

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN010323\
 Data File : VN076064.D
 Acq On : 03 Jan 2023 15:26
 Operator : JC\MD
 Sample : N6232-09
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TB-1

Quant Time: Jan 04 04:18:44 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121422W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 14 13:03:41 2022
 Response via : Initial Calibration

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

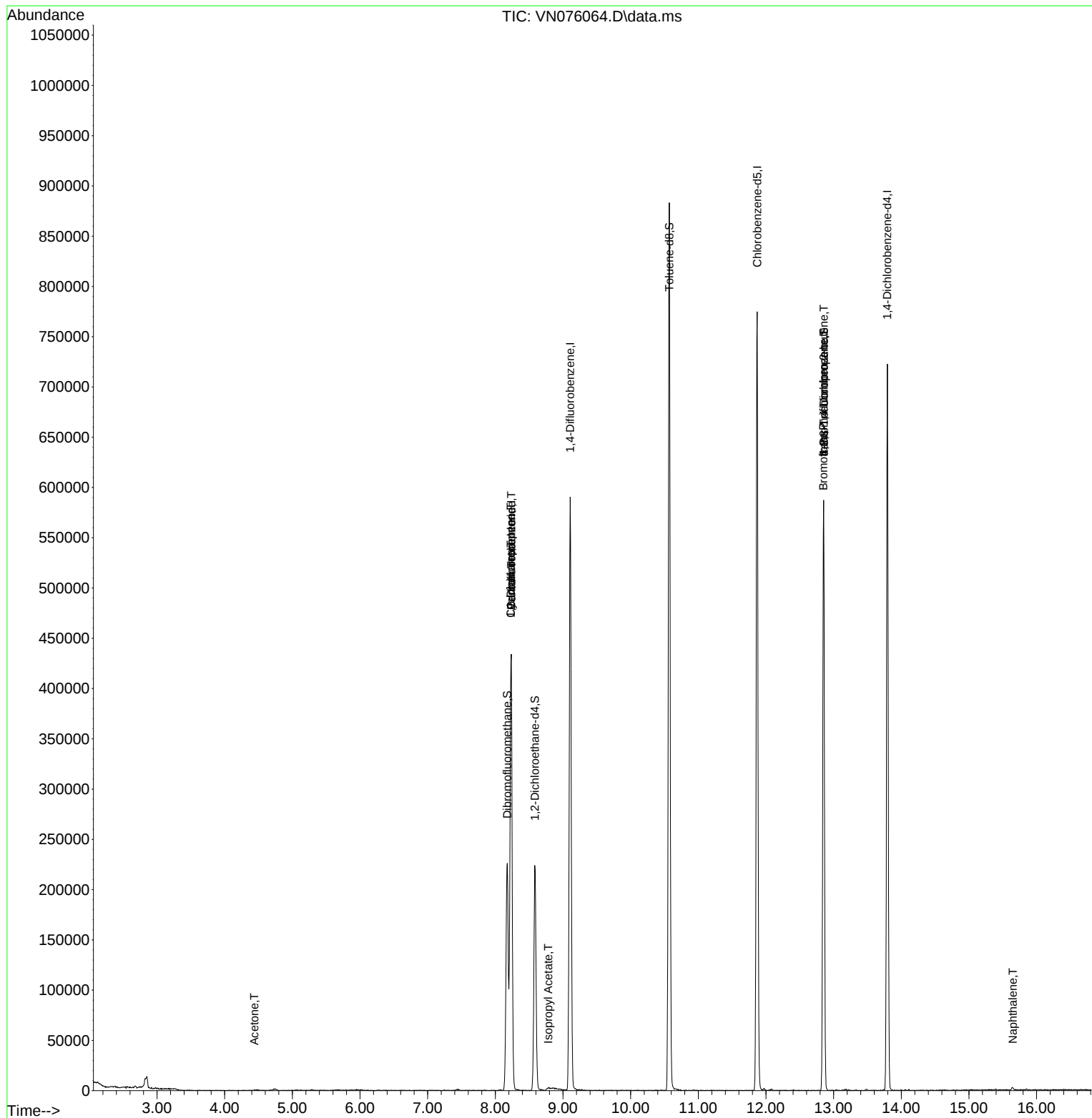
Internal Standards						
1) Pentafluorobenzene	8.236	168	346305	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	539533	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	473525	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	203504	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	179213	47.568	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	95.140%
35) Dibromofluoromethane	8.177	113	163804	49.025	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.040%
50) Toluene-d8	10.571	98	622697	49.845	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	99.700%
62) 4-Bromofluorobenzene	12.853	95	198169	47.894	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	95.780%
Target Compounds						
					Qvalue	
16) Acetone	4.436	43	588	0.453	ug/l #	39
20) Methylene Chloride	5.289	84	508	Below Cal	#	51
31) Cyclohexane	8.230	56	6230	1.155	ug/l #	23
36) 1,1-Dichloropropene	8.230	75	24099	5.430	ug/l #	50
38) Carbon Tetrachloride	8.236	117	35203	7.086	ug/l #	15
43) Isopropyl Acetate	8.783	43	2782	0.473	ug/l #	50
71) Bromoform	12.847	173	1610	0.615	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	101427	24.725	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	101427	88.999	ug/l #	12
95) Naphthalene	15.647	128	3430	2.474	ug/l #	73

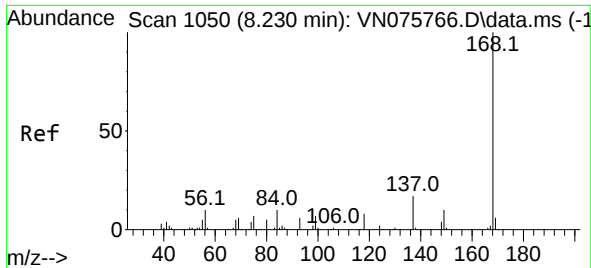
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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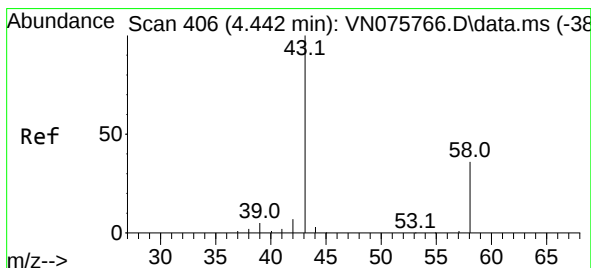
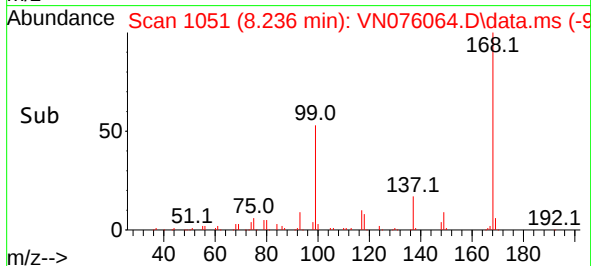
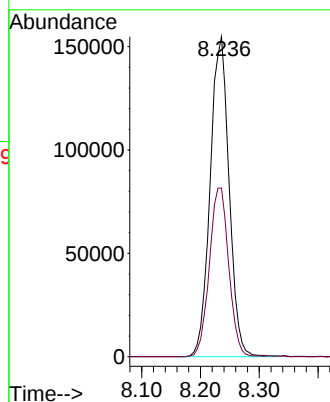
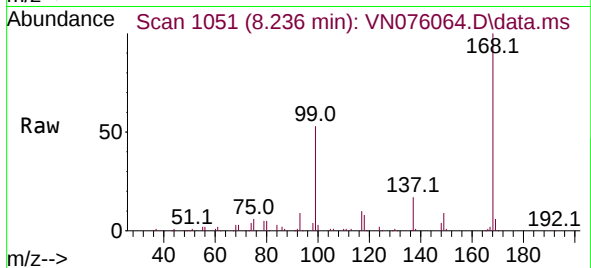




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.236 min Scan# 1051
Delta R.T. 0.006 min
Lab File: VN076064.D
Acq: 03 Jan 2023 15:26

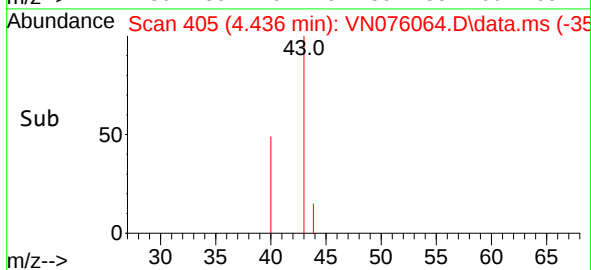
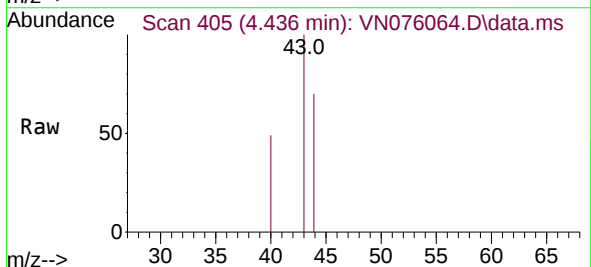
Instrument :
MSVOA_N
ClientSampleId :
TB-1

Tgt Ion:168 Resp: 346305
Ion Ratio Lower Upper
168 100
99 52.7 44.2 66.4



#16
Acetone
Concen: 0.453 ug/l
RT: 4.436 min Scan# 405
Delta R.T. -0.006 min
Lab File: VN076064.D
Acq: 03 Jan 2023 15:26

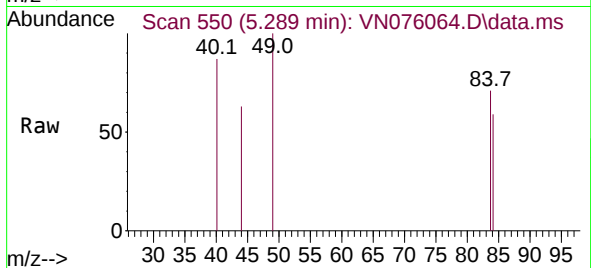
Tgt Ion: 43 Resp: 588
Ion Ratio Lower Upper
43 100
58 0.0 28.6 43.0#



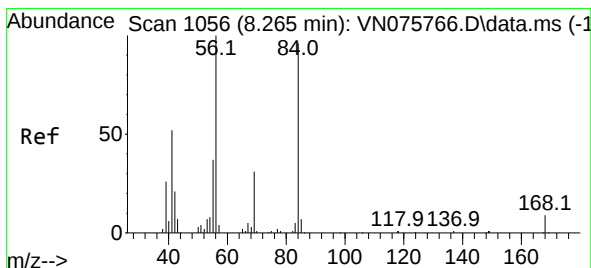
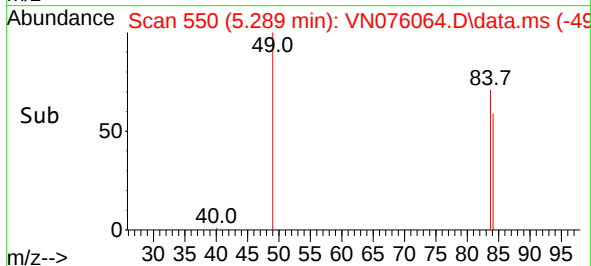
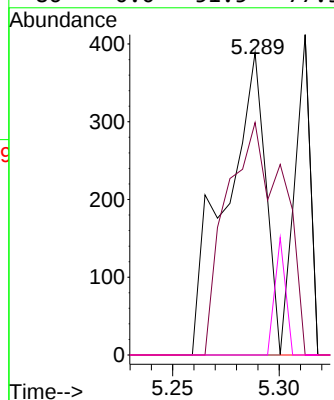


#20
Methylene Chloride
Concen: Below Cal
RT: 5.289 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN076064.D
Acq: 03 Jan 2023 15:26

Instrument :
MSVOA_N
ClientSampleId :
TB-1

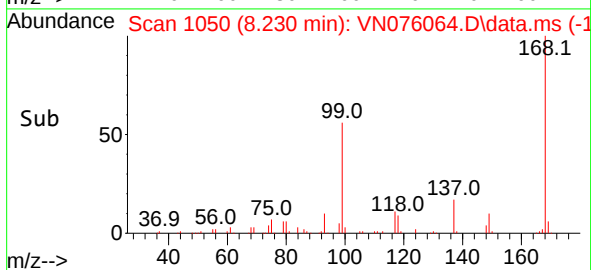
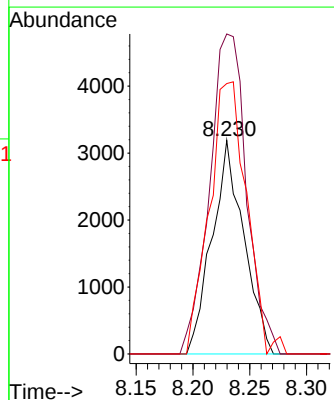
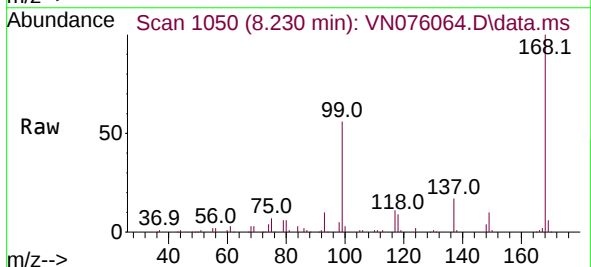


Tgt Ion: 84	Resp: 508
Ion Ratio	Lower Upper
84 100	
49 76.9	81.8 122.6#
51 0.0	26.7 40.1#
86 0.0	51.5 77.3#



#31
Cyclohexane
Concen: 1.155 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.035 min
Lab File: VN076064.D
Acq: 03 Jan 2023 15:26

Tgt Ion: 56	Resp: 6230		
Ion Ratio	Lower	Upper	
56	100		
69	149.8	24.7	37.1#
84	126.6	76.5	114.7#





#33

1,2-Dichloroethane-d4

Concen: 47.568 ug/l

RT: 8.583 min Scan# 1110

Delta R.T. 0.000 min

Lab File: VN076064.D

Acq: 03 Jan 2023 15:26

Instrument :

MSVOA_N

ClientSampleId :

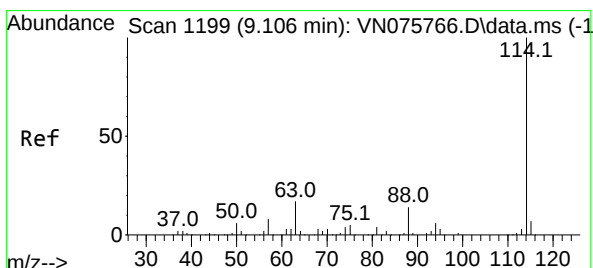
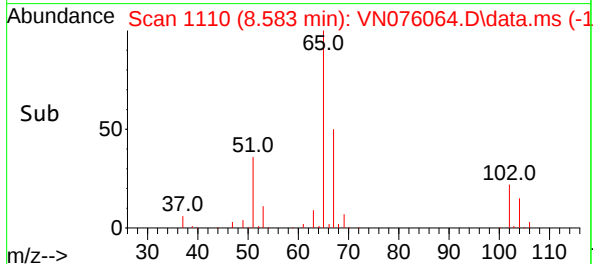
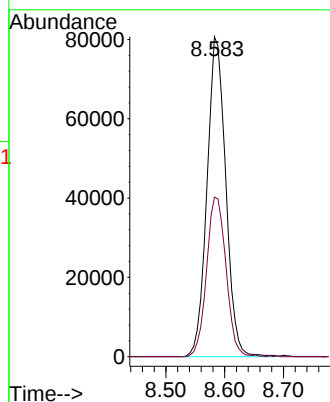
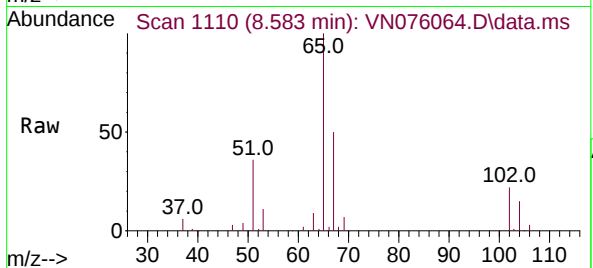
TB-1

Tgt Ion: 65 Resp: 179213

Ion Ratio Lower Upper

65 100

67 51.7 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. 0.000 min

Lab File: VN076064.D

Acq: 03 Jan 2023 15:26

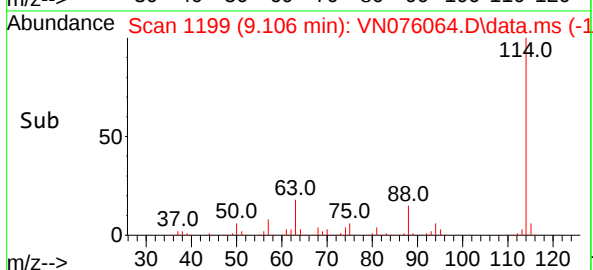
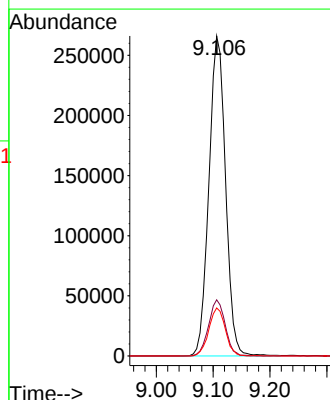
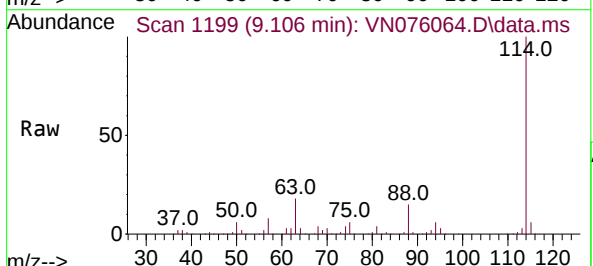
Tgt Ion: 114 Resp: 539533

Ion Ratio Lower Upper

114 100

63 17.6 0.0 34.4

88 15.0 0.0 28.8





#35

Dibromofluoromethane

Concen: 49.025 ug/l

RT: 8.177 min Scan# 1040

Delta R.T. 0.006 min

Lab File: VN076064.D

Acq: 03 Jan 2023 15:26

Instrument :

MSVOA_N

ClientSampleId :

TB-1

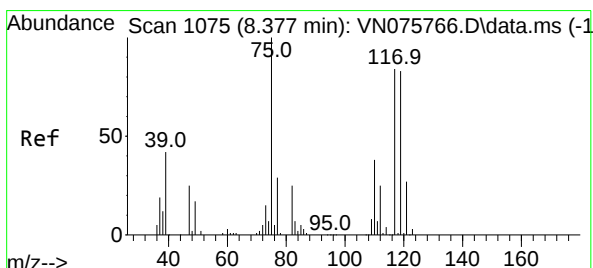
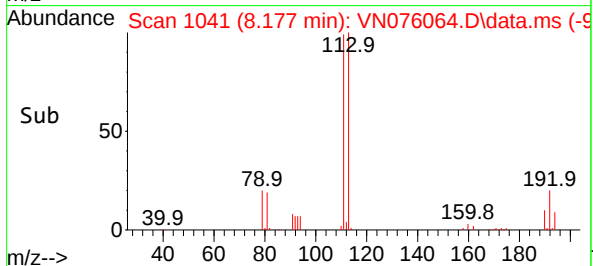
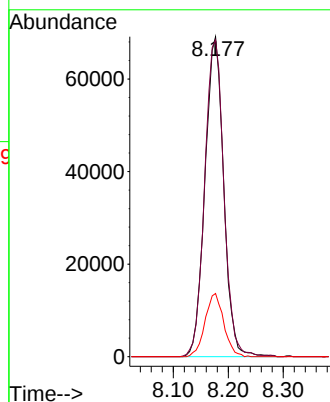
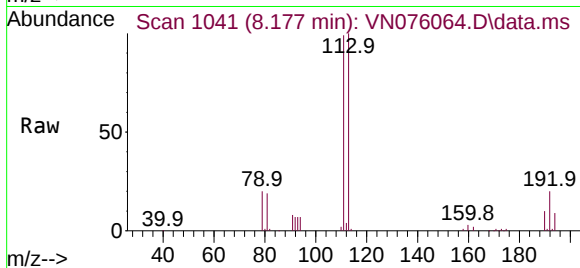
Tgt Ion:113 Resp: 163804

Ion Ratio Lower Upper

113 100

111 101.4 83.4 125.2

192 19.7 16.1 24.1



#36

1,1-Dichloropropene

Concen: 5.430 ug/l

RT: 8.230 min Scan# 1050

Delta R.T. -0.147 min

Lab File: VN076064.D

Acq: 03 Jan 2023 15:26

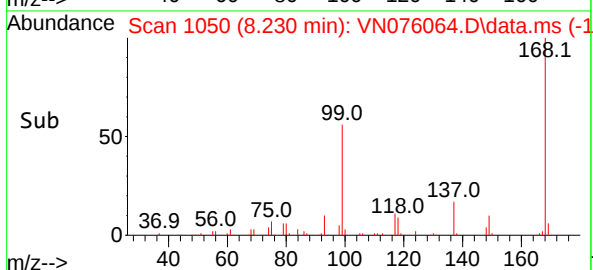
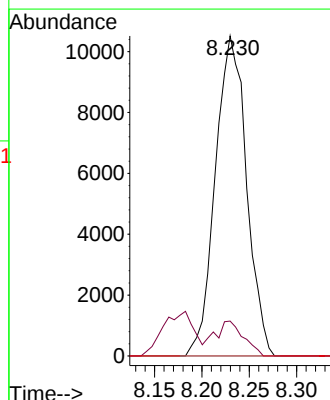
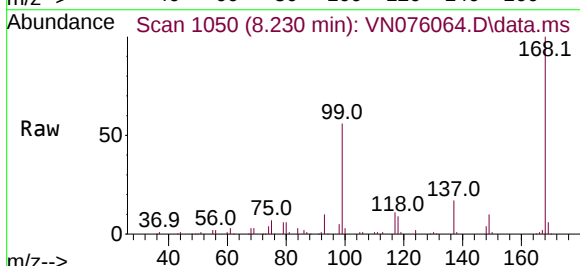
Tgt Ion: 75 Resp: 24099

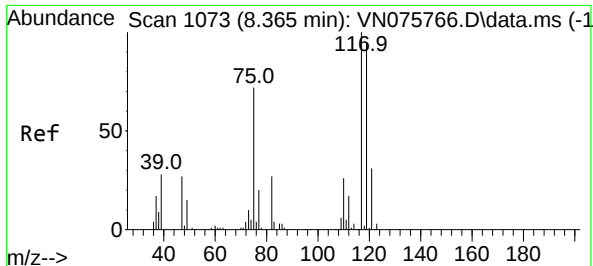
Ion Ratio Lower Upper

75 100

110 10.2 18.8 56.4#

77 0.0 24.1 36.1#

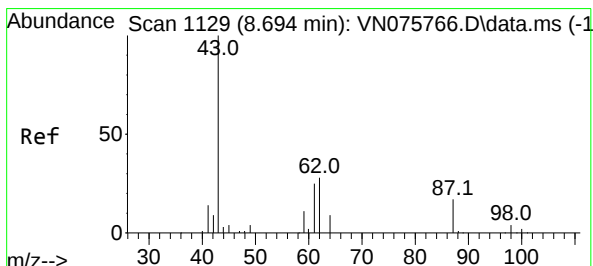
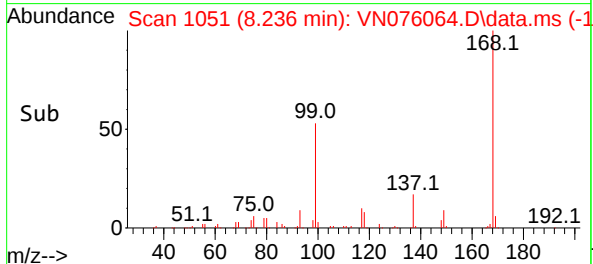
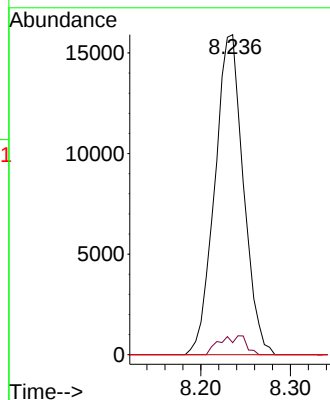
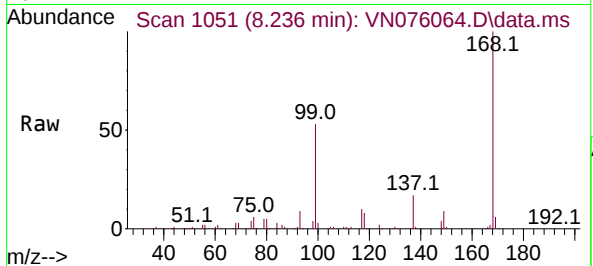




#38
Carbon Tetrachloride
Concen: 7.086 ug/l
RT: 8.236 min Scan# 1104
Delta R.T. -0.129 min
Lab File: VN076064.D
Acq: 03 Jan 2023 15:26

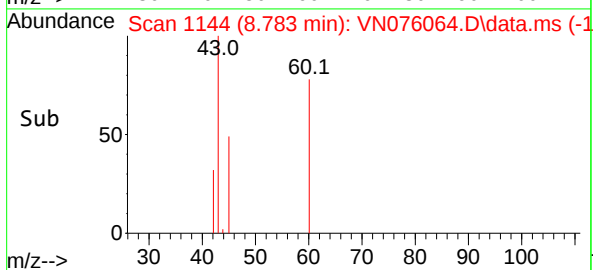
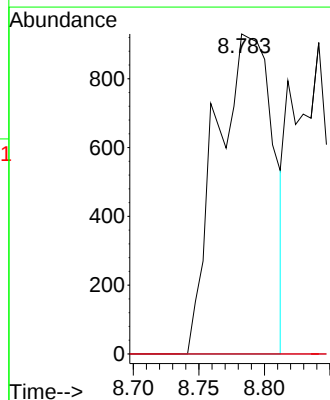
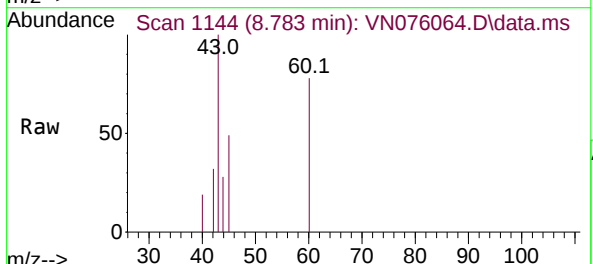
Instrument :
MSVOA_N
ClientSampleId :
TB-1

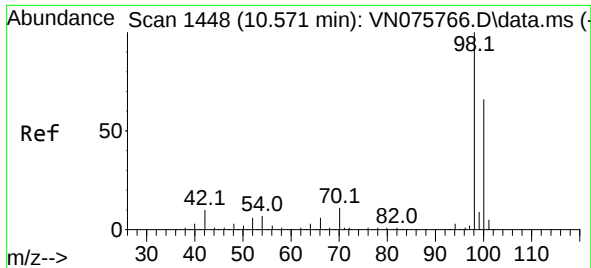
Tgt Ion:117 Resp: 35203
Ion Ratio Lower Upper
117 100
119 3.7 76.1 114.1#
121 0.0 24.5 36.7#



#43
Isopropyl Acetate
Concen: 0.473 ug/l
RT: 8.783 min Scan# 1144
Delta R.T. 0.088 min
Lab File: VN076064.D
Acq: 03 Jan 2023 15:26

Tgt Ion: 43 Resp: 2782
Ion Ratio Lower Upper
43 100
61 0.0 24.2 36.4#
87 0.0 13.3 19.9#

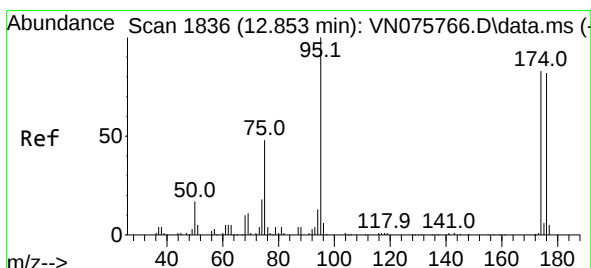
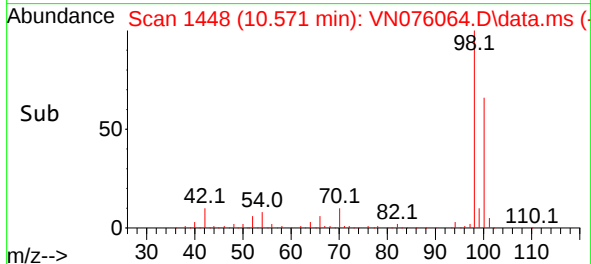
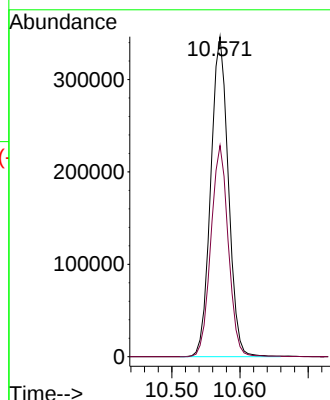
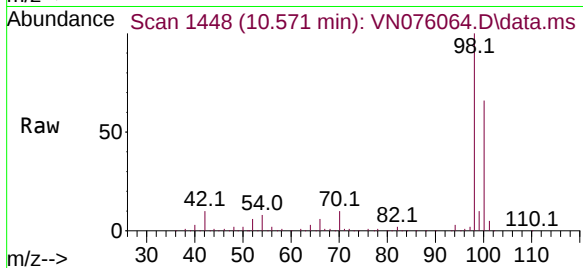




#50
Toluene-d8
Concen: 49.845 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. 0.000 min
Lab File: VN076064.D
Acq: 03 Jan 2023 15:26

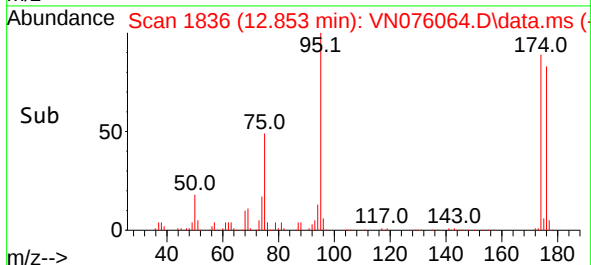
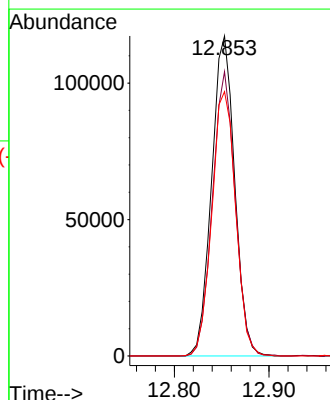
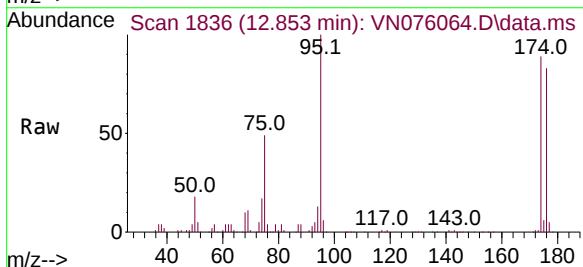
Instrument :
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ClientSampleId :
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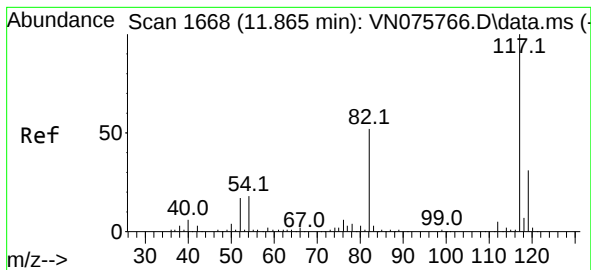
Tgt Ion: 98 Resp: 622697
Ion Ratio Lower Upper
98 100
100 65.3 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 47.894 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.000 min
Lab File: VN076064.D
Acq: 03 Jan 2023 15:26

Tgt Ion: 95 Resp: 198169
Ion Ratio Lower Upper
95 100
174 87.7 0.0 171.6
176 85.4 0.0 169.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.871 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN076064.D

Acq: 03 Jan 2023 15:26

Instrument :

MSVOA_N

ClientSampleId :

TB-1

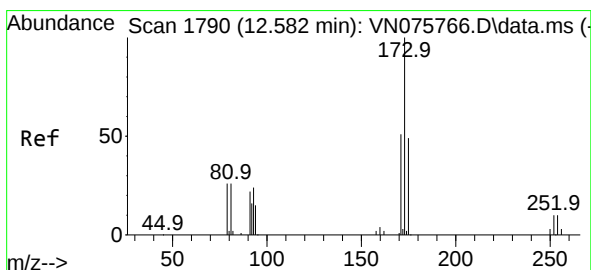
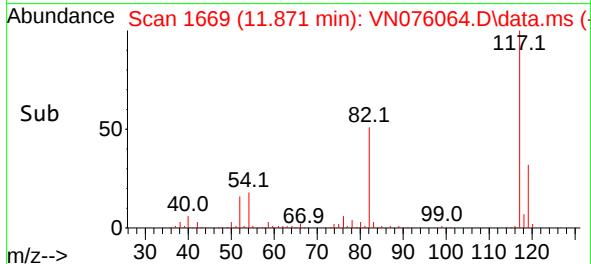
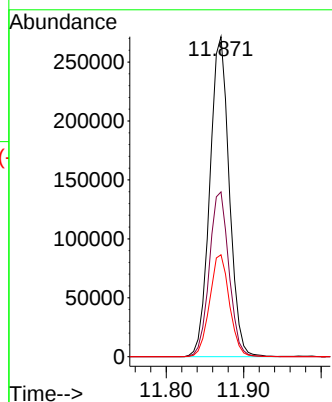
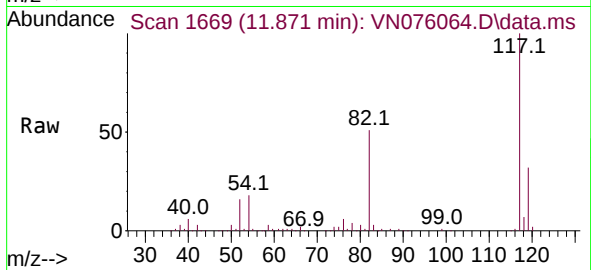
Tgt Ion:117 Resp: 473525

Ion Ratio Lower Upper

117 100

82 51.5 41.3 61.9

119 31.8 24.6 37.0



#71

Bromoform

Concen: 0.615 ug/l

RT: 12.847 min Scan# 1835

Delta R.T. 0.265 min

Lab File: VN076064.D

Acq: 03 Jan 2023 15:26

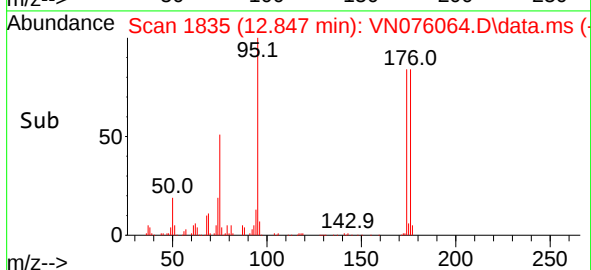
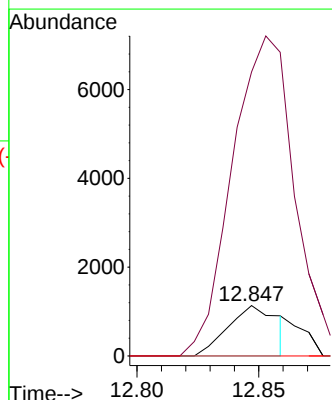
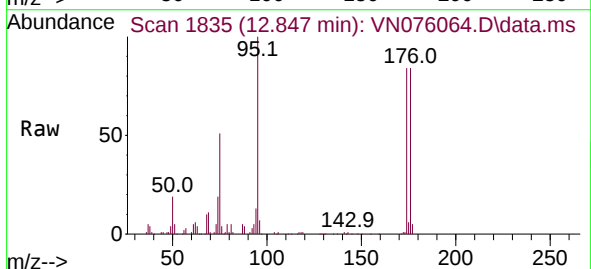
Tgt Ion:173 Resp: 1610

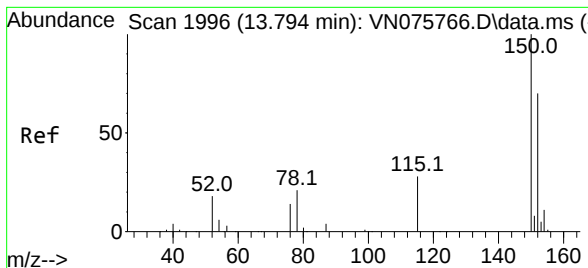
Ion Ratio Lower Upper

173 100

175 652.2 24.3 72.8#

254 0.0 0.0 0.0

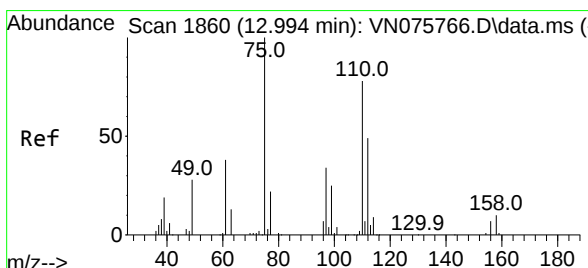
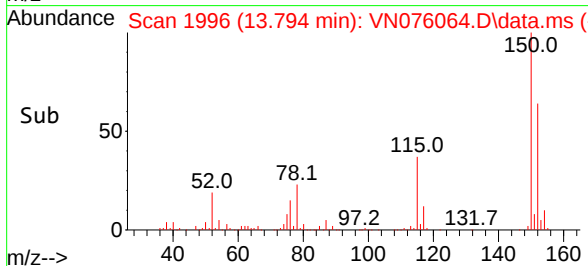
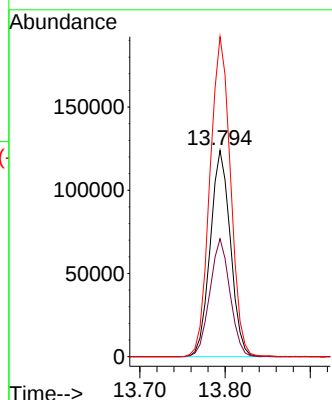
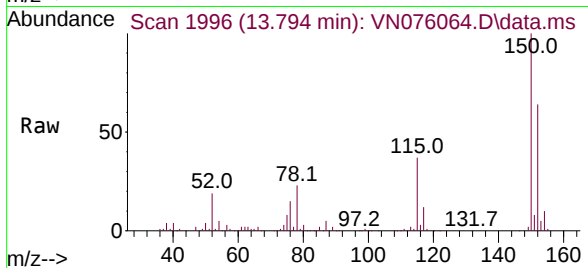




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. 0.000 min
Lab File: VN076064.D
Acq: 03 Jan 2023 15:26

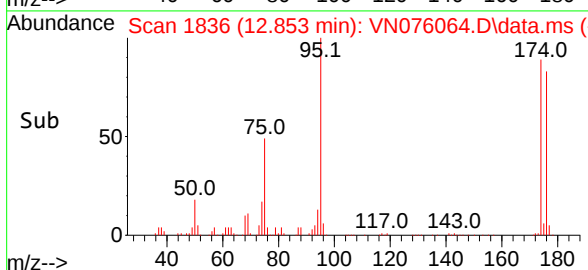
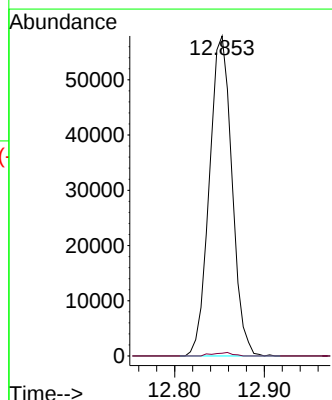
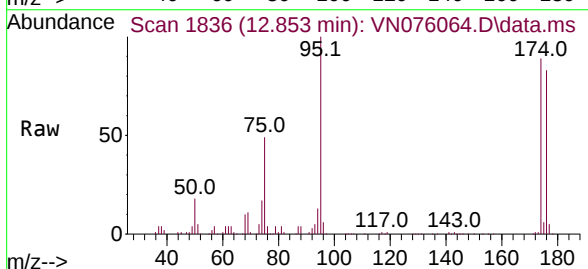
Instrument :
MSVOA_N
ClientSampleId :
TB-1

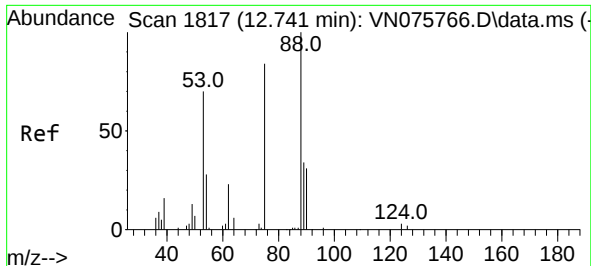
Tgt Ion:152 Resp: 203504
Ion Ratio Lower Upper
152 100
115 57.1 29.1 87.4
150 158.4 0.0 347.0



#76
1,2,3-Trichloropropane
Concen: 24.725 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN076064.D
Acq: 03 Jan 2023 15:26

Tgt Ion: 75 Resp: 101427
Ion Ratio Lower Upper
75 100
77 0.9 82.6 247.8#

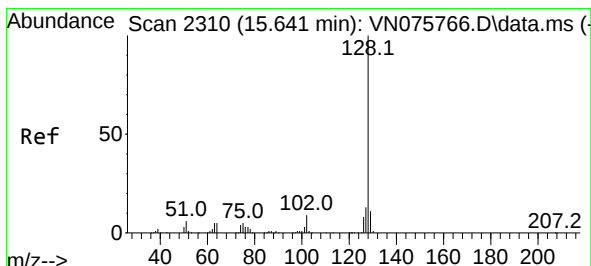
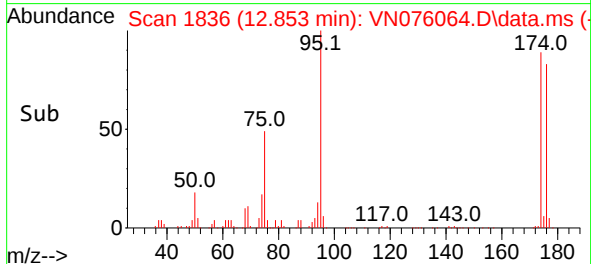
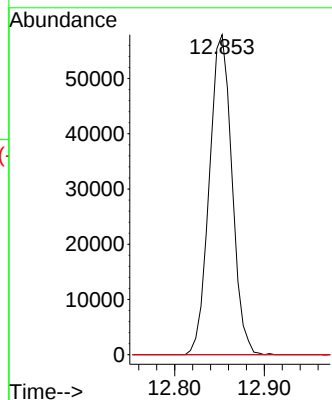
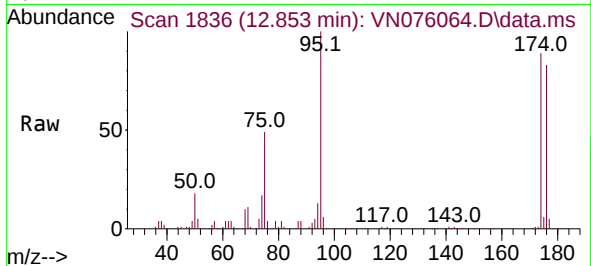




#81
trans-1,4-Dichloro-2-butene
Concen: 88.999 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.112 min
Lab File: VN076064.D
Acq: 03 Jan 2023 15:26

Instrument :
MSVOA_N
ClientSampleId :
TB-1

Tgt Ion: 75 Resp: 101427
Ion Ratio Lower Upper
75 100
53 0.0 73.8 110.6#
89 0.0 39.5 59.3#



#95
Naphthalene
Concen: 2.474 ug/l
RT: 15.647 min Scan# 2311
Delta R.T. 0.006 min
Lab File: VN076064.D
Acq: 03 Jan 2023 15:26

Tgt Ion: 128 Resp: 3430
Ion Ratio Lower Upper
128 100
127 0.0 10.4 15.6#
129 3.4 8.7 13.1#

