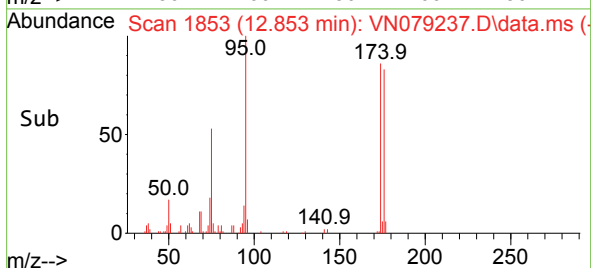
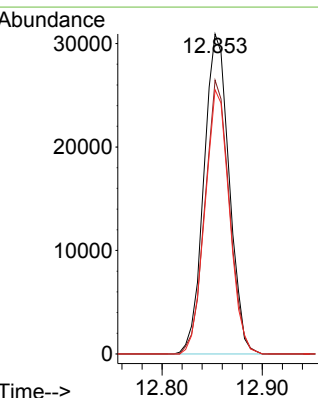
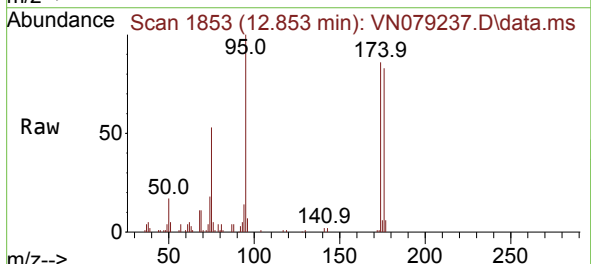
Instrument :
MSVOA_N
ClientSampleId :

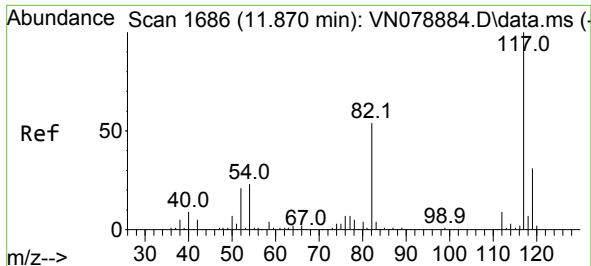
Tgt Ion: 43 Resp: 1143
Ion Ratio Lower Upper
43 100
58 46.8 31.7 95.1



#62
4-Bromofluorobenzene
Concen: 49.065 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN079237.D
Acq: 12 Sep 2023 15:53

Tgt Ion: 95 Resp: 54098
Ion Ratio Lower Upper
95 100
174 82.7 0.0 143.8
176 80.0 0.0 135.8

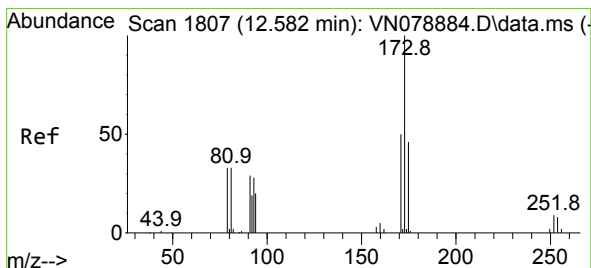
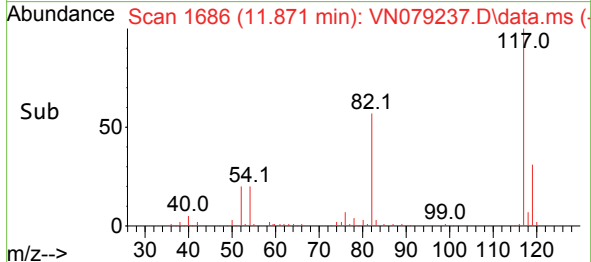
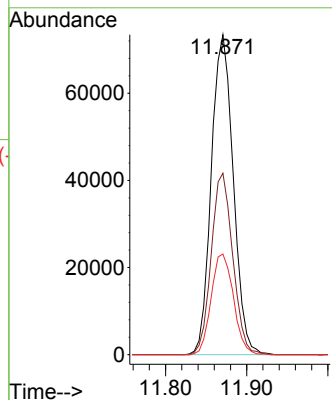
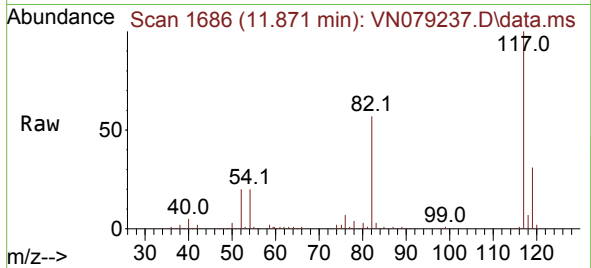




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN079237.D
Acq: 12 Sep 2023 15:53

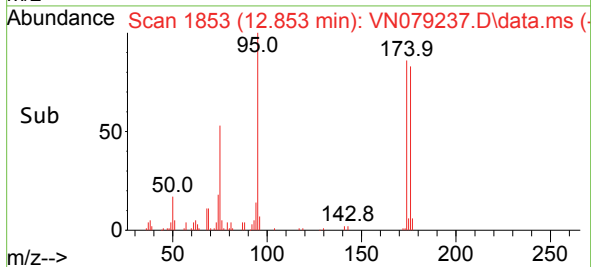
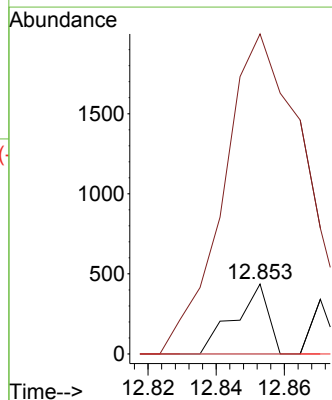
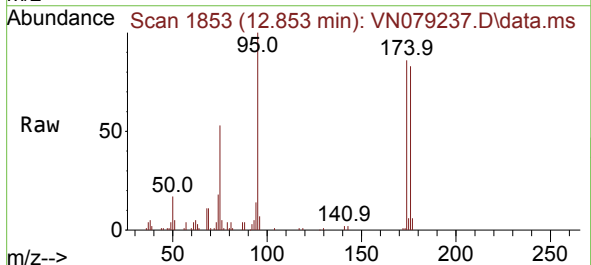
Instrument :
MSVOA_N
ClientSampleId :

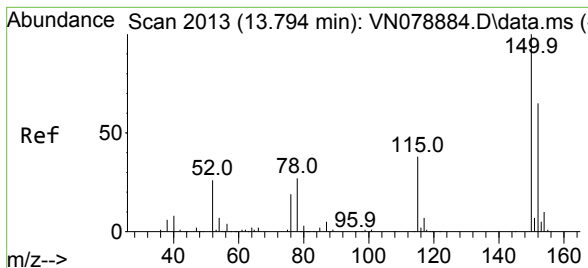
Tgt Ion:117 Resp: 137928
Ion Ratio Lower Upper
117 100
82 56.7 44.0 66.0
119 31.5 25.6 38.4



#71
Bromoform
Concen: 0.348 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.271 min
Lab File: VN079237.D
Acq: 12 Sep 2023 15:53

Tgt Ion:173 Resp: 301
Ion Ratio Lower Upper
173 100
175 801.7 24.3 73.0#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.800 min Scan# 20

Delta R.T. 0.006 min

Lab File: VN079237.D

Acq: 12 Sep 2023 15:53

Instrument :

MSVOA_N

ClientSampleId :

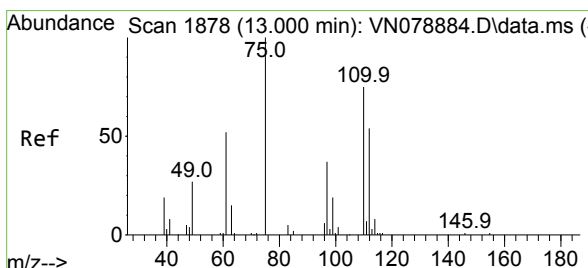
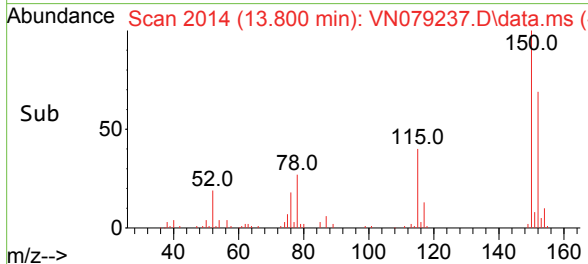
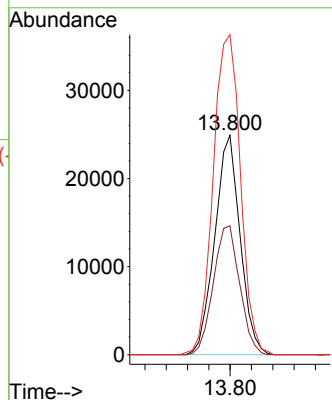
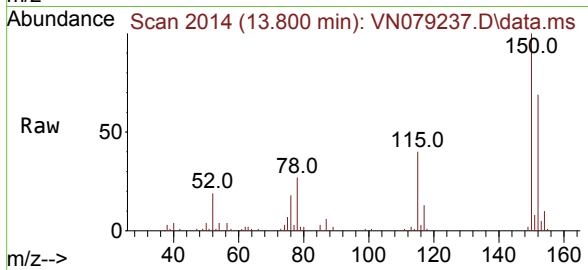
Tgt Ion:152 Resp: 41176

Ion Ratio Lower Upper

152 100

115 60.9 32.3 96.8

150 156.7 0.0 355.8



#76

1,2,3-Trichloropropane

Concen: 25.362 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.147 min

Lab File: VN079237.D

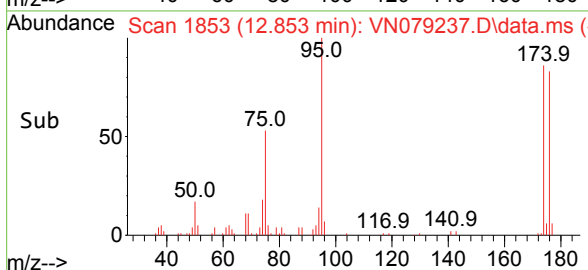
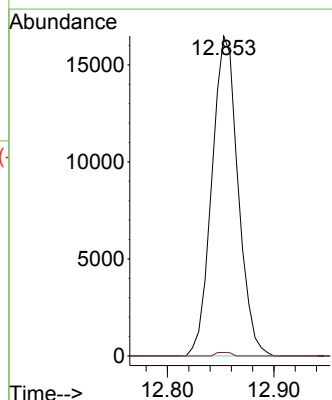
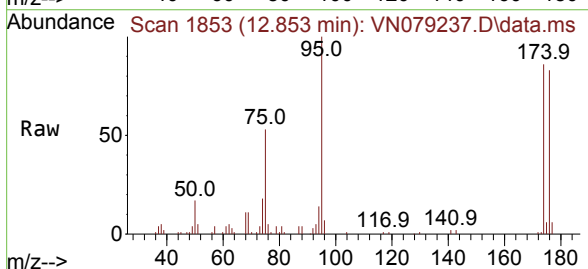
Acq: 12 Sep 2023 15:53

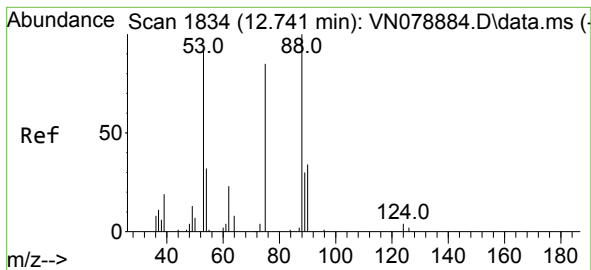
Tgt Ion: 75 Resp: 28145

Ion Ratio Lower Upper

75 100

77 0.7 84.5 253.5#

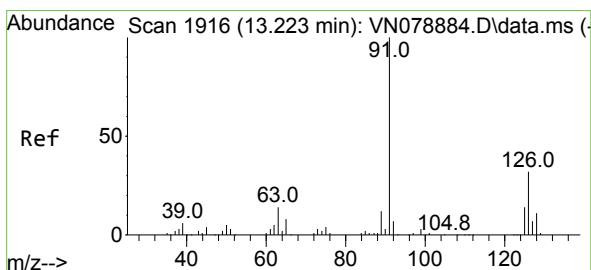
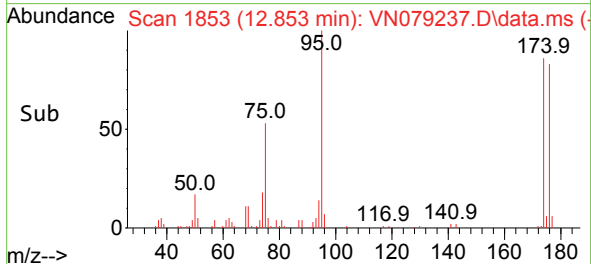
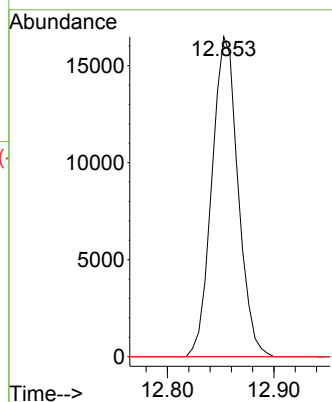
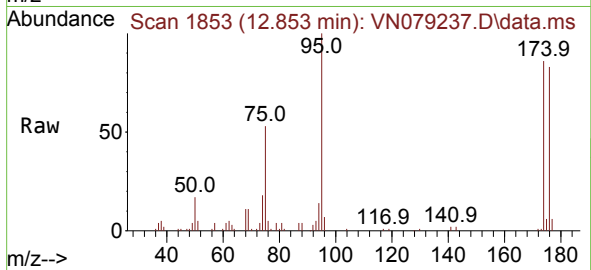




#81
 trans-1,4-Dichloro-2-butene
 Concen: 69.724 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. 0.112 min
 Lab File: VN079237.D
 Acq: 12 Sep 2023 15:53

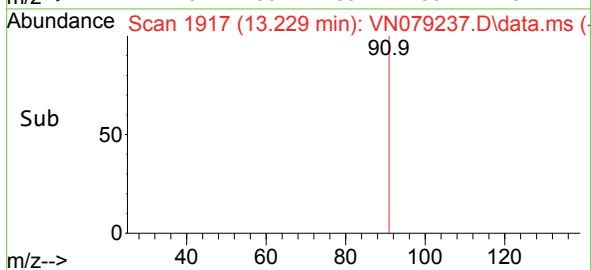
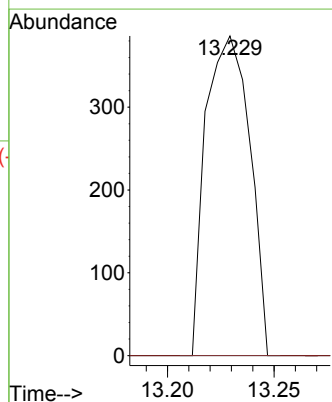
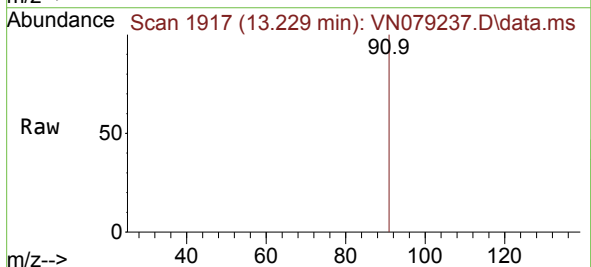
Instrument :
 MSVOA_N
 ClientSampleId :

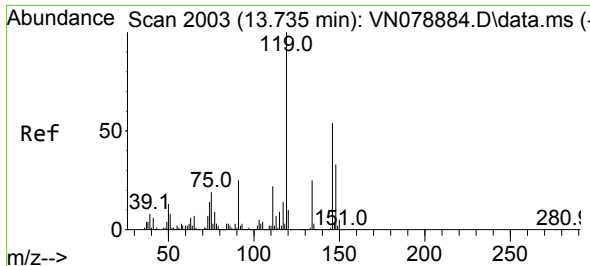
Tgt Ion: 75 Resp: 28145
 Ion Ratio Lower Upper
 75 100
 53 0.0 67.4 101.2#
 89 0.0 38.8 58.2#



#82
 4-Chlorotoluene
 Concen: 0.214 ug/l
 RT: 13.229 min Scan# 1917
 Delta R.T. 0.000 min
 Lab File: VN079237.D
 Acq: 12 Sep 2023 15:53

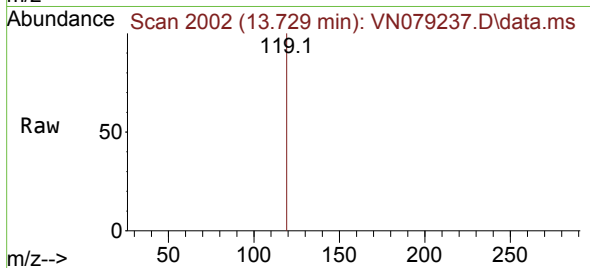
Tgt Ion: 91 Resp: 554
 Ion Ratio Lower Upper
 91 100
 126 0.0 16.7 50.0#



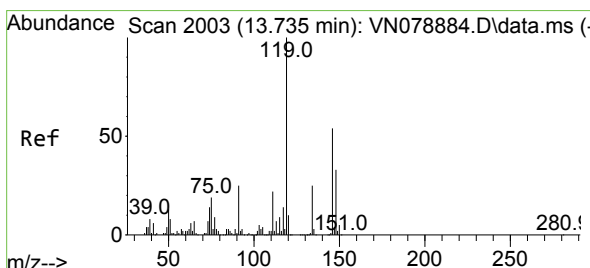
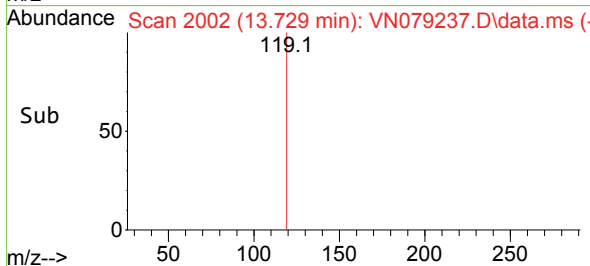
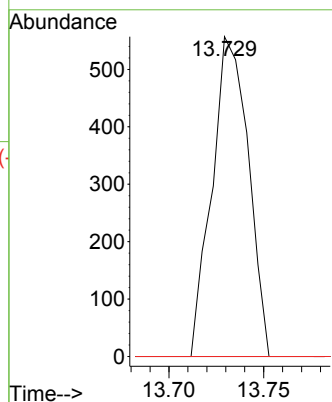


#86
p-Isopropyltoluene
Concen: 0.261 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. -0.006 min
Lab File: VN079237.D
Acq: 12 Sep 2023 15:53

Instrument :
MSVOA_N
ClientSampleId :

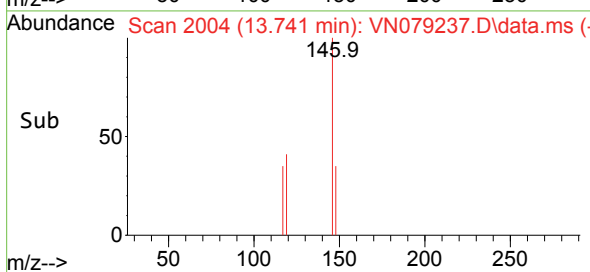
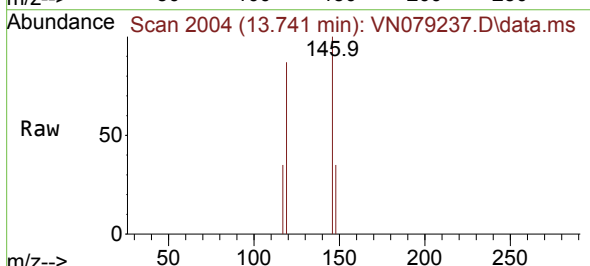
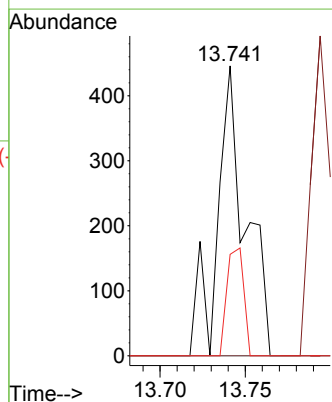


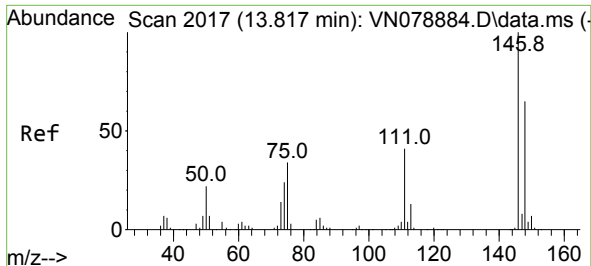
Tgt Ion:119 Resp: 742
Ion Ratio Lower Upper
119 100
134 0.0 12.6 37.8#
91 0.0 12.4 37.2#



#87
1,3-Dichlorobenzene
Concen: 0.334 ug/l
RT: 13.741 min Scan# 2004
Delta R.T. 0.000 min
Lab File: VN079237.D
Acq: 12 Sep 2023 15:53

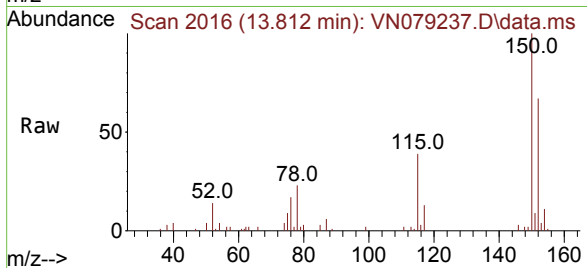
Tgt Ion:146 Resp: 519
Ion Ratio Lower Upper
146 100
111 0.0 22.1 66.3#
148 22.0 32.0 96.0#



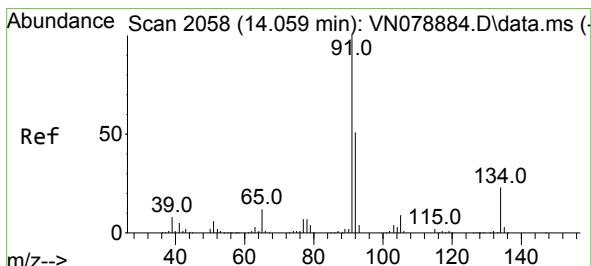
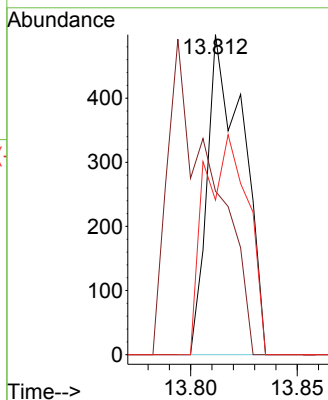
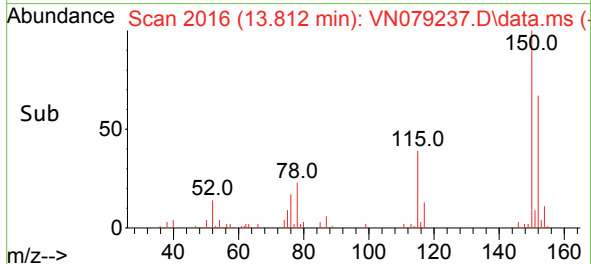


#88
1,4-Dichlorobenzene
Concen: 0.372 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. -0.006 min
Lab File: VN079237.D
Acq: 12 Sep 2023 15:53

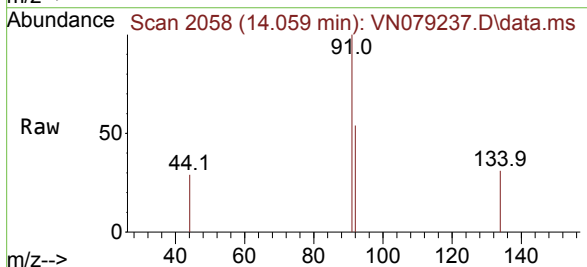
Instrument :
MSVOA_N
ClientSampleId :



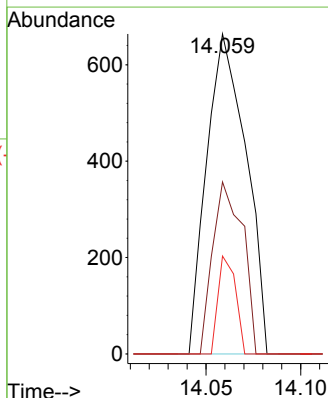
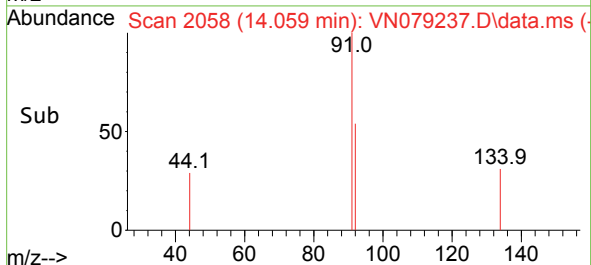
Tgt Ion:146 Resp: 585
Ion Ratio Lower Upper
146 100
111 0.0 20.6 61.8#
148 82.9 31.6 94.8

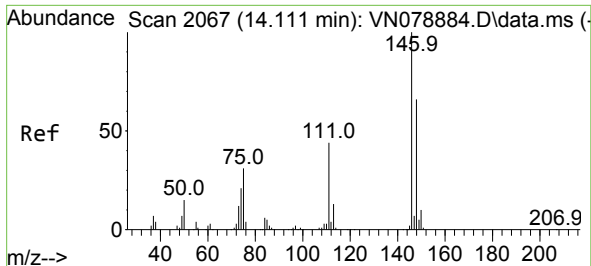


#89
n-Butylbenzene
Concen: 0.430 ug/l
RT: 14.059 min Scan# 2058
Delta R.T. -0.000 min
Lab File: VN079237.D
Acq: 12 Sep 2023 15:53



Tgt Ion: 91 Resp: 960
Ion Ratio Lower Upper
91 100
92 40.9 26.4 79.0
134 13.5 12.6 37.6





#91

1,2-Dichlorobenzene

Concen: 0.334 ug/l

RT: 14.106 min Scan# 2066

Delta R.T. -0.006 min

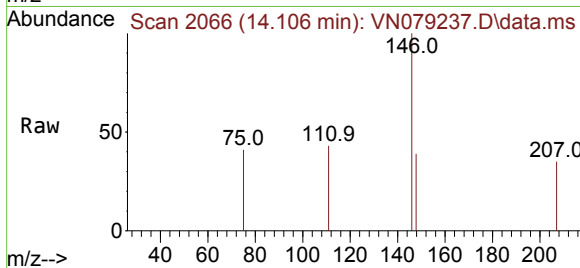
Lab File: VN079237.D

Acq: 12 Sep 2023 15:53

Instrument :

MSVOA_N

ClientSampleId :



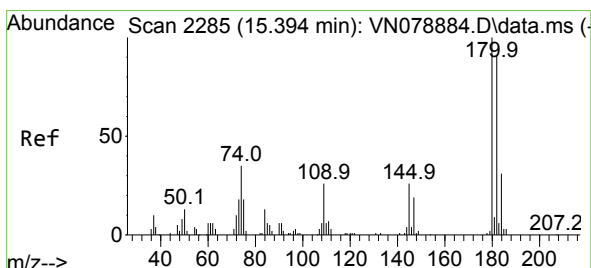
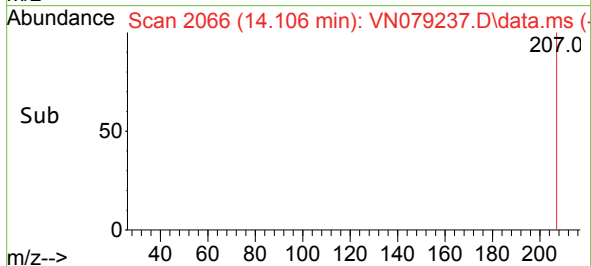
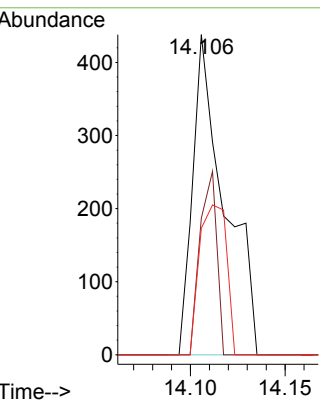
Tgt Ion:146 Resp: 513

Ion Ratio Lower Upper

146 100

111 30.2 22.0 66.0

148 39.6 31.8 95.3



#93

1,2,4-Trichlorobenzene

Concen: 1.536 ug/l

RT: 15.394 min Scan# 2285

Delta R.T. -0.006 min

Lab File: VN079237.D

Acq: 12 Sep 2023 15:53

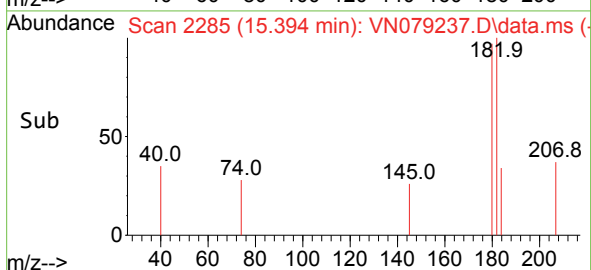
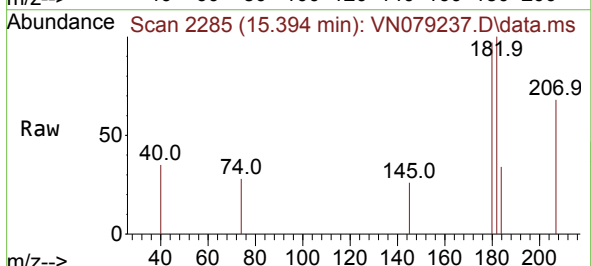
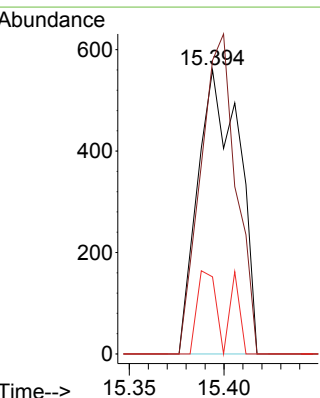
Tgt Ion:180 Resp: 848

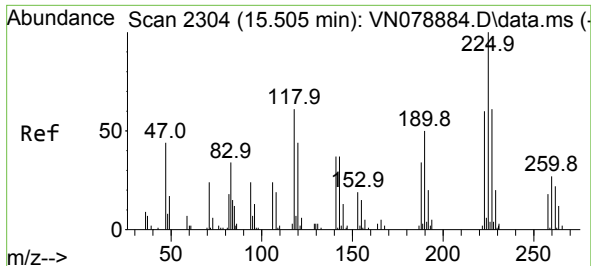
Ion Ratio Lower Upper

180 100

182 96.8 46.1 138.2

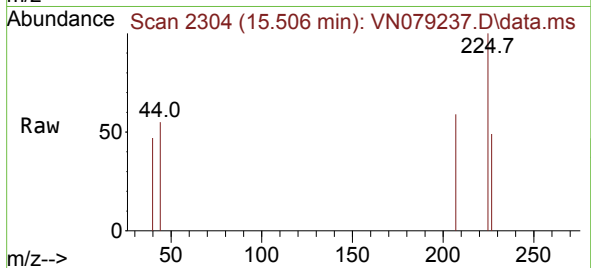
145 19.9 16.6 49.8



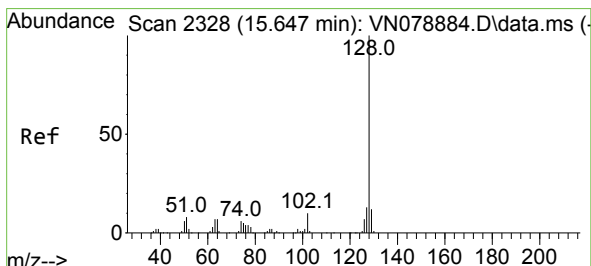
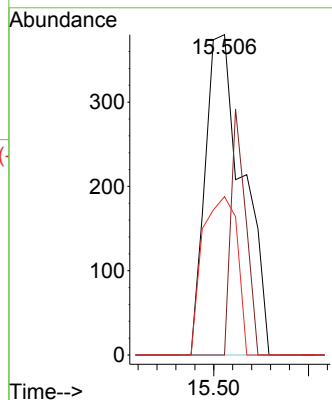
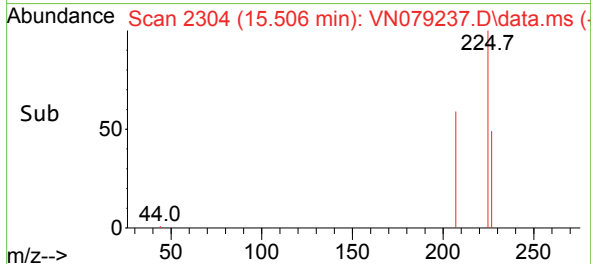


#94
Hexachlorobutadiene
Concen: 1.214 ug/l
RT: 15.506 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN079237.D
Acq: 12 Sep 2023 15:53

Instrument :
MSVOA_N
ClientSampleId :

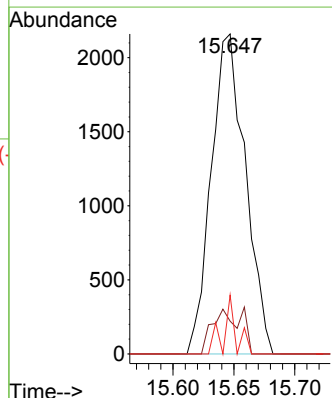
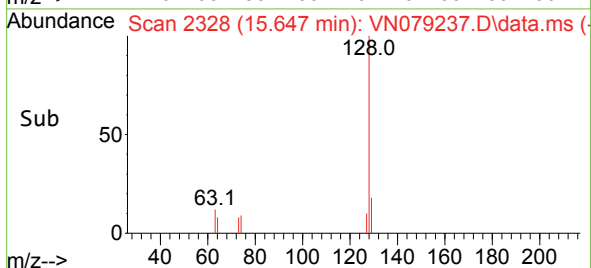
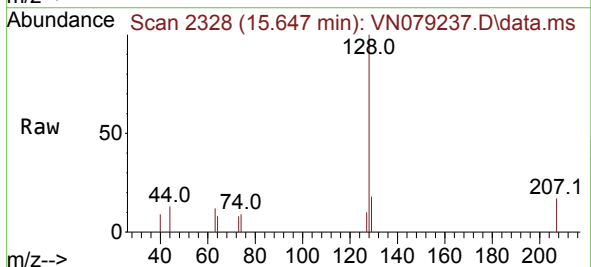


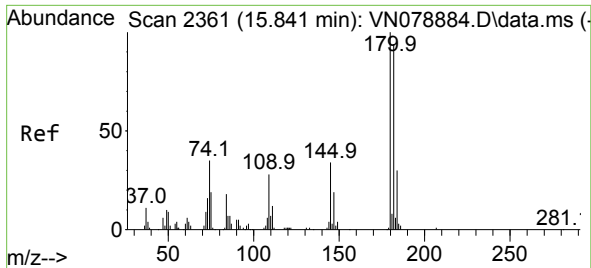
Tgt Ion:225 Resp: 527
Ion Ratio Lower Upper
225 100
223 29.8 31.3 93.8#
227 45.2 31.9 95.9



#95
Naphthalene
Concen: 2.575 ug/l
RT: 15.647 min Scan# 2328
Delta R.T. -0.000 min
Lab File: VN079237.D
Acq: 12 Sep 2023 15:53

Tgt Ion:128 Resp: 4222
Ion Ratio Lower Upper
128 100
127 11.8 10.0 15.0
129 6.6 8.7 13.1#





#96

1,2,3-Trichlorobenzene

Concen: 1.948 ug/l

RT: 15.853 min Scan# 21

Delta R.T. 0.006 min

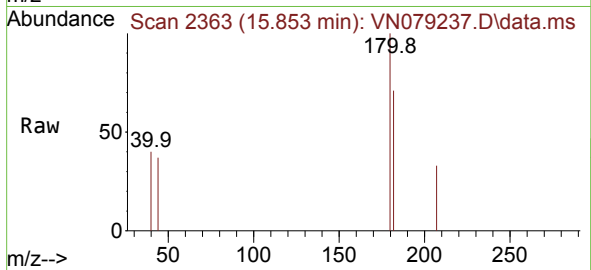
Lab File: VN079237.D

Acq: 12 Sep 2023 15:53

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:180 Resp: 1268

Ion Ratio Lower Upper

180 100

182 73.4 46.2 138.6

145 16.1 17.5 52.6#

