

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061523\
 Data File : VN078234.D
 Acq On : 15 Jun 2023 17:33
 Operator : JC\MD
 Sample : 03231-14
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 16 06:09:50 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060623W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 07 05:05:00 2023
 Response via : Initial Calibration

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

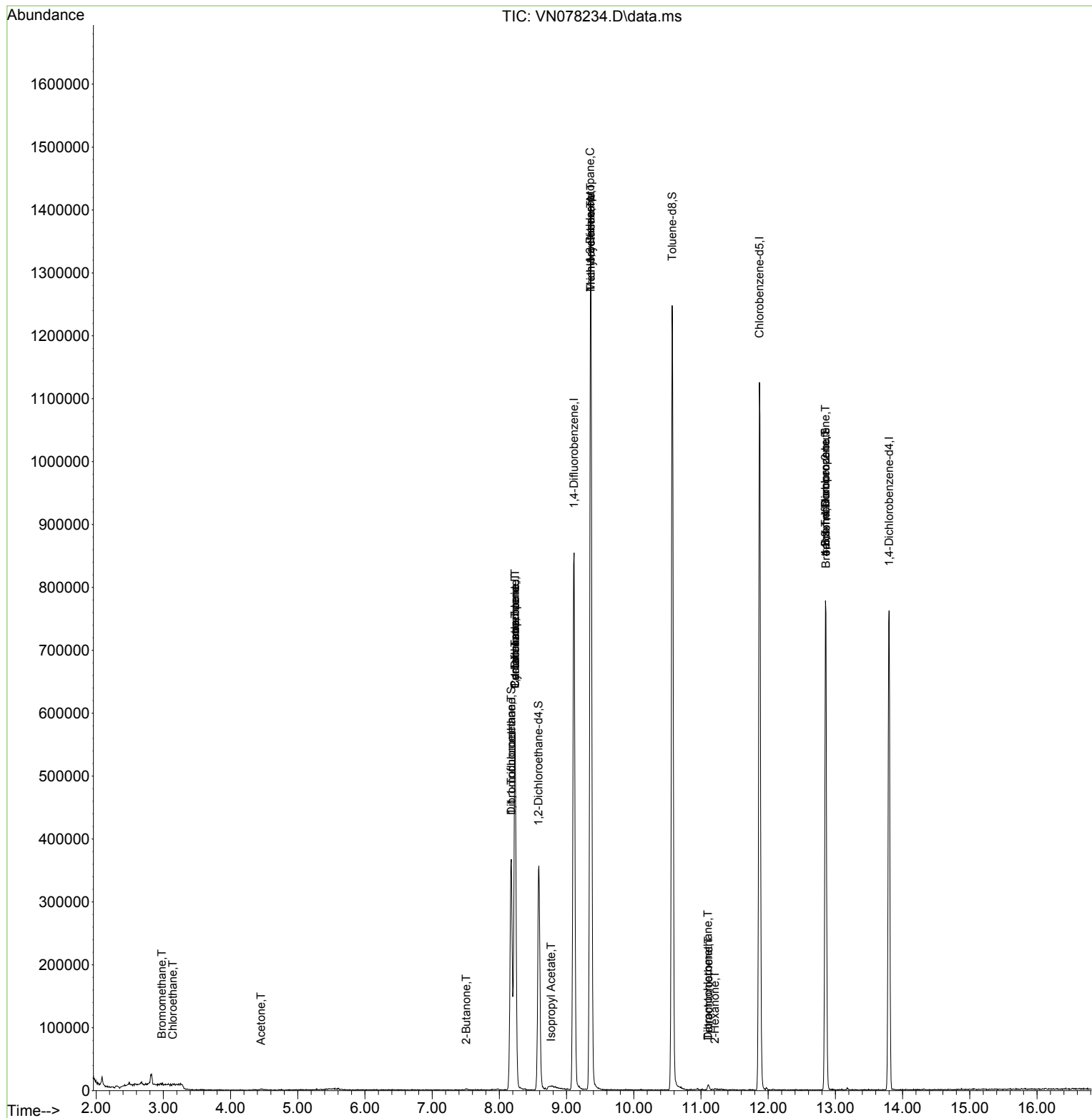
Internal Standards						
1) Pentafluorobenzene	8.235	168	402649	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	752944	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	682010	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	211843	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	299397	55.769	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	111.540%
35) Dibromofluoromethane	8.177	113	258166	54.228	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	108.460%
50) Toluene-d8	10.571	98	907214	49.431	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	98.860%
62) 4-Bromofluorobenzene	12.853	95	276977	48.545	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	97.100%
Target Compounds						
					Qvalue	
3) Chloromethane	2.383	50	847	Below Cal	#	42
5) Bromomethane	2.977	94	1438	0.319	ug/l #	72
6) Chloroethane	3.142	64	961	0.237	ug/l #	43
16) Acetone	4.453	43	858	0.555	ug/l #	40
25) 2-Butanone	7.506	43	1195	0.503	ug/l	97
31) Cyclohexane	8.235	56	9726	1.412	ug/l #	43
32) 1,1,1-Trichloroethane	8.177	97	2675	0.340	ug/l #	49
36) 1,1-Dichloropropene	8.235	75	36863	5.398	ug/l #	46
38) Carbon Tetrachloride	8.235	117	44978	6.238	ug/l #	16
39) Methylcyclohexane	9.359	83	6492	0.917	ug/l #	1
43) Isopropyl Acetate	8.771	43	7912	0.776	ug/l #	49
44) Trichloroethene	9.359	130	490850	91.170	ug/l	99
45) 1,2-Dichloropropane	9.353	63	1261	0.249	ug/l #	1
59) 2-Hexanone	11.206	43	928	0.248	ug/l #	29
60) Dibromochloromethane	11.106	129	1868	0.351	ug/l #	11
64) Tetrachloroethene	11.112	164	1823	0.401	ug/l	93
71) Bromoform	12.859	173	2823	0.814	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.941	83	130	Below Cal	#	26
76) 1,2,3-Trichloropropane	12.853	75	152087	30.369	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	152087	93.302	ug/l #	15

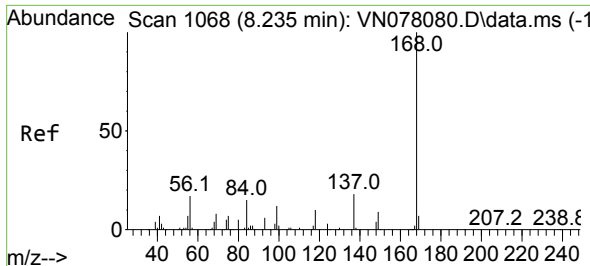
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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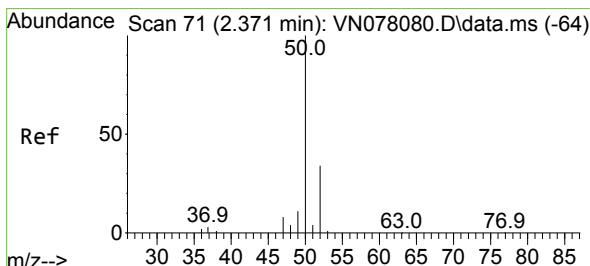
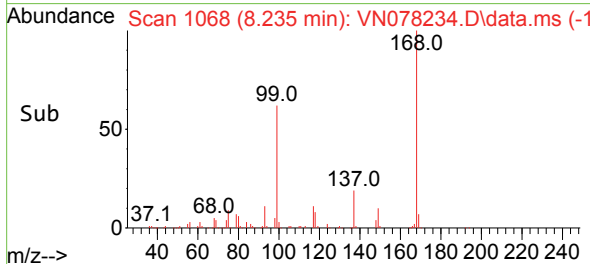
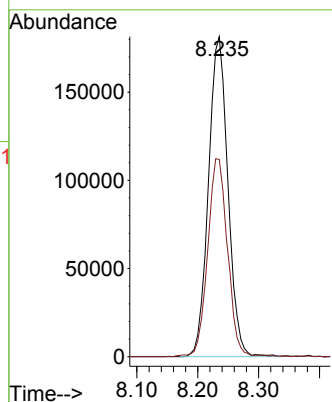
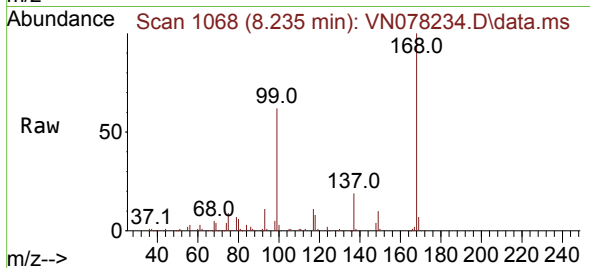




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN078234.D
Acq: 15 Jun 2023 17:33

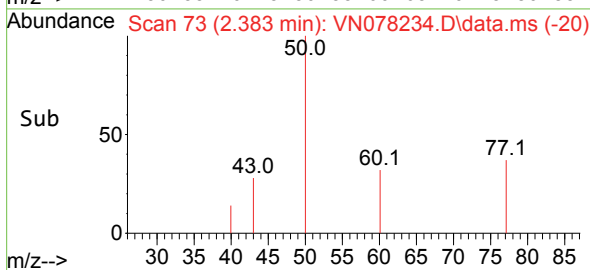
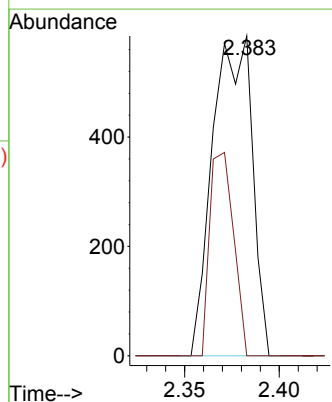
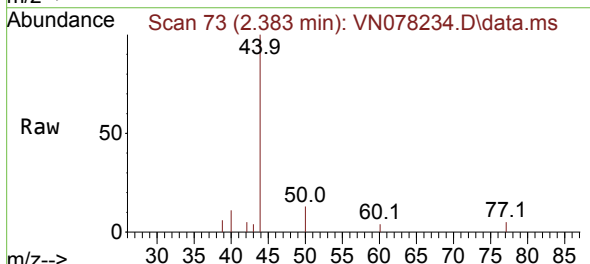
Instrument :
MSVOA_N
ClientSampleId :

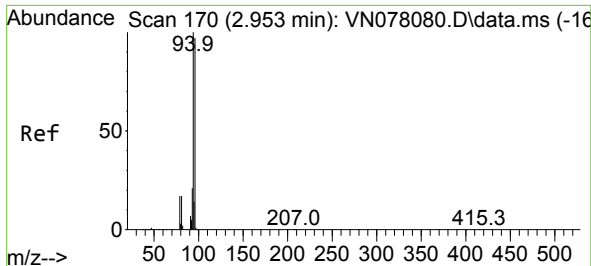
Tgt Ion:168 Resp: 402649
Ion Ratio Lower Upper
168 100
99 61.4 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.383 min Scan# 73
Delta R.T. 0.012 min
Lab File: VN078234.D
Acq: 15 Jun 2023 17:33

Tgt Ion: 50 Resp: 847
Ion Ratio Lower Upper
50 100
52 0.0 26.5 39.7#

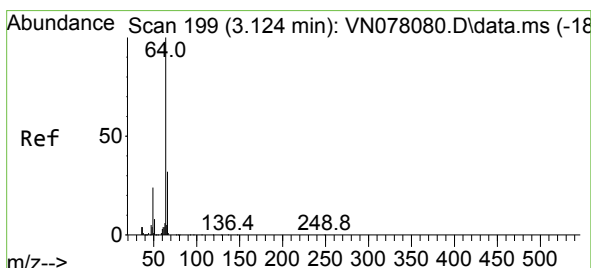
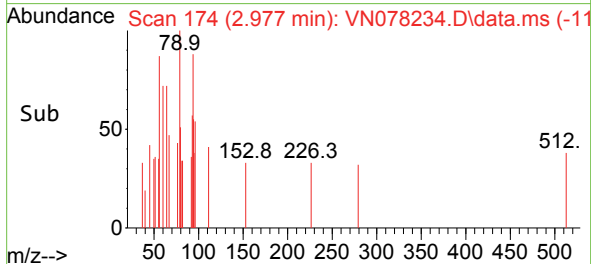
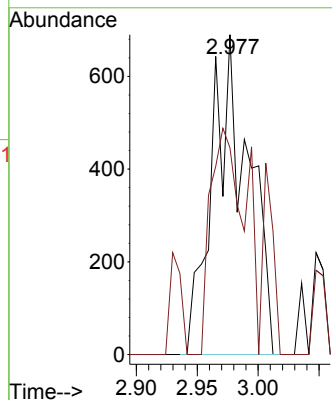
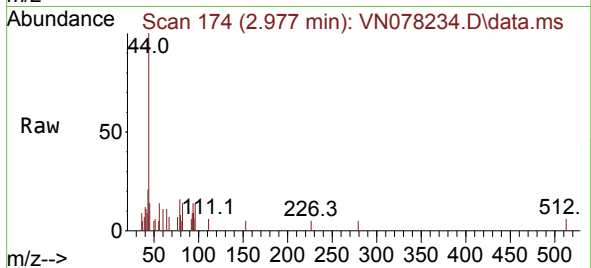




#5
Bromomethane
Concen: 0.319 ug/l
RT: 2.977 min Scan# 11
Delta R.T. 0.023 min
Lab File: VN078234.D
Acq: 15 Jun 2023 17:33

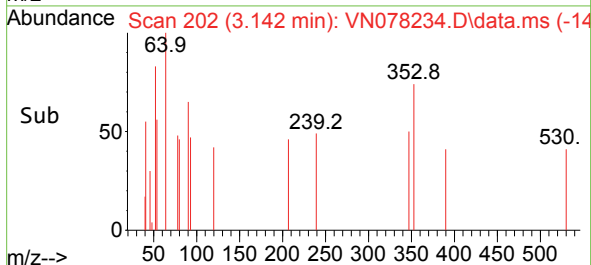
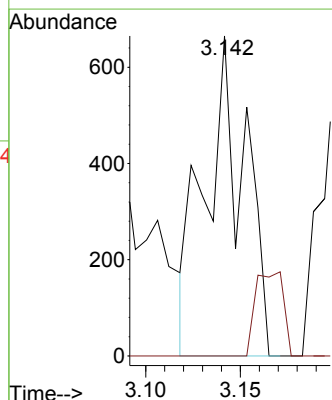
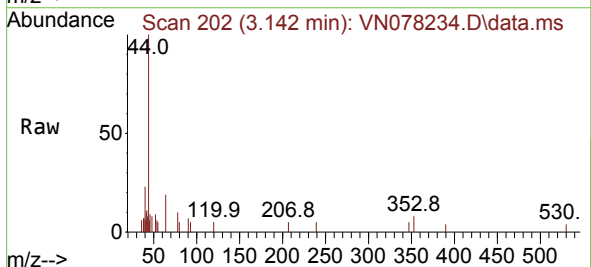
Instrument :
MSVOA_N
ClientSampleId :

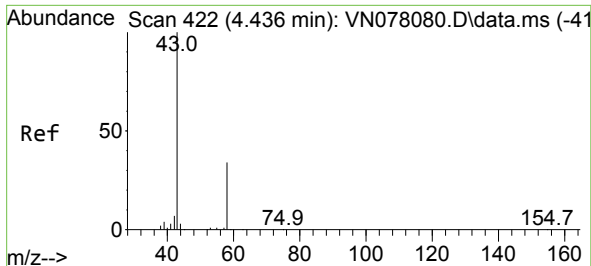
Tgt Ion: 94 Resp: 1438
Ion Ratio Lower Upper
94 100
96 64.6 73.1 109.7#



#6
Chloroethane
Concen: 0.237 ug/l
RT: 3.142 min Scan# 202
Delta R.T. 0.018 min
Lab File: VN078234.D
Acq: 15 Jun 2023 17:33

Tgt Ion: 64 Resp: 961
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#

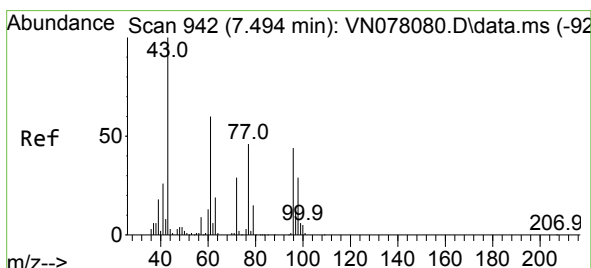
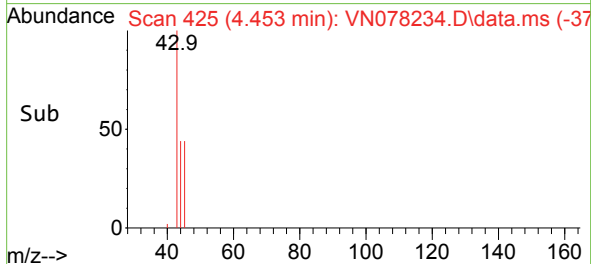
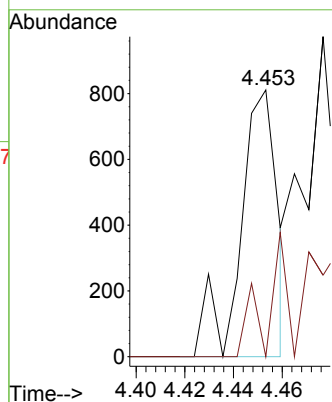
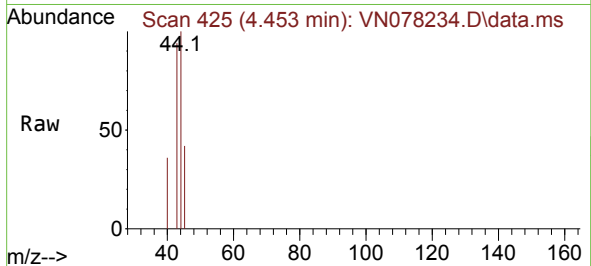




#16
Acetone
Concen: 0.555 ug/l
RT: 4.453 min Scan# 41
Delta R.T. 0.018 min
Lab File: VN078234.D
Acq: 15 Jun 2023 17:33

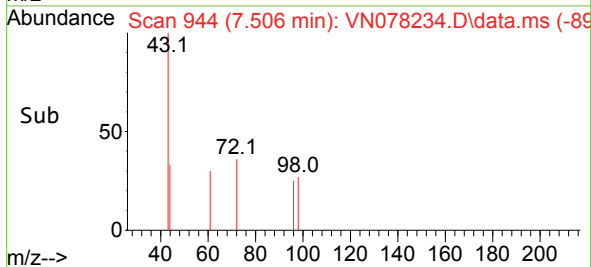
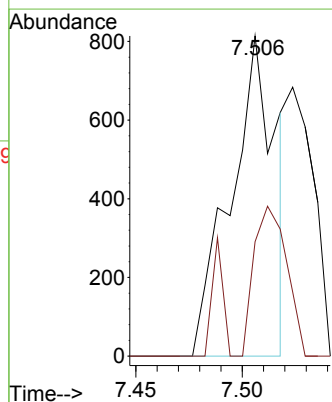
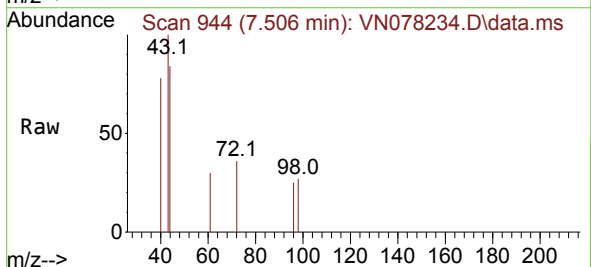
Instrument :
MSVOA_N
ClientSampleId :

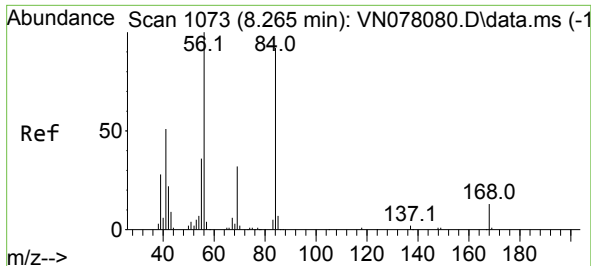
Tgt Ion: 43 Resp: 858
Ion Ratio Lower Upper
43 100
58 0.0 28.0 42.0#



#25
2-Butanone
Concen: 0.503 ug/l
RT: 7.506 min Scan# 944
Delta R.T. 0.012 min
Lab File: VN078234.D
Acq: 15 Jun 2023 17:33

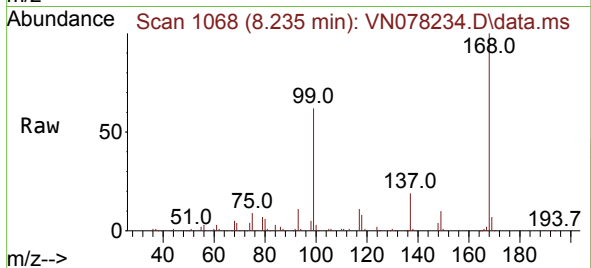
Tgt Ion: 43 Resp: 1195
Ion Ratio Lower Upper
43 100
72 35.7 30.2 45.2



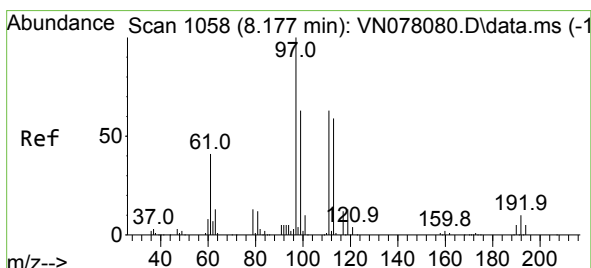
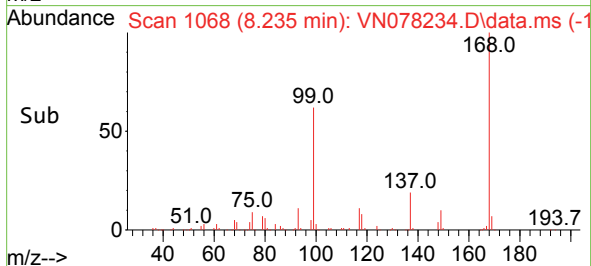
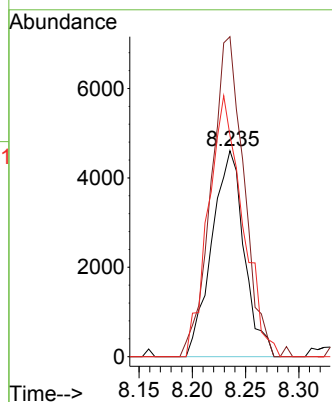


#31
Cyclohexane
Concen: 1.412 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.029 min
Lab File: VN078234.D
Acq: 15 Jun 2023 17:33

Instrument :
MSVOA_N
ClientSampleId :

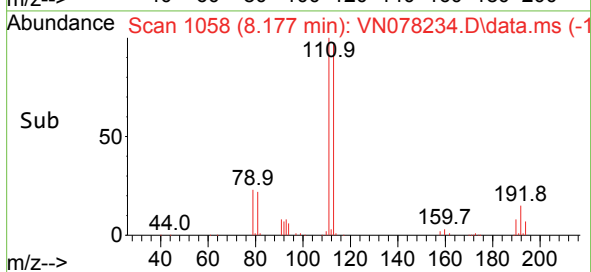
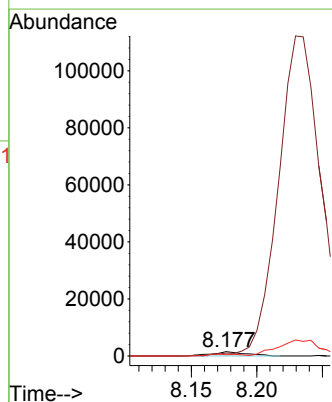
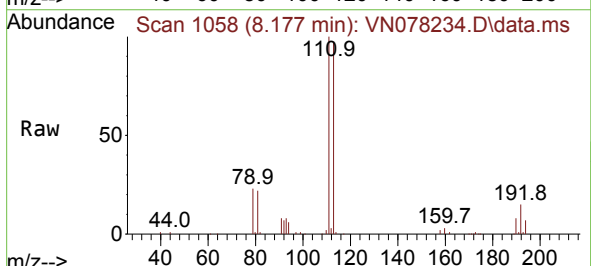


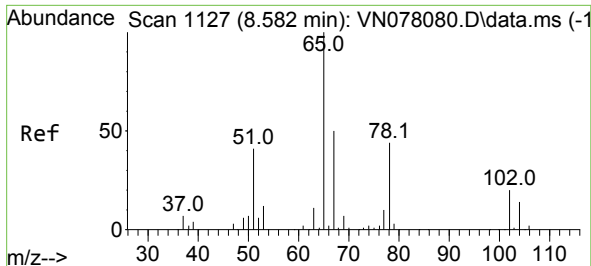
Tgt Ion: 56 Resp: 9726
Ion Ratio Lower Upper
56 100
69 155.4 26.8 40.2#
84 107.4 81.8 122.6



#32
1,1,1-Trichloroethane
Concen: 0.340 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. -0.000 min
Lab File: VN078234.D
Acq: 15 Jun 2023 17:33

Tgt Ion: 97 Resp: 2675
Ion Ratio Lower Upper
97 100
99 0.0 50.3 75.5#
61 38.1 34.7 52.1





#33

1,2-Dichloroethane-d4

Concen: 55.769 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VN078234.D

Acq: 15 Jun 2023 17:33

Instrument :

MSVOA_N

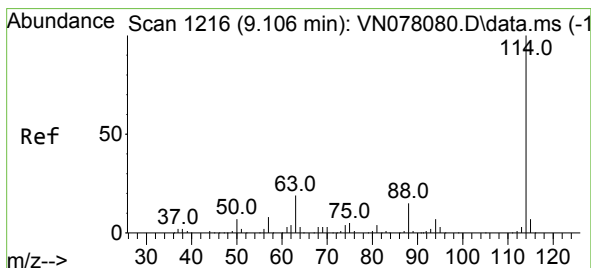
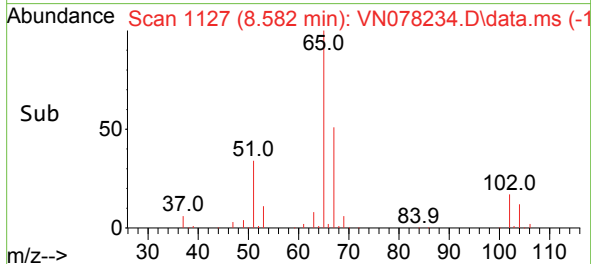
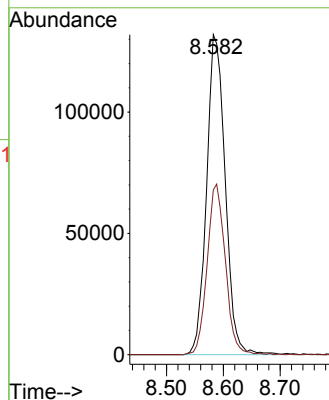
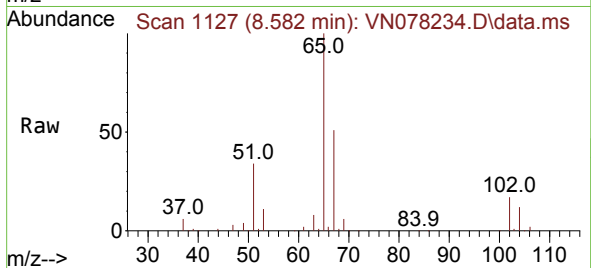
ClientSampleId :

Tgt Ion: 65 Resp: 299397

Ion Ratio Lower Upper

65 100

67 52.2 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.112 min Scan# 1217

Delta R.T. 0.006 min

Lab File: VN078234.D

Acq: 15 Jun 2023 17:33

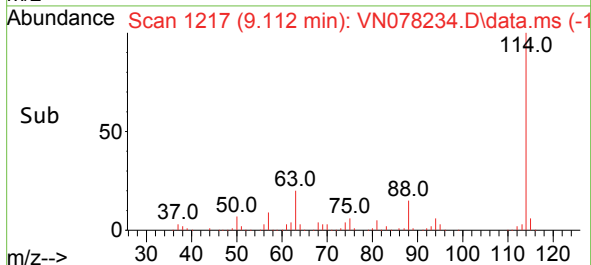
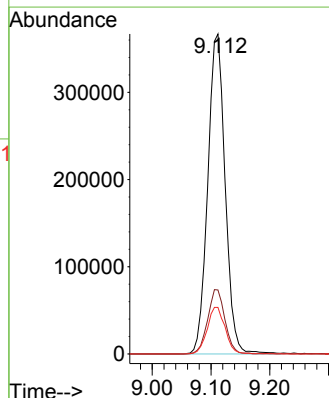
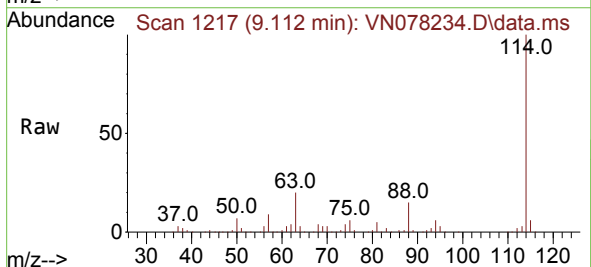
Tgt Ion: 114 Resp: 752944

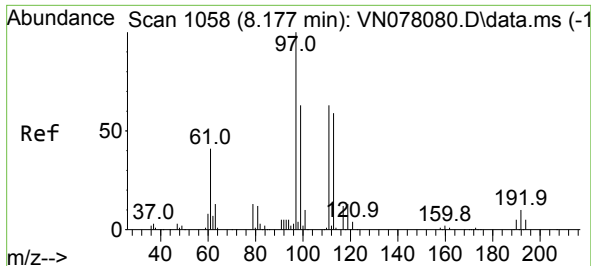
Ion Ratio Lower Upper

114 100

63 20.0 0.0 36.4

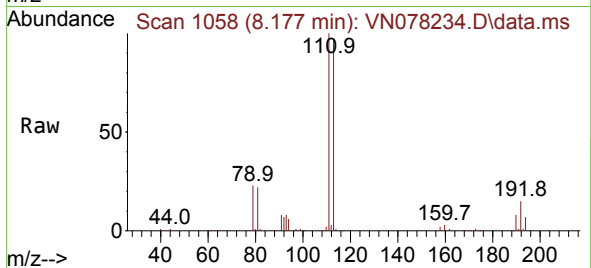
88 14.6 0.0 30.6



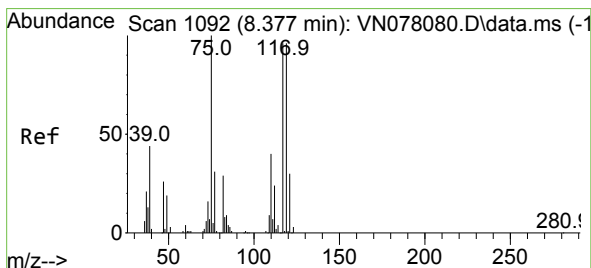
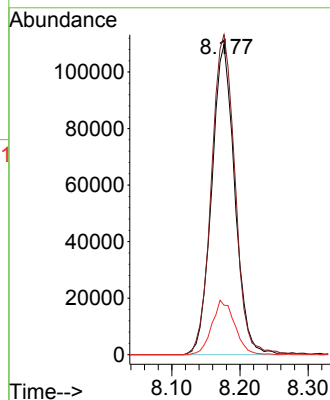
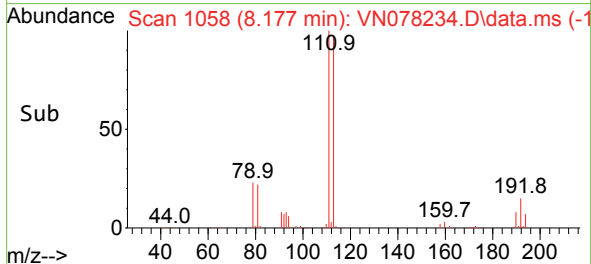


#35
Dibromofluoromethane
Concen: 54.228 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. -0.000 min
Lab File: VN078234.D
Acq: 15 Jun 2023 17:33

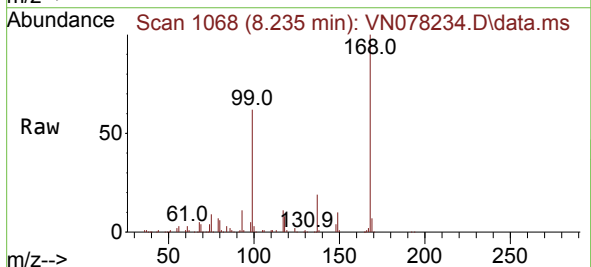
Instrument :
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ClientSampleId :



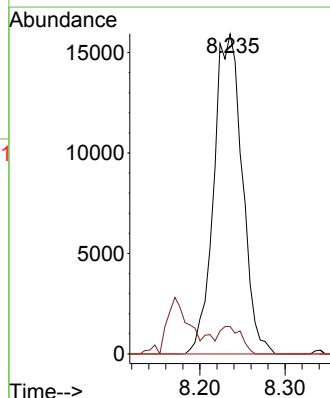
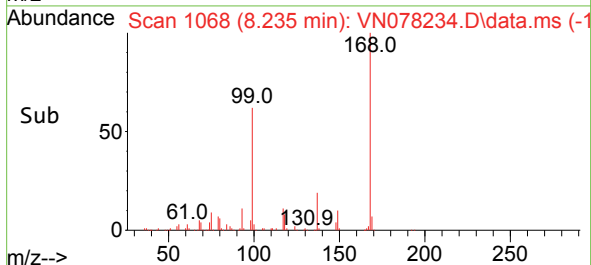
Tgt Ion:113 Resp: 258166
Ion Ratio Lower Upper
113 100
111 105.6 82.6 123.8
192 17.4 12.7 19.1

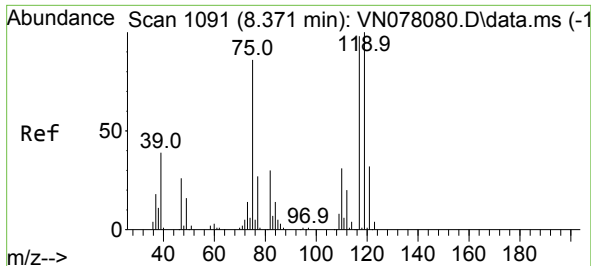


#36
1,1-Dichloropropene
Concen: 5.398 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.141 min
Lab File: VN078234.D
Acq: 15 Jun 2023 17:33



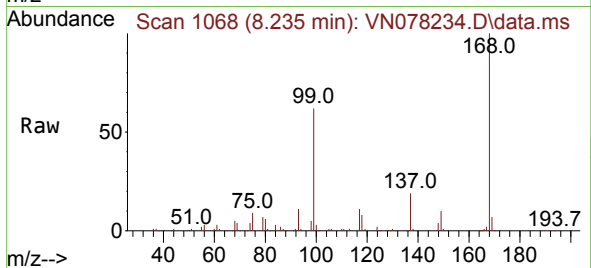
Tgt Ion: 75 Resp: 36863
Ion Ratio Lower Upper
75 100
110 6.5 19.1 57.3#
77 0.0 25.0 37.4#



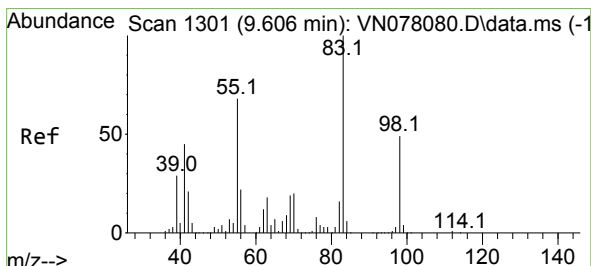
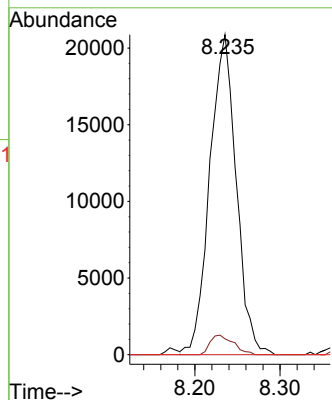
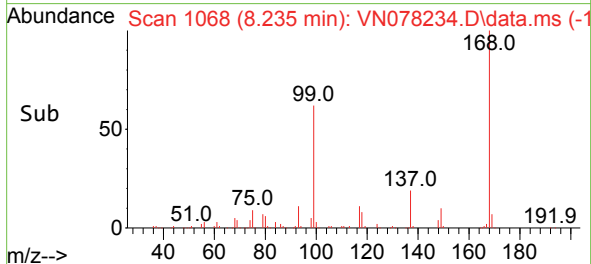


#38
Carbon Tetrachloride
Concen: 6.238 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.135 min
Lab File: VN078234.D
Acq: 15 Jun 2023 17:33

Instrument :
MSVOA_N
ClientSampleId :

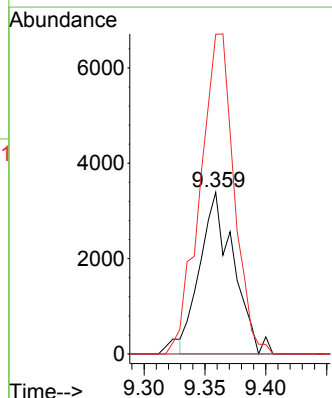
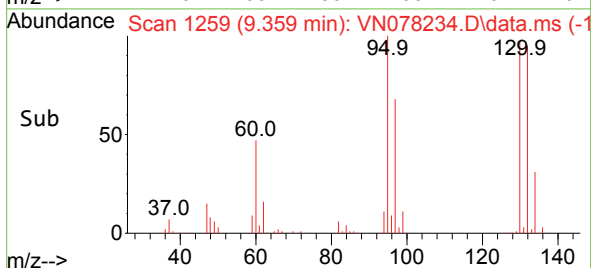
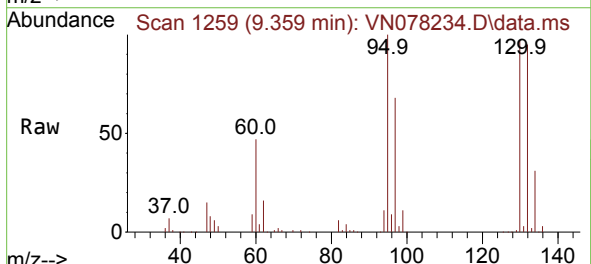


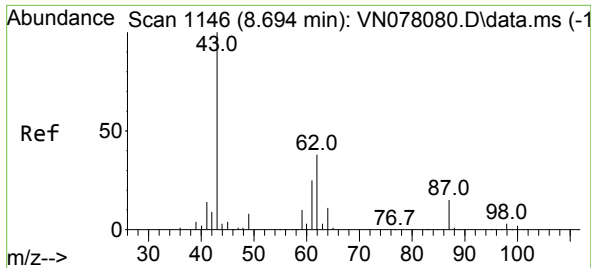
Tgt Ion:117 Resp: 44978
Ion Ratio Lower Upper
117 100
119 5.0 77.3 115.9#
121 0.0 23.3 34.9#



#39
Methylcyclohexane
Concen: 0.917 ug/l
RT: 9.359 min Scan# 1259
Delta R.T. -0.247 min
Lab File: VN078234.D
Acq: 15 Jun 2023 17:33

Tgt Ion: 83 Resp: 6492
Ion Ratio Lower Upper
83 100
55 0.0 49.1 73.7#
98 197.8 40.6 61.0#

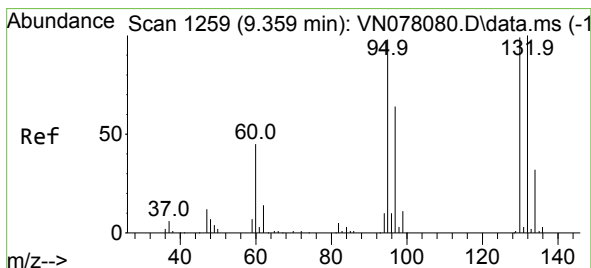
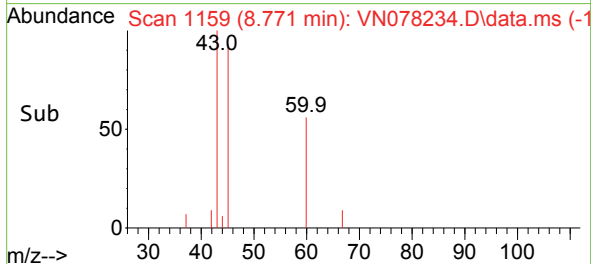
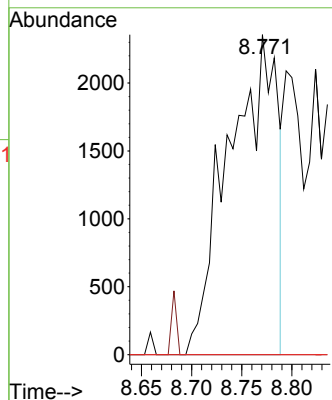
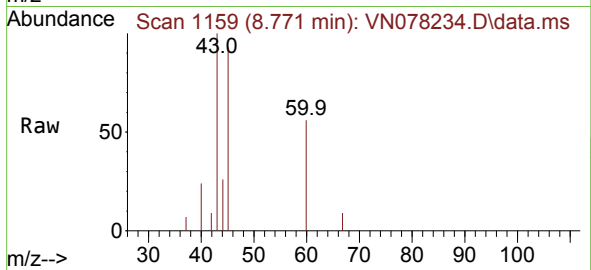




#43
Isopropyl Acetate
Concen: 0.776 ug/l
RT: 8.771 min Scan# 1159
Delta R.T. 0.076 min
Lab File: VN078234.D
Acq: 15 Jun 2023 17:33

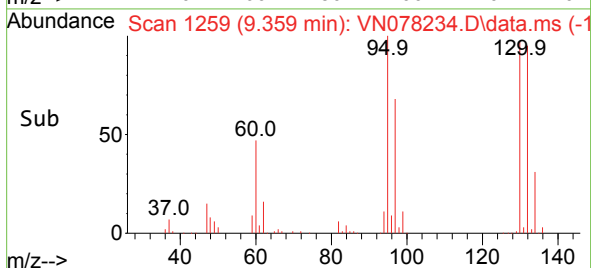
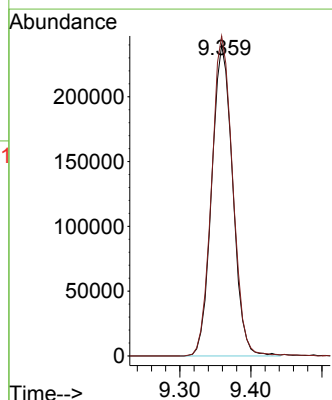
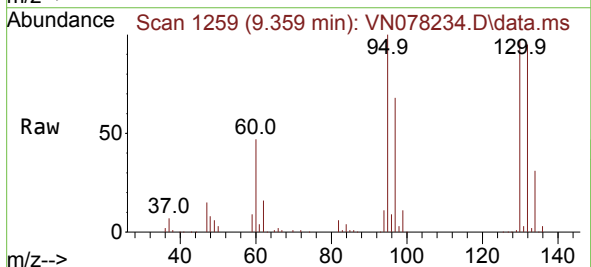
Instrument :
MSVOA_N
ClientSampleId :

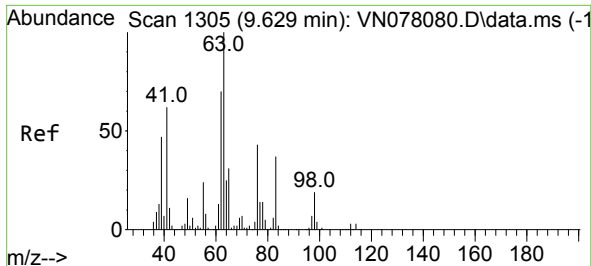
Tgt Ion: 43 Resp: 7912
Ion Ratio Lower Upper
43 100
61 0.0 24.7 37.1#
87 0.0 14.6 21.8#



#44
Trichloroethene
Concen: 91.170 ug/l
RT: 9.359 min Scan# 1259
Delta R.T. -0.000 min
Lab File: VN078234.D
Acq: 15 Jun 2023 17:33

Tgt Ion:130 Resp: 490850
Ion Ratio Lower Upper
130 100
95 102.9 0.0 204.6





#45

1,2-Dichloropropane

Concen: 0.249 ug/l

RT: 9.353 min Scan# 11

Delta R.T. -0.277 min

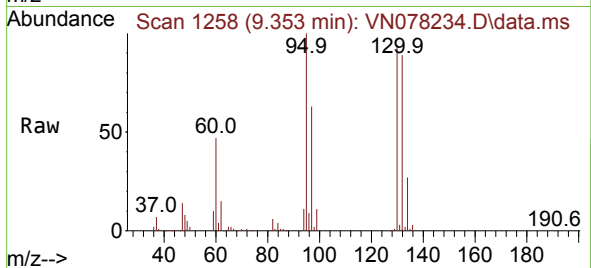
Lab File: VN078234.D

Acq: 15 Jun 2023 17:33

Instrument :

MSVOA_N

ClientSampleId :

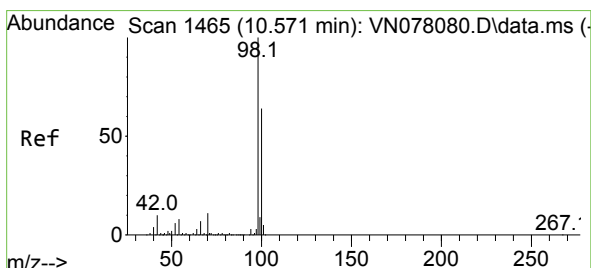
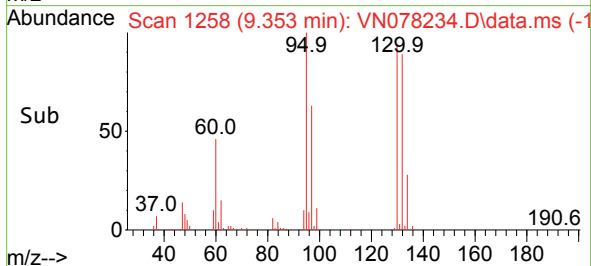
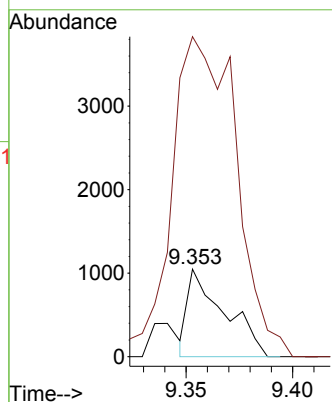


Tgt Ion: 63 Resp: 1261

Ion Ratio Lower Upper

63 100

65 343.2 23.9 35.9#



#50

Toluene-d8

Concen: 49.431 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. -0.000 min

Lab File: VN078234.D

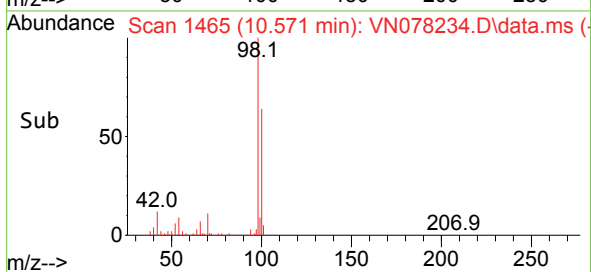
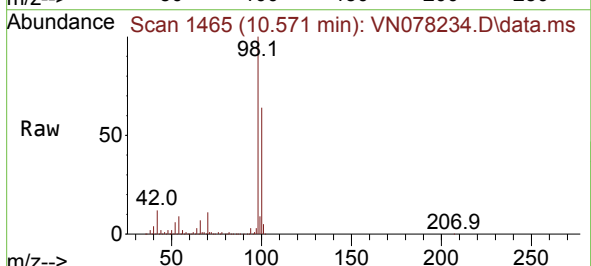
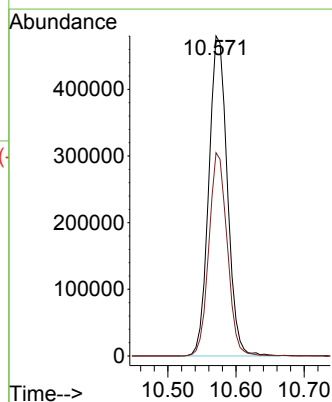
Acq: 15 Jun 2023 17:33

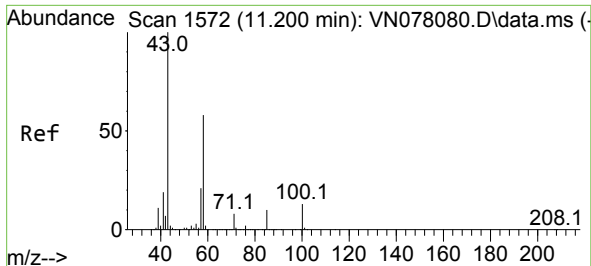
Tgt Ion: 98 Resp: 907214

Ion Ratio Lower Upper

98 100

100 62.9 52.0 78.0

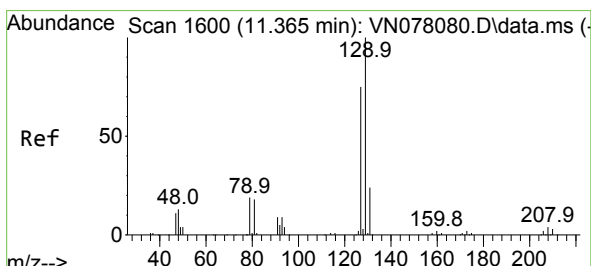
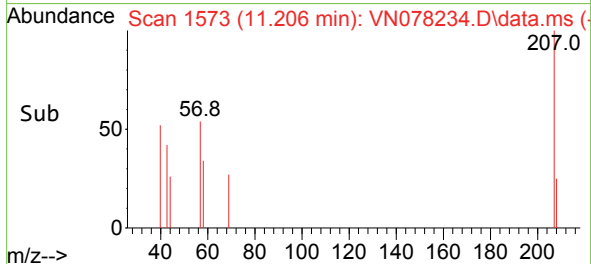
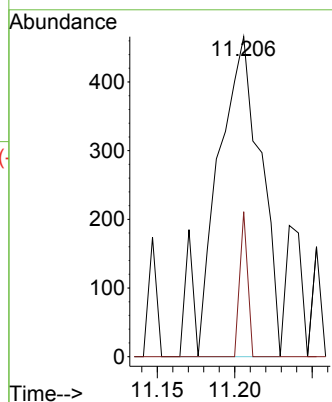
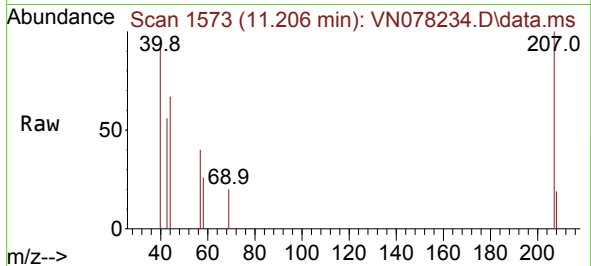




#59
2-Hexanone
Concen: 0.248 ug/l
RT: 11.206 min Scan# 11556
Delta R.T. 0.006 min
Lab File: VN078234.D
Acq: 15 Jun 2023 17:33

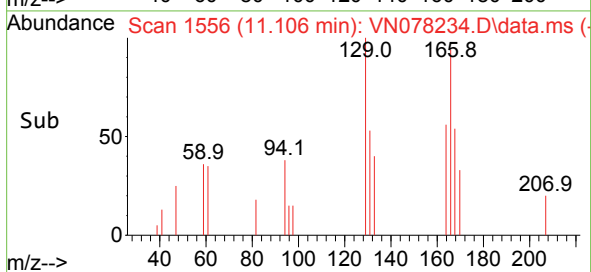
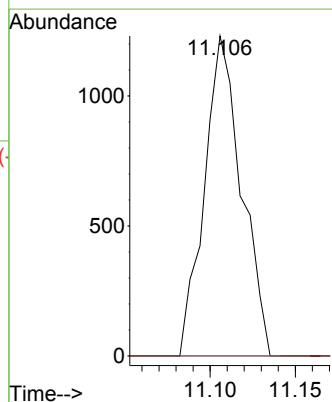
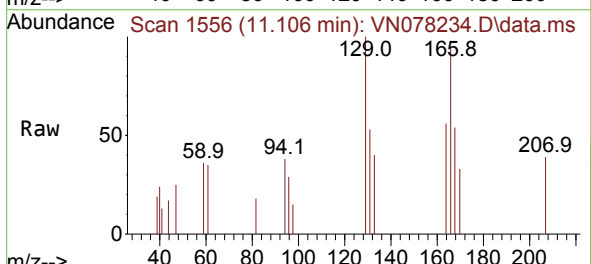
Instrument :
MSVOA_N
ClientSampleId :

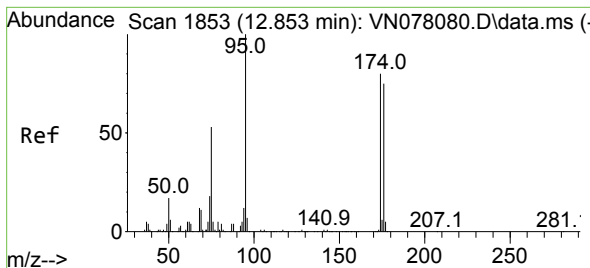
Tgt Ion: 43 Resp: 928
Ion Ratio Lower Upper
43 100
58 8.0 31.7 95.1#



#60
Dibromochloromethane
Concen: 0.351 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. -0.259 min
Lab File: VN078234.D
Acq: 15 Jun 2023 17:33

Tgt Ion: 129 Resp: 1868
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#

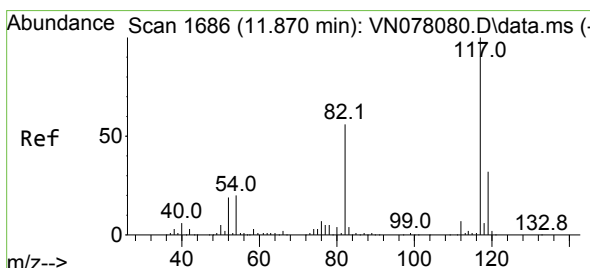
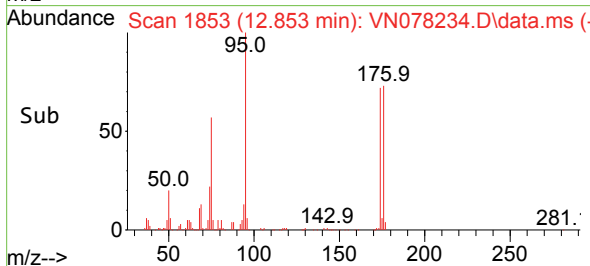
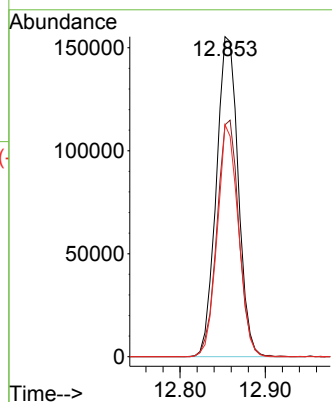
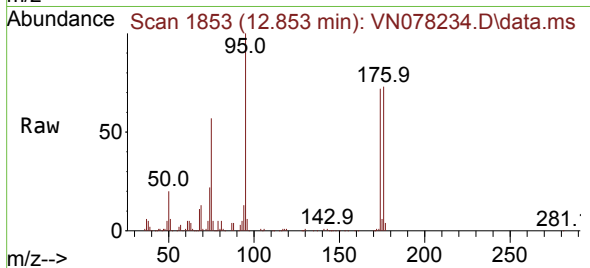




#62
4-Bromofluorobenzene
Concen: 48.545 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN078234.D
Acq: 15 Jun 2023 17:33

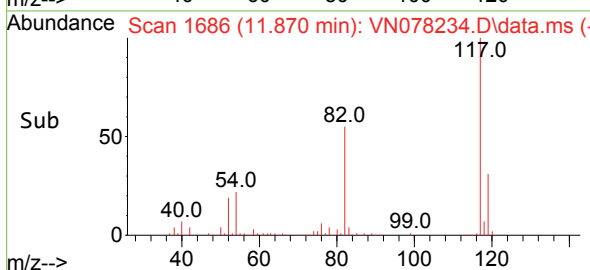
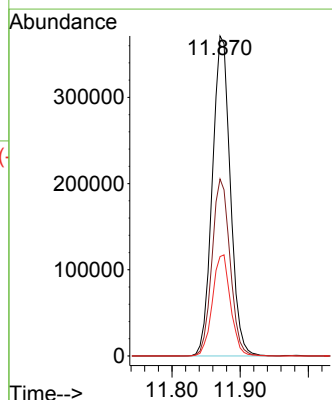
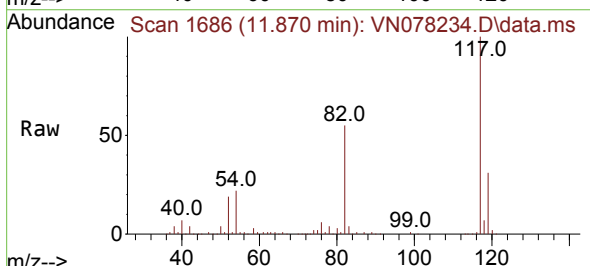
Instrument :
MSVOA_N
ClientSampleId :

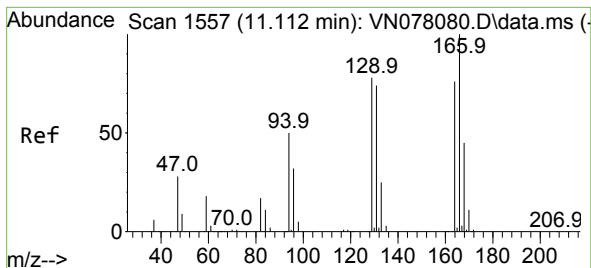
Tgt Ion: 95 Resp: 276977
Ion Ratio Lower Upper
95 100
174 74.1 0.0 143.8
176 70.0 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VN078234.D
Acq: 15 Jun 2023 17:33

Tgt Ion: 117 Resp: 682010
Ion Ratio Lower Upper
117 100
82 55.3 44.0 66.0
119 31.1 25.6 38.4





#64

Tetrachloroethene

Concen: 0.401 ug/l

RT: 11.112 min Scan# 11

Delta R.T. -0.000 min

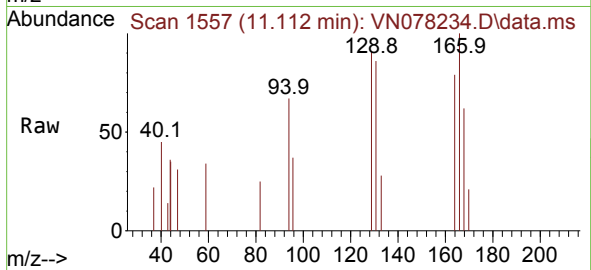
Lab File: VN078234.D

Acq: 15 Jun 2023 17:33

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:164 Resp: 1823

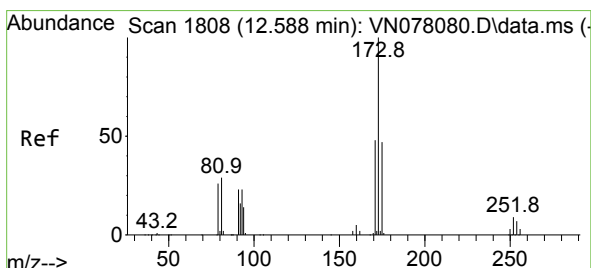
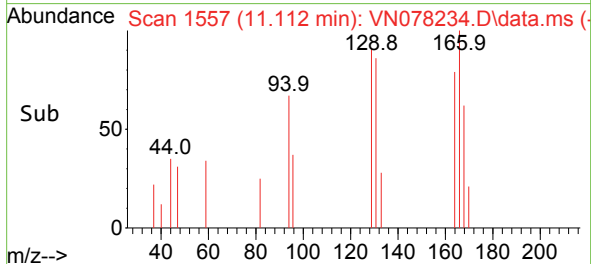
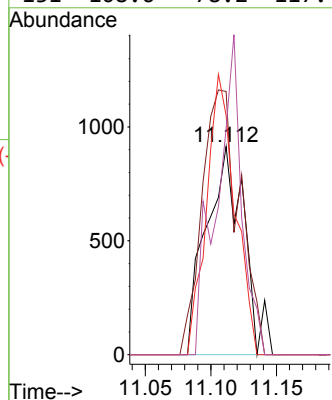
Ion Ratio Lower Upper

164 100

166 126.5 101.4 152.0

129 114.9 82.4 123.6

131 108.6 78.2 117.4



#71

Bromoform

Concen: 0.814 ug/l

RT: 12.859 min Scan# 1854

Delta R.T. 0.271 min

Lab File: VN078234.D

Acq: 15 Jun 2023 17:33

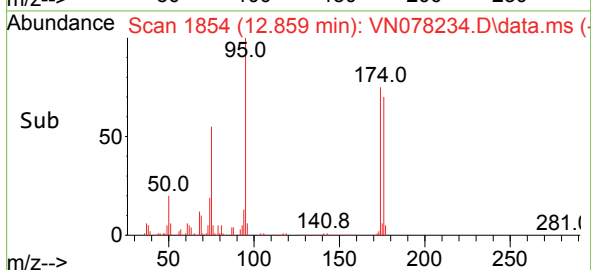
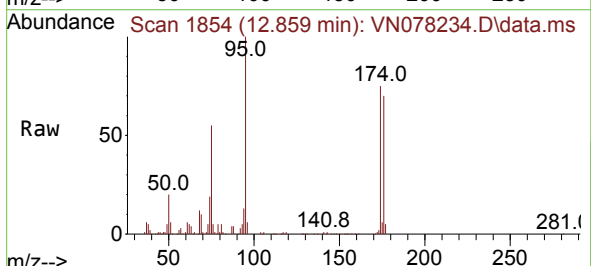
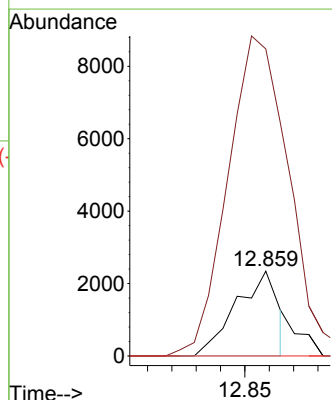
Tgt Ion:173 Resp: 2823

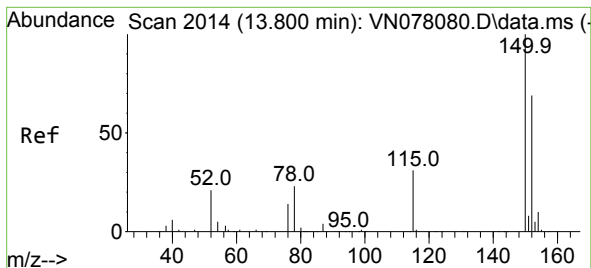
Ion Ratio Lower Upper

173 100

175 458.8 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. -0.000 min

Lab File: VN078234.D

Acq: 15 Jun 2023 17:33

Instrument :

MSVOA_N

ClientSampleId :

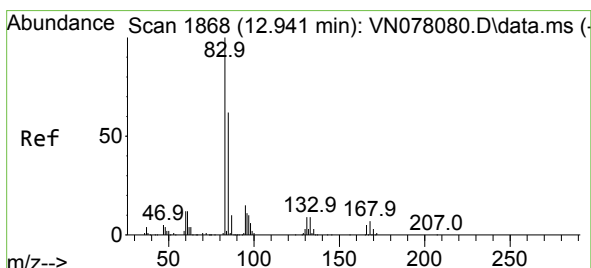
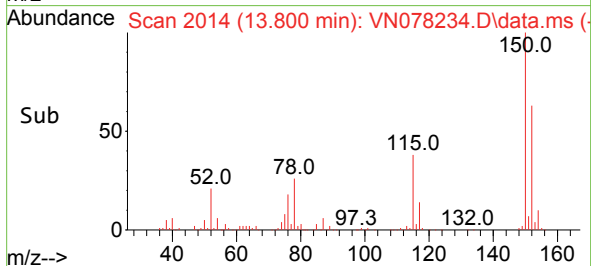
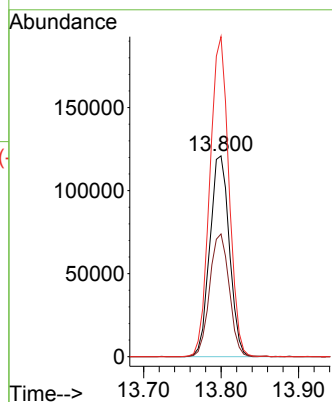
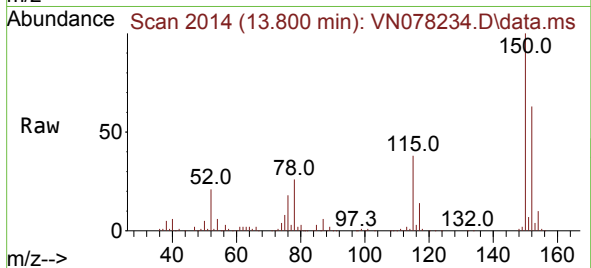
Tgt Ion:152 Resp: 211843

Ion Ratio Lower Upper

152 100

115 60.9 32.3 96.8

150 155.0 0.0 355.8



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.941 min Scan# 1868

Delta R.T. -0.000 min

Lab File: VN078234.D

Acq: 15 Jun 2023 17:33

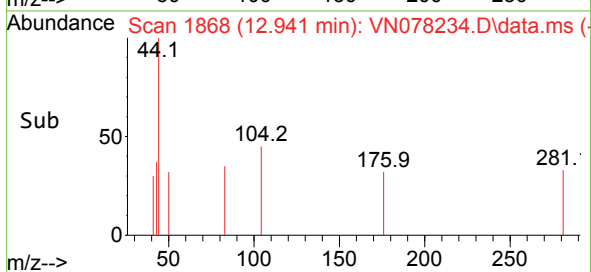
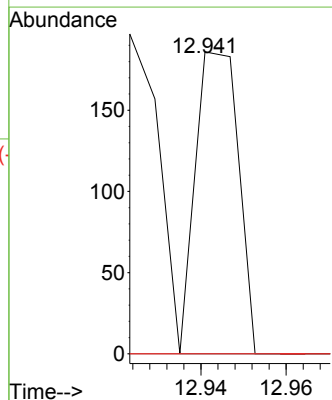
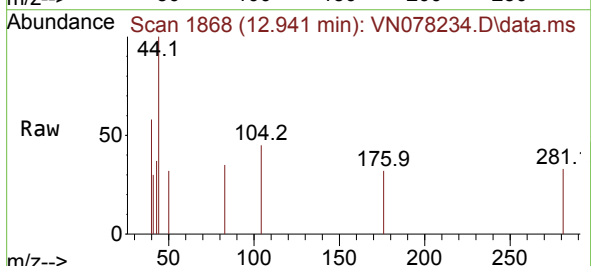
Tgt Ion: 83 Resp: 130

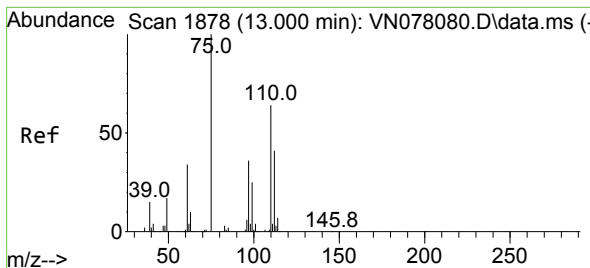
Ion Ratio Lower Upper

83 100

131 0.0 5.0 15.0#

85 0.0 31.9 95.7#





#76

1,2,3-Trichloropropane

Concen: 30.369 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.147 min

Lab File: VN078234.D

Acq: 15 Jun 2023 17:33

Instrument :

MSVOA_N

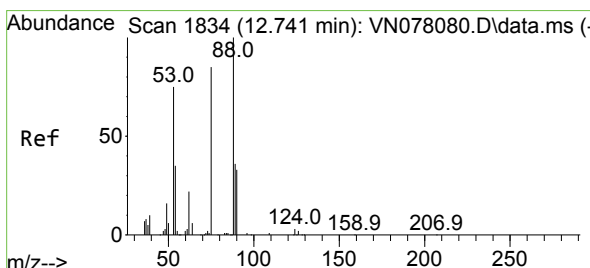
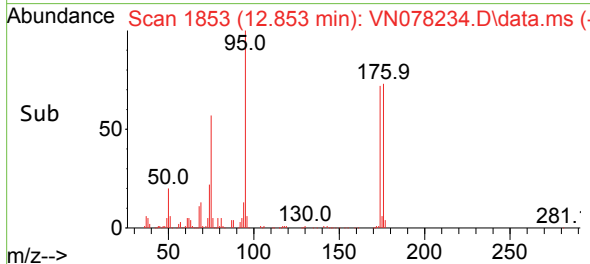
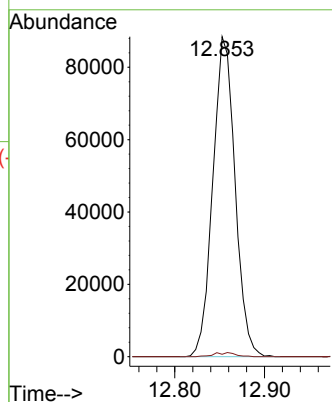
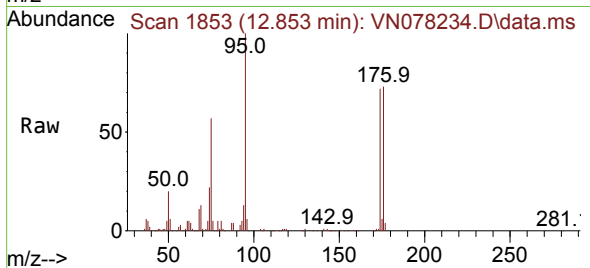
ClientSampleId :

Tgt Ion: 75 Resp: 152087

Ion Ratio Lower Upper

75 100

77 1.2 84.5 253.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 93.302 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.112 min

Lab File: VN078234.D

Acq: 15 Jun 2023 17:33

Tgt Ion: 75 Resp: 152087

Ion Ratio Lower Upper

75 100

53 0.0 67.4 101.2#

89 0.0 38.8 58.2#

