

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121622\
 Data File : VN075844.D
 Acq On : 16 Dec 2022 13:50
 Operator : JC\MD
 Sample : N6088-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TB-2022-12-12

Quant Time: Dec 17 08:39:18 2022
 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	8.230	168	387149	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	604601	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	509529	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	205116	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	198869	47.217	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	94.440%
35) Dibromofluoromethane	8.177	113	178929	47.788	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.580%
50) Toluene-d8	10.571	98	688995	49.217	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	98.440%
62) 4-Bromofluorobenzene	12.853	95	208630	44.996	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	90.000%

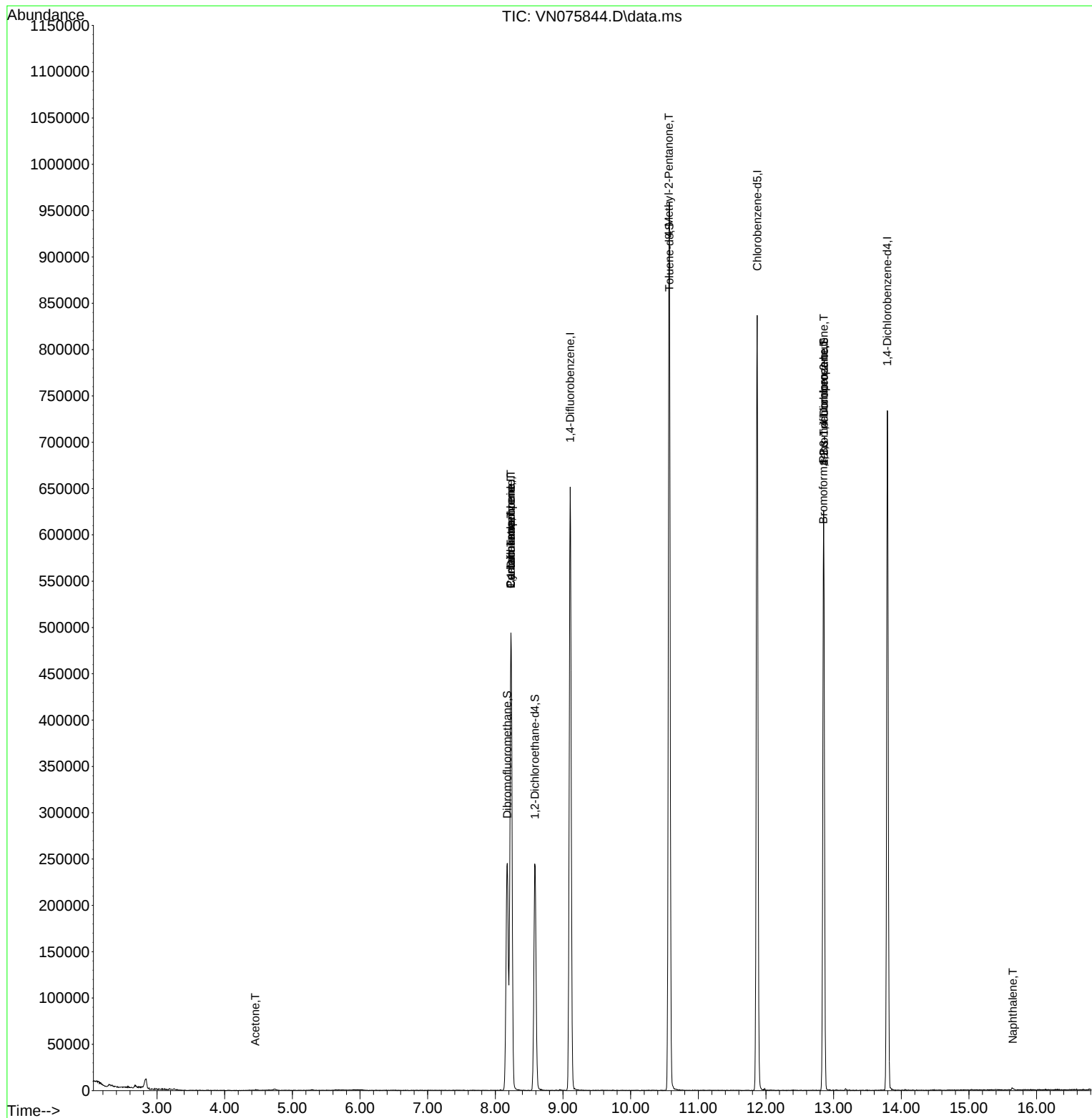
Target Compounds					Qvalue	
16) Acetone	4.453	43	529	0.364	ug/l #	39
20) Methylene Chloride	5.295	84	593	Below Cal	#	78
31) Cyclohexane	8.230	56	7143	1.184	ug/l #	28
36) 1,1-Dichloropropene	8.230	75	27220	5.473	ug/l #	49
38) Carbon Tetrachloride	8.230	117	37382	6.715	ug/l #	17
51) 4-Methyl-2-Pentanone	10.565	43	2252	0.565	ug/l #	1
71) Bromoform	12.847	173	1808	0.641	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	107829	26.079	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	107829	93.873	ug/l #	12
95) Naphthalene	15.647	128	2418	2.385	ug/l #	90

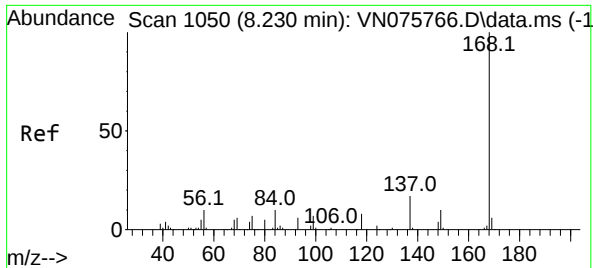
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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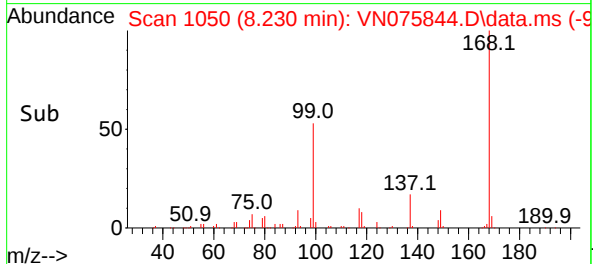
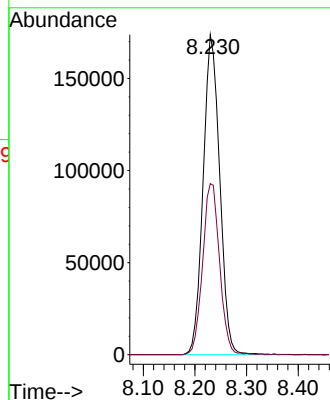
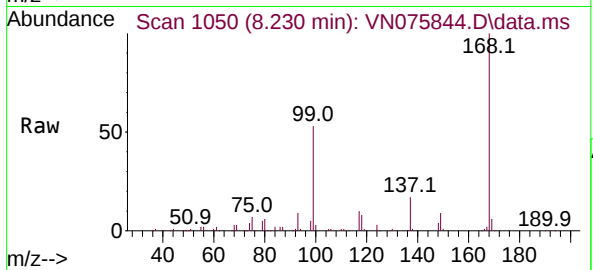




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN075844.D
Acq: 16 Dec 2022 13:50

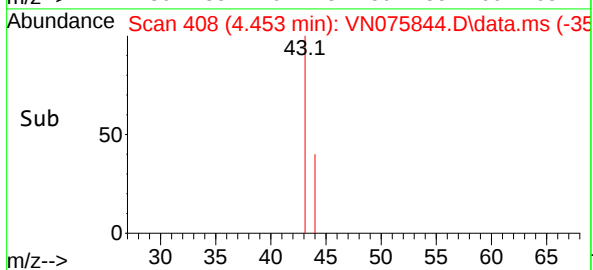
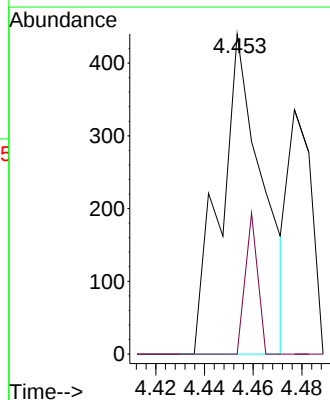
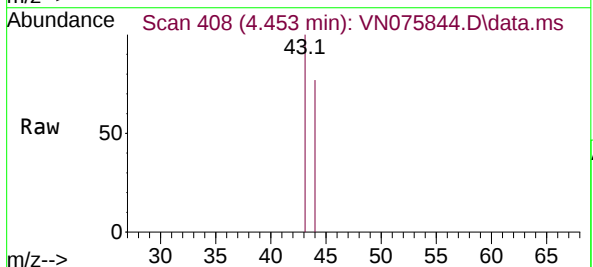
Instrument :
MSVOA_N
ClientSampleId :
TB-2022-12-12

Tgt Ion:168 Resp: 387149
Ion Ratio Lower Upper
168 100
99 53.5 44.2 66.4



#16
Acetone
Concen: 0.364 ug/l
RT: 4.453 min Scan# 408
Delta R.T. 0.012 min
Lab File: VN075844.D
Acq: 16 Dec 2022 13:50

Tgt Ion: 43 Resp: 529
Ion Ratio Lower Upper
43 100
58 0.0 28.6 43.0#

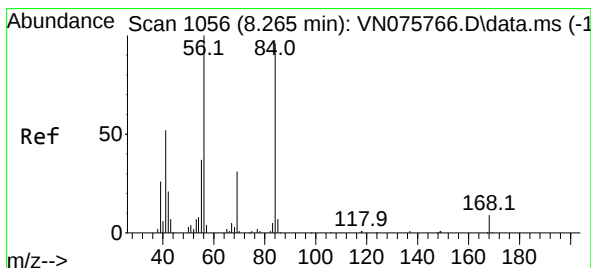
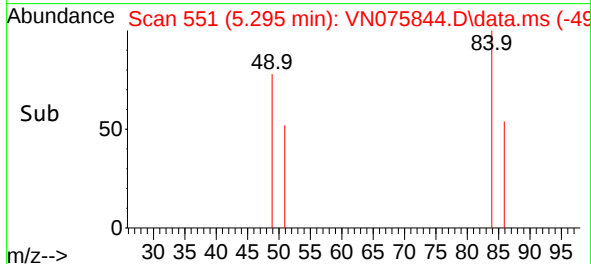
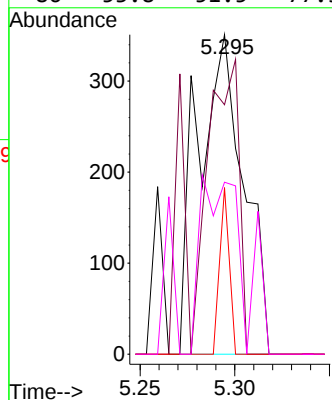
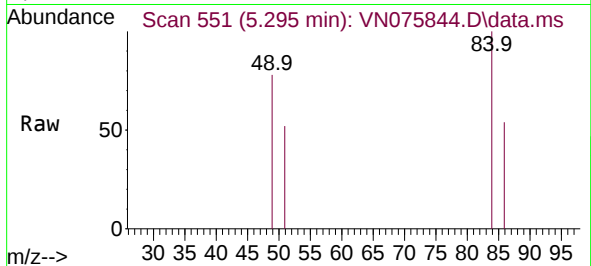




#20
Methylene Chloride
Concen: Below Cal
RT: 5.295 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN075844.D
Acq: 16 Dec 2022 13:50

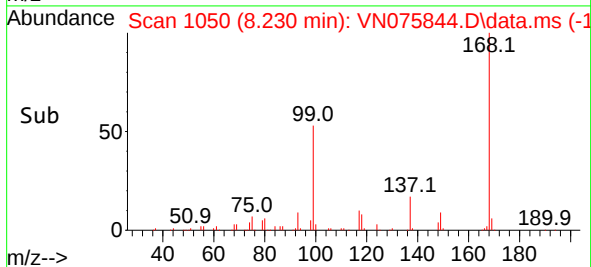
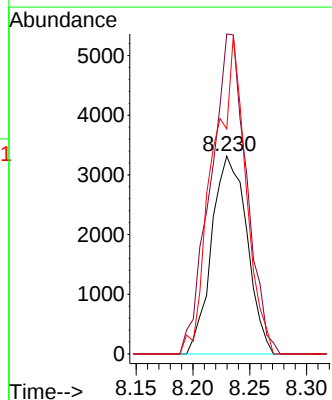
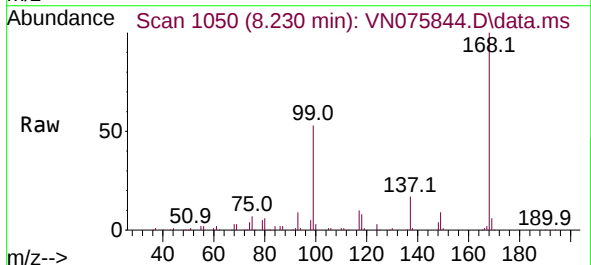
Instrument :
MSVOA_N
ClientSampleId :
TB-2022-12-12

Tgt Ion: 84	Resp: 593
Ion Ratio	Lower Upper
84 100	
49 78.1	81.8 122.6#
51 52.1	26.7 40.1#
86 53.8	51.5 77.3



#31
Cyclohexane
Concen: 1.184 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.035 min
Lab File: VN075844.D
Acq: 16 Dec 2022 13:50

Tgt Ion: 56	Resp: 7143
Ion Ratio	Lower Upper
56 100	
69 161.8	24.7 37.1#
84 113.7	76.5 114.7





#33

1,2-Dichloroethane-d4

Concen: 47.217 ug/l

RT: 8.583 min Scan# 1110

Delta R.T. 0.000 min

Lab File: VN075844.D

Acq: 16 Dec 2022 13:50

Instrument :

MSVOA_N

ClientSampleId :

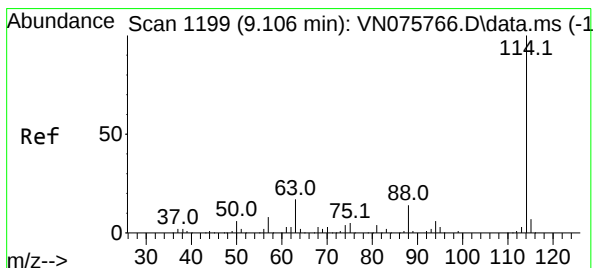
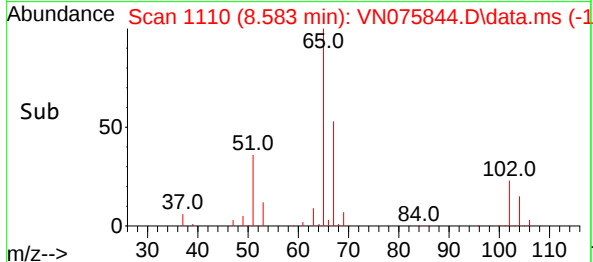
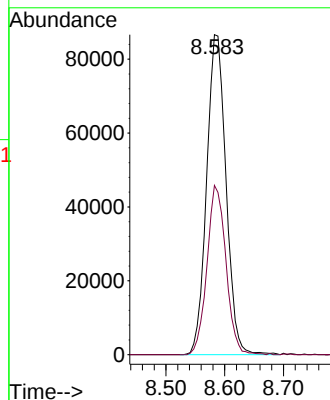
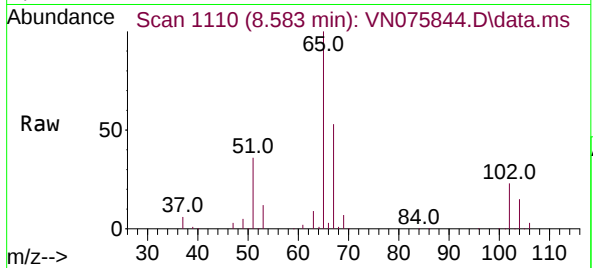
TB-2022-12-12

Tgt Ion: 65 Resp: 198869

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: VN075844.D

Acq: 16 Dec 2022 13:50

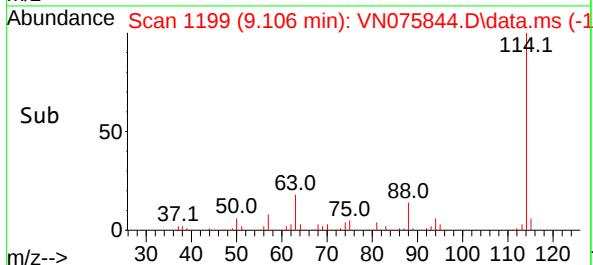
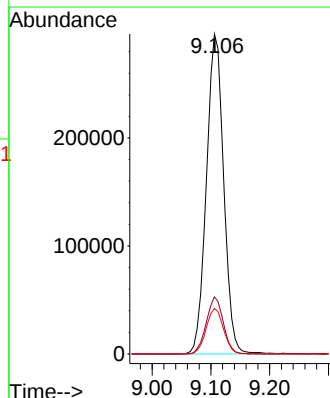
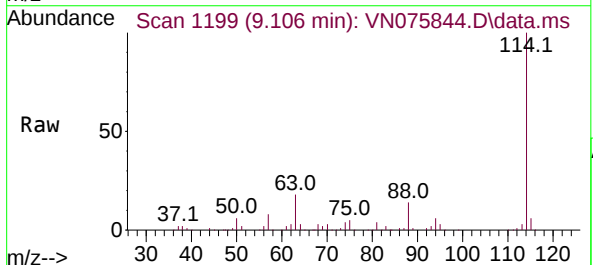
Tgt Ion: 114 Resp: 604601

Ion Ratio Lower Upper

114 100

63 17.8 0.0 34.4

88 14.2 0.0 28.8





#35

Dibromofluoromethane

Concen: 47.788 ug/l

RT: 8.177 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN075844.D

Acq: 16 Dec 2022 13:50

Instrument :

MSVOA_N

ClientSampleId :

TB-2022-12-12

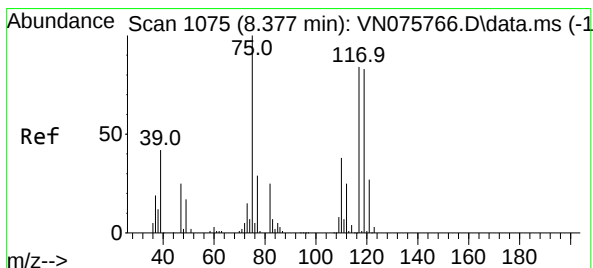
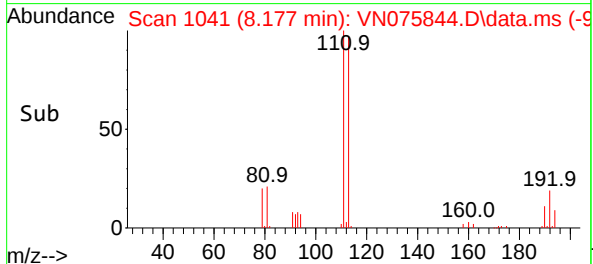
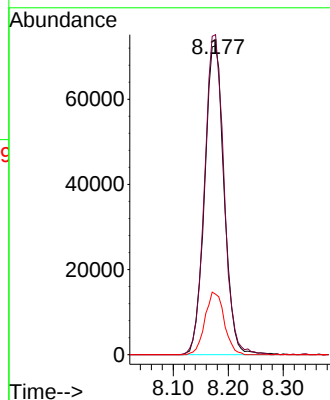
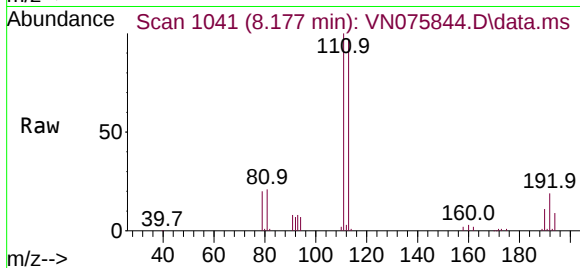
Tgt Ion:113 Resp: 178929

Ion Ratio Lower Upper

113 100

111 102.8 83.4 125.2

192 19.9 16.1 24.1



#36

1,1-Dichloropropene

Concen: 5.473 ug/l

RT: 8.230 min Scan# 1050

Delta R.T. -0.147 min

Lab File: VN075844.D

Acq: 16 Dec 2022 13:50

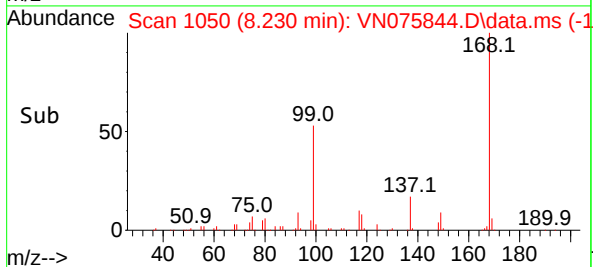
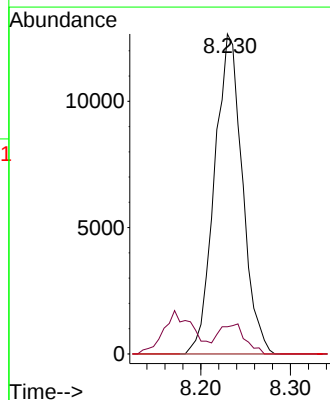
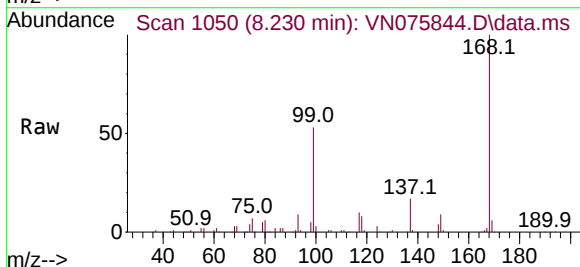
Tgt Ion: 75 Resp: 27220

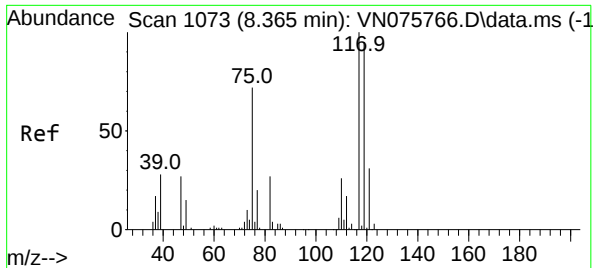
Ion Ratio Lower Upper

75 100

110 8.8 18.8 56.4#

77 0.0 24.1 36.1#

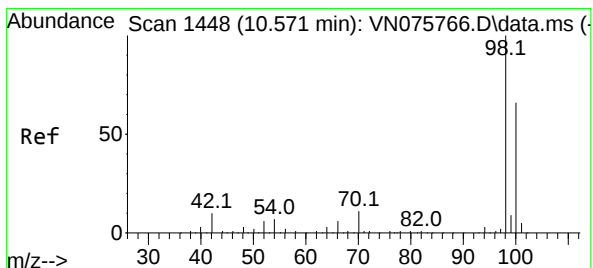
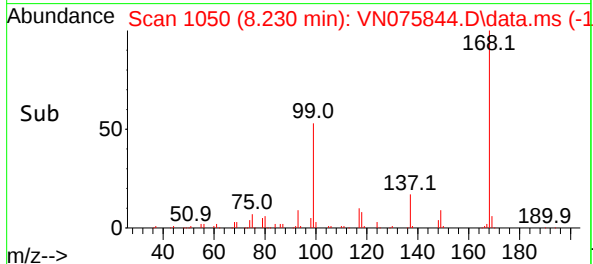
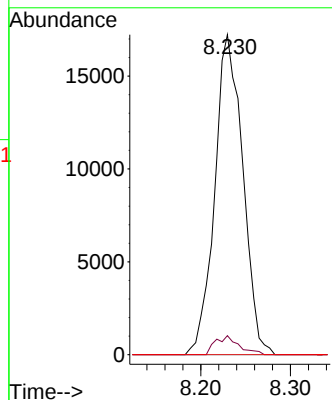
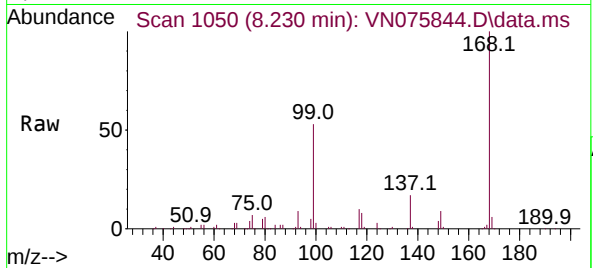




#38
Carbon Tetrachloride
Concen: 6.715 ug/l
RT: 8.230 min Scan# 1073
Delta R.T. -0.135 min
Lab File: VN075844.D
Acq: 16 Dec 2022 13:50

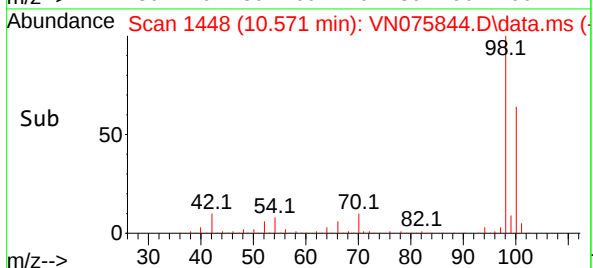
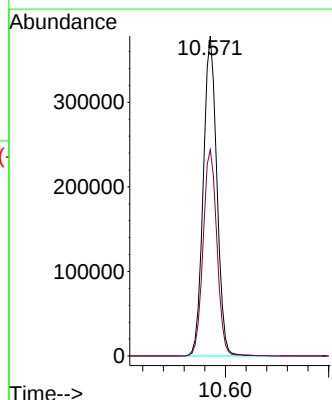
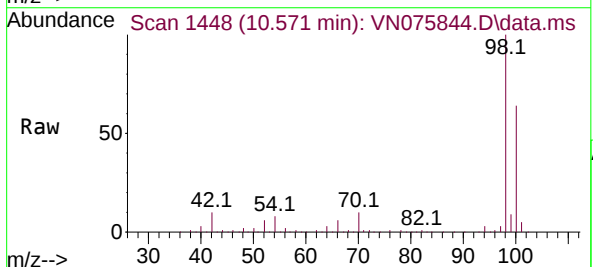
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MSVOA_N
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TB-2022-12-12

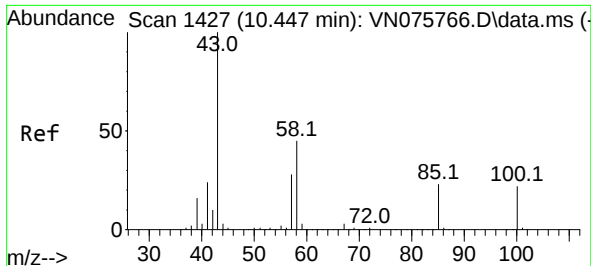
Tgt Ion:117 Resp: 37382
Ion Ratio Lower Upper
117 100
119 5.9 76.1 114.1#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 49.217 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. 0.000 min
Lab File: VN075844.D
Acq: 16 Dec 2022 13:50

Tgt Ion: 98 Resp: 688995
Ion Ratio Lower Upper
98 100
100 65.5 52.1 78.1





#51

4-Methyl-2-Pentanone

Concen: 0.565 ug/l

RT: 10.565 min Scan# 1427

Delta R.T. 0.118 min

Lab File: VN075844.D

Acq: 16 Dec 2022 13:50

Instrument :

MSVOA_N

ClientSampleId :

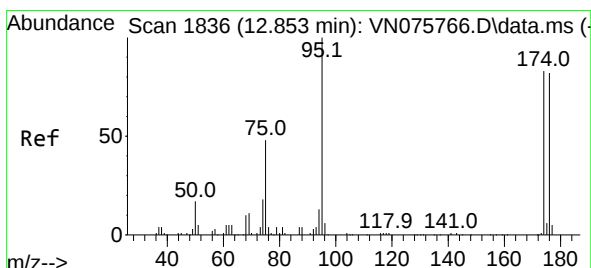
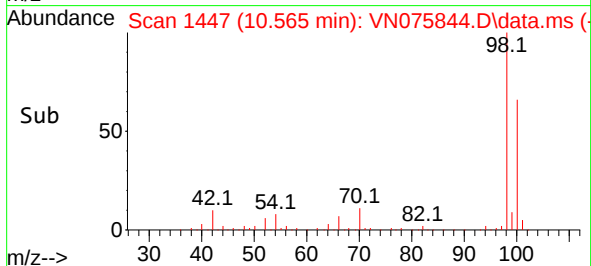
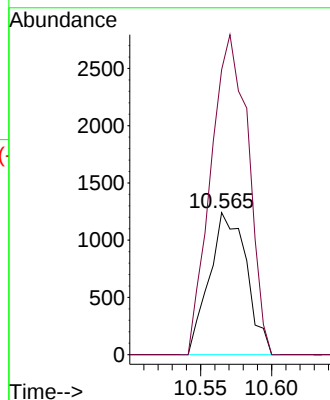
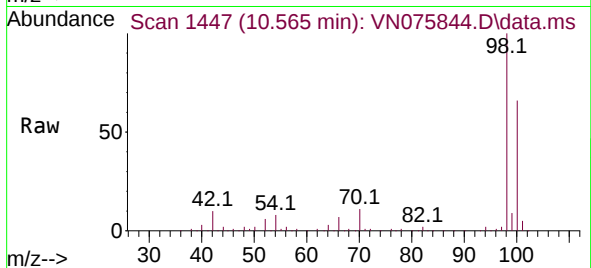
TB-2022-12-12

Tgt Ion: 43 Resp: 2252

Ion Ratio Lower Upper

43 100

58 227.4 35.5 53.3#



#62

4-Bromofluorobenzene

Concen: 44.996 ug/l

RT: 12.853 min Scan# 1836

Delta R.T. 0.000 min

Lab File: VN075844.D

Acq: 16 Dec 2022 13:50

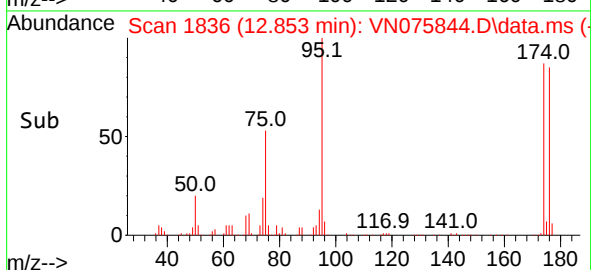
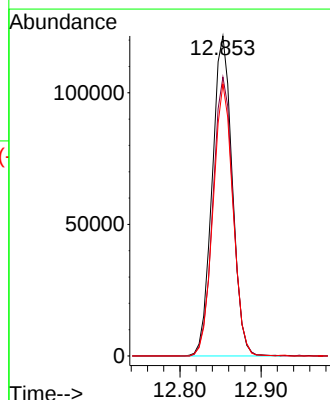
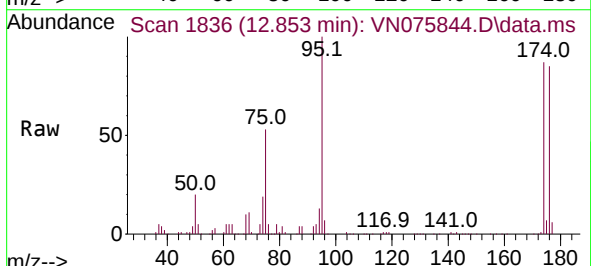
Tgt Ion: 95 Resp: 208630

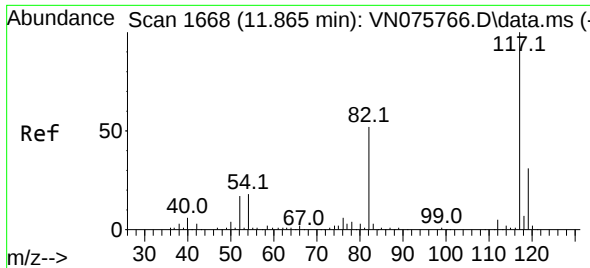
Ion Ratio Lower Upper

95 100

174 87.4 0.0 171.6

176 84.1 0.0 169.2

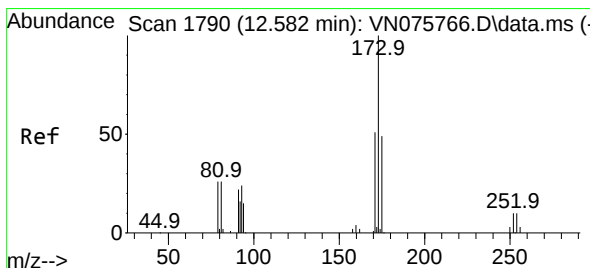
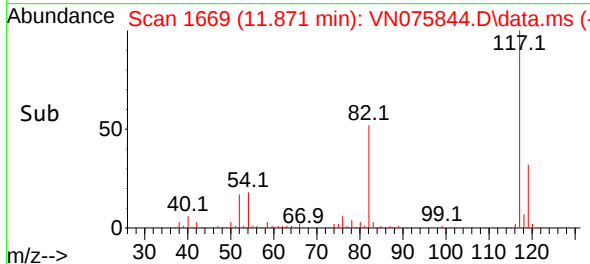
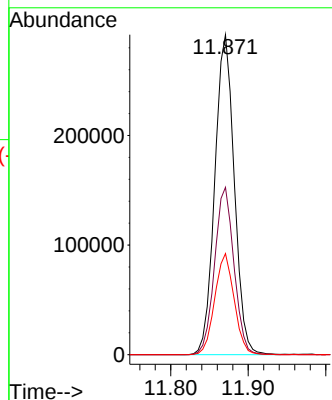
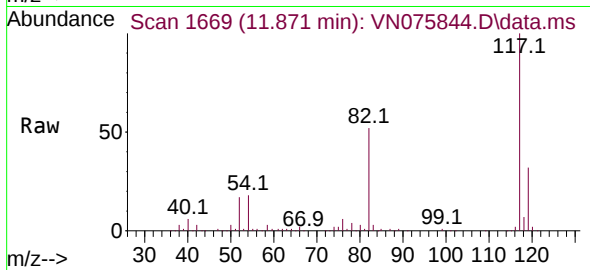




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 117
Delta R.T. 0.006 min
Lab File: VN075844.D
Acq: 16 Dec 2022 13:50

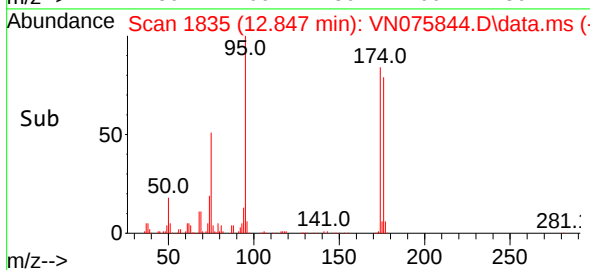
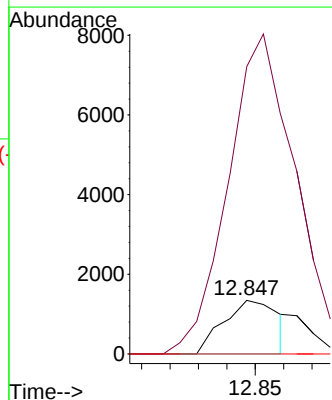
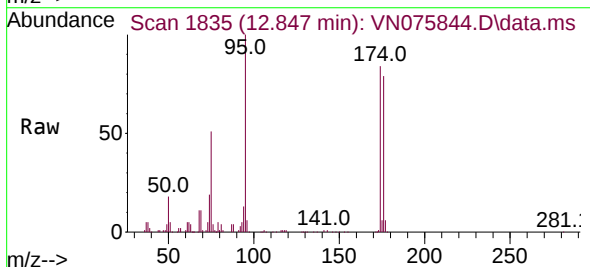
Instrument :
MSVOA_N
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TB-2022-12-12

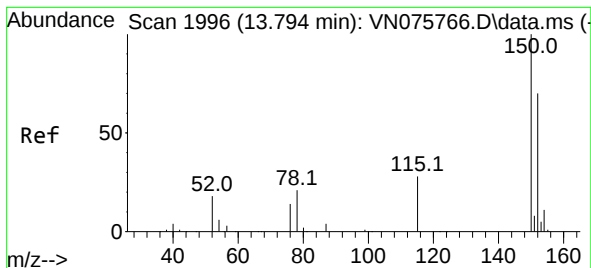
Tgt Ion:117 Resp: 509529
Ion Ratio Lower Upper
117 100
82 52.3 41.3 61.9
119 31.6 24.6 37.0



#71
Bromoform
Concen: 0.641 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.265 min
Lab File: VN075844.D
Acq: 16 Dec 2022 13:50

Tgt Ion:173 Resp: 1808
Ion Ratio Lower Upper
173 100
175 571.5 24.3 72.8#
254 0.0 0.0 0.0

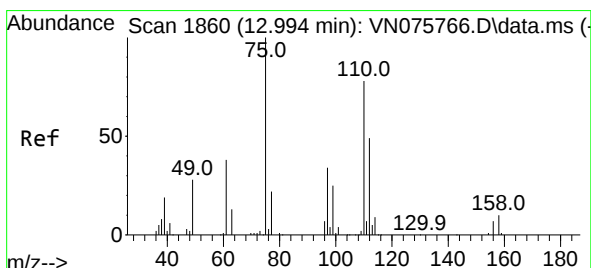
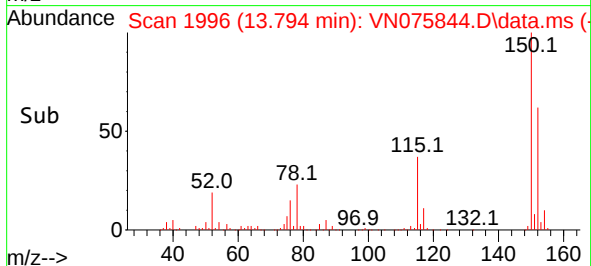
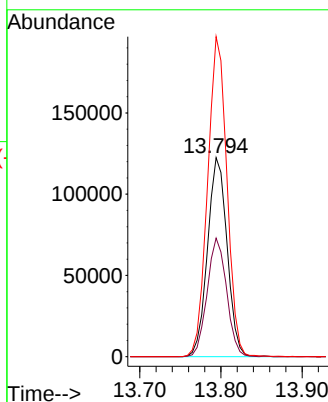
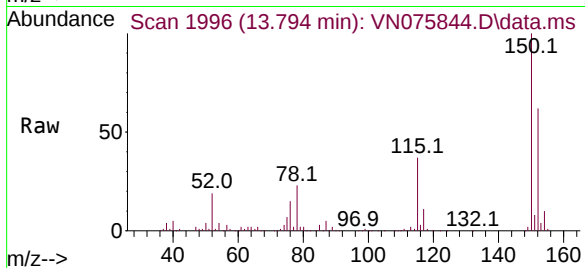




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 1996
 Delta R.T. 0.000 min
 Lab File: VN075844.D
 Acq: 16 Dec 2022 13:50

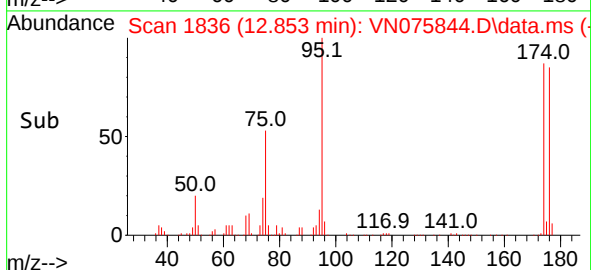
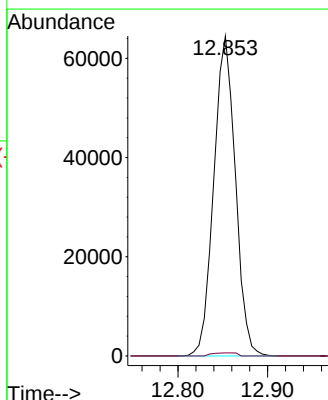
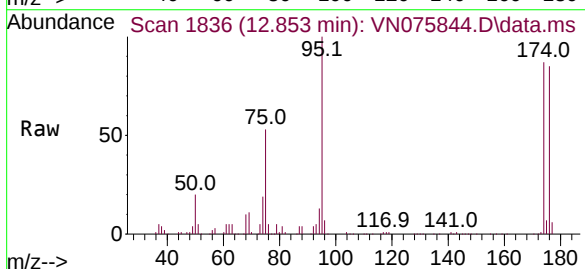
Instrument :
 MSVOA_N
 ClientSampleId :
 TB-2022-12-12

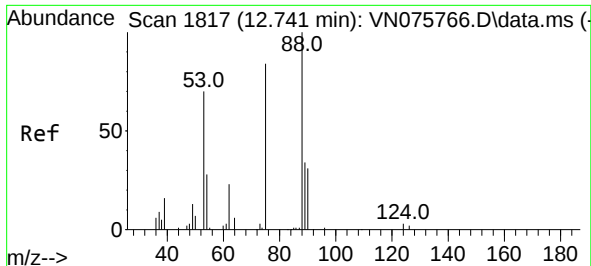
Tgt Ion:152 Resp: 205116
 Ion Ratio Lower Upper
 152 100
 115 59.0 29.1 87.4
 150 158.6 0.0 347.0



#76
 1,2,3-Trichloropropane
 Concen: 26.079 ug/l
 RT: 12.853 min Scan# 1836
 Delta R.T. -0.141 min
 Lab File: VN075844.D
 Acq: 16 Dec 2022 13:50

Tgt Ion: 75 Resp: 107829
 Ion Ratio Lower Upper
 75 100
 77 1.1 82.6 247.8#

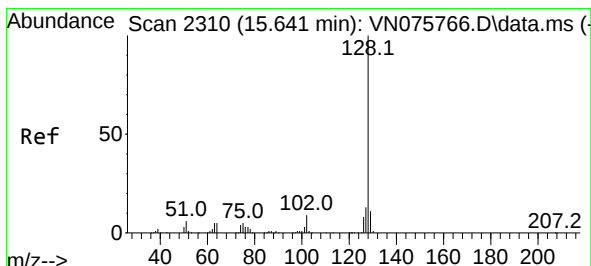
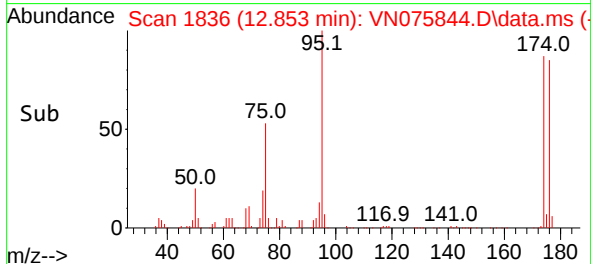
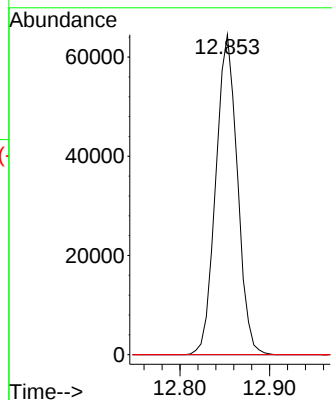
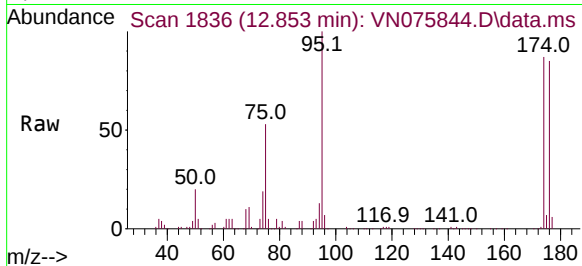




#81
trans-1,4-Dichloro-2-butene
Concen: 93.873 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.112 min
Lab File: VN075844.D
Acq: 16 Dec 2022 13:50

Instrument :
MSVOA_N
ClientSampleId :
TB-2022-12-12

Tgt Ion: 75 Resp: 107829
Ion Ratio Lower Upper
75 100
53 0.0 73.8 110.6#
89 0.0 39.5 59.3#



#95
Naphthalene
Concen: 2.385 ug/l
RT: 15.647 min Scan# 2311
Delta R.T. 0.006 min
Lab File: VN075844.D
Acq: 16 Dec 2022 13:50

Tgt Ion:128 Resp: 2418
Ion Ratio Lower Upper
128 100
127 8.4 10.4 15.6#
129 13.6 8.7 13.1#

